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भारत सरकार

GOVERNMENT OF INDIA

मौसम विज्ञान विभाग

METEOROLOGICAL DEPARTMENT

भारतीय मौसम पुनरीक्षण

INDIA WEATHER REVIEW

1969

मासिक मौसम रिपोर्ट

MONTHLY WEATHER REPORT

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JANUARY

भारत सरकार के प्राधिकार द्वारा वेधशालाओं के महानिदेशक के निदेशाधीन प्रकाशित
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INDIA WEATHER REVIEW, 1969

Monthly Weather Report

JANUARY

MONTHLY WEATHER REPORT

FOR

JANUARY - 1969

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MEANINGS OF SYMBOLS AND ABBREVIATIONS IN TABLES II & III

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

INDIA WEATHER REVIEW, 1969

Monthly Weather Report

JANUARY

Published by authority of Government of India

Chief features :

1. Passage of five western disturbances across northwest India causing fairly widespread light to moderate precipitation over Western Himalayas.

2. Movement of an induced low pressure area from north Madhya Pradesh to Assam in the middle of the month causing fairly widespread but light precipitation over the plains of north India.

3. Moderate cold wave conditions over most parts of Madhya Pradesh and Bihar State in the first half of the third week; and

4. Fairly widespread rain over Bay Islands in the second week caused by the activation of the seasonal trough.

The western disturbance which was lying over the extreme northwest India at the end of the previous month persisted over Jammu and Kashmir as an upper air cyclonic circulation extending to about 6.0 kms a.s.l. and moved away across Western Himalayas by the morning of 4th. Under its influence, isolated light rain or snow fell over the Western Himalayas upto 3rd.

The second western disturbance which appeared over Afghanistan and adjoining West Pakistan on 7th moved away across Western Himalayas by 11th. Under its influence, light rain or snow occurred at a few places over Jammu and Kashmir and at many places over the hills of west Uttar Pradesh during this period.

The third western disturbance which was lying over Baluchistan on 11th moved into Punjab and Haryana on 13th and moved away across Western Himalayas on 14th. It caused heavy snowfall over the western Himalayas and fairly widespread light rain in Punjab and the plains of Uttar Pradesh. The significant amounts of rainfall were : Quazigund 12 cms, Banihal and Jammu 5 cm each, Gulmarg, Nainital and Mukteswar 3 cm each on 13th. According to press reports, the heavy snowfall in Srinagar and Doon valleys led to disruption of road traffic and telecommunications.

This western disturbance induced a low pressure area over north Madhya Pradesh and adjoining Uttar Pradesh on 13th which moved eastwards across West Bengal and Assam by 15th. This induced low pressure area caused well distributed light rain over east Madhya Pradesh, the Plains of Uttar Pradesh, in Bihar State, West Bengal and Assam during this period. Calcutta (Alipore) recorded 3 cm of rain and Krishnanagar and Ambikapur 2 cm each on 14th.

The fourth western disturbance was a very feeble one, which moved across the Western Himalayas as an upper air trough on 23rd causing very light isolated precipitation in that area.

The fifth one was an intense system lying as a depression over the northern divisions of West Pakistan and adjoining northwest India on 26th. It moved into Punjab on 27th, weakened by that evening and moved rapidly eastwards across Nepal to Assam by 29th and later moved away eastwards, causing scattered duststorms over Rajasthan on 26th, fairly widespread moderate precipitation over the Western Himalayas and light rain or thundershowers at a few places in Haryana and the plains of west Uttar Pradesh on 27th and 28th and at a number of places in Assam on 29th. The noteworthy amounts of rainfall were : Gulmarg 4 cm on 26th, Quazigund 9 cm, Banihal 7 cm, Gulmarg 4 cm and Nillam 3 cm on 27th and Mohanbari 3 cm and Majbat, Pasighat and Digboi 2 cm each on 29th.

Associated with a wind discontinuity running north-south across the Peninsula and central parts of the country, isolated light rain or thundershowers occurred over east Uttar Pradesh, Madhya Pradesh, Vidarbha and Telangana on the first two days of the month. A trough in the lower tropospheric easterlies lay over Gujarat and east central Arabian Sea between 5th and 8th. During this period an anticyclone in the lower tropospheric levels lying over east Madhya Pradesh and neighbourhood caused incursionof moisture into the central parts of the country from the Bay. These features coupled with the passage of a western disturbance across northwest India at about this time, caused isolated light rain on 5th and 6th and fairly widespread light rainfall on 7th and 8th over west Madhya Pradesh. Vidarbha experienced isolated light showers on 5th and Rajasthan and east Madhya Pradesh on 7th and 8th. Khandwa recorded 2 cm of rain on 5th, Tonk and Shivpuri 2 cm each on 7th and Tikamgarh 3 cm on 8th.

There was scattered light to moderate rain over Kerala and Arabian Sea Islands on 1st and 2nd in association with a trough in the lower tropospheric easterlies that moved across Laccadives on the 1st. Agathi recorded 7 cm of rain and Alleppeh 4 cm on 1st and Amini, Androth and Punalur 2 cm each on 2nd.

A well marked trough in the upper tropospheric westerlies appeared over the Peninsula on 5th evening. It moved eastwards across the Bay of Bengal and Andaman Sea by 9th. During this period, a low Pressure area also moved westwards from Andaman Sea to the extreme southwest Bay. Under the influence of these, the seasonal trough over the south Bay became well marked particularly between 8th and 10th. There was isolated light rain over the Bay Islands from 3rd to 7th and fairly widespread moderate to heavy rain between 8th and 11th. The noteworthy amounts of rainfall were : Hut Bay 4 cm on 5th, Nancowry 6 cm, Hut Bay 4 cm and Car Nicobar 3 cm on 8th, Kondul 4 cm, Long Island 3 cm on 9th; Car Nicobar 8 cm, Nancowry 4 cm on 10th; Hut Bay 3 cm on 11th. The Bay Islands also experienced scattered light rain between 18th and 21st and again between 29th and 31st. Kondul recorded 4 cm of rain on 18th; Long Island 2 cm on 20th, Port Blair 3 cm, Long Island 2 cm on 29th, Hut Bay 2 cm on 30th and Kondul 2 cm on 31st.

In the wake of the third western disturbance and the induced low pressure area which moved across north India towards the end of the second week, a moderate cold wave affected most parts of Madhya Pradesh, Bihar State and adjoining Orissa between 15th and 17th. According to press reports a few persons died due to the cold wave in Bihar State.

Apart from the cold wave, the night temperatures were generally below normal over (1) Gujarat State between 2nd and 4th and 15th to 18th, (2) Northwest India between 4th and 6th and 14th to 18th, (3) Uttar Pradesh from 4th and 6th and 14th to 22nd, being appreciably so on most of these days, (4) central India from 14th to 18th and 21st to 31st, (5) Northeast India on 12th and 13th and from 15th to 26th being appreciably so over most parts and markedly so over Bihar between 22nd and 24th, (6) most parts of the Peninsula from 19th to 21st and 24th to 31st, being appreciably so on 27th and 28th. They were above normal over (1) Gujarat State from 6ty to 13th and on 26th and 27th, (2) northwest India on 12th and 13th and 26th and 27th, being appreciably so in most parts and markedly so in west Rajasthan, (3) Uttar Pradesh on 26th and 27th and (4) northeast India on 28th and 29th.

The total rainfall was in moderate excess in the Bay Islands, South Assam, normal in North Assam and Telangana; in moderate defect in Sub-Himalayan West Bengal, Bihar Plateau, Himachal Pradesh, Jammu and Kashmir, East Rajasthan and Madhya Pradesh, Kerala and in large defect over the rest of the country. There was no rain in Gujarat, Saurashtra-Kutch, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh, Rayalaseema, Coastal and interior Mysore and Konkan.

The mean maximum temperature was above normal in Jammu and Kashmir and west Rajasthan, below normal in South Assam. It was normal over the rest of the country.

The mean minimum temperature was below normal in Bay Islands, Gangetic West Bengal, Orissa, Bihar, Uttar Pradesh and Jammu and Kashmir and normal over the rest of the country.

The mean Relative Humidity in the morning was below normal in Gangetic West Bengal, Orissa, Bihar, East Uttar Pradesh, Haryana, Punjab, Himachal Pradesh, Jammu and Kashmir, Rajasthan, East Madhya Pradesh, Rayalaseema and Coastal Mysore and normal over the rest of the country.

The mean Relative Humidity in the evening was below normal in Bihar Plateau, East Uttar Pradesh, Haryana, Punjab, East Rajasthan and Marathwada and normal over the rest of the country.

The mean cloud amount in the morning was above normal in south Assam, Saurashtra-Kutch, Coastal Mysore and North Interior Mysore; normal in Bay Islands, Sub-Himalayan West Bengal, Punjab, Jammu and Kashmir, East Rajasthan, Konkan, Madhya Maharashtra, Marathwada, Vidarbha, Rayalaseema, Tamil Nadu, South Interior Mysore, Kerala and Arabian Sea Islands and below normal over the rest of the country.

The mean cloud amount in the evening was above normal in Coastal Mysore and Kerala; below normal in Gangetic West Bengal, Orissa, Bihar Plateau, Uttar Pradesh, Haryana, Himachal Pradesh, Rajasthan, west Madhya Pradesh, Gujarat, Madhya Maharashtra, Coastal Andhra Pradesh and Telangana, and normal over the rest of the country.

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

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

Pune-5;

1st April 1969.

Y.P. Rao,

for Director General of Observatories

SG/

TABLE I - DIVISIONAL AND SUB-DIVISIONAL MEANS -

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1.ASSAM(INCLUDING.	25.4	113	23.5	9.6	80	67	2.1	2.3
NEFA,N.L.ETC) .	+ 2.9		-0.3	-0.6	- 1	- 3	-0.5	-0.1
2.WEST BENGAL .	6.3	46	25.5	10.8	66	52	0.9	1.2
.	- 7.4		0.0	-1.4	- 6	- 5	-0.8	-0.5
3.ORISSA .	0.1	1	28.2	12.7	64	48	1.2	1.5
.	- 12.0		+0.6	-1.7	- 7	- 4	-0.5	-0.4
4.BIHAR .	8.1	42	24.3	8.4	67	50	1.0	1.6
.	- 11.4		0.0	-2.1	- 7	- 5	-0.9	-0.4
5.UTTAR PRADESH .	8.0	28	22.6	6.9	73	50	1.6	1.6
.	- 20.4		+0.5	-1.2	- 7	- 6	-0.7	-0.6
6.HARYANA(INCLU. .	6.4	19	20.8	6.4	69	40	2.0	1.8
DELHI CHANDIGARH).	- 27.3		0.0	-0.4	- 9	- 9	-0.6	-0.7
7.PUNJAB .	15.3	38	20.4	4.7	78	49	2.5	2.8
.	- 24.9		+0.8	-0.6	- 6	- 8	-0.4	-0.2
8.HIMACHAL .	41.0	52	19.5	3.8	88	57	4.5	3.2
PRADESH .	- 38.6		+1.0	+0.1	- 8	- 3	-2.1	-1.1
9.JAMMU AND .	29.6	73	2.5	-9.9	68	63	6.5	6.1
KASHMIR .	- 11.1		+1.7	-2.4	- 7	- 2	+0.3	+0.8
SUB-DIVISION								
1.BAY ISLANDS .	113.1	137	29.9	22.2	78	78	4.6	5.1
.	+ 30.7		+0.4	-1.4	+ 1	- 1	+0.3	+0.4
2.NORTH ASSAM .	25.9	103	23.6	9.4	82	71	2.0	2.6
(INCLUDING NEFA) .	+ 0.8		0.0	-1.0	0	- 2	-0.9	-0.1
3.SOUTH ASSAM .	24.1	148	23.1	10.0	76	59	2.3	1.8
(INCL.N.LAND ETC).	+ 7.8		-1.2	+0.1	- 2	- 5	+0.4	-0.1
4.SUB-HIMALAYAN .	6.7	60	24.4	9.2	78	60	1.7	1.9
WEST BENGAL .	- 4.4		+0.5	-0.9	- 1	- 5	-0.2	-0.1
5.GANGETIC WEST- .	6.2	42	25.9	11.3	61	49	0.7	0.9
BENGAL .	- 8.4		-0.2	-1.7	- 9	- 5	-0.9	-0.7
6.ORISSA .	0.1	1	28.2	12.7	64	48	1.2	1.5
.	- 12.0		+0.6	-1.7	- 7	- 4	-0.5	-0.4
7.BIHAR PLATEAU .	12.8	68	25.4	9.2	60	39	0.7	1.6
.	- 6.1		+0.4	-1.9	- 8	-10	-1.2	-0.5
8.BIHAR PLAINS .	5.2	26	23.4	7.8	73	57	1.2	1.6
.	- 14.6		-0.4	-2.2	- 6	- 2	-0.8	-0.3
9.UTTAR PRADESH .	2.5	11	23.4	7.5	72	50	1.3	1.5
(EAST) .	- 21.1		+0.4	-1.4	- 9	- 7	-0.9	-0.5
10.UTTAR PRADESH .	16.4	46	21.2	6.0	75	51	1.9	2.0
(WEST) .	- 19.3		+0.6	-1.1	- 2	- 2	-0.6	-0.5
11.HARYANA(INCLU. .	6.4	19	20.8	6.4	69	40	2.0	1.8
DELHI CHANDIGARH).	- 27.3		0.0	-0.4	- 9	- 9	-0.6	-0.7
12.PUNJAB .	15.3	38	20.4	4.7	78	49	2.5	2.8
.	- 24.9		+0.8	-0.6	- 6	- 8	-0.4	-0.2
13.HIMACHAL .	41.0	52	19.5	3.8	88	57	4.5	3.2
PRADESH .	- 38.6		+1.0	+0.1	- 8	- 3	-2.1	-1.1
14.JAMMU AND KASH- .	29.6	73	2.5	-9.9	68	63	6.5	6.1
-MIR .	- 11.1		+1.7	-2.4	- 7	- 2	+0.3	+0.8
15.RAJASTHAN(WEST).	0.9	16	24.7	6.9	54	33	1.6	1.5
.	- 4.9		+1.6	-0.3	-10	- 4	-0.4	-0.5
16.RAJASTHAN(EAST).	5.6	64	24.2	7.0	58	30	1.6	1.2
.	- 3.1		+0.9	-0.3	-12	-12	-0.3	-0.8
17.MADHYA PRADESH .	9.9	74	26.7	9.3	60	34	1.5	1.6
(WEST) .	- 3.4		+1.0	-0.7	- 4	- 1	-0.6	-0.6

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
10.RAJASTHAN .	3.4	47	24.4	6.9	56	31	1.6	1.3
.	- 3.9		+1.2	-0.4	-11	- 8	-0.3	-0.7
11.MADHYA PRADESH .	12.4	73	26.7	9.7	62	36	1.4	1.8
.	- 4.6		+0.8	-0.6	- 5	- 3	-0.6	-0.4
12.GUJARAT STATE .	0.0	0	28.6	12.2	53	33	1.4	1.0
(INCLU.DIU ETC).	- 1.6		+0.8	-0.1	- 4	- 3	+0.1	-0.3
13.MAHARASHTRA .	0.7	13	30.2	15.1	59	39	1.4	1.6
STATE(INCL.GOA).	- 4.9		+0.5	-0.3	- 2	- 1	-0.2	-0.1
14.ANDHRA PRADESH .	1.3	21	30.1	17.0	72	47	1.8	1.7
.	- 5.0		+0.6	-0.5	- 3	- 2	-0.4	-0.6
28.TAMILNADU .	2.1	6	29.7	19.7	77	58	3.9	4.0
(INCL.PONDICH.).	- 35.7		+0.4	-1.0	- 2	- 3	0.0	+0.3
16.MYSORE .	0.0	0	30.0	16.7	64	38	2.7	2.5
.	- 3.6		+0.3	-0.4	- 4	- 2	+0.5	+0.1
17.KERALA .	10.1	59	32.3	21.9	71	59	3.5	4.1
.	- 7.1		+0.4	-0.2	- 2	+ 1	+0.5	+0.9
SUB-DIVISION								
18.MADHYA PRADESH .	15.8	72	26.6	10.3	64	40	1.3	1.9
(EAST) .	- 6.1		+0.5	-0.3	- 7	- 3	-0.7	-0.2
19.GUJARAT REGION .	0.0	0	29.5	12.0	54	30	1.0	0.8
(INCL.DAMAN ETC).	- 2.2		+0.8	-0.2	- 5	- 4	-0.3	-0.5
20.SAURASHTRAKUTCH.	0.0	0	28.0	12.3	52	36	1.6	1.3
(INCLUDING DIU) .	- 1.3		+0.7	-0.1	- 4	- 1	+0.3	0.0
21.KONKAN .	0.0	0	30.2	18.7	67	61	1.4	1.5
(INCLUDING GOA).	- 1.7		+0.3	-0.5	0	0	-0.2	+0.1
22.MADHYA- .	0.0	0	30.9	12.8	54	29	1.2	1.5
-MAHARASHTRA .	- 4.1		+0.6	-0.7	- 2	- 1	-0.2	-0.4
23.MARATHWADA .	0.0	0	29.9	12.3	46	23	1.5	1.8
.	- 5.9		+0.4	-0.5	- 5	- 7	-0.1	-0.2
24.VIDARBHA .	2.2	20	29.8	14.6	61	34	1.6	1.7
.	- 8.8		+0.9	+0.2	- 2	- 2	-0.2	-0.2
25.COASTAL ANDHRA .	0.0	0	29.7	18.1	78	59	1.7	1.4
-PRADESH .	- 7.6		+0.8	-0.5	0	- 3	-0.6	-0.8
26.TELANGANA .	3.8	90	30.7	16.0	69	36	1.6	1.5
.	- 0.4		+0.6	-0.3	- 4	- 1	-0.4	-0.5
27.RAYALASEEMA .	0.0	0	30.2	16.3	66	37	2.2	2.4
.	- 6.8		+0.3	-0.9	- 6	- 5	0.0	-0.3
15.TAMILNADU .	2.1	6	29.7	19.7	77	58	3.9	4.0
(INCL.PONDICH.).	- 35.7		+0.4	-1.0	- 2	- 3	0.0	+0.3
29.COASTAL MYSORE .	0.0	0	32.3	20.1	65	58	2.8	2.7
.	- 2.5		+0.7	-0.3	- 6	- 1	+0.6	+0.6
30.INTERIOR MYSORE.	0.0	0	29.7	15.8	58	30	2.3	2.1
(NORTH) .	- 3.9		-0.1	-0.4	- 3	- 2	+0.7	-0.2
31.INTERIOR MYSORE.	0.0	0	28.7	15.4	70	34	3.1	3.0
(SOUTH) .	- 3.8		+0.4	-0.6	- 3	- 2	+0.3	+0.3
32.KERALA .	10.1	59	32.3	21.9	71	59	3.5	4.1
.	- 7.1		+0.4	-0.2	- 2	+ 1	+0.5	+0.9
33.ARABIAN SEA- .	13.4	42	30.4	22.8	77	68	3.8	4.5
ISLANDS .	- 18.5		-0.1	-0.5	0	- 4	+0.5	+0.5

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

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JANUARY ,1969(PAUSA 11 - MAGHA 11,1890 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.5 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
BAY ISLANDS																												
MAYA BANDAR	29.1	+1.3	30.4	26	22.1	-0.4	19.4	31	2.8	11.6	- 6.8	5.0	20	1	0.0	11.0	8.1	-0.8	0	6	0	0	0	0	0	0	0	0
LONG ISLAND	29.2	-0.7	31.0	11	21.7	-0.7	18.4	31	6.6	82.8	+ 53.8	26.6	09	5	+ 3.1	5.2	2.8	+0.8	0	6	0	0	0	0	0	0	0	0
PORT BLAIR	30.3	+1.1	31.4	04	22.0	-0.7	19.2	01	26.5	75.0	+ 23.9	26.4	29	5	+ 2.8	9.9	7.4	-6.0	0	9	0	0	2	1	0	0	0	0
CAR NICOBAR	30.0	+0.2	31.0	28	23.2	-1.2	18.7	02	25.4	162.2	+ 73.5	84.2	10	7	+ 2.4	6.8	5.7	-1.4	0	7	0	0	0	0	0	0	0	0
NAN COWRY	31.8	+0.1	33.4	29	21.0	-3.3	18.4	08	145.3	211.3	+ 73.1	91.0	08	11	+ 2.7	1.6	0.9	+0.3	0	13	0	0	4	0	0	0	0	0
KONDUL	28.8	+0.5	30.0	29	23.1	-2.2	21.0	05	56.6	135.6	- 33.4	40.8	09	9	- 1.0	6.3	4.7	-6.4	0	9	0	0	1	0	0	0	0	0
HUT BAY/LITTLE ANDAMAN	29.5	..	30.5	21	22.5	..	19.0	01	48.8	139.8	..	40.6	08	7	..	16.3	9.4	..	0	9	0	0	1	0	0	0	0	0
NORTH ASSAM(INCLUDING NEFA)																												
PASIGHAT	21.4	-1.6	24.8	24	11.7	-1.3	8.2	16	21.0	68.9	+ 20.1	22.3	11	5	+ 0.9	9.3	13.3	-1.2	1	5	0	0	2	0	0	0	0	0
DIBRUGARH(MOHANBARI)	22.0	-0.5	24.9	25	8.1	-1.0	5.0	01	21.0	86.0	+ 42.4	30.8	29	5	+ 0.3	9.3	2.9	+0.8	0	6	0	1	6	11	0	0	0	0
DIGBOI	22.0	-0.1	25.0	25	9.6	-1.2	6.3	16	8.6	64.1	+ 11.7	15.9	30	5	+ 0.3	..	..	..	0	7	0	0	0	0	0	0	0	0
NORTH LAKHIMPUR	22.7	-0.1	25.1	10	7.4	-1.5	4.5	02	9.5	52.3	+ 13.2	17.2	11	5	+ 1.7	4.8	2.7	..	1	5	0	0	3	2	0	0	0	0
SIBSAGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GOHPUR	23.1	0.0	25.4	25	7.1	-1.9	4.8	16	5.2	39.6	+ 15.3	16.4	29	4	+ 1.7	3.5	2.5	..	0	5	0	0	0	0	0	0	0	0
MAJBAT	24.3	..	26.5	25	8.8	..	6.1	01	0.0	23.4	+ 3.4	23.4	29	1	- 1.0	3.6	2.7	+0.2	0	1	0	0	0	0	0	0	0	0
JORHAT AERODROME	23.3	..	26.0	25	8.9	..	6.4	01	0.0	31.3	..	15.4	10	3	..	..	..	..	0	3	0	1	4	17	0	0	0	0
TANGLA	25.0	+0.3	27.2	24	9.2	-1.0	7.3	01	2.2	10.4	- 7.9	8.2	15	1	- 0.9	2.3	1.8	+0.4	0	2	0	0	0	0	0	0	0	0
TEZPUR	24.6	+0.9	26.6	25	10.7	-0.7	8.8	16	0.0	11.2	- 3.8	5.4	15	2	+ 0.5	3.7	3.0	+0.6	0	3	0	0	0	10	0	0	0	0
GOLAGHAT	23.7	+0.4	26.1	25	9.7	-1.9	6.4	01	5.6	17.6	- 1.6	11.0	29	2	- 0.5	1.8	1.7	..	1	4	0	0	0	2	0	0	0	0
RANGIA	23.8	-1.1	25.7	28	10.0	-0.3	8.1	01	0.0	10.4	- 13.7	10.4	15	1	- 0.8	..	..	..	0	1	0	0	0	0	0	0	0	0
CHAPARMUKH	25.0	+0.4	26.5	22	11.2	+0.3	7.5	16	0.0	4.2	- 0.6	4.2	15	1	+ 0.3	2.9	2.9	..	0	1	0	0	0	0	0	0	0	0
GOALPARA	24.8	-0.2	26.6	23	10.9	+0.4	8.4	06	0.0	8.3	- 14.3	5.1	14	2	+ 0.6	2.7	1.8	-0.5	0	2	0	0	0	0	0	0	0	0
GAUHATI(BHIRJOR)	23.8	+0.4	25.9	30	9.1	-0.7	6.6	16	10.9	21.9	+ 6.3	10.8	15	3	+ 1.5	4.6	3.1	..	0	3	0	1	2	6	0	0	0	0
DHUBRI(RUPSI)	24.2	-0.1	25.6	27	7.8	-2.3	5.4	15	0.0	5.8	- 18.7	5.8	14	1	- 0.8	6.5	4.5	+1.8	0	1	0	0	1	4	0	0	0	0
DHUBRI	23.5	+0.6	26.1	02	10.9	-0.9	8.1	16	0.0	5.6	- 2.8	5.4	14	1	+ 0.3	7.2	5.1	+0.7	1	1	0	0	1	0	0	0	0	0
LUMDING	25.0	+1.1	28.4	29	7.9	-0.7	3.7	17	9.8	9.8	- 5.2	7.6	30	1	- 0.4	5.1	2.1	..	0	2	0	0	0	14	0	0	0	0
BONDILLA	6.9	..	13.8	01	0.7	..	- 1.7	10	0.0	2.4	..	2.4	10	0	..	8.4	13.4	..	0	1	6	0	0	26	0	0	0	0
TAWANG	11.8	..	14.4	19	5.9	..	3.3	07	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
TEZU	21.9	..	25.9	20	1.3	..	1.1	05	32.6	107.8	..	23.8	29	7	..	2.1	2.2	..	0	9	0	1	0	0	0	0	0	0
ALONG	20.2	..	23.8	22	8.8	..	6.2	03	12.9	47.4	..	24.7	11	5	..	..	..	..	2	7	0	0	0	17	0	0	0	0
ZIRO	16.2	..	21.5	08	1.5	..	- 5.1	01	12.6	35.9	..	24.6	11	3	..	1.6	0.3	..	0	4	0	0	0	25	0	0	0	0
KHONSA	16.9	..	19.9	23	11.3	..	9.4	10	3.8	32.0	..	13.8	15	2	..	..	..	..	0	5	0	0	0	0	0	0	0	0
SOUTH ASSAM(INCLUDING NAGALAND, MANIPUR AND TRIPURA)																												
TURA	..	..	..	..	12.9	+0.2	8.6	15	0.0	4.1	- 5.9	4.1	14	1	- 0.5	4.3	5.4	+0.1	0	1	0	0	0	0	0	0	0	0
HAFLONG	17.6	-3.4	20.6	25	12.0	+1.6	9.3	16	2.3	15.9	- 9.9	12.4	29	1	- 0.6	..	..	..	0	3	0	0	1	0	0	0	0	0
SILCHAR(KUMBHIRGRAM)	24.9	-1.2	29.0	23	11.3	-0.5	9.2	01	7.8	27.3	+ 11.2	19.2	29	2	+ 0.4	6.1	8.0	+0.3	1	3	0	0	2	1	0	0	0	0
SILCHAR	21.7	-3.8	24.1	23	11.3	-0.4	8.9	16	8.2	8.7	- 11.9	5.4	15	2	+ 0.6	..	..	..	0	3	0	0	1	0	0	0	0	0
IMPHAL(TULIHAL)	23.0	+1.9	23.8	29	4.9	+1.3	0.1	07	5.2	9.9	- 7.4	6.8	30	1	- 0.7	7.4	4.1	-0.8	2	3	0	0	1	1	0	0	0	0
KAILASHAHAR	25.4	-0.8	29.0	23	8.9	-0.4	6.1	17	67.2	102.8	+ 95.9	67.2	30	2	+ 1.5	4.5	2.8	+0.9	0	3	0	1	2	2	0	0	0	0
AGARTALA	25.7	+0.1	28.2	29	9.1	-1.2	4.5	16	0.0	0.3	- 16.9	0.3	14	0	- 1.3	7.2	4.2	+0.5	0	1	0	0	1	5	0	0	0	0
TUENSANG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MOKUKCHUNG	18.2	..	20.4	22	14.8	..	8.1	26	6.7	12.8	..	11.8	28	1	..	3.4	4.0	..	0	3	1	0	0	0	0	0	0	0
SUB-HIMALAYAN WEST BENGAL																												
BAGHDOGRA	25.2	+1.2	27.2	24	6.9	-1.8	3.4	15	0.0	4.5	- 14.4	4.5	14	1	- 0.6	8.8	6.5	+2.8	0	1	0	0	1	4	0	0	0	0
JALPAIGURI	23.4	0.0	25.4	23	10.7	-0.1	8.3	16	9.4	12.4	+ 5.5	9.4	15	2	+ 1.4	5.4	4.0	+0.7	0	2	0	0	0	0	0	0	0	0
COOCH BEHAR AERODROME	24.2	+0.2	26.6	09	8.7	-1.4	6.5	16	0.0	6.2	- 1.4	4.4	14	1	+ 0.4	5.5	2.7	+0.2	0	2	0	0	1	12	0	0	0	0
BALURGHAT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MALDA	24.[illegible]	+0.4	28.3	28	10.6	-0.2	8.3	16	0.0	3.5	- 7.4	3.5	14	1	+ 0.1	3.8	2.1	-2.3	0	1	0	0	1	2	0	0	0	0
GANGETIC WEST BENGAL																												
BERHAMPORE	25.7	0.0	29.8	29	10.6	-1.2	8.3	17	0.0	2.0	- 7.1	2.0	14	0	- 1.0	2.9	1.3	-0.1	0	1	0	0	0	31	0	0	0	0
SIURI	25.2	-0.1	30.9	29	10.6	-2.1	7.9	17	..	1.0	- 31.7	1.0	14	0	- 1.6	.	4.8	-1.0	0	1	0	0	0	0	0	0	0	0
ASANSOL	26.7	+1.0	32.0	29	8.6	-3.6	5.8	12	0.0	4.2	- 12.3	4.2	14	1	- 0.3	7.3	3.6	-1.7	0	1	0	0	1	0	0	0	0	0
SHANTI NIKETAN	25.8	..	31.1	29	10.4	..	7.7	15	0.0	2.8	..	2.8	14	1	..	6.9	5.3	..	0	1	0	0	0	4	0	0	0	0
KRISHNANAGAR	26.9	+0.1	31.3	29	8.3	-2.8	5.5	15	0.0	2.4	- 10.1	2.4	14	0	- 1.0	0.2	0.2	-1.9	0	1	0	0	0	0	0	0	0	0
PURULIA	25.5	+0.1	30.9	28	11.2	-1.6	7.7	15	0.0	8.2	- 0.7	8.2	14	1	- 0.1	6.2	3.5	+0.4	0	1	0	0	1	0	1	0	0	0
BANKURA	27.5	..	32.8	31	11.4	..	8.3	16	0.0	10.0	- 8.3	10.0	14	1	- 0.3	2.0	1.9	..	0	1	0	0	0	0	0	0	0	0
BURDWAN	27.0	+0.8	31.0	29	11.7	-1.0	9.2	16	0.0	0.0	- 13.5	0.0	..	0	- 1.1	5.5	3.7	+0.9	0	0	0	0	0	0	0	0	0	0
CALCUTTA (DUM DUM)	25.7	-0.7	30.0	29	11.2	-1.1	8.2	15	0.0	12.0	+ 3.4	12.0	14	1	- 0.1	5.9	4.3	+0.2	0	1	0	0	0	1	5	0	0	0
CALCUTTA	26.5	-0.3	30.3	28	12.9	-0.7	9.7	17	0.0	26.0	+ 14.1	26.0	14	1	+ 0.1	7.2	3.9	+1.1	0	1	0	0	0	10	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JANUARY 1969 (PAUSA 11 - MAGHA 11, 1890 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
GANGETIC WEST BENGAL(CONTD.)																												
MIDNAPURE	26.2	-0.7	32.0	29	11.3	-1.8	7.8	16	0.0	7.4	- 7.8	7.4	14	1	- 0.1	5.9	3.4	+0.1	0	1	0	0	0	0	0	0	0	0
CUNTAI	25.8	-0.8	28.3	28	13.3	-1.2	9.3	16	0.0	0.1	- 13.4	0.1	14	0	- 1.0	5.8	3.4	-0.7	1	0	0	0	0	0	0	0	0	0
SAGAR ISLAND	24.2	-0.8	27.2	30	14.9	-0.9	11.3	16	0.0	1.2	- 13.0	1.2	14	0	- 1.0	14.3	11.0	-0.3	0	1	0	0	0	26	0	0	0	0
SANDHEADS	24.6	..	27.7	31	20.4	..	16.4	26	3.0	3.0	- 4.6	3.0	15	1	+ 0.3	..	..	..	0	1	0	0	0	1	0	0	0	0
NARENDRAPUR	25.8	..	28.5	03	9.3	..	7.3	18	0.0	4.3	..	4.3	14	1	..	5.8	3.5	..	0	1	0	0	0	25	0	0	0	0
BAGATI	26.1	..	30.4	29	12.8	..	6.4	07	0.0	4.1	..	4.1	14	1	..	4.1	2.5	..	0	1	0	0	0	3	0	0	0	0
ORISSA																												
BARIPADA	27.9	-0.5	32.9	29	11.4	-1.1	7.5	19	0.0	0.0	- 21.4	0.0	..	0	- 1.4	2.8	1.3	-0.5	0	0	0	0	0	0	0	0	0	0
JHARSUGUDA	28.4	+0.8	31.9	29	10.9	-1.8	6.3	16	0.0	0.0	- 15.5	0.0	..	0	- 1.3	7.5	5.5	-0.3	0	0	0	0	0	0	0	0	0	0
KEONJHARGARH	27.8	+2.1	29.9	28	10.3	-1.9	5.2	16	0.0	0.0	- 10.4	0.0	..	0	- 1.4	5.8	3.5	-0.2	0	0	0	0	0	0	0	0	0	0
BALASORE	26.9	-0.2	31.2	28	11.7	-2.4	8.6	16	0.0	0.0	- 19.1	0.0	..	0	- 1.2	7.3	4.3	+0.3	0	0	0	0	0	0	0	0	0	0
SAMBALPUR	28.4	+0.2	32.2	31	11.6	-1.0	6.9	17	0.0	0.0	- 16.3	0.0	..	0	- 1.0	2.3	1.9	-1.1	0	0	0	0	0	0	0	0	0	0
ANGUL	28.3	+0.6	31.1	27	11.6	-2.2	7.3	16	0.0	0.0	- 12.5	0.0	..	0	- 1.0	..	..	..	0	0	0	0	0	0	0	0	0	0
CHANDBALI	27.2	+0.2	30.9	28	11.9	-2.9	9.0	14	0.0	0.0	- 11.7	0.0	..	0	- 1.0	7.5	5.8	+0.1	0	0	0	0	0	0	0	0	0	0
BOLANGIR	28.9	+0.6	32.6	28	12.3	-1.8	7.9	17	0.0	0.2	- 5.2	0.2	02	0	- 0.8	2.4	3.5	-0.1	1	0	0	0	0	0	0	0	0	0
PHULBANI	27.2	..	30.0	14	7.6	..	2.7	17	0.0	0.6	..	0.6	02	0	..	3.7	1.5	..	0	1	0	0	0	0	0	0	0	0
CUTTACK	29.9	+1.0	33.1	30	15.9	+0.2	12.8	17	0.0	0.0	- 11.2	0.0	..	0	- 0.9	4.5	2.6	-0.3	0	0	0	0	0	0	0	0	0	0
TITLAGARH	29.8	+1.1	32.1	29	13.7	0.0	8.8	17	0.0	1.5	- 5.5	1.5	02	0	- 0.6	5.3	2.5	+0.5	0	1	0	0	0	0	0	0	0	0
BHUBANESWAR	28.4	-0.2	32.3	30	14.2	-1.7	11.0	23	0.0	0.0	- 11.6	0.0	..	0	- 0.7	10.5	7.8	-1.3	0	0	0	0	0	0	0	0	0	0
PURI	29.3	+2.4	29.8	28	14.6	-3.3	14.1	03	0.0	0.0	- 12.2	0.0	..	0	- 0.8	..	..	..	0	0	0	0	0	0	0	0	0	0
GOPALPUR	27.3	-0.1	30.0	31	15.5	-1.4	12.6	17	0.0	0.0	- 8.6	0.0	..	0	- 0.7	..	..	..	0	0	0	0	0	2	0	0	0	0
KORAPUT	25.6	+0.4	27.4	14	..	..	..	..	0.0	0.0	- 7.1	0.0	..	0	- 0.2	..	..	..	0	0	0	0	0	0	0	0	0	0
PARADIP PORT	29.5	..	30.7	04	14.8	..	13.4	22	0.0	0.0	..	0.0	..	0	..	18.8	16.1	..	0	0	0	0	0	2	0	0	0	0
ROURKELA	27.6	..	31.6	28	10.3	..	6.0	16	0.0	1.8	..	1.8	14	0	..	..	..	..	0	1	0	0	0	0	0	0	0	0
BHUWANI PATNA	29.4	..	33.1	15	..	..	..	..	0.0	0.0	..	0.0	..	0	..	7.0	7.1	..	0	0	0	0	0	0	0	0	0	0
BIHAR PLATEAU																												
DUMKA	25.7	+0.4	30.0	29	9.3	-1.3	6.8	17	0.0	42.0	+ 26.0	40.0	02	1	- 0.3	2.2	3.7	+0.8	0	2	0	0	0	0	0	0	0	0
DALTONGANJ	25.7	+1.3	31.1	28	7.0	-2.4	3.4	17	4.4	7.8	- 19.1	7.8	14	1	- 1.0	4.4	3.2	+0.3	0	1	0	0	1	0	0	0	0	0
HAZARIBAGH	22.4	-0.4	28.3	28	7.9	-1.7	2.5	16	0.0	2.7	- 23.5	2.0	14	0	- 2.1	12.3	8.9	+2.0	0	2	0	0	1	1	0	0	0	0
DHANBAD	26.0	+1.3	30.4	29	11.3	-0.8	6.6	15	0.0	3.2	- 9.0	3.2	14	1	0.0	5.6	3.6	-2.5	0	1	0	0	1	0	0	0	0	0
RANCHI AERODROME	23.0	-0.2	27.6	28	9.1	-1.7	4.9	16	0.0	14.5	- 3.7	14.5	14	1	- 0.8	12.6	8.6	+0.8	0	1	0	0	1	0	0	0	0	0
JAMSHEDPUR	26.8	+0.1	31.9	28	9.6	-2.2	5.6	23	0.0	9.4	- 7.4	9.4	14	1	- 0.4	6.7	4.0	+0.9	0	1	0	0	0	7	0	0	0	0
JAMSHEDPUR P.B.O.	26.4	+0.1	31.3	28	9.9	-2.3	6.6	23	0.0	10.8	- 3.3	10.8	14	1	- 0.7	7.6	3.9	+0.4	0	1	0	0	1	1	0	0	0	0
CHAIBASA	27.0	+0.5	31.4	28	9.3	-2.7	5.9	16	0.0	12.0	- 9.1	12.0	14	1	- 0.7	4.1	2.0	+0.2	0	1	0	0	2	0	0	0	0	0
BIHAR PLAINS																												
MOTIHARI	22.8	-0.1	25.2	26	6.1	-2.8	3.3	06	0.0	0.0	- 17.3	0.0	..	0	- 1.5	.	3.6	+1.4	0	0	0	0	0	0	0	0	0	0
FORBESGANJ	22.4	-2.5	28.8	26	8.2	-0.9	6.1	16	0.0	5.0	- 28.7	5.0	14	1	- 0.6	6.7	4.5	+0.4	0	1	0	0	0	1	0	0	0	0
DARBHANGA	23.6	0.0	26.8	29	8.3	-1.7	5.6	15	2.0	6.0	- 4.7	6.0	14	1	+ 0.1	2.2	1.8	+0.1	0	1	0	0	1	0	0	0	0	0
MUZAFFARPUR	22.8	..	26.2	29	8.0	..	5.7	16	2.0	2.0	- 13.0	2.0	14	0	- 1.2	5.3	3.1	..	0	1	0	0	0	0	0	0	0	0
CHAPRA	23.6	..	28.0	29	9.2	..	6.2	06	..	13.4	+ 0.7	13.4	14	1	- 0.3	.	3.0	..	0	1	0	0	0	2	0	0	0	0
PURNEA	23.6	-0.7	27.6	29	6.3	-2.5	4.2	16	0.0	8.6	0.0	8.6	04	1	+ 0.3	3.7	2.3	-0.6	0	1	0	0	0	0	0	0	0	0
PATNA	23.2	-0.4	27.4	29	9.7	-1.3	6.4	15	..	3.0	- 12.5	3.0	14	1	- 0.4	.	6.2	+1.1	0	1	0	0	1	2	0	0	0	0
PATNA AERODROME	23.0	-0.3	27.4	29	8.1	-1.8	5.0	16	3.5	4.5	- 23.9	4.5	14	1	- 0.3	8.8	4.2	+0.6	0	1	0	0	1	5	0	0	0	0
ARRAH	..	..	..	..	..	..	..	..	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
BHAGALPUR	23.8	-0.2	27.7	29	10.9	-0.9	8.4	07	0.0	6.8	- 27.7	6.8	14	1	- 0.8	6.7	6.2	+1.2	0	1	0	0	1	0	0	0	0	0
SABAUR	23.3	-0.3	27.5	29	5.6	-2.8	3.2	16	0.0	6.2	- 7.5	6.2	14	1	- 0.2	7.5	3.9	-0.6	0	1	0	0	1	0	0	0	0	0
JAMUI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DEHRI	24.0	+0.2	29.7	28	7.5	-4.1	0.0	03	..	7.1	- 12.5	6.1	14	1	- 0.7	.	4.5	+0.3	0	2	0	0	0	0	0	0	0	0
GAYA	24.1	-0.1	30.4	28	7.5	-2.6	4.1	16	22.0	4.7	- 24.5	4.6	14	1	- 1.1	8.7	4.7	-1.1	1	1	0	0	2	0	0	0	0	0
SUPAUL	25.3	..	28.1	31	9.5	..	6.1	15	0.0	9.0	..	9.0	14	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0
UTTAR PRADESH EAST																												
KHERI	23.3	+1.0	26.5	03	7.6	-1.3	4.5	16	4.0	18.5	- 25.4	12.6	14	2	- 1.2	4.9	3.1	+0.7	0	2	0	0	1	3	0	0	0	0
BAHRAICH	23.5	+0.9	26.2	29	7.8	-1.0	4.1	06	1.2	2.0	- 19.8	1.2	14	0	- 1.7	7.9	5.0	+1.0	0	2	0	0	0	4	0	0	0	0
NAUTANWA	23.1	0.0	26.0	04	6.1	-2.8	3.4	15	2.2	2.2	- 20.5	2.2	14	0	- 1.7	.	2.0	-0.3	0	1	0	0	0	0	0	0	0	0
HARDOI	22.5	+0.4	28.0	27	7.7	-0.8	4.7	07	0.0	0.0	- 38.8	0.0	..	0	- 2.8	6.7	5.4	+1.1	0	0	0	0	0	0	0	0	0	0
GONDA	23.0	+0.1	26.0	29	6.9	-1.4	3.2	06	0.0	0.0	- 21.8	0.0	..	0	- 1.9	6.6	4.6	+0.7	0	0	0	0	0	0	0	0	0	0
LUCKNOW	22.6	-0.7	27.8	27	8.7	-0.2	5.1	08	0.0	0.0	- 17.5	0.0	..	0	- 1.5	..	..	..	0	0	0	0	0	0	0	0	0	0
LUCKNOW (AMAUSI)	23.6	+1.3	28.7	27	6.0	-2.0	2.5	16	0.0	0.0	- 31.4	0.0	..	0	- 2.4	10.7	9.0	+3.0	0	0	0	0	0	0	0	0	0	0
FAIZABAD	24.1	+1.6	27.2	29	6.9	-0.4	3.7	06	0.0	0.0	- 20.7	0.0	..	0	- 1.5	5.3	2.7	-0.2	0	0	0	0	0	3	0	0	0	0
GORAKHPUR	23.6	+0.6	26.3	28	8.7	-1.2	5.9	15	0.0	0.0	- 13.5	0.0	..	0	- 1.4	6.1	3.9	+1.0	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JANUARY 1969 (PAUSA 11 - MAGHA 11, 1890 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																												
KANPUR	23.7	+0.9	29.7	27	7.5	-1.1	4.1	22	0.0	0.0	- 13.7	0.0	..	0	- 1.5	16.0	8.6	+2.0	0	0	0	0	0	6	2	0	0	0
KANPUR (AERODROME)	24.2	..	28.3	27	6.6	..	3.3	16	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	8	0	0	0	0
SULTANPUR	24.2	+1.8	28.2	28	7.4	-1.4	3.4	18	..	0.0	- 21.8	0.0	..	0	- 1.8	.	1.8	-1.2	0	0	0	0	0	0	0	0	0	0
AZAMGARH	23.9	+0.6	28.1	29	6.4	-3.3	3.4	18	0.0	4.6	- 17.8	3.0	14	1	- 1.1	6.8	3.4	..	0	2	0	0	0	0	0	0	0	0
FATEHPUR	23.6	+0.2	28.9	27	6.7	-2.2	3.1	16	0.0	0.0	- 16.7	0.0	..	0	- 1.9	..	..	..	0	0	0	0	0	0	0	0	0	0
BALLIA	19.4	-4.5	24.0	29	..	..	..	..	0.0	0.0	- 31.4	0.0	..	0	- 2.0	6.1	2.4	-0.5	0	0	0	0	0	0	0	0	0	0
BANDA	24.9	+1.2	32.0	26	8.8	-0.8	4.8	16	2.0	6.8	- 14.7	4.8	01	1	- 1.5	2.2	0.8	-0.8	0	2	0	0	0	1	0	0	0	0
ALLAHABAD (BAMHRAULI)	24.9	+1.2	30.2	27	7.9	-1.2	4.0	16	1.2	2.4	- 17.2	1.2	14	0	- 1.6	5.8	3.0	-1.8	0	3	0	0	2	2	0	0	0	0
VARANASI (BABATPUR)	23.8	+0.7	28.7	28	7.7	-1.5	3.7	17	0.0	0.2	- 23.3	0.2	13	0	- 2.1	11.7	8.8	+2.3	1	0	0	0	1	0	0	0	0	0
VARANASI	23.9	+0.5	29.1	28	9.4	-0.1	6.0	18	8.2	8.2	- 13.4	7.2	02	1	- 0.8	4.8	3.9	-2.5	0	2	0	0	0	7	0	0	0	0
UTTAR PRADESH WEST																												
MUKHIM	11.9	0.0	17.5	26	3.6	0.0	0.6	14	28.0	39.1	- 37.7	17.0	14	4	- 0.8	..	..	..	0	4	0	0	1	0	0	0	0	0
TEHRI	19.6	+0.7	23.7	25	4.8	-0.2	2.3	05	18.7	35.0	- 28.8	9.4	28	5	0.0	1.4	0.9	..	0	6	0	0	2	4	0	0	0	0
DEHRA DUN	19.8	+0.7	23.8	26	5.5	-0.6	1.3	14	9.2	24.0	- 33.9	13.0	14	3	- 0.8	3.1	2.7	+0.1	0	6	0	1	3	0	0	0	0	0
MANSIARI	10.6	..	15.6	22	0.4	..	- 4.8	15	..	97.3	..	18.6	13	8	..	..	..	..	1	8	0	0	0	0	0	0	0	0
ROORKEE	20.8	+0.7	24.2	26	5.0	-1.6	2.1	05	10.2	19.1	- 24.1	7.9	14	3	+ 0.2	5.7	3.7	-0.3	0	5	0	1	2	0	0	0	0	0
NAJIBABAD	..	..	..	..	5.4	-1.6	0.9	05	13.3	30.7	- 22.6	12.8	13	3	+ 2.6	6.9	4.5	+1.0	0	4	0	0	1	8	0	0	0	0
MEERUT	22.9	+2.3	27.5	26	4.1	-3.8	0.4	16	..	11.0	- 19.2	3.0	08	3	+ 0.5	.	7.5	+2.6	0	4	0	0	0	0	0	0	0	0
BAREILLY	22.5	+0.5	25.3	28	8.1	-0.5	5.2	05	0.0	8.1	- 16.3	7.8	14	1	- 0.8	10.2	6.6	+3.1	0	2	0	1	1	3	0	0	0	0
ALIGARH	22.1	+0.4	27.1	27	6.7	-0.9	3.1	06	0.0	0.0	- 17.8	0.0	..	0	- 1.6	9.5	6.1	+0.8	0	0	0	0	0	0	0	0	0	0
MAINPURI	24.3	+1.6	30.0	28	5.7	-2.0	1.4	06	0.0	0.4	- 14.8	0.4	13	0	- 1.5	..	..	..	0	1	0	0	0	0	0	0	0	0
AGRA	23.0	+0.8	29.1	27	7.2	-0.2	3.0	16	0.0	5.1	- 8.1	5.1	07	1	- 0.2	4.9	3.0	-0.6	0	1	0	0	0	0	0	0	0	0
AGRA AERODROME	23.4	..	29.5	27	6.3	..	2.2	06	0.5	0.5	..	0.5	08	0	..	..	..	..	0	1	0	0	0	5	0	0	0	0
ORAI	23.1	+0.1	30.8	27	7.7	-0.7	4.4	15	1.2	9.2	- 9.8	8.0	07	1	- 0.9	6.3	5.0	-0.6	0	2	0	0	0	0	0	0	0	0
JHANSI	23.4	-0.7	31.0	27	8.1	-1.1	4.0	16	10.2	14.5	+ 0.5	10.2	08	2	+ 0.7	7.4	8.3	+4.4	0	2	0	0	0	2	0	0	0	0
MORADABAD	21.1	..	24.5	26	7.9	..	2.4	06	0.0	13.6	..	10.2	13	2	..	4.7	5.4	..	0	2	0	0	0	1	0	0	0	0
UTTAR KASHI	19.1	..	24.0	26	5.4	..	3.2	01	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
ASCOT	..	..	..	..	..	..	..	..	22.5	55.1	..	24.5	13	4	..	0.9	0.6	..	0	6	0	0	0	0	0	0	0	0
CHANGARIA	..	..	..	..	..	..	..	..	12.0	46.3	..	16.3	13	5	..	0.5	0.3	..	0	5	0	0	1	0	0	0	0	0
HARYANA (INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	20.6	+0.5	25.4	26	6.2	-1.1	2.6	14	12.9	20.3	- 35.7	10.4	14	3	- 1.6	..	..	..	0	4	0	0	0	0	0	0	0	0
AMBALA	18.5	-2.3	23.4	26	6.7	-0.1	3.5	17	1.0	3.8	- 34.5	2.2	08	0	- 2.7	6.3	6.6	+1.1	0	3	0	0	0	0	0	0	0	0
AMBALA AERODROME	21.1	..	25.6	26	4.9	..	0.6	16	0.9	3.9	..	2.4	08	0	..	..	..	..	0	4	0	0	2	0	0	0	0	0
KARNAL	20.7	+0.5	25.0	26	6.6	-0.4	3.4	22	1.8	6.0	- 30.2	2.6	08	1	- 2.9	..	..	..	0	3	0	0	0	0	0	0	0	0
HISSAR	22.1	+0.4	29.8	26	6.0	+0.5	1.9	16	1.6	1.0	- 16.0	1.0	12	0	- 1.5	..	..	..	0	1	0	0	1	5	1	0	0	0
NEW DELHI/SAFDARJUNG	22.1	+0.8	27.7	26	6.7	-0.6	2.5	05	0.0	0.9	- 19.9	0.9	13	0	- 1.8	16.7	11.2	+2.8	0	1	0	0	0	1	0	0	0	0
PALAM AERODROME	21.9	..	27.3	26	4.5	..	- 1.0	05	0.0	0.9	..	0.9	13	0	..	..	..	..	0	1	0	0	0	2	0	0	0	0
GURGAON	22.8	..	28.0	26	3.4	..	1.1	15	0.0	0.6	..	0.6	13	0	..	..	..	..	0	1	0	0	0	0	0	0	0	0
NARNAUL	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
ROHTAK	21.6	..	28.4	26	5.2	..	1.6	16	0.1	1.1	..	0.5	12	0	..	8.5	8.9	..	1	2	0	0	0	0	0	0	0	0
PUNJAB																												
PATHANKOT	19.2	+0.8	21.5	23	3.9	-1.7	- 0.7	11	10.5	56.7	- 35.5	25.0	13	3	- 2.2	..	..	..	1	4	0	1	4	1	0	0	0	0
AMRITSAR	19.4	+0.8	24.0	26	3.7	-0.8	- 0.1	05	2.4	18.2	- 18.9	17.8	13	1	- 1.9	..	..	..	0	2	0	0	2	1	0	0	0	0
ADAMPUR AERODROME	20.4	..	26.5	26	1.7	..	- 3.0	05	5.4	11.7	..	11.7	13	1	..	..	..	..	0	1	0	0	3	7	0	0	0	0
LUDHIANA	21.5	+1.3	27.0	26	5.4	-0.4	1.0	05	0.0	0.0	- 33.3	0.0	..	0	- 2.4	6.4	3.8	+1.2	0	0	0	0	0	0	0	0	0	0
FEROZEPUR	20.0	+0.7	24.6	25	5.2	+0.1	1.0	05	0.0	5.5	- 30.7	5.5	13	1	- 1.1	..	..	..	0	1	0	0	0	9	0	0	0	0
HALWARA AERODROME	20.8	..	25.7	26	4.1	..	- 0.4	04	0.6	0.8	..	0.8	13	0	..	..	..	..	0	1	0	0	2	4	3	0	0	0
PATIALA	20.6	+0.4	25.4	26	6.3	-0.8	2.2	04	0.0	9.3	- 23.2	8.0	12	1	- 1.5	13.0	9.6	+2.4	0	2	0	0	0	0	0	0	0	0
BHATINDA	21.6	+0.9	27.9	26	3.5	-0.4	0.2	08	0.0	2.0	- 7.6	2.0	12	0	- 0.7	2.4	2.2	-2.1	0	1	0	0	0	2	0	0	0	0
HIMACHAL PRADESH																												
MANDI	18.4	+0.7	22.7	25	3.8	+0.1	0.3	05	18.0	35.0	- 47.0	17.6	14	3	- 3.2	..	..	..	1	3	0	0	0	0	0	0	0	0
BILASPUR	20.5	+1.2	23.7	25	..	..	..	..	..	47.0	- 30.1	22.0	14	4	- 0.8	4.5	3.1	+0.4	0	4	0	0	2	0	0	0	0	0
JAMMU AND KASHMIR																												
MISGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GILGIT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SKARDU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DRAS	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SONAMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
LEH	1.8	-1.0	5.1	26	-16.3	-2.3	-20.9	04	..	11.8	+ 0.9	4.4	27	3	+ 1.8	..	..	..	0	4	8	0	0	0	0	0	0	0
SRINAGAR	3.2	-1.2	9.2	27	- 3.4	-1.1	- 8.3	16	14.5	47.4	- 23.0	21.8	27	4	- 2.3	5.2	4.6	+1.0	1	7	9	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – JANUARY ,1969 PAUSA 11 - MAGHA 11,1890 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR(CONTD)																												
SRINAGAR AERODROME	2.3	..	7.3	27	- 3.3	..	-10.8	16	36.0	119.3	..	75.4	13	4	..	..	..	..	0	7	13	0	0	1	0	0	0	0
GULMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
QAZIGUND	3.0	..	7.2	26	- 5.2	..	-12.6	16	47.1	238.9	..	120.8	13	5	..	..	..	..	0	6	7	0	2	0	0	0	0	0
BANIHAL	8.1	..	12.0	23	- 0.6	..	- 6.7	14	53.6	150.2	..	66.0	27	4	..	..	..	..	0	5	3	0	0	0	0	0	0	0
JAMMU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JAMMU AERODROME	19.6	..	21.6	23	6.3	..	2.2	05	0.4	48.0	..	45.6	13	1	..	..	..	..	1	2	0	0	3	0	0	0	0	0
GULMARG (RESEARCH INSTITUTE)	0.8	..	2.1	21	- 9.5	..	-12.4	14	73.2	158.0	..	44.2	26	8	..	..	..	..	0	12	12	0	1	8	0	0	0	0
RAJASTHAN, WEST																												
GANGANAGAR	22.3	+1.8	29.2	26	5.2	+0.5	1.1	05	0.6	1.5	- 13.6	1.1	13	0	- 1.6	3.7	2.5	-1.5	0	2	0	0	0	0	0	0	0	0
ANUPGARH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MAHAJAN	23.1	+1.1	30.6	26	3.3	-2.5	- 1.9	05	0.0	0.6	- 8.5	0.6	07	0	- 0.6	8.3	5.6	+0.5	0	1	0	0	1	1	0	0	0	0
CHURU	23.5	+1.2	30.3	26	5.2	+0.2	0.0	04	0.0	0.0	- 5.3	0.0	..	0	- 0.7	7.9	6.0	+1.4	0	0	0	0	0	0	0	0	0	0
BIKANER	24.4	+1.8	30.7	26	6.5	+0.2	1.1	15	0.0	0.0	- 0.8	0.0	..	0	0.0	8.4	5.7	+0.6	0	0	0	0	0	0	1	0	0	0
NAGAUR	24.9	+2.2	31.0	25	6.4	-0.2	1.5	05	0.0	0.0	- 3.8	0.0	..	0	- 0.3	14.5	9.4	-0.6	0	0	0	0	0	0	1	0	0	0
PHALODI	..	..	..	..	..	..	..	..	..	0.0	- 2.0	0.0	..	0	- 0.4	..	..	..	0	0	0	0	0	0	0	0	0	0
JAISALMER	25.8	+1.2	31.4	25	10.0	+0.5	5.0	28	0.0	6.2	+ 1.1	6.2	07	1	+ 0.6	..	..	..	0	1	0	0	2	0	0	0	0	0
JODHPUR	26.3	+1.6	32.0	26	10.3	+0.1	6.2	05	0.0	0.0	- 6.1	0.0	..	0	- 0.4	9.4	7.0	-0.6	0	0	0	0	0	0	0	0	0	0
BARMER	27.5	+2.2	31.2	25	8.2	-1.3	3.8	02	0.0	0.0	- 5.0	0.0	..	0	- 0.3	3.8	3.6	-0.4	0	0	0	0	0	0	0	0	0	0
ERINPURA (JAWAI DAM)	26.7	..	31.8	25	..	..	..	..	0.0	1.1	..	1.1	07	0	..	7.5	5.9	..	0	1	0	0	0	1	0	0	0	0
RAJASTHAN, EAST																												
PILANI	23.0	+0.7	29.5	26	3.7	-0.7	- 0.5	05	0.0	0.0	- 2.8	0.0	..	0	- 0.6	10.6	8.1	+0.9	0	0	0	0	0	0	0	0	0	0
SIKAR	22.8	+0.8	28.1	26	3.5	+2.3	- 2.2	06	0.0	0.5	- 10.4	0.5	07	0	- 1.4	1.1	0.8	-5.3	0	1	0	0	0	0	0	0	0	0
ALWAR	22.3	0.0	29.0	26	8.0	+0.8	4.0	15	0.0	10.6	- 4.1	10.6	07	1	- 0.2	5.4	3.4	+0.6	0	1	0	0	0	0	0	0	0	0
JAIPUR(SANGANER)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DHOLPUR	24.0	+1.3	30.5	28	5.5	-2.7	1.3	17	0.0	4.5	- 7.6	4.5	07	1	- 1.6	5.2	2.9	-0.7	0	1	0	0	0	0	0	0	0	0
AJMER	23.8	+1.6	29.7	25	8.3	+1.0	4.3	15	0.0	12.6	+ 2.9	12.6	07	1	+ 0.1	3.9	4.3	+0.9	0	1	0	0	1	1	0	0	0	0
TONK	24.5	+2.1	31.1	26	6.4	+1.4	3.2	05	0.0	23.4	+ 22.1	23.4	07	1	+ 0.7	7.0	5.1	+0.3	0	1	0	0	1	0	0	0	0	0
BHILWARA	24.5	..	31.0	26	8.0	..	2.8	15	0.0	3.6	..	3.6	07	1	..	9.5	5.3	..	0	1	0	0	1	3	0	0	0	0
KOTA	25.1	+0.6	31.4	26	9.0	-1.6	4.8	16	0.0	2.2	- 5.4	2.2	07	0	- 0.8	9.3	2.6	+0.4	0	1	0	0	2	0	0	0	0	0
KOTA AERODROME	24.4	..	31.6	26	10.2	..	6.1	16	0.0	2.7	..	2.7	07	1	..	.	6.7	..	0	1	0	0	2	2	0	0	0	0
CHAMBAL (RAWAT BHATTA DAM)	25.6	+0.5	31.1	26	9.7	+2.3	5.1	15	0.0	0.0	- 8.1	0.0	..	0	- 0.8	8.2	4.8	+0.7	0	0	0	0	2	2	0	0	0	0
UDAIPUR	24.9	+0.7	29.7	25	7.5	-0.3	2.7	15	0.0	0.0	- 5.6	0.0	..	0	- 0.5	3.4	1.8	-0.4	0	0	0	0	0	0	0	0	0	0
JHALAWAR	26.1	+1.0	30.7	13	7.9	-1.5	2.0	15	0.0	2.2	- 11.8	2.2	07	0	- 1.3	9.3	4.9	+1.3	0	1	0	0	1	0	0	0	0	0
BANSWARA	28.4	..	31.2	25	..	..	..	..	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
DUNGARPUR	27.5	..	31.6	26	..	..	..	..	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
MADHYA PRADESH, WEST																												
GWALIOR	23.4	+0.2	31.1	27	6.5	-1.0	2.8	16	1.0	14.0	- 4.8	13.0	07	1	- 0.6	8.4	4.5	+0.8	0	2	0	0	1	1	0	0	0	0
SHEOPUR	24.6	+0.1	29.3	26	8.1	+0.3	4.0	16	4.2	19.0	+ 3.7	14.8	07	2	+ 0.1	7.5	6.2	+0.8	0	2	0	0	2	0	0	0	0	0
SHIVPURI	22.9	..	29.2	27	5.8	..	0.7	15	14.0	30.6	..	16.6	07	2	..	6.6	4.3	..	0	2	0	0	0	0	0	0	0	0
NOWGONG	23.8	-0.5	31.5	27	7.3	-0.4	4.1	21	10.8	18.0	+ 1.7	13.2	08	2	+ 0.6	5.7	3.1	+0.4	0	2	0	0	1	3	0	0	0	0
GUNA	25.3	+0.5	30.0	13	6.6	-1.6	- 0.5	15	1.7	7.0	- 11.0	5.3	07	1	- 0.7	9.9	6.6	+2.2	0	2	0	0	1	1	0	0	0	0
NIMACH	25.5	+0.8	30.0	26	10.4	+0.9	4.2	15	0.0	0.0	- 6.3	0.0	..	0	- 0.5	8.6	6.7	+0.6	0	0	0	0	0	0	0	0	0	0
RAJGARH	26.9	+0.9	31.3	27	8.8	+0.2	3.5	15	0.0	4.6	- 7.7	4.6	07	1	- 0.3	7.1	5.0	-1.0	0	1	0	0	0	0	0	0	0	0
SAGAR	27.8	+3.3	31.3	31	7.4	-4.2	4.5	08	2.0	2.0	- 18.1	2.0	08	0	- 1.8	10.5	11.5	+4.6	0	1	0	0	0	0	0	0	0	0
RATLAM	28.1	+1.8	31.6	26	10.6	-0.4	4.2	15	0.0	0.0	- 8.0	0.0	..	0	- 0.7	11.1	9.5	+1.4	0	0	0	0	0	0	0	0	0	0
BHOPAL(BAIRAGARH)	26.6	+0.9	30.5	13	9.9	-0.5	4.0	15	1.0	5.2	- 11.8	5.0	08	1	- 0.8	9.0	7.7	+1.9	1	1	0	0	2	1	0	0	0	0
UJJAIN	27.2	..	30.4	26	7.8	..	1.6	15	0.0	5.6	..	4.4	07	1	..	8.2	4.7	..	0	2	0	0	0	0	0	0	0	0
NARSINGHPUR	27.4	..	31.4	13	7.7	..	1.4	15	0.0	1.2	..	1.2	07	0	..	5.1	2.5	..	0	1	0	0	0	1	0	0	0	0
HOSHANGABAD	27.9	+1.3	32.9	29	10.6	-2.1	5.6	15	0.0	26.3	+ 11.8	22.2	01	2	+ 0.7	3.3	3.8	-0.4	0	2	0	0	0	0	0	0	0	0
INDORE	27.0	+0.9	30.0	27	9.6	0.0	3.0	30	0.0	12.5	+ 5.4	12.2	07	1	+ 0.4	10.9	8.5	-1.4	0	2	0	0	2	0	0	0	0	0
RAJPUR(JHABUA)	28.8	+0.9	31.5	23	10.6	-0.3	5.4	03	0.0	1.0	- 1.0	1.0	06	0	- 0.1	2.6	0.9	-2.4	0	1	0	0	0	0	0	0	0	0
CHHINDWARA	26.5	+1.0	29.3	27	9.7	-0.9	2.5	15	0.0	4.6	- 16.5	4.2	01	1	- 0.6	..	..	..	0	2	0	0	0	0	0	0	0	0
SEONI	26.8	+1.4	30.2	27	11.4	-0.1	6.1	15	0.0	7.8	- 11.8	7.2	01	1	- 0.6	6.1	4.1	-1.1	0	2	0	0	0	0	0	0	0	0
BETUL	27.0	+0.6	30.4	13	10.6	-0.5	2.5	15	9.2	9.2	+ 1.9	9.2	06	1	+ 0.1	5.7	3.3	-1.4	0	1	0	0	1	0	0	0	0	0
KHANDWA	31.8	+2.5	33.0	20	9.9	-2.1	3.7	16	3.6	27.0	+ 18.4	24.6	05	1	+ 0.3	6.9	5.0	-0.7	0	2	0	0	0	0	0	0	0	0
TIKAMGARH	23.6	..	30.2	27	5.7	..	2.0	12	25.0	32.6	..	27.0	08	2	..	5.2	4.1	..	0	2	0	0	0	1	0	0	0	0
MADHYA PRADESH, EAST																												
SATNA	25.1	+0.4	30.6	27	8.4	-0.6	3.3	16	10.9	12.8	- 9.8	12.5	08	1	- 1.0	6.0	3.6	-0.1	0	2	0	0	0	0	0	0	0	0
REWA	24.5	..	30.4	27	7.8	..	3.4	16	7.0	14.4	..	8.0	08	3	..	7.0	2.2	..	0	3	0	0	1	0	0	0	0	0
SIDHI	24.7	+0.7	30.2	28	8.3	+0.7	3.6	16	2.6	112.6	+ 81.4	110.0	02	2	- 0.2	3.7	2.3	-0.6	0	2	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — JANUARY 1969 (PAUSA 11 - MAGHA 11, 1890 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.3 mm.	Precipitation 0.3 mm. or more	Haze or dust	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST (CONTD.)																												
UMARIA	26.0	+1.0	30.6	27	8.2	-0.8	2.6	15	0.0	0.2	- 30.9	0.2	08	0	- 2.3	6.3	3.4	+0.4	1	0	0	0	0	0	0	0	0	0
JABALPUR	26.8	+0.7	31.1	13	9.8	0.0	4.1	16	0.0	5.7	- 18.7	2.7	02	2	0.0	4.1	2.4	-1.0	0	3	0	0	0	1	0	0	0	0
AMBIKAPUR	24.0	+0.1	28.2	28	7.8	-0.8	3.8	17	1.8	30.4	+ 8.5	23.4	14	2	- 0.2	8.6	6.0	-0.1	0	2	0	1	1	0	0	0	0	0
JASHPURNAGAR	23.8	..	26.2	29	7.4	..	1.7	23	0.0	10.8	..	10.8	14	1	..	7.2	4.1	..	0	1	0	0	0	0	0	0	0	0
PENDRA	24.7	+0.7	28.9	27	11.3	+0.4	6.0	15	6.7	8.1	- 18.8	6.7	02	1	- 1.1	7.5	5.5	+0.2	0	2	0	0	1	3	0	0	0	0
MANDLA	26.4	+0.4	30.4	27	7.8	-1.0	2.2	16	11.2	17.4	- 11.3	12.4	02	2	- 0.7	4.6	2.3	+0.3	0	2	0	0	0	1	0	0	0	0
CHAMPA	27.4	-0.1	30.8	28	12.2	-1.6	8.4	16	0.0	0.0	- 23.2	0.0	..	0	- 1.5	5.8	4.9	+0.4	0	0	0	0	0	0	0	0	0	0
RAIGARH	28.7	+0.3	32.5	28	12.2	-1.4	7.2	16	0.0	0.0	- 18.4	0.0	..	0	- 1.3	5.2	3.3	-0.7	0	0	0	0	0	0	0	0	0	0
RAIPUR	27.9	+0.2	31.2	14	13.2	-0.3	8.5	16	0.5	1.5	- 12.2	1.0	01	0	- 1.1	5.4	3.8	-1.2	0	2	0	0	0	1	0	0	0	0
KANKER	28.4	+0.5	31.5	28	12.7	+0.6	6.6	16	0.0	0.0	- 10.4	0.0	..	0	- 0.8	3.7	3.1	+0.9	0	0	0	0	0	0	0	0	0	0
JAGDALPUR	28.9	+0.4	30.9	13	12.1	+1.1	8.6	17	0.0	0.4	- 9.5	0.4	01	0	- 0.8	..	..	..	0	1	0	0	0	0	0	0	0	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																												
DEESA	27.1	-0.7	30.6	24	7.0	-3.4	3.6	16	0.0	0.0	- 2.5	0.0	..	0	- 0.2	8.7	7.6	..	0	0	0	0	0	0	0	0	0	0
RADHANPUR	28.1	+0.5	32.9	25	10.7	+0.9	5.5	15	0.0	0.0	- 0.1	0.0	..	0	0.0	5.5	5.5	-0.6	0	0	0	0	0	0	0	0	0	0
IDAR	28.7	+1.2	31.6	25	14.3	-0.5	7.4	02	0.0	0.0	- 3.1	0.0	..	0	- 0.3	7.4	5.9	-1.7	0	0	0	0	0	0	0	0	0	0
AHMADABAD	29.3	+0.6	33.1	26	12.4	+0.5	6.4	03	0.0	0.0	- 2.0	0.0	..	0	- 0.2	7.5	4.1	-1.3	0	0	0	0	0	0	0	0	0	0
DOHAD	28.5	+1.6	31.8	26	12.1	0.0	6.5	15	0.0	0.0	- 3.0	0.0	..	0	- 0.4	9.6	8.0	-0.9	0	0	0	0	0	0	0	0	0	0
VALLABH VIDYANAGAR	29.6	..	33.3	25	11.0	..	4.5	15	0.0	0.0	..	0.0	..	0	..	8.0	5.5	..	0	0	0	0	0	5	0	0	0	0
BARODA AERODROME	30.3	+0.7	33.8	23	12.4	-0.3	5.5	03	0.0	0.0	- 1.8	0.0	..	0	- 0.2	10.1	8.9	+1.8	0	0	0	0	0	0	0	0	0	0
BARODA	31.8	+1.7	35.5	23	12.9	+2.1	7.1	03	0.0	0.0	- 2.5	0.0	..	0	- 0.3	5.3	3.9	+0.1	0	0	0	0	0	0	0	0	0	0
BROACH	..	..	..	..	..	..	..	..	..	0.0	- 1.2	0.0	..	0	- 0.1	8.8	6.0	+0.1	0	0	0	0	0	0	0	0	0	0
SURAT	32.4	+1.0	35.4	25	14.5	-0.3	9.3	03	0.0	0.0	- 3.3	0.0	..	0	- 0.2	7.5	5.7	-0.3	0	0	0	0	0	0	0	0	0	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																												
NALIYA	26.9	-0.3	31.6	25	8.3	+0.4	3.9	03	0.0	0.0	- 1.8	0.0	..	0	- 0.4	17.5	12.4	+3.7	0	0	0	0	0	4	0	0	0	0
BHUJ (RUDRAMATA)	27.4	+1.3	32.5	25	10.3	+0.2	5.5	03	0.0	0.0	- 2.0	0.0	..	0	- 0.3	13.6	9.8	+1.9	0	0	0	0	0	0	0	0	0	0
KANDLA AERODROME	27.9	..	31.7	25	12.4	..	6.6	18	0.0	0.0	..	0.0	..	0	..	21.0	19.4	..	0	0	0	0	0	1	0	0	0	0
NEW KANDLA	26.0	+0.6	32.2	25	13.5	-0.4	9.9	03	0.0	0.0	0.0	0.0	..	0	0.0	11.8	11.9	-0.8	0	0	0	0	0	0	0	0	0	0
MANDVI	25.8	+0.2	28.5	20	12.2	-2.0	6.4	14	0.0	0.0	- 1.4	0.0	..	0	- 0.3	16.3	14.5	-0.8	0	0	0	0	0	0	0	0	0	0
SURENDRANAGAR	29.5	+1.3	33.7	25	13.4	+0.5	9.1	04	0.0[b]	0.0[b]	- 0.4	0.0	..	0	0.0	10.1[a]	8.0[a]	-1.5	0	0	0	0	0	0	0	0	0	0
OKHA	24.1	..	26.0	25	18.0	..	15.2	14	0.0	0.0	..	0.0	..	0	..	16.5	18.1	..	0	0	0	0	0	0	0	0	0	0
JAMNAGAR AERODROME	27.1	+0.7	32.0	25	11.1	+0.5	4.6	16	0.0	0.0	- 1.3	0.0	..	0	- 0.1	..	..	..	0	0	0	0	0	0	0	0	0	0
DWARKA	26.2	+0.8	31.6	25	15.6	-0.5	13.3	14	0.0	0.0	- 2.5	0.0	..	0	- 0.3	18.4	14.0	+0.5	0	0	0	0	0	0	0	0	0	0
RAJKOT	28.9	+0.8	33.3	25	11.0	+0.3	5.5	16	..	0.0	- 1.1	0.0	..	0	- 0.1	.	13.9	+0.8	0	0	0	0	0	3	0	0	0	0
BHAUNAGAR AERODROME	28.7	+1.1	32.5	07	12.7	+1.6	6.4	15	0.0	0.0	- 1.4	0.0	..	0	- 0.3	18.3	14.7	+6.3	0	0	0	0	0	0	0	0	0	0
PORBANDER AERODROME	29.7	+1.2	34.0	25	13.3	-2.0	8.7	16	0.0	0.0	- 2.4	0.0	..	0	- 0.3	16.7	12.9	..	0	0	0	0	0	0	0	0	0	0
KESHOD	30.4	+0.4	34.6	25	11.6	-0.2	5.7	14	0.0	0.0	0.0	0.0	..	0	0.0	17.6	13.9	+0.5	0	0	0	0	0	2	0	0	0	0
MAHUVA	31.4	..	43.8	20	10.1	..	5.9	30	0.0	0.0	- 0.7	0.0	..	0	- 0.1	7.5	6.7	..	0	0	0	0	0	0	0	0	0	0
VERAVAL	29.0	+0.4	31.9	10	14.0	-0.3	8.3	15	0.0	0.0	- 1.3	0.0	..	0	- 0.1	16.3	13.6	+1.3	0	0	0	0	0	0	0	0	0	0
DIU	27.8	..	30.0	23	15.9	..	10.2	15	0.0	0.0	..	0.0	..	0	..	12.0	9.4	..	0	0	0	0	0	0	0	0	0	0
KONKAN (INCLUDING GOA)																												
DAHANU	..	..	..	..	16.5	-0.3	12.0	14	0.0[a]	0.0[a]	- 1.8	0.0	..	0	- 0.2	14.5[a]	10.0[b]	-2.1	0	0	0	0	0	0	0	0	0	0
BOMBAY (SANTACRUZ)	31.0	+0.4	34.5	26	16.3	0.0	12.3	02	0.0	0.0	- 0.1	0.0	..	0	0.0	12.0	7.9	-0.4	0	0	0	0	0	0	0	0	0	0
BOMBAY	29.3	+0.2	34.7	25	19.0	-0.4	15.8	03	0.0	0.0	- 4.1	0.0	..	0	- 0.3	10.4	8.6	-0.5	0	0	0	0	0	0	0	0	0	0
ALIBAG	28.5	+0.3	33.4	25	17.4	-0.3	14.7	03	..	0.0	- 2.5	0.0	..	0	- 0.4	.	8.0	+1.6	0	0	0	0	0	0	0	0	0	0
BHIRA	34.8	..	36.5	21	13.6	..	9.3	01	0.0	0.0	..	0.0	..	0	..	3.5	2.1	..	0	0	0	0	0	0	0	0	0	0
HARNAI	28.7	+0.6	33.0	07	22.1	-0.2	19.0	02	..	0.0	- 1.4	0.0	..	0	- 0.2	.	10.8	-2.7	0	0	0	0	0	0	0	0	0	0
RATNAGIRI	31.5	+0.6	34.4	24	18.8	-0.6	15.1	03	0.0	0.0	- 1.8	0.0	..	0	- 0.1	12.4	9.3	..	0	0	0	0	0	0	0	0	0	0
DEVGARH	30.4	+0.1	33.6	24	20.1	-1.0	17.6	03	0.0	0.0	- 1.9	0.0	..	0	- 0.2	16.2	12.6	-0.3	0	0	0	0	0	0	0	0	0	0
VENGURLA	31.8	-0.3	34.7	25	17.3	-1.4	14.2	03	0.0	0.0	- 0.1	0.0	..	0	0.0	9.9	5.8	..	0	0	0	0	0	0	0	0	0	0
PANJIM	31.9	..	34.5	25	19.4	..	16.9	03	0.0	0.0	..	0.0	..	0	..	13.5	11.3	..	0	0	0	0	0	0	0	0	0	0
MORMUGAO	30.2	+0.5	34.2	24	21.2	-0.2	18.8	02	0.0	0.0	- 1.8	0.0	..	0	- 0.1	12.3	10.6	0.0	0	0	0	0	0	0	0	0	0	0
DABOLIM (NAVAL AIR STN.)	..	..	..	..	..	..	..	..	0.0	0.0	..	0.0	..	0	..	9.4	6.7	..	0	0	0	0	0	0	0	0	0	0
MADHYA MAHARASHTRA																												
NANDURBAR	31.1	+0.8	33.6	26	15.8	-0.4	10.1	14	0.0	0.0	- 6.8	0.0	..	0	- 0.4	..	..	..	0	0	0	0	0	0	0	0	0	0
JALGAON	31.5	+0.9	33.7	13	12.7	0.0	6.4	14	0.0	0.0	- 7.9	0.0	..	0	- 0.6	11.4	9.5	+1.9	0	0	0	0	0	0	0	0	0	0
MALEGAON	30.8	+0.7	34.4	31	10.1	-1.4	5.0	14	0.0	0.0	- 4.6	0.0	..	0	- 0.4	6.8	5.2	0.0	0	0	0	0	0	0	0	0	0	0
OZAR	29.6	..	31.9	13	10.0	..	4.0	14	0.0	0.0	..	0.0	..	0	..	9.7	6.9	..	0	0	0	0	0	0	0	0	0	0
AHMADNAGAR	31.4	+1.9	33.5	13	12.0	-0.5	8.2	02	0.0	0.0	- 7.1	0.0	..	0	- 0.5	8.6	5.5	-0.1	0	0	0	0	0	0	0	0	0	0
CHANDALA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
POONA AERODROME	30.2	..	32.2	13	12.7	..	7.7	02	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – JANUARY 1969 PAUSA 11 – MAGHA 11, 1890 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena – No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD)																												
POONA	30.2	+0.7	32.1	12	9.9	-0.8	5.6	01	0.0	0.0	- 2.5	0.0	..	0	0.3	4.7	2.3	..	0	0	0	0	0	0	0	0	0	0
JEUR	30.1	-0.5	33.4	12	12.0	-1.4	7.7	03	0.0	0.0	- 0.1	0.0	..	0	0.0	8.8	5.1	-0.8	0	0	0	0	0	0	0	0	0	0
BARAMATI	31.0	+0.4	32.7	12	13.1	-0.9	9.8	02	0.0	0.0	0.0	0.0	..	0	0.0	7.2	5.7	-1.0	0	0	0	0	0	0	0	0	0	0
SHOLAPUR	30.7	-0.1	33.0	13	15.3	-0.5	12.4	02	0.0	0.0	- 5.8	0.0	..	0	- 0.3	9.8	7.4	-0.4	0	0	0	0	0	0	0	0	0	0
MIRAJ	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
KOLHAPUR	30.9	+0.2	33.5	13	14.1	-0.9	10.2	01	0.0	0.0	- 2.5	0.0	..	0	- 0.4	9.5	6.2	-1.7	0	0	0	0	0	0	0	0	0	0
NASIK	30.9	..	32.4	31	..	..	..	..	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
SANGLI	30.9	..	32.1	14	12.7	..	8.6	01	0.0	0.0	..	0.0	..	0	..	8.8	5.6	..	0	0	0	0	0	0	0	0	0	0
MARATHWADA																												
AURANGABAD	29.9	+0.6	32.4	13	14.3	0.0	9.6	15	0.0	0.0	- 7.4	0.0	..	0	- 0.6	6.8	5.9	-1.9	0	0	0	0	0	0	0	0	0	0
AURANGABAD (CHIKALTHANA)	29.1	0.0	31.6	13	8.7	-1.8	3.6	15	0.0	0.0	- 1.2	0.0	..	0	- 0.3	8.8	6.2	-0.1	0	0	0	0	0	0	0	0	0	0
PARBHANI	30.7	+0.5	33.4	13	13.9	+0.2	10.5	15	0.0	0.0	- 9.1	0.0	..	0	- 0.7	6.8	5.7	+0.5	0	0	0	0	0	0	0	0	0	0
NANDED	31.6	..	34.6	13	13.7	..	9.2	15	..	0.0	..	0.0	..	0	..	.	3.5	..	0	0	0	0	0	0	0	0	0	0
BIR	30.4	..	32.6	27	12.2	..	7.5	15	0.0	0.0	..	0.0	..	0	..	.	1.9	..	0	0	0	0	0	0	0	0	0	0
VIDARBHA																												
GONDIA	28.3	+0.7	31.3	27	13.1	-0.2	8.0	16	0.0	0.0	- 21.1	0.0	..	0	- 1.5	1.7	1.4	-1.5	0	0	0	0	0	1	0	0	0	0
NAGPUR (SONEGAON)	29.4	+0.8	32.6	14	14.9	+2.2	7.3	15	0.0	0.0	- 11.4	0.0	..	0	- 0.9	8.3	7.5	..	0	1	0	0	0	1	0	0	0	0
AMRAOTI	29.8	+0.9	33.0	13	15.7	+0.2	9.4	15	0.0	0.0	- 12.9	0.0	..	0	- 1.1	9.2	9.4	+0.8	0	0	0	0	0	2	0	0	0	0
AKOLA AERODROME	30.9	..	34.3	13	11.7	..	4.9	15	0.0	6.2	..	6.2	05	1	..	9.7	8.5	..	0	1	0	0	1	1	0	0	0	0
AKOLA	30.8	+0.6	34.4	13	13.9	+0.2	7.2	15	0.0	6.8	- 3.9	6.8	05	1	+ 0.1	6.1	3.9	-1.5	0	1	0	0	0	0	0	0	0	0
BRAMHAPURI	29.3	+0.8	32.2	14	13.3	-0.7	6.0	16	0.6	3.6	- 11.2	3.0	01	1	0.0	6.3	3.8	+0.1	0	2	0	0	0	0	0	0	0	0
BULDANA	28.2	+0.8	31.7	13	15.6	+0.2	10.0	15	0.0	0.0	- 7.7	0.0	..	0	- 0.5	8.6	7.5	-0.8	0	0	0	0	0	0	0	0	0	0
YEOTMAL	29.8	+1.1	33.1	13	15.6	0.0	11.9	15	0.0	0.0	- 10.9	0.0	..	0	- 0.7	8.8	7.3	-1.6	0	0	0	0	0	1	0	0	0	0
CHANDRAPUR	31.2	+1.7	34.3	14	14.1	+0.4	7.0	16	0.0	0.0	- 7.6	0.0	..	0	- 0.6	6.7	4.5	+1.1	0	0	0	0	0	1	0	0	0	0
PUSAD	31.2	..	33.4	13	6.2	..	1.1	17	0.0	0.0	..	0.0	..	0	..	4.9	3.6	..	0	0	0	0	0	0	0	0	0	0
SIRONCHA	31.0	+0.7	33.4	12	15.4	-0.1	9.5	16	0.0	9.6	+ 7.9	8.4	01	1	+ 0.6	5.2	3.0	-0.7	0	2	0	0	0	0	0	0	0	0
WARDHA	30.2	..	32.6	11	13.2	..	8.4	15	0.0	0.0	..	0.0	..	0	..	5.9	5.1	..	0	0	0	0	0	0	0	0	0	0
BHANDARA	28.5	..	32.5	14	14.0	..	8.6	15	0.0	0.0	..	0.0	..	0	..	6.0	5.2	..	0	0	0	0	0	0	0	0	0	0
COASTAL ANDHRA PRADESH																												
KALINGAPATAM	27.6	+0.2	29.8	13	16.1	-1.6	13.4	20	0.0	0.0	- 5.3	0.0	..	0	- 0.6	12.7 b	8.3 b	-1.3	0	0	0	0	0	0	0	0	0	0
VISHAKHAPATNAM	29.6	+1.9	32.0	12	18.0	+0.5	14.8	25	0.0	0.0	- 10.4	0.0	..	0	- 0.6	17.3	8.5	+2.2	0	0	0	0	0	2	0	0	0	0
KAKINADA	29.1	+1.8	31.5	14	18.8	-0.3	16.7	20	0.0	0.0	- 8.1	0.0	..	0	- 0.6	11.8	8.4	-1.9	0	0	0	0	0	0	0	0	0	0
NIDADAVOLE	30.4	+0.6	33.5	31	17.8	0.0	15.8	21	0.0	0.0	- 2.5	0.0	..	0	- 0.3	8.8	5.8	-0.9	0	0	0	0	0	0	0	0	0	0
RENTACHINTALA	31.3	+0.1	34.0	31	17.6	+0.3	15.0	24	0.0	0.0	- 0.5	0.0	..	0	- 0.1	3.7	3.6	-1.4	0	0	0	0	0	0	0	0	0	0
GANNAVARAM	30.2	+0.1	32.8	31	17.6	-1.5	15.5	27	0.0	0.0	- 0.8	0.0	..	0	- 0.1	11.5	7.8	-2.0	0	0	0	0	0	0	0	0	0	0
MASULIPATAM	28.3	+0.5	32.2	31	17.8	-1.6	15.6	28	0.0	0.0	- 5.1	0.0	..	0	- 0.4	4.9 c	3.4 d	-5.3	0	0	0	0	0	0	0	0	0	0
ONGOLE	30.3	+1.6	34.4	31	19.5	-0.2	17.6	19	0.0	0.0	- 3.8	0.0	..	0	- 0.2	7.3	5.7	+0.7	0	0	0	0	0	0	0	0	0	0
NELLORE	30.3	+0.5	33.4	31	19.8	-0.2	17.6	27	0.0	0.0	- 32.0	0.0	..	0	- 1.4	..	..	..	0	0	0	0	0	0	0	0	0	0
TELANGANA																												
KHAMMAM	31.1	0.0	34.6	12	15.5	-0.6	10.6	16	0.0	14.6	+ 12.6	14.6	01	1	+ 0.7	6.3	3.4	-1.6	0	1	0	0	0	0	0	0	0	0
NIZAMABAD	31.2	+1.2	34.4	13	15.1	-0.2	11.0	16	0.0	2.6	- 4.3	1.4	01	0	- 0.5	6.5	4.9	+0.8	0	2	0	0	0	0	0	0	0	0
HANAMKONDA	30.4	+0.5	32.7	12	17.1	-0.1	12.8	16	0.0	0.0	- 8.6	0.0	..	0	- 0.6	8.3	6.4	-0.8	0	0	0	0	0	0	0	0	0	0
RAMAGUNDAM AERODROME	28.4	..	31.3	31	16.2	..	12.6	20	0.0	9.7	..	9.7	01	1	..	..	..	..	0	1	0	0	0	4	0	0	0	0
BHADRACHALAM	31.9	+1.0	34.0	12	16.9	+0.2	14.0	30	0.0	0.0	- 2.6	0.0	..	0	- 0.4	5.0	3.2	-1.9	0	0	0	0	0	0	0	0	0	0
HYDERABAD (BEGAMPET)	29.3	+0.7	32.0	12	14.1	-0.5	11.1	16	0.0	7.3	- 0.3	7.3	01	1	+ 0.5	9.8	6.7	-1.4	0	1	0	0	0	4	0	0	0	0
KHANMAM	31.4	+0.4	33.6	12	17.9	+0.3	15.3	21	0.0	2.0	+ 0.3	2.0	01	0	- 0.2	4.1	3.5	-2.1	0	1	0	0	0	13	0	0	0	0
MAHBUBNAGAR	29.3	+0.1	31.6	30	15.5	-0.9	12.4	26	0.0	0.0	0.0	0.0	..	0	0.0	11.6	6.2	-3.1	0	0	0	0	0	0	0	0	0	0
RAYALASEEMA																												
KURNOOL	31.9	+0.6	35.0	31	16.9	-0.1	13.4	24	0.0	0.0	- 4.1	0.0	..	0	- 0.3	6.3	3.8	-2.3	0	0	0	0	0	0	0	0	0	0
NANDYEL	32.0	..	34.0	12	17.1	..	14.5	08	0.0	0.0	..	0.0	..	0	..	6.9	5.4	..	0	0	0	0	0	0	0	0	0	0
ANANTAPUR	30.2	-0.2	32.7	31	16.2	-1.1	13.1	26	0.0	0.0	- 4.8	0.0	..	0	- 0.2	10.2	9.4	-0.6	0	0	0	0	0	0	0	0	0	0
CUDDAPAH	31.4	+0.5	34.6	31	18.1	-1.1	15.7	28	0.0	0.0	- 11.4	0.0	..	0	- 0.8	..	..	..	0	0	0	0	0	0	0	0	0	0
AROGYAVARAM	27.4	+0.3	29.8	16	14.0	-1.3	11.0	28	0.0	0.0	- 7.0	0.0	..	0	- 0.8	9.8	5.9	0.0	0	0	0	0	0	1	0	0	0	0
TAMIL NADU (INCLUDING PONDICHERRY)																												
MADRAS	28.2	-0.1	31.3	31	19.9	-0.9	15.6	27	0.0	0.2	- 31.5	0.2	22	0	- 1.4	10.1	6.4	+0.2	1	0	0	0	0	0	0	0	0	0
MADRAS (MINAMBAKKAM)	28.9	+0.1	31.8	31	19.4	-0.9	15.7	27	0.0	1.4	- 44.1	1.4	22	0	- 2.1	11.1	7.5	-1.5	0	1	0	0	0	2	0	0	0	0
VELLORE	30.1	+1.2	32.0	31	17.0	-1.2	13.4	27	0.0	0.0	- 34.5	0.0	..	0	- 1.9	10.0	7.7	+1.3	0	0	0	0	0	0	0	0	0	0
TAMBARAM AERODROME	31.6	..	35.6	31	18.7	..	15.0	27	0.0	0.8	..	0.8	22	0	..	..	..	..	0	1	0	0	0	0	0	0	0	0
TIRUPPATTUR	29.7	+0.2	31.2	15	16.7	-0.6	12.0	15	0.0	0.0	- 2.1	0.0	..	0	- 0.2	7.7	4.2	-0.1	0	0	0	0	0	0	0	0	0	0
METTUR DAM R.S.	31.9	..	33.7	16	19.8	..	17.5	28	0.0	0.0	..	0.0	..	0	..	7.0	5.9	..	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JANUARY ,1969 (PAUSA 11 - MAGHA 11,1890 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Duststorm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
TAMIL NADU(INCLUDING PONDICHERRY)																												
CUDDALORE	28.2	+0.3	29.5	02	19.4	-1.4	15.7	28	0.0	0.0	- 66.3	0.0	...	0	- 2.8	12.7	9.3	-1.1	0	0	0	0	0	0	0	0	0	0
KALLAKKURICHCHI	30.2	+0.3	31.8	31	19.7	-0.8	16.2	27	0.0	0.0	- 15.4	0.0	..	0	- 1.3	10.3	7.3	..	0	0	0	0	0	0	0	0	0	0
SALEM	32.0	+0.9	34.3	31	19.1	-0.1	15.6	27	0.0	0.0	- 10.2	0.0	..	0	- 0.9	10.8	11.9	+1.7	0	0	0	0	0	0	0	0	0	0
COIMBATORE(PILAMEDU)	30.5	+0.5	31.8	31	18.1	-0.5	15.4	27	0.0	0.0	- 5.5	0.0	..	0	- 0.5	16.3	13.1	+2.8	0	0	0	0	0	0	0	0	0	0
COIMBATORE	30.8	+1.1	32.3	15	18.9	-0.3	15.9	12	..	0.0	- 17.8	0.0	..	0	- 1.3	.	5.5	-1.0	0	0	0	0	0	0	0	0	0	0
NAGAPATTINAM	28.0	+0.3	29.2	05	22.0	-0.8	18.4	27	2.5	7.0	- 75.8	4.0	05	1	- 2.6	18.8	18.9	+0.1	0	4	0	0	0	0	0	0	0	0
TIRUCHCHIRAPPALLI	30.6	+0.5	32.3	31	19.5	-1.1	15.8	27	0.0	0.3	- 30.9	0.3	06	0	- 2.1	12.2	8.7	-1.4	0	1	0	0	0	1	0	0	0	0
VEDARANNIYAM	30.6	..	31.8	01	19.8	..	15.5	30	1.8	24.1	..	12.4	05	3	..	12.0	8.6	..	0	3	0	0	0	0	0	0	0	0
ATIRAMPATTINAM	29.8	..	30.6	01	20.3	..	16.6	27	1.4	1.4	..	1.4	18	0	..	12.5	8.7	..	0	1	0	0	0	0	0	0	0	0
MADURAI	30.8	+0.6	32.0	31	18.9	-2.0	15.9	27	..	0.0	- 31.0	0.0	..	0	- 1.9	.	8.6	+1.3	0	0	0	0	0	0	0	0	0	0
MADURAI AERODROME	30.7	+0.4	32.1	30	19.4	-1.3	16.3	12	0.8	0.8	+ 30.6	0.8	06	0	- 2.4	16.5	9.9	-2.4	0	1	0	0	0	0	0	0	0	0
TONDI	29.1	-0.1	30.6	11	20.3	-1.6	17.1	27	4.0	4.0	- 80.1	4.0	06	1	- 3.5	19.4	15.6	+0.6	0	1	0	0	0	0	0	0	0	0
PAMBAN	28.7	+0.7	30.1	04	22.5	-1.5	19.0	29	1.8	12.5	- 59.4	6.5	05	2	- 2.2	..	..	..	2	5	0	0	0	0	0	0	0	0
TUTICORIN	27.9	+0.3	29.2	06	20.7	-1.6	18.8	19	0.0	2.4	- 14.1	2.4	06	0	- 1.7	24.5	22.5	+0.2	0	1	0	0	0	0	0	0	0	0
PALAYANKOTTAI	31.4	+0.7	33.0	31	22.2	-0.1	20.1	27	2.0	4.2	- 40.8	2.6	15	1	- 1.6	11.6	8.5	-0.7	0	2	0	0	0	0	0	0	0	0
KANNIYAKUMARI	31.5	..	32.8	13	23.3	..	21.4	27	0.0	0.0	..	0.0	..	0	..	27.8	23.7	..	0	0	0	0	0	0	0	0	0	0
PONDICHERRY	28.2	..	29.7	22	20.2	..	17.1	27	..	0.3	..	0.3	22	0	..	.	19.4	..	0	1	0	0	0	0	0	0	0	0
PORTNOVO	(R)																											
TUTICORIN H.P.	(R)																											
COASTAL MYSORE																												
KARWAR	31.7	+1.2	34.4	23	17.9	-1.0	15.7	02	0.0	0.0	- 0.9	0.0	..	0	- 0.1	5.6	3.6	..	0	0	0	0	0	0	0	0	0	0
HONAVAR	32.6	+0.7	36.0	26	20.0	0.0	16.7	27	0.0	0.0	- 3.6	0.0	..	0	- 0.5	..	..	..	0	0	0	0	0	0	0	0	0	0
MANGALORE(BAJPE)	32.9	+0.4	34.6	09	20.7	-0.3	18.7	11	0.0	0.0	- 0.7	0.0	..	0	- 0.1	9.7	6.1	-1.7	0	0	0	0	0	0	0	0	0	0
MANGALORE	31.8	+0.4	33.8	09	21.8	+0.1	20.0	17	0.0	0.0	- 4.8	0.0	..	0	- 0.3	10.9	8.8	+0.3	0	0	0	0	0	0	0	0	0	0
INTERIOR MYSORE NORTH																												
BIDAR	28.6	+0.3	31.2	31	17.5	+1.0	14.2	19	0.0	0.0	- 5.6	0.0	..	0	- 0.5	12.5	10.1	-0.5	0	0	0	0	0	0	0	0	0	0
GULBARGA	30.1	-0.3	33.0	13	15.0	-1.0	0.5	29	0.0	0.0	- 6.1	0.0	..	0	- 0.3	10.5	6.5	-2.6	0	0	0	0	0	0	0	0	0	0
BIJAPUR	30.7	+0.5	32.9	14	16.4	+0.2	14.4	26	0.0	0.0	- 5.8	0.0	..	0	- 0.3	6.5	4.6	-0.4	0	0	0	0	0	0	0	0	0	0
RAICHUR	28.9	-1.3	31.0	13	18.2	-0.3	15.7	29	0.0	0.0	- 3.1	0.0	..	0	- 0.2	9.6	9.1	-0.5	0	0	0	0	0	0	0	0	0	0
BELGAUM	30.7	+0.6	32.6	13	13.3	-0.7	10.0	02	0.0	0.0	- 3.6	0.0	..	0	- 0.3	7.7	3.7	-2.7	0	0	0	0	0	0	0	0	0	0
BELGAUM(SAMRA)	29.0	0.0	30.8	14	14.1	-1.1	9.7	02	0.0	0.0	- 0.3	0.0	..	0	0.0	10.2	5.6	-5.8	0	0	0	0	0	0	0	0	0	0
GADAG	30.2	-0.1	32.0	04	16.1	-0.6	14.0	27	0.0	0.0	- 2.8	0.0	..	0	- 0.5	9.2	7.0	-0.5	0	0	0	0	0	0	0	0	0	0
INTERIOR MYSORE, SOUTH																												
BELLARY	31.6	+1.3	34.2	19	16.7	-0.9	13.3	26	0.0	0.0	- 2.8	0.0	..	0	- 0.3	7.9	4.5	-0.4	0	0	0	0	0	0	0	0	0	0
CHITRADURGA	28.9	0.0	31.3	01	16.5	-0.6	14.2	26	0.0	0.0	- 6.1	0.0	..	0	- 0.3	8.7	6.5	-1.3	0	0	0	0	0	0	0	0	0	0
SHIMOGA	..	..	..	..	..	..	..	..	0.0	0.0	- 0.1	0.0	..	0	0.0	7.4	3.6	-0.5	0	0	0	0	0	23	0	0	0	0
AGUMBE	28.5	..	31.0	17	12.7	..	8.0	27	..	0.0	..	0.0	..	0	..	.	4.4	..	0	0	0	0	0	0	0	0	0	0
BALEHONNUR	29.5	+2.2	32.8	16	14.4	-0.4	11.1	26	..	0.0	- 2.0	0.0	..	0	- 0.3	..	..	..	0	0	0	0	0	1	0	0	0	0
HASSAN	..	..	..	..	..	..	..	..	0.0	0.0	- 4.3	0.0	..	0	- 0.3	8.7	4.6	-1.2	0	0	0	0	0	0	0	0	0	0
BANGALORE	27.4	+0.5	29.4	15	14.6	-0.4	12.5	13	0.0	0.0	- 7.1	0.0	..	0	- 0.7	13.4	10.8	+0.4	0	0	0	0	0	0	0	0	0	0
BANGALORE AERODROME	27.4	-0.6	29.7	16	13.5	-1.8	10.8	08	0.0	0.0	- 3.6	0.0	..	0	- 0.3	12.8	10.1	..	0	0	0	0	0	0	0	0	0	0
MYSORE	27.6	-0.7	29.0	16	16.4	0.0	14.1	11	0.0	0.0	- 4.3	0.0	..	0	- 0.4	18.1	10.9	-0.4	0	0	0	0	0	0	0	0	0	0
KERALA																												
CALICUT	32.0	+0.3	33.1	24	21.9	-0.1	13.8	24	0.0	0.0	- 11.7	0.0	..	0	- 0.7	9.0	6.6	-2.8	0	0	0	0	0	0	0	0	0	0
PALGHAT	34.0	+0.5	35.4	12	21.9	-0.4	19.0	27	0.0	0.0	- 5.7	0.0	..	0	- 0.4	13.1	9.9	-1.4	0	0	0	0	0	0	0	0	0	0
FORT COCHIN	31.3	+0.7	32.1	05	22.1	-1.1	20.4	11	0.0	12.8	- 10.6	12.8	02	1	- 0.1	13.0	9.5	+1.5	0	1	0	0	1	0	0	0	0	0
COCHIN(NAVAL AIR STATION)	31.7	..	32.9	09	22.0	..	20.2	13	0.0	0.7	..	0.7	02	0	..	11.6	8.2	..	0	1	0	0	2	0	0	0	0	0
ALLEPPEY	32.0	+0.1	33.7	09	22.8	+0.2	21.4	19	0.0	41.6	+ 26.5	41.6	01	1	- 0.4	14.4	9.7	+0.4	0	1	0	0	0	0	0	0	0	0
PUNALUR	34.3	+0.9	36.8	31	19.7	-0.9	16.0	12	0.0	16.4	+ 3.4	16.4	02	1	- 0.1	7.8	5.7	+0.4	0	1	0	0	0	0	0	0	0	0
TRIVANDRUM	31.6	+0.3	33.4	06	22.4	+0.1	20.4	12	0.0	0.0	- 22.9	0.0	..	0	- 2.0	7.2	5.5	+0.4	0	0	0	0	1	0	0	0	0	0
TRIVANDRUM AERODROME	30.9	+0.2	32.1	15	22.2	+0.4	20.3	20	..	0.0	- 28.8	0.0	..	0	- 1.6	.	4.8	-1.4	0	0	0	0	2	0	0	0	0	0
ARABIAN SEA ISLANDS																												
AMINI	30.5	-0.9	31.4	20	23.6	-0.3	21.2	28	22.6	24.9	+ 4.3	22.6	02	1	- 0.3	9.1	7.2	+1.3	0	2	0	0	0	0	0	0	0	0
AGATTI	..	..	..	..	..	..	..	..	1.9	72.4	..	69.7	01	2	..	3.7	2.6	..	0	2	0	0	1	0	0	0	0	0
ANDROTH	31.0	..	31.7	24	23.7	..	21.2	28	10.1	20.6	..	20.6	02	1	..	3.4	2.9	..	0	1	0	0	0	0	0	0	0	0
MINICOY	30.3	+0.7	31.5	01	22.0	-0.7	19.4	28	0.0	1.9	- 41.3	1.5	02	0	- 2.6	6.4	3.9	-2.5	0	2	0	0	2	0	0	0	0	0
HILL STATIONS(EXCLUDING KASHMIR)																												
DALHOUSIE	12.1	+1.2	18.1	02	2.7	+0.6	- 0.7	14	..	0.0	-195.6	0.0	..	0	- 7.2	..	..	..	0	0	0	0	0	0	0	0	0	0
DHARMASALA	15.4	+1.0	19.4	25	5.1	-1.4	0.0	14	28.4	75.1	- 68.1	23.8	27	4	- 3.7	4.9	4.2	-0.6	1	5	0	0	1	0	1	0	0	0
BHUNTAR	13.8	..	18.6	24	1.4	..	- 1.7	05	22.0	68.9	..	15.2	27	7	..	.	3.8	..	1	9	0	0	2	0	0	0	0	0
SIMLA	8.9	+0.4	13.6	26	1.2	-0.7	- 5.3	14	10.1	17.8	- 47.0	6.5	14	3	- 1.9	4.7	4.1	+0.2	1	5	0	0	0	0	0	0	0	0
DHARMPUR	..	..	..	..	..	..	..	..	..	40.8	- 50.6	20.2	27	3	- 2.0	..	..	..	0	3	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JANUARY 1969 (PAUSA 11 - MAGHA 11, 1890 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Duststorm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
HILL STATIONS(EXCLUDING KASHMIR)																												
GHANGARIA (KANJALIA TUK)	1.3	..	3.7	30	5.2	..	- 7.4	03	..	249.4	..	45.4	02	9	..	..	..	..	0	9	8	0	0	0	0	0	0	0
BADRINATH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
JOSHIMATH	10.5	-1.1	16.0	22	1.8	-0.2	- 0.2	02	45.2	132.2	+ 59.1	39.0	28	8	+ 3.8	5.7	6.9	+0.6	0	8	3	0	0	0	0	0	0	0
MUSSOORIE	10.9	+0.7	17.3	26	1.4	-1.1	0.0	14	8.6	21.0	- 58.6	7.2	13	3	- 1.9	7.4	6.1	-0.6	0	5	0	0	1	0	0	0	0	0
MUKTESWAR(KUMAON)	10.4	+0.7	15.2	22	1.0	-0.9	- 6.0	14	21.9	61.1	+ 4.2	26.6	13	6	+ 2.3	11.0	11.6	+0.6	0	8	10	0	1	0	0	0	0	0
NAINITAL	10.8	+0.5	15.0	27	1.8	+0.2	- 4.0	14	23.0	80.0	- 37.5	28.0	13	4	- 2.5	9.3	7.1	0.0	0	5	5	0	0	0	0	0	0	0
KALIMPONG	13.4	-2.1	14.8	31	1.7	-6.1	0.6	17	..	9.5	- 0.4	8.5	15	1	+ 0.1	.	6.4	-2.2	0	2	0	0	0	0	0	0	0	0
DARJEELING	11.7	+2.4	15.1	23	0.8	-2.2	0.0	02	0.8	1.1	- 9.8	0.8	15	0	- 1.0	2.2	1.7	-0.2	0	2	1	0	0	3	0	0	0	0
KOHIMA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SHILLONG(C.S.O.)	15.0	-0.5	18.3	23	5.5	+1.9	2.4	15	..	8.6	- 5.4	5.0	14	2	+ 0.7	.	4.0	+1.4	0	4	0	1	0	5	0	0	0	0
CHERRAPUNJI	15.8	0.0	20.0	23	8.4	+0.8	5.0	12	..	20.0	+ 0.7	11.0	15	3	+ 1.6	..	..	..	0	4	0	0	0	0	0	0	0	0
ABU	20.3	+1.0	23.8	06	7.8	-1.5	4.6	16	0.0	0.8	- 4.5	0.8	07	0	- 0.6	2.7	4.0	-1.0	0	1	0	0	0	0	0	0	0	0
AIJAL	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
PACHMARHI	22.4	0.0	28.4	12	8.4	-0.3	1.0	15	0.6	0.6	- 21.5	0.6	06	0	- 1.7	4.8	2.9	-0.4	0	1	0	0	0	0	0	0	0	0
MAHABALESHWAR	25.9	+1.9	28.2	13	12.9	-0.9	8.7	01	0.0	0.0	- 4.6	0.0	..	0	- 0.3	8.9	8.9	+1.2	0	0	0	0	0	0	0	0	0	0
MERGARA	26.0	+1.4	28.0	16	11.8	-2.4	10.0	26	0.0	0.0	- 6.1	0.0	..	0	- 0.6	12.6	10.8	+1.2	0	0	0	0	0	3	0	0	0	0
OOTACAMUND	21.0	+1.1	23.3	21	5.1	0.0	2.0	28	0.0	8.8	- 26.3	8.8	03	1	- 1.0	2.5	1.6	-1.6	0	1	0	0	0	0	0	0	0	0
COONOOR	20.4	+1.6	22.1	14	6.1	-2.4	3.1	27	..	0.6	- 90.3	0.4	03	0	- 3.3	..	..	..	1	1	0	0	0	0	0	0	0	0
KODAIKANAL	17.9	+0.9	21.0	20	8.1	+0.1	4.7	28	0.0	21.3	- 60.7	20.0	24	1	- 2.9	12.2	12.3	-0.8	1	2	0	0	0	2	0	0	0	0
MANALI	..	..	..	..	..	..	..	..	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
NEPAL																												
KATMANDU	18.8	+1.0	22.4	28	1.6	-0.3	- 1.1	05	..	9.7	- 4.8	9.2	14	1	- 0.7	.	1.3	0.0	0	2	0	0	2	13	0	0	0	0
SIKKIM																												
LACHEN	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
HYDROMETEOROLOGICAL OBSERVATORIES																												
DAMODAR CATCHMENT																												
TILAIYA	22.9	..	29.0	28	8.0	..	3.6	22	2.0	6.4	..	6.4	14	1	..	10.2	4.2	..	0	1	0	0	0	0	0	0	0	0
HAZARIBAGH	22.0	..	27.6	28	7.4	..	2.9	16	0.0	2.0	..	1.0	02	0	..	.	4.4	..	0	2	0	0	0	1	0	0	0	0
KONAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BOKARO	26.2	..	31.0	29	9.9	..	7.1	16	0.0	5.6	..	5.6	14	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0
MAITHON	26.2	..	30.9	28	7.4	..	4.0	16	0.0	3.8	..	3.8	14	1	..	..	..	..	0	1	0	0	1	0	0	0	0	0
RAMGARH	26.2	..	31.0	27	3.9	..	1.4	17	0.0	4.0	..	4.0	14	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0
PANCHET HILLS	25.6	..	30.5	29	10.8	..	7.7	22	0.0	4.0	..	4.0	14	1	..	4.5	2.5	..	0	1	0	0	0	0	0	0	0	0
DURGAPUR	28.0	..	29.0	06	9.3	..	7.0	16	0.0	0.0	..	0.0	..	0	..	13.5	11.7	..	0	0	0	0	0	0	0	0	0	0
MAHANADI CATCHMENT																												
GINABAHAR	26.1	..	30.1	29	7.4	..	3.1	16	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
HIRAKUD	28.0	..	31.4	28	13.5	..	8.3	16	0.0	30.0	..	30.0	16	1	..	4.6	2.7	..	0	1	0	0	0	0	0	0	0	0
BHIMKUND	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SONEPUR	28.5	..	32.5	30	13.5	..	10.1	24	..	0.0	..	0.0	..	0	..	.	3.2	..	0	0	0	0	0	0	0	0	0	0
KHIJRAWAN	28.1	..	31.1	14	12.5	..	5.6	16	8.4	8.4	..	8.4	02	1	..	6.9	4.8	..	0	1	0	0	0	0	0	0	0	0
NARMADA CATCHMENT																												
BAGRA TAWA	27.2	..	32.0	13	9.8	..	3.3	15	0.6	0.8	..	0.6	06	0	..	6.9	5.0	..	1	1	0	0	0	0	0	0	0	0
PUNASA	29.5	..	34.1	24	10.5	..	4.7	15	0.0	9.4	..	9.4	06	1	..	3.3	2.5	..	0	1	0	0	0	0	0	0	0	0
THIKRI	30.6	..	32.9	27	10.7	..	5.3	19	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
SABARMATI CATCHMENT																												
DAROI	28.3	..	31.8	25	12.4	..	7.0	15	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
JHARDL	27.9	..	30.0	27	3.2	..	0.7	05	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
GANDAK CATCHMENT																												
JAMOSUM	11.0	..	16.3	26	2.4	..	- 5.4	03	0.0	2.0	..	2.0	08	0	..	..	..	..	0	1	0	0	0	0	0	0	0	0
KHUDI BAZAR	18.3	..	20.9	09	7.2	..	4.5	15	16.2	41.2	..	20.8	14	2	..	..	..	..	0	5	0	0	0	0	0	0	0	0
TIMURE	15.0	..	17.7	06	3.5	..	0.3	18	4.2	24.6	..	15.2	14	2	..	..	..	..	0	3	0	0	0	0	0	0	0	0
POKHARA	18.8	..	21.5	29	7.8	..	3.2	15	4.4	9.7	..	9.6	14	1	..	5.8	4.6	..	1	1	0	0	3	0	0	0	0	0
GORKHA	17.8	..	20.1	09	6.8	..	3.7	15	4.4	11.0	..	8.6	14	1	..	..	..	..	1	2	0	0	3	2	0	0	0	0
NUWAKUT	20.0	..	22.1	27	9.3	..	5.0	15	3.0	8.0	..	3.0	14	2	..	..	..	..	0	3	0	0	0	0	0	0	0	0
GHAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																												
DAILEKH	14.8	..	17.5	31	5.2	..	0.0	14	5.4	54.5	..	41.9	14	2	..	..	..	..	0	4	0	0	0	0	0	0	0	0
GHAGHARA CATCHMENT																												
SALLYANA	16.1	..	18.4	31	5.9	..	0.3	14	8.5	34.9	..	28.7	14	2	..	..	..	..	0	2	0	0	0	0	0	0	0	0
BUTWAL	22.6	..	25.2	29	11.4	..	5.4	15	..	7.2	..	7.2	14	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JANUARY 1969 (PAUSA 11 - MAGHA 11, 1890 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.5 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
BAGHMATI CATCHMENT																												
KATMANDU	SEE UNDER NEPAL				..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
KOSI CATCHMENT																												
CHAUTARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
WALUNGCHUNG GOLA	5.3	..	9.9	22	3.2	..	8.2	15	0.8	32.3	..	11.9	14	4	..	..	..	..	0	8	0	0	0	0	0	0	0	0
TAPLETHOK	19.7	..	21.7	08	6.5	..	3.3	16	11.7	11.7	..	6.9	15	2	..	..	..	..	0	3	0	0	0	0	0	0	0	0
BHOJPUR	13.0	..	16.4	08	6.4	..	3.3	15	..	5.6	..	2.2	14	0	..	..	..	..	0	2	0	0	0	0	0	0	0	0
TAPLEJUNG	13.6	..	15.9	23	4.2	..	1.8	15	6.4	8.2	..	4.8	15	2	..	5.6	4.0	..	0	2	1	0	1	1	0	0	0	0
OKHALDHUNGA	14.7	..	17.5	08	4.1	..	1.4	15	7.9	10.2	..	6.7	15	2	..	1.3	1.0	..	0	2	1	1	0	4	0	0	0	0
CHAINPUR	..	..	..	..	8.7	..	5.7	15	0.0	0.3	..	0.3	14	0	..	..	..	..	0	1	0	0	0	0	0	0	0	0
BAKAHAKSHETRA	22.8	..	25.1	29	10.7	..	8.5	15	0.0	1.5	..	1.5	14	0	..	5.6	3.3	..	0	1	0	0	0	0	0	0	0	0
TISTA CATCHMENT																												
GANGTOK	13.9	..	18.1	23	3.9	..	0.0	15	17.8	36.5	..	14.0	15	4	..	3.4	2.5	..	0	5	1	1	1	0	0	0	0	0
GEZING	16.5	..	20.0	22	5.7	..	2.9	15	1.2	8.7	..	3.4	14	2	..	..	..	..	0	5	0	0	0	0	0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JANUARY ,1969(PAUSA 11 - MAGHA 11,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb.: At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mb.: At station level	Mean pressure in mb.: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 62 or more	No. of observations: Wind Speed (Km. p. h.): 20 to 61	No. of observations: Wind Speed (Km. p. h.): 1 to 19	Wind direction: N	Wind direction: NE	Wind direction: E	Wind direction: SE	Wind direction: S	Wind direction: SW	Wind direction: W	Wind direction: NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAY ISLANDS																											
MAYA BANDAR	0830	28	1012.8	1009.6	-1.9	25.3	22.9	21.6	25.9	80	+ 4	3.3	+0.1	3.5	0	0	19	05	12	0	1	0	0	1	0	12	0
	1730	28	1010.0	1006.8	-2.1	26.3	22.8	21.0	24.9	73	- 2	4.3	+0.4	8.1	0	3	21	01	22	1	0	0	0	0	0	7	0
LONG ISLAND	0830	25	1012.6	1009.6	-1.7	25.8	22.6	21.4	25.3	77	+ 0	4.1	+0.6	0.8	0	0	9	00	8	0	0	0	0	0	1	22	0
	1730	25	1010.4	1007.5	-1.2	25.8	22.7	21.0	25.2	75	- 2	4.7	+0.8	0.6	0	0	9	00	9	0	0	0	0	0	0	22	0
PORT BLAIR	0530	79	1010.5	1001.5	..	23.0	21.9	21.3	25.3	90	..	4.3	..	4.6	0	0	18	01	12	2	0	0	0	0	3	13	0
	0830	79	1012.5	1003.6	-1.2	27.2	24.0	22.4	27.4	75	+ 5	3.8	-0.5	10.8	0	2	26	08	16	3	0	0	0	0	1	3	0
	1130	79	1011.0	1002.2	..	28.8	24.8	22.9	28.1	71	..	4.4	..	16.0	0	13	18	04	21	4	0	0	0	1	1	0	0
	1730	79	1009.8	1000.8	-1.3	25.9	23.3	22.0	27.7	80	+ 3	4.8	-0.6	8.6	0	0	27	07	16	3	0	0	0	0	1	4	0
	1430	79	1008.8	1000.0	..	28.7	24.7	22.8	26.7	71	..	4.5	..	14.1	0	7	24	05	20	5	0	0	0	0	1	0	0
	2030	79	1011.6	1002.6	..	24.9	22.9	21.9	26.3	84	..	2.8	..	6.6	0	1	21	02	17	2	0	0	0	0	1	9	0
	2330	79	1011.3	1002.3	..	24.1	22.7	21.9	26.4	87	..	3.6	..	8.6	0	6	16	02	15	2	0	0	0	0	3	9	0
CAR NICOBAR	0830	10	1011.2	1010.0	-1.6	28.2	24.5	22.8	27.7	73	- 1	5.7	+1.2	3.7	0	0	26	00	24	2	0	0	0	0	0	5	0
	1730	10	1008.8	1007.6	-1.5	26.9	24.1	22.8	27.7	78	- 1	6.2	+1.8	2.6	0	0	22	00	21	1	0	0	0	0	0	9	0
NAN COWRY	0830	26	1011.3	1008.4	-1.3	27.6	25.1	24.0	29.8	81	+ 1	5.0	-0.2	2.2	0	0	17	00	11	3	2	0	1	0	0	14	0
	1730	26	1008.8	1005.9	-1.3	27.4	25.0	23.9	29.6	81	- 1	5.0	+0.0	1.1	0	0	7	00	4	1	1	0	1	0	0	24	0
KONDUL	0830	8	1011.8	1010.9	-0.6	27.9	25.3	24.1	30.2	80	- 3	5.5	+0.2	4.4	0	0	18	02	14	2	0	0	0	0	0	13	0
	1730	8	1009.3	1008.3	-0.7	27.5	25.1	24.0	29.8	81	- 3	5.6	+0.3	4.1	0	0	18	03	11	4	0	0	0	0	0	13	0
HUT BAY/LITTLE ANDAMAN	0830		1012.7	1011.9	..	26.9	24.4	23.3	28.6	81	..	5.1	..	11.7	0	4	27	06	20	1	1	0	0	1	2	0	0
	1730	5	1010.0	1009.2	..	26.4	23.9	22.6	27.5	80	..	4.5	..	11.4	0	3	27	01	26	1	1	0	1	0	0	1	0
NORTH ASSAM(INCLUDING NEFA)																											
PASIGHAT	0830	157	1016.3	997.8	-2.8	14.8	11.8	8.8	11.4	68	- 1	3.9	+0.1	18.0	0	17	12	00	1	0	0	0	1	0	27	2	0
	1730	157	1012.3	993.9	-3.1	15.3	13.2	11.3	13.5	78	+ 2	4.2	+0.4	4.7	0	2	25	05	2	0	0	0	0	2	18	4	0
DIBRUGARH(MOHANBARI)	0230	111	1013.9	1000.8	..	10.1	9.6	9.2	11.7	94	..	3.5	..	1.4	0	0	6	01	4	1	0	0	0	0	0	25	0
	0530	111	1014.3	1000.9	..	8.8	8.5	8.1	10.9	96	..	3.8	..	1.2	0	0	6	00	5	1	0	0	0	0	0	25	0
	0830	111	1016.4	1003.2	-2.3	13.8	12.6	11.5	13.5	86	+ 3	4.1	+0.6	3.5	0	0	21	00	13	8	0	0	0	0	0	10	0
	1130	111	1014.4	1001.5	..	19.5	15.0	11.2	13.3	60	..	3.7	..	5.9	0	0	29	05	13	9	1	0	0	0	1	2	0
	1430	111	1011.4	998.7	..	21.4	15.4	10.4	12.7	51	..	3.8	..	5.9	0	1	28	03	15	4	0	1	0	1	5	2	0
	1730	111	1012.0	999.0	-2.7	16.5	13.9	11.7	13.7	80	+ 2	3.9	+0.7	1.6	0	0	8	01	6	1	0	0	0	0	0	23	0
	2030	111	1013.9	1000.7	..	12.4	11.3	10.2	12.6	87	..	3.6	..	1.2	0	0	7	01	4	2	0	0	0	0	0	24	0
	2330	111	1014.3	1001.0	..	11.2	10.7	10.2	12.6	94	..	3.9	..	1.9	0	0	7	01	6	0	0	0	0	0	0	24	0
DIGBOI	0830	152	1016.9	998.8	-2.2	14.0	13.0	12.1	14.2	88	+ 0	3.2[a]	-1.2	2.0[a]	0	0	29	06	3	6	5	3	1	3	2	1	0
	1730	152	1012.5	994.7	-3.0	17.5	15.5	14.0	15.9	80	+ 6	9.0[b]	+3.9	0.8[b]	0	0	8	00	2	5	0	0	1	0	0	21	0
NORTH LAKHIMPUR	0830	102	1016.3	1004.2	-2.3	15.4	13.1	11.2	13.2	76	- 8	3.0	-0.6	4.3	0	0	22	08	11	1	1	0	0	0	1	9	0
	1130	102	1014.4	1002.6	..	20.3	15.1	10.8	12.9	56	..	3.0	..	7.4	0	0	30	01	15	8	5	1	0	0	0	1	0
	1430	102	1011.7	999.9	..	21.6	15.4	10.1	12.5	50	..	3.5	..	6.7	0	0	29	02	9	8	3	2	3	0	0	2	2
	1730	102	1012.1	1000.1	-2.6	16.7	14.2	12.2	14.2	75	- 7	3.6	-0.2	3.0	0	0	14	05	6	1	0	0	1	1	0	17	0
	2030	102	1013.8	1001.6	..	13.2	12.3	11.5	13.4	90	..	3.1	..	1.3	0	0	6	04	1	0	0	0	1	0	0	25	0
SIBSAGAR	0830		(R)																								
	1730		(R)																								
GOHPUR	0830	83	1016.2	1006.5	..	15.2	13.6	12.2	13.6	83	- 4	3.3	..	1.9	0	0	18	01	0	14	1	1	0	1	0	13	0
	1730	83	1011.7	1002.0	..	17.0	14.6	12.6	14.7	75	+ 1	3.4	..	1.2	0	0	13	00	2	11	0	0	0	0	0	18	0
MAJBAT	0830	120	1016.4	1002.2	-1.7	14.9	13.5	12.3	14.3	84	..	0.7	-2.5	0.8[b]	0	0	5	00	1	0	4	0	0	0	0	24	0
	1730	120	1012.2	998.4	-2.3	19.9	18.3	17.4	19.2	86	..	0.9	-1.6	0.5[b]	0	0	3	00	1	0	1	0	1	0	0	26	0
JORHAT AERODROME	0530	90	1014.2	1003.3	..	9.6	9.5	9.4	11.6	98	..	4.5	..	0.2	0	0	1	00	1	0	0	0	0	0	0	30	0
	0830	90	1016.2	1005.5	..	14.2	13.2	12.4	14.4	89	..	3.5	..	0.4	0	0	2	00	2	0	0	0	0	0	0	29	0
	1130	90	1013.9	1003.5	..	20.6	16.1	12.6	14.7	62	..	1.9	..	6.6	0	1	19	01	15	3	0	0	0	1	0	11	0
	1730	90	1011.7	1001.2	..	17.2	14.7	12.6	14.7	75	..	2.8	..	1.9	0	0	7	00	3	2	0	0	1	1	0	24	0
	2330	90	1013.8	1003.1	..	12.6	11.6	10.7	12.9	89	..	2.1	..	0.7	0	0	2	00	1	0	0	0	1	0	0	29	0
TANGLA	0830	78	1013.5	1005.8	-2.9	15.6	13.6	11.9	13.9	79	+ 1	1.0	-0.9	0.8	0	0	6	00	0	6	0	0	0	0	0	25	0
	1730	78	1008.4	1001.0	-4.3	20.6	18.5	17.1	19.6	80	+ 4	0.4	-1.2	0.4	0	0	2	00	0	1	0	0	0	1	0	29	0
TEZPUR	0830	79	1016.2	1006.9	-2.4	14.5	12.8	11.3	13.4	81	- 3	1.9	-0.6	3.4	0	0	27	00	26	0	0	0	1	0	0	4	0
	1730	79	1011.7	1002.6	-2.4	19.7	15.8	12.9	14.8	65	- 7	1.6	-0.2	1.9	0	0	11	00	10	0	0	0	0	0	0	20	1
GOLAGHAT	0830	95	1016.4	1005.1	-2.0	13.6	12.4	11.3	13.6	85	+ 2	1.8[a]	-1.9	0.6[a]	0	0	8	00	1	0	1	1	3	1	1	22	0
	1730	95	1010.9	999.9	-2.9	22.3	15.9	10.7	13.1	49	-18	1.5[d]	-1.9	0.8[d]	0	0	8	01	2	0	0	1	2	0	2	19	0
RANGIA	0830	60	1017.2	1010.1	..	16.9	14.7	13.2	15.0	78	- 3	1.2[b]	..	6.1[b]	0	1	27	00	3	23	1	0	0	0	1	1	0
	1730	60	1012.5	1005.6	..	19.8	17.1	15.1	17.3	74	+ 2	1.3[c]	..	0.0[c]	0	0	0	00	0	0	0	0	0	0	0	26	0
CHAPARMUKH	0830	66	1018.6	1010.8	-0.7	15.9	14.0	12.5	14.4	80	+ 1	1.5[c]	-1.0	5.0[c]	0	0	26	00	3	2	18	2	1	0	0	2	0
	1730	66	1014.1	1006.4	-0.4	20.5	16.2	13.0	14.9	62	-10	1.9[c]	-0.5	0.6[c]	0	0	4	00	3	0	0	0	1	0	0	24	0
GOALPARA	0830	38	1015.8	1011.2	-1.9	14.3	12.9	11.8	13.9	86	+ 1	0.9	-2.1	1.1	0	0	15	01	11	0	0	0	2	1	0	16	0
	1730	38	1011.3	1007.0	-1.8	21.4	18.4	16.3	18.8	74	+11	0.8	-0.5	0.9	0	0	14	00	7	0	0	0	6	1	0	17	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JANUARY 1969 (PAUSA 11 - MAGHA 11, 1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or lat. in gpm. of mean standard isobaric level	Mean pressure in mb. At station level	Mean pressure in mb. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mb.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORTH ASSAM (INCLUDING NEFA) (CONTD.)																											
GAUHATI (BHORJUR)	0230	54	1013.0	1006.5	..	11.4	11.1	10.8	12.8	95	..	1.3	..	0.6	0	0	2	00	0	0	0	0	1	1	0	29	0
	0530	54	1013.6	1007.0	..	10.3	10.1	9.9	12.2	98	..	1.6	..	0.8	0	0	2	00	0	1	0	0	1	0	0	29	0
	0830	54	1015.8	1009.4	-2.5	14.7	13.5	12.5	14.5	87	+ 1	1.4	-1.1	1.2	0	0	7	01	4	0	0	0	1	1	0	24	0
	1130	54	1013.9	1007.6	..	21.1	16.1	12.3	14.4	57	..	1.5	..	5.6	0	0	24	07	7	0	0	0	2	1	7	7	0
	1430	54	1010.8	1004.5	..	23.3	16.1	10.2	12.6	44	..	1.8	..	6.3	0	1	26	09	6	2	0	0	1	3	5	4	1
	1730	54	1011.4	1005.1	-2.9	18.7	15.3	12.4	14.6	68	- 6	3.6	+0.9	1.5	0	0	9	00	1	1	0	4	1	2	0	22	0
	2030	54	1013.4	1007.0	..	14.7	13.5	12.4	14.5	87	..	2.0	..	2.8	0	1	9	00	0	0	0	4	5	0	1	21	0
	2330	54	1013.7	1007.3	..	13.2	12.5	11.9	14.0	92	..	2.3	..	2.7	0	0	10	01	1	0	0	3	5	0	0	21	0
DHUBRI (RUPSI)	0530	45	1013.2	1007.8	..	8.6	8.3	8.1	10.9	97	..	1.4	..	4.7	0	0	29	03	17	1	1	1	4	2	0	2	0
	0830	45	1015.3	1010.0	-1.7	15.8	13.9	12.3	14.3	80	+ 0	1.5	-0.4	5.4	0	0	30	00	14	9	2	1	3	1	0	1	0
	1130	45	1013.9	1008.7	..	21.4	15.9	11.6	13.6	54	..	1.3	..	7.2	0	0	31	01	7	15	5	3	1	1	0	0	0
	1730	45	1011.4	1006.1	-1.9	18.6	15.6	13.3	15.3	71	- 8	1.7	+0.3	1.1	0	0	5	00	1	0	0	0	2	2	0	26	0
DHUBRI	0830	35	..	..	..	14.5	13.6	12.8	14.8	89	+ 5	0.5	-1.3	3.0	0	0	22	01	17	3	1	0	0	0	0	9	0
	1730	35	..	..	..	20.0	15.9	12.6	14.6	63	- 2	0.6	-1.0	0.5	0	0	7	01	3	0	0	0	1	1	1	24	0
LUMDING	0830	149	1017.2	999.4	..	12.6	11.1	9.6	12.1	81	- 1	1.5	..	1.2	0	1	5	01	0	3	0	1	1	0	0	25	0
	1730	149	1011.4	994.4	..	22.5	15.7	9.8	12.3	47	..	1.4	..	1.7	0	1	8	01	0	1	1	2	0	0	3	22	0
BOMDILLA	0830		..	..	..	4.7	3.4	1.9	7.0	82	..	5.3	..	3.3	0	0	31	00	2	2	7	7	8	3	2	0	0
	1730		..	..	..	4.5	3.2	1.7	6.9	82	..	.	..	2.2	0	0	30	00	2	2	9	5	11	1	0	1	0
TAWANG	0830		..	..	..	10.5	9.9	9.6	12.0	95	..	3.2	..	1.6	0	0	18	00	0	5	2	9	0	2	0	13	0
	1730		..	..	..	7.7	7.5	7.3	10.3	98	..	3.3	..	1.5	0	0	22	00	0	3	0	16	0	3	0	9	0
TEZU	0830		..	..	..	14.0	12.8	11.7	13.7	86	..	3.4	..	0.5	0	0	7	01	0	0	0	0	0	0	0	24	6
	1730		..	..	..	16.1	15.0	14.1	16.1	88	..	.	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
ALONG	0830		..	..	..	11.7	10.6	9.9	12.2	90	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	14.3	12.6	11.5	13.6	84	..	3.7	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ZIRO	0830		..	..	..	6.0	3.0	- 1.4	5.4	61	..	2.8	..	0.3	0	0	2	00	0	0	1	1	0	0	0	29	0
	1730		..	..	..	9.7	7.0	4.1	8.2	69	..	4.1	..	1.2	0	0	8	00	0	0	0	2	3	1	2	23	0
KHONSA	0830		..	..	..	14.8	11.8	9.1	11.6	69	..	3.9	..	0.4	0	0	10	01	1	1	0	0	0	1	6	14	0
	1730		..	..	..	13.6	11.3	9.4	11.8	76	..	3.5	..	0.7	0	0	9	02	0	1	0	0	1	3	2	11	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
TURA	0830	370	1016.0	972.8	-2.6	14.6	12.1	9.8	12.1	73	- 3	4.1	+2.0	4.0	0	0	28	00	2	21	3	0	2	0	0	3	0
	1730	370	1011.8	969.6	-2.7	20.0	15.2	11.1	13.2	58	- 9	4.0	+1.1	2.8	0	1	21	00	0	6	6	1	2	6	0	9	0
HAFLONG	0830	682	1016.3	938.2	-1.1	14.8	11.7	9.0	11.2	68	- 4	1.6	-0.6	2.4	0	0	31	08	4	0	0	1	9	0	9	0	0
	1730	682	1010.8	933.9	-2.0	17.0	12.7	9.1	11.3	61	- 5	2.0	-0.6	3.0	0	0	31	03	0	0	0	0	24	0	4	0	0
SILCHAR (KUMBHIRGRAM)	0530	97	1012.3	1000.7	..	11.9	10.8	9.8	12.0	87	..	2.4	..	8.6	0	0	31	00	0	31	0	0	0	0	0	0	0
	0830	97	1014.3	1002.9	-2.3	15.3	12.8	10.6	12.8	74	- 1	2.5	+0.7	11.3	0	0	31	00	0	31	0	0	0	0	0	0	0
	1130	97	1012.4	1001.2	..	21.3	15.2	10.1	12.5	50	..	2.3	..	8.0	0	0	31	01	0	12	2	6	3	1	1	0	5
	1730	97	1010.1	998.9	-2.4	20.1	15.3	11.2	13.5	57	- 4	1.7	+0.2	2.4	0	0	14	04	2	2	0	0	3	3	0	17	0
SILCHAR	0830	29	1015.4	1011.9	-2.5	15.3	13.8	12.6	14.6	84	+ 0	2.3	+0.6	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	29	1013.2	1007.5	-2.5	23.9	17.5	12.6	14.6	58	- 6	1.7	+0.4	..	.	..	..	..	..	..	..	..	..	..	..	..	..
IMPHAL (TULIHAL)	0530	781	1018.1	926.4	..	4.7	4.3	3.7	8.0	93	..	3.2	..	0.6	0	0	2	00	1	1	0	0	0	0	0	29	0
	0830	781	1018.3	928.4	-1.9	11.0	8.8	6.5	9.7	74	- 2	2.6	+0.4	0.7	0	0	3	01	0	0	2	0	0	0	0	28	0
	1130	781	1013.9	926.5	..	17.8	12.4	7.6	10.5	52	..	1.9	..	5.6	0	1	15	01	0	0	2	1	5	2	5	15	0
	1430	781	1010.3	923.8	..	20.4	13.0	6.3	9.3	42	..	2.0	..	7.4	0	1	18	01	1	0	3	3	4	3	4	12	0
	1730	781	1012.3	924.1	-0.5	15.0	10.9	7.0	10.1	60	- 1	1.4	-0.4	4.3	0	1	10	00	0	0	1	1	0	6	3	20	0
	2030	781	1015.6	925.9	..	10.6	8.8	7.0	10.0	79	..	1.2	..	1.2	0	0	3	00	0	0	0	0	1	0	2	28	0
	2330	781	1017.0	926.3	..	7.7	6.8	5.8	9.2	88	..	1.4	..	0.1	0	0	1	00	1	0	0	0	0	0	0	30	0
KAILASHAHAR	0530	29	1014.1	1010.6	..	9.9	9.7	9.6	12.0	98	..	1.2	..	1.3	0	0	9	01	0	0	3	3	1	1	0	22	0
	0830	29	1016.2	1012.7	-1.6	15.0	13.5	12.2	14.3	83	+ 2	1.6	+0.1	3.0	0	0	21	02	1	1	3	9	5	0	0	10	0
	1130	29	1014.4	1011.0	..	22.5	16.4	11.6	13.7	51	..	1.5	..	8.1	0	0	31	03	2	4	2	2	6	3	8	0	1
	1730	29	1012.1	1008.7	-1.8	19.9	15.9	12.7	14.9	64	- 1	1.0	-0.6	2.7	0	0	17	02	2	1	0	2	2	3	5	14	0
AGARTALA	0230	16	1012.2	1010.3	..	11.0	10.2	9.4	11.8	87	..	0.8	..	2.8	0	0	15	03	1	0	2	3	4	2	0	16	0
	0530	16	1012.4	1010.5	..	10.2	9.5	8.7	11.3	91	..	2.1	..	2.6	0	0	13	02	1	2	1	4	2	0	1	18	0
	0830	16	1014.6	1012.7	-1.9	16.8	14.2	12.0	14.1	73	- 6	1.7	+0.0	4.8	0	0	17	03	1	0	2	2	6	2	1	14	0
	1130	16	1013.2	1011.4	..	23.3	16.0	9.7	12.3	43	..	1.6	..	9.3	0	0	29	09	1	0	0	0	3	6	10	2	0
	1430	16	1010.5	1008.7	..	25.0	16.2	8.5	11.2	36	..	1.6	..	9.9	0	0	31	05	1	0	0	1	4	10	10	0	0
	1730	16	1010.8	1009.0	-2.2	20.3	15.2	10.9	13.1	55	- 6	1.1	-0.6	4.6	0	0	25	01	2	0	0	1	3	11	7	6	0
	2030	16	1012.6	1010.7	..	15.0	12.8	10.9	13.0	77	..	0.5	..	2.0	0	0	10	00	0	0	1	1	2	3	3	21	0
	2330	16	1012.9	1011.0	..	12.6	11.4	10.2	12.5	86	..	0.4	..	3.6	0	0	18	02	1	0	2	2	3	5	3	13	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JANUARY ,1969 (AUSA 11 - MAGHA 11,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	Wind Speed 20 to 61	Wind Speed 1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
TUENSANG	0830		(R)																								
	1730		(R)																								
MOKOKCHUNG	0830		..	..	..	16.2	14.4	12.8	14.8	81	..	1.5	..	8.6	0	0	31	00	5	1	7	7	10	0	1	0	0
	1730		..	..	..	15.9	14.4	13.1	15.1	85	..	1.3	..	8.6	0	0	31	03	1	0	9	4	8	1	5	0	0
SUB-HIMALAYAN WEST BENGAL																											
BAGHDOGRA	0230	131	1013.5	997.8	..	10.9	9.8	8.6	11.2	86	..	2.2	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	0530	131	1013.6	997.7	..	8.3	7.6	6.9	9.9	91	..	2.2	..	0.6	0	0	2	01	1	0	0	0	0	0	0	29	0
	0830	131	1015.6	1000.1	-2.0	15.3	13.2	11.5	14.4	79	- 2	2.7	+0.4	2.5	0	0	7	01	2	1	3	0	0	0	0	24	0
	1130	131	1014.3	999.2	..	22.3	16.1	11.1	13.3	50	..	2.3	..	11.4	0	1	24	00	0	7	8	4	4	2	0	6	0
	1430	131	1111.1	996.5	..	23.6	17.5	11.6	13.6	58	..	3.1	..	11.9	0	1	29	00	2	3	6	6	9	2	0	1	2
	1730	131	1011.5	996.2	-2.5	18.6	15.2	12.5	14.5	69	- 4	3.2	+0.0	6.0	0	0	19	00	1	2	3	1	8	4	0	12	0
	2030	131	1013.4	998.0	..	16.0	13.5	11.4	13.5	75	..	2.1	..	1.7	0	0	5	01	3	0	0	0	1	0	0	26	0
	2330	131	1014.3	998.7	..	13.5	11.9	10.4	12.4	82	..	2.4	..	1.5	0	0	5	03	1	0	0	0	1	0	0	26	0
JALPAIGURI	0830	83	1015.7	1005.9	-1.8	13.5	12.3	11.2	13.4	86	- 1	1.4	-0.5	3.3	0	0	29	15	7	2	0	1	1	1	2	2	0
	1730	83	1011.5	1001.9	-2.1	20.1	15.7	12.3	14.3	61	+ 2	1.1	-0.6	2.1	0	0	12	00	0	0	2	2	5	3	0	19	0
COOCH BEHAR AERODROME	0830	43	1015.9	1010.8	-2.1	14.9	13.2	11.8	13.8	82	+ 6	1.5	-0.4	6.6	0	0	26	00	4	20	0	1	0	1	0	5	0
	1130	43	1014.4	1009.5	..	21.3	15.9	11.5	13.5	54	..	1.9	..	12.4	0	5	26	00	2	14	3	0	0	0	0	0	12
	1730	43	1011.9	1006.9	-2.0	19.1	15.4	12.5	14.7	66	- 3	1.9	+0.3	1.5	0	2	0	01	0	0	0	0	0	1	0	29	0
BALURGHAT	0830		(R)																								
	1730		(R)																								
MALDA	0830	31	1015.9	1012.2	-1.8	16.3	12.6	9.0	11.6	63	- 9	1.1	-0.4	1.6	0	0	19	05	0	0	0	0	0	5	9	12	0
	1730	31	1011.8	1008.2	-2.2	21.5	14.8	8.9	11.4	45	-13	1.5	+0.1	1.8	0	0	23	02	0	0	0	0	0	8	13	8	0
GANGETIC WEST BENGAL																											
BERHAMPORE	0830	19	1015.8	1013.5	-1.8	14.8	11.9	9.2	12.0	70	- 4	0.5	-1.2	1.5	0	0	19	04	1	0	0	7	2	5	0	12	0
	1730	19	1011.8	1009.6	-1.9	20.8	15.1	10.0	12.6	51	- 4	0.7	-0.9	0.2	0	0	3	03	0	0	0	0	0	0	0	28	0
SURI	0830		..	..	..	20.6	13.0	5.2	9.1	38	-26	0.4	-1.4	4.4	0	0	31	13	1	0	0	4	2	10	1	0	0
ASANSOL	0230	126	1013.9	998.7	..	10.6	8.8	6.8	9.1	78	..	0.6	..	0.6	0	0	7	01	0	1	0	1	0	4	3	24	0
	0530	126	1014.1	999.0	..	9.7	8.3	6.8	9.8	82	..	0.8	..	1.0	0	0	8	00	0	0	0	0	0	5	3	23	0
	0830	126	1016.1	1001.2	-1.6	15.8	11.7	7.5	10.4	58	- 9	0.5	-1.3	2.7	0	0	20	02	0	0	0	0	0	7	11	11	0
	1130	126	1014.7	1000.3	..	23.6	14.5	5.2	9.1	31	..	0.9	..	6.8	0	0	27	03	3	1	0	1	0	5	14	4	0
	1430	126	1011.6	997.3	..	26.0	15.4	5.2	8.9	27	..	1.2	..	6.3	0	0	26	04	1	0	1	0	1	5	14	5	0
	1730	126	1011.8	997.3	-1.7	21.4	14.5	7.5	10.9	42	- 3	1.5	-0.3	1.5	0	0	12	00	2	0	0	0	0	1	9	19	0
	2030	126	1014.0	999.1	..	14.6	11.1	7.6	10.4	64	..	0.9	..	1.2	0	0	8	02	1	0	0	0	0	0	5	23	0
	2330	126	1014.4	999.4	..	11.9	9.6	7.0	10.1	72	..	0.7	..	0.8	0	0	6	01	1	1	0	0	0	0	3	25	0
SHANTI NIKETAN	0830	59	1016.4	1009.3	..	16.1	12.0	7.8	10.7	59	..	0.8	..	4.3	0	0	29	05	2	1	0	1	2	8	10	2	0
	1130	59	1015.1	1008.3	..	23.0	14.2	5.1	9.1	33	..	1.3	..	6.1	0	0	31	09	1	3	1	1	1	7	8	0	0
	1730	59	1012.2	1005.3	..	21.3	14.1	7.1	10.3	41	..	1.5	..	3.2	0	0	27	09	1	5	0	0	2	5	5	4	0
KRISHNANAGAR	0830	15	1015.9	1014.2	-1.7	17.0	13.3	10.0	12.3	64	-11	0.3	-1.3	0.1	0	0	1	00	1	0	0	0	0	0	0	30	0
	1730	15	1013.6	1011.9	-0.5	22.3	16.4	11.6	14.1	52	- 6	0.4	-1.2	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
PURULIA	0830	255	1016.7	986.9	-1.7	15.7	11.6	7.4	10.4	58	- 2	1.0	-0.7	2.8	0	0	23	02	1	0	0	0	3	9	8	8	0
	1730	255	1012.0	983.0	-2.0	22.8	15.9	10.0	12.4	45	- 2	1.8	-0.4	1.2	0	0	8	02	2	0	0	0	0	1	3	23	0
BANKURA	0830	100	1015.8	1004.0	..	15.5	11.5	7.3	10.5	59	..	0.2	..	0.8	0	0	12	00	0	0	0	0	1	8	2	19	1
	1730	100	1011.0	999.6	..	23.2	16.3	10.9	13.0	47	..	0.1	..	0.1	0	0	1	01	0	0	0	0	0	0	0	30	0
BURDWAN	0830	32	1016.1	1012.3	-1.4	18.5	13.5	8.9	11.4	55	-14	0.3	-1.1	2.5	0	0	30	01	0	3	2	0	0	15	9	1	0
	1730	32	1012.1	1008.5	-1.5	23.8	15.8	8.6	10.1	38	-12	0.3	-1.0	3.0	0	0	31	12	1	1	0	1	0	7	9	0	0
CALCUTTA (DUM DUM)	0230	6	1012.8	1012.1	..	13.0	12.2	11.5	13.6	91	..	0.8	..	1.6	0	0	8	01	0	0	0	2	1	1	3	23	0
	0530	6	1013.1	1012.4	..	11.9	11.2	10.6	12.7	92	..	1.4	..	2.6	0	0	12	04	3	0	1	1	0	1	2	19	0
	0830	6	1015.5	1014.8	-2.0	16.8	13.9	11.4	13.6	71	- 3	1.2	-0.4	5.4	0	0	25	08	8	1	0	2	1	1	4	6	0
	1130	6	1014.3	1013.6	..	23.4	15.8	9.1	11.8	41	..	0.8	..	10.7	0	0	31	10	6	1	2	0	2	2	8	0	0
	1430	6	1011.5	1010.8	..	25.2	16.3	8.6	11.3	36	..	1.0	..	9.5	0	0	30	07	3	0	2	1	1	4	12	1	0
	1730	6	1011.7	1011.0	-2.2	22.3	16.3	11.6	13.7	51	- 6	0.9	-0.6	2.7	0	0	14	05	0	0	0	2	1	1	5	17	0
	2030	6	1013.3	1012.6	..	16.2	14.2	12.6	14.6	79	..	0.3	..	1.8	0	0	7	01	1	0	1	1	3	0	0	24	0
	2330	6	1013.4	1012.7	..	14.4	13.3	12.3	14.4	87	..	0.5	..	3.0	0	0	13	01	2	1	0	3	2	1	3	18	0
CALCUTTA	0830	6	1015.8	1015.0	-1.7	18.3	14.6	11.3	13.7	64	-14	0.9	-0.6	2.8	0	0	25	07	3	1	2	2	3	2	5	6	0
	1130	6	1014.5	1013.8	..	24.3	15.8	8.2	17.9	37	..	1.2	..	7.0	0	0	30	04	2	1	1	2	3	4	13	1	0
	1730	6	1012.0	1011.2	-1.9	21.8	15.6	10.4	12.7	49	- 7	1.1	-0.5	3.1	0	1	18	02	0	0	2	3	2	4	6	12	0
MIDNAPORE	0830	45	1015.4	1010.0	-2.3	17.8	12.8	7.8	10.7	53	-11	0.5	-1.1	3.2	0	0	28	18	5	0	0	1	1	0	3	3	0
	1730	45	1011.7	1006.4	-2.0	23.6	15.3	7.4	10.1	37	-10	0.5	-1.1	2.5	0	0	21	12	5	1	0	2	1	0	0	10	0
CONTAI	0830	11	1015.7	1014.4	-1.3	18.4	14.9	11.8	14.1	67	- 4	0.9	-0.2	3.8	0	0	24	14	3	1	0	1	2	1	2	7	0
	1730	11	1012.1	1010.8	-1.6	21.0	16.4	12.7	14.9	60	- 4	0.8	-0.4	2.5	0	0	17	02	2	1	1	11	0	0	0	14	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JANUARY, 1969(PAUSA 11 - MAGHA 11,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or Ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.) 62 or more	Wind Speed 20 to 61	Wind Speed 1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GANGETIC WEST BENGAL(CONTD.)																											
SAGAR ISLAND	0830	3	1015.2	1014.8	-1.7	18.8	16.2	14.1	16.3	76	+2	1.0	-0.7	9.7	0	2	26	11	6	0	0	1	2	1	7	3	0
	1730	3	1011.8	1011.4	-1.9	21.5	17.1	13.6	16.0	62	-3	1.1	-0.7	8.9	0	1	28	07	1	0	4	6	4	1	6	2	0
SANDHEADS	0530	10	1012.9	1011.8	..	21.2	17.1	13.9	16.4	65	..	0.7	..	13.1	0	7	17	09	6	1	0	2	3	2	1	7	0
	0830	10	1015.3	1014.2	-1.8	21.8	17.4	14.1	16.5	63	-3	1.2	-0.3	13.9	0	7	20	11	7	0	0	1	3	3	2	4	0
	1130	10	1015.2	1014.1	..	23.3	17.8	13.7	16.2	56	..	1.0	..	13.5	0	8	17	12	6	1	0	0	3	2	1	6	0
	1730	10	1012.1	1011.0	-2.1	22.5	17.4	13.4	15.8	57	-8	0.7	-0.7	8.0	0	2	20	08	4	0	0	2	5	1	2	9	0
	2330	10	1013.6	1012.5	..	21.9	17.5	13.9	16.6	63	..	0.3	..	9.0	0	6	13	08	2	0	0	4	2	1	2	12	0
NARENDRAPUR	0830		..	..	..	17.2	14.4	12.0	14.3	72	..	1.7[e]	..	3.5[e]	0	0	25	04	8	1	0	0	4	1	7	1	0
	1730		..	..	..	19.5	15.7	12.5	14.7	64	..	3.8[f]	..	2.2[f]	0	0	16	05	1	0	0	0	2	2	6	9	0
BAGATI	0830		..	..	..	16.4	13.5	11.0	13.3	72	..	1.3	..	3.5	0	0	24	07	1	0	0	2	5	1	8	7	0
	1730		..	..	..	19.2	14.4	10.3	12.7	57	..	1.2	..	1.4	0	0	19	04	3	0	0	0	1	2	9	12	0
ORISSA																											
BARIPADA	0830	54	1016.8	1010.4	-1.4	16.7	13.1	9.7	12.2	64	-1	0.9	-1.0	1.1	0	0	13	07	4	0	0	1	0	0	1	18	0
	1730	54	1012.6	1006.4	-1.3	23.0	16.2	10.5	13.0	46	-8	1.3	-0.2	0.4	0	0	5	01	0	0	2	2	0	0	0	26	0
JHARSUGUDA	0230	230	1013.6	986.5	..	13.7	11.4	9.0	11.8	74	..	1.3	..	2.1	0	0	17	03	12	2	0	0	0	0	0	14	0
	0530	230	1014.1	986.8	..	12.0	10.2	8.4	11.2	79	..	1.4	..	2.8	0	0	21	06	12	2	0	1	0	0	0	10	0
	0830	230	1016.2	989.2	-1.3	16.3	12.1	7.8	10.8	57	-12	1.0	-0.6	5.9	0	0	26	05	19	2	0	0	0	0	0	5	0
	1130	230	1014.8	988.6	..	24.4	15.2	6.2	9.9	32	..	1.0	..	6.3	0	0	31	07	7	8	0	2	4	2	1	0	0
	1430	230	1011.2	985.3	..	27.4	16.2	5.5	9.5	26	..	1.7	..	6.3	0	0	31	06	4	1	2	1	4	3	10	0	0
	1730	230	1011.3	985.2	-1.6	24.6	15.5	6.7	10.3	33	-11	2.0	+0.4	4.5	0	0	22	00	2	2	0	6	6	3	3	9	0
	2030	230	1013.4	986.9	..	19.4	13.5	7.8	11.0	48	..	1.4	..	2.4	0	0	15	05	0	0	0	6	1	2	1	16	0
	2330	230	1014.1	987.2	..	16.3	12.4	8.5	11.4	61	..	1.2	..	2.1	0	0	17	03	6	1	3	2	1	1	0	14	0
KEONJHARGARH	0830	463	1015.7	962.6	-2.6	17.0	12.3	7.8	10.4	55	-6	0.2	-1.2	0.1	0	0	1	00	0	0	0	0	0	1	0	30	0
	1730	463	1011.3	959.7	-1.9	23.5	14.8	7.4	9.1	37	-11	0.8	-1.3	1.5	0	0	24	05	0	2	0	0	0	16	1	7	0
BALASORE	0830	20	1015.9	1013.6	-1.5	18.7	14.4	10.6	12.9	60	-8	0.9	-1.1	7.3	0	0	28	19	8	0	0	0	1	0	0	3	0
	1730	20	1012.1	1009.8	-1.6	21.0	16.6	13.2	14.8	62	+1	1.3[a]	-1.1	3.7[a]	0	0	21	01	0	0	3	16	1	0	0	9	0
SAMBALPUR	0830	148	1016.0	999.0	-1.0	19.3	14.5	10.4	12.5	57	-16	0.3	-1.4	0.5	0	0	7	00	4	2	0	1	0	0	0	24	0
	1730	148	1012.6	995.6	-0.7	24.0	16.6	10.9	12.4	48	+0	0.9	-0.9	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
ANGUL	0830	139	1016.2	1000.0	-1.3	17.8	15.0	12.8	14.2	73	-2	1.4	-0.8	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	139	1011.5	995.8	-1.6	25.9	19.4	15.0	17.3	52	+10	1.9	-0.2	..	.	..	..	..	..	..	..	..	..	..	..	..	..
CHANDBALI	0830	6	1016.1	1015.3	-1.3	20.9	16.6	13.2	15.5	62	-14	0.9	-0.5	4.5	0	0	30	11	2	2	0	2	3	4	6	1	0
	1730	6	1012.0	1011.3	-1.9	22.9	17.1	12.2	14.4	53	-9	0.6	-1.0	6.1	0	1	28	04	3	16	4	1	0	1	0	2	0
BOLANGIR	0830	190	1015.7	993.8	-1.1	19.8	14.8	10.3	12.8	55	-14	1.1	-1.4	1.7	0	0	17	02	2	1	3	8	0	0	1	14	0
	1730	190	1011.2	989.7	-2.0	26.0	16.8	8.9	12.1	35	-18	1.7	-0.9	0.9	0	0	11	02	1	3	1	3	0	0	1	20	0
PHULBANI	0830	464	1016.7	963.4	..	16.0	12.7	9.9	12.1	68	..	0.1	..	0.1	0	0	1	00	0	0	0	0	0	0	1	30	0
	1730	464	1011.8	960.1	..	23.7	16.1	10.3	12.2	44	..	0.1	..	0.3	0	0	2	00	0	0	0	0	0	0	2	29	0
CUTTACK	0830	27	1016.5	1013.4	-0.7	18.3	16.0	14.2	16.3	77	-3	0.6	-1.1	1.1	0	0	11	04	0	2	0	0	0	5	0	20	0
	1730	27	1012.4	1009.3	-1.0	27.2	19.4	14.1	16.1	48	-3	0.4	-1.3	1.4	0	0	11	00	0	5	1	2	1	2	0	20	0
TITLAGARH	0830	211	1015.6	991.2	-1.4	20.0	16.1	12.8	15.4	64	-4	3.7	+2.4	2.0	0	0	31	00	9	0	11	0	11	0	0	0	0
	1730	211	1010.3	986.6	-2.0	26.7	19.5	14.6	16.8	49	+9	3.6	+2.4	1.9	0	0	30	00	24	0	1	0	4	0	1	1	0
BHUBANESWAR	0230	46	1013.3	1008.0	..	17.2	15.8	14.7	16.8	85	..	0.8	..	3.7	0	0	12	02	0	2	1	1	3	0	3	19	0
	0530	46	1013.3	1008.0	..	15.7	14.4	13.2	15.2	85	..	1.2	..	4.0	0	0	16	06	4	1	0	1	1	1	2	15	0
	0830	46	1015.8	1010.5	-1.1	20.1	16.2	13.2	15.3	66	-4	1.3	-0.5	8.2	0	2	22	07	7	0	1	1	0	0	8	7	0
	1130	46	1014.9	1009.7	..	25.4	17.5	11.2	13.6	43	..	1.1	..	13.9	0	8	22	03	8	6	1	2	2	4	3	1	1
	1430	46	1011.7	1006.5	..	27.7	17.6	9.2	11.9	32	..	1.6	..	10.3	0	3	24	07	5	2	1	2	3	2	5	4	0
	1730	46	1011.9	1006.7	-1.5	25.1	17.4	11.2	13.5	43	-7	1.6	-0.5	9.3	0	2	24	03	0	7	4	7	2	0	3	5	0
	2030	46	1013.9	1008.6	..	20.4	17.0	14.5	16.6	70	..	0.2	..	6.5	0	0	23	00	0	3	4	8	7	0	1	8	0
	2330	46	1014.1	1008.7	..	18.3	16.2	14.6	16.7	80	..	0.1	..	4.0	0	1	10	00	1	0	1	3	5	0	1	20	0
PURI	0830	6	1016.9	1016.2	-0.2	21.8	18.0	15.5	17.6	68	-5	2.5[a]	+0.9	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	6	1013.1	1012.4	-0.7	21.8	18.0	15.4	17.6	67	-1	2.4	+0.3	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GOPALPUR	0530	17	1013.1	1011.1	..	17.4	15.7	14.4	16.4	83	..	1.3	..	8.8	0	0	29	17	0	0	0	0	1	1	10	2	0
	0830	17	1015.6	1013.6	-1.4	19.8	16.9	14.7	16.9	73	-1	1.7	+0.0	8.4	0	0	28	20	0	0	0	0	0	1	7	3	0
	1130	17	1015.0	1013.0	..	26.0	19.9	15.8	18.3	55	..	1.0	..	10.3	0	0	31	03	4	8	7	6	3	0	0	0	0
	1730	17	1012.0	1010.1	-1.5	24.3	19.8	16.9	19.4	64	-6	1.6	-0.3	13.4	0	5	26	00	0	9	13	5	4	0	0	0	0
	2330	17	1014.0	1012.0	..	20.5	18.2	16.6	19.0	79	..	0.6	..	7.2	0	2	22	07	0	1	0	1	7	5	3	7	0
KORAPUT	0830	913	1533.8	914.3	-0.4	17.6	13.8	10.5	12.7	66	-3	0.8	-0.6	5.7	0	0	31	01	0	1	18	10	1	0	0	0	0
	1730	913	1511.5	910.8	-1.2	22.8	14.1	5.9	9.1	37	-6	1.3	-0.7	11.7	0	0	31	08	3	1	1	0	2	3	13	0	0
PARADIP PORT	0830	11	1015.8	1014.9	..	21.7	18.9	17.1	19.5	76	..	0.8	..	14.8	0	4	27	14	3	0	0	0	4	4	6	0	0
	1730	11	1013.5	1012.4	..	21.9	19.3	17.7	20.2	77	..	0.3	..	23.3	0	25	6	10	5	0	2	1	4	0	9	0	0
ROURKELA	0830	196	1017.4	994.1	..	17.5	13.4	9.8	12.1	68	..	0.6	..	3.5	0	0	15	01	5	8	0	0	1	0	0	16	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JANUARY ,1969PAUSA 11 - MAGHA 11,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.) 62 or more	Wind Speed (Km. p. h.) 20 to 61	Wind Speed (Km. p. h.) 1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORISSA CONTD)																											
ROURKELA	1730	196	1011.8	989.5	..	25.5	15.9	7.1	10.1	32	..	1.9	..	6.4	0	2	14	00	1	0	3	3	4	2	3	15	0
BHOWANI PATNA	0830	267	..	..	..	21.2	16.8	13.6	15.6	64	..	1.2	..	2.3	0	0	31	02	0	4	6	14	2	3	0	0	0
	1730	267	..	..	..	27.7	18.2	10.6	12.8	36	..	2.3	..	3.8	0	0	31	05	7	4	4	2	3	0	5	0	1
BIHAR PLATEAU																											
DUMKA	0830	149	1016.1	998.6	-1.7	15.4	11.5	7.5	10.4	60	- 6	0.1	-1.3	6.5	0	0	21	02	2	1	0	0	2	6	8	10	0
	1730	149	1011.9	994.7	-1.9	21.0	14.6	8.7	11.5	46	- 5	0.7	-0.7	5.2	0	0	16	03	0	0	0	0	0	8	5	15	0
DALTONGANJ	0830	221	1016.9	990.8	-1.5	14.9	11.2	7.3	10.6	63	-15	1.3	-1.0	1.2	0	0	9	00	0	0	0	0	7	0	2	22	0
	1730	221	1011.6	986.4	-2.2	22.0	14.6	7.6	10.6	42	- 9	1.8	-0.5	2.3	0	0	17	00	1	0	0	0	3	1	12	14	0
HAZARIBAGH	0830	611	1016.0	945.6	-2.1	13.7	9.4	5.2	8.4	56	- 7	1.5	-0.5	3.7	0	0	19	00	0	0	0	1	1	3	14	12	0
	1730	611	1011.5	942.7	-2.3	19.1	11.0	1.8	7.3	33	-16	1.7	-0.4	6.3	0	0	31	07	0	0	1	0	0	0	23	0	0
DHANBAD	0830	257	1015.6	985.7	-2.1	17.3	11.7	5.9	9.6	48	-11	0.1	-1.7	1.7	0	0	19	01	0	0	2	0	3	6	7	12	0
	1730	257	1011.2	981.9	..	22.8	14.0	5.3	9.0	33	..	1.2	..	2.7	0	0	17	00	1	0	2	0	5	0	9	14	0
RANCHI AERODROME	0530	652	1014.2	939.0	..	11.5	8.3	4.8	8.4	65	..	0.6	..	6.4	0	1	16	02	0	0	0	0	0	6	9	14	0
	0830	652	1015.5	941.0	-1.7	14.7	10.2	5.7	8.8	56	- 2	0.7	-1.2	9.3	0	5	15	02	0	0	0	2	3	2	11	11	0
	1130	652	1013.6	940.6	..	20.4	12.4	4.3	8.0	36	..	0.8	..	17.9	0	13	13	04	0	0	0	1	2	5	14	5	0
	1430	652	1010.3	938.0	..	22.3	13.5	5.0	8.4	34	..	1.5	..	20.9	0	16	14	04	0	0	0	0	3	7	16	1	0
	1730	652	1011.1	938.2	-1.5	20.1	12.8	5.6	8.9	41	- 4	1.0	-1.6	13.1	0	4	25	02	0	0	2	0	1	2	22	2	0
	2030	652	1013.9	939.7	..	15.5	10.7	5.8	9.0	54	..	0.7	..	7.0	0	0	18	01	0	1	0	0	1	3	12	13	0
JAMSHEDPUR	0830	129	1016.4	1001.1	-1.6	14.1	11.5	8.8	11.5	71	- 4	0.2	-1.7	1.4	0	0	11	01	0	0	0	0	0	4	6	20	0
	1730	129	1011.7	997.0	-1.6	23.6	15.7	8.6	11.5	40	- 8	0.9	-0.8	1.2	0	0	11	01	0	1	0	0	3	3	3	20	0
JAMSHEDPUR P.B.O	0530	142	1013.9	996.9	..	11.2	9.7	8.2	11.0	82	..	0.5	..	0.6	0	0	4	01	0	0	0	0	1	1	1	27	0
	0830	142	1016.1	999.3	-1.6	14.3	11.3	8.4	11.2	68	- 3	0.8	-1.0	2.2	0	0	12	00	0	0	0	1	1	4	6	19	0
	1130	142	1014.8	998.5	..	22.4	13.8	5.2	9.0	33	..	1.1	..	5.9	0	0	23	04	0	0	0	2	1	5	11	8	0
	1430	142	1011.3	995.2	..	25.3	14.8	4.3	8.5	27	..	1.6	..	7.8	0	1	24	02	0	0	0	1	0	5	17	6	0
	1730	142	1011.1	994.9	-1.9	23.8	14.9	6.4	9.8	34	-11	2.0	-0.3	2.1	0	0	6	01	0	0	1	0	0	1	3	25	0
	2030	142	1013.2	996.6	..	16.9	13.4	10.3	12.7	66	..	1.0	..	1.4	0	0	6	01	0	1	1	1	0	0	2	25	0
	2330	142	1014.0	997.2	..	14.4	11.9	9.5	12.0	73	..	1.3	..	0.8	0	0	5	00	0	1	0	0	0	1	3	26	0
CHAIBASA	0830	226	1016.2	989.7	-1.6	16.2	12.0	7.7	10.6	58	-15	1.0	-1.3	0.7	0	0	9	00	1	0	0	0	8	0	0	22	0
	1730	226	1011.3	985.5	-1.9	23.3	15.2	7.9	10.8	39	-12	2.8	+0.2	1.1	0	1	6	00	1	0	0	0	6	0	0	24	0
BIHAR PLAINS																											
MOTIHARI	0830	66	1015.4	1007.5	-1.7	12.3	11.0	9.8	12.2	85	+ 2	0.5c	-1.5	2.7c	0	0	22	00	0	5	0	0	1	13	3	6	0
	1730	66	1009.5	1001.8	-5.0	20.0	16.9	14.8	16.9	72	+ 6	0.4P	-1.5	1.1P	0	0	5	02	0	0	0	0	0	3	0	10	0
FORBESGANJ	0830	61	1015.5	1008.3	-1.8	14.2	12.4	11.0	12.9	81	- 6	1.0	-1.1	2.8	0	0	26	02	1	6	0	1	1	14	1	5	0
	1730	61	1011.5	1004.5	-2.1	18.9	15.2	12.2	14.3	65	+ 2	1.3	-0.7	1.7	0	0	19	00	0	1	0	0	0	18	0	12	0
DARBHANGA	0830	49	1016.6	1010.6	-1.3	15.3	12.4	9.6	12.0	69	-15	0.8	-1.0	1.2	0	0	16	00	1	0	2	0	3	8	2	15	0
	1730	49	1013.0	1007.2	-1.2	20.1	15.5	11.8	13.9	61	+ 0	0.8	-1.2	0.3	0	0	3	00	0	1	0	0	1	1	0	28	0
MUZAFFARPUR	0830		..	..	..	13.4	11.7	10.1	12.3	81	..	0.5	..	2.5	0	0	22	03	0	3	0	2	2	12	0	9	0
	1730		..	..	..	17.8	15.3	13.2	15.4	76	..	0.9	..	1.0	0	0	8	00	0	1	0	1	0	6	0	23	0
CHAPRA	0830	58	1015.1	1008.5	..	12.8	10.1	7.3	10.1	69	..	0.7	..	2.1	0	0	24	00	2	0	0	0	20	0	2	7	0
	1730	58	1012.1	1005.4	..	20.4	14.3	8.8	11.4	48	..	1.5	..	1.4	0	0	20	00	1	0	2	0	10	3	4	11	0
PURNEA	0830	38	1015.7	1011.2	-2.0	14.2	11.9	9.6	12.6	74	-10	1.0	-0.6	1.5	0	0	24	00	1	2	1	0	10	10	0	7	0
	1730	38	1011.9	1007.4	-2.0	19.0	15.3	12.3	14.4	65	+ 2	1.4	+0.0	0.6	0	0	6	00	0	1	0	0	0	5	0	25	0
PATNA	0830	53	1015.7	1009.4	-2.1	12.6	10.2	7.6	10.5	73	+ 2	1.5	-0.5	5.3	0	0	29	02	1	2	0	6	11	6	1	2	0
	1730	53	1012.3	1006.2	-2.0	19.8	13.9	8.2	11.1	48	- 5	1.9	-0.1	4.3	0	0	26	00	0	2	0	0	0	23	1	5	0
PATNA AERODROME	0230	60	1013.1	1006.0	..	10.9	9.4	7.6	0.0	81	..	1.6	..	1.4	0	0	6	00	0	1	0	0	2	3	0	25	0
	0530	60	1013.1	1005.9	..	9.5	7.9	6.1	9.4	81	..	1.3	..	2.5	0	0	11	00	0	0	0	2	3	6	0	20	0
	0830	60	1015.4	1008.2	-1.9	13.1	10.2	7.1	10.1	68	- 9	1.5	-0.6	5.4	0	0	24	01	0	1	1	1	9	11	0	7	0
	1130	60	1014.9	1008.0	..	20.2	13.6	7.1	10.1	44	..	1.5	..	9.2	0	0	28	01	0	2	0	1	1	16	7	3	0
	1430	60	1011.9	1005.1	..	22.6	14.1	5.7	9.2	34	..	2.3	..	12.3	0	4	27	02	1	1	0	0	0	15	12	0	0
	1730	60	1011.8	1004.8	-2.3	19.6	13.7	8.2	10.9	49	- 8	2.5	+0.5	3.8	0	1	15	00	0	1	0	0	0	10	5	15	0
	2030	60	1013.4	1006.3	..	14.4	11.5	8.7	11.2	69	..	1.8	..	2.2	0	0	7	00	0	1	0	2	0	3	1	24	0
	2330	60	1013.7	1006.6	..	12.4	10.3	8.1	10.8	77	..	1.8	..	2.5	0	0	9	00	0	0	1	0	1	6	1	22	0
BHAGALPUR	0530	49	1013.3	1007.4	..	12.0	10.0	7.9	10.6	77	..	1.5	..	2.9	0	0	29	00	0	1	4	13	7	2	1	2	1
	0830	49	1015.7	1009.9	-2.3	13.8	11.2	7.9	11.4	72	- 4	1.6	-0.1	3.4	0	0	30	00	0	2	3	8	9	7	0	1	1
	1130	49	1014.9	1009.2	..	19.8	14.3	9.5	12.0	52	..	1.5	..	5.6	0	0	30	00	1	2	3	0	2	14	6	1	2
	1730	49	1012.0	1006.4	-2.3	19.5	14.7	10.5	12.8	57	- 6	1.9	+0.2	5.0	0	0	31	01	0	2	0	0	6	15	7	0	0
	2330	49	1014.0	1008.2	..	14.6	11.7	8.9	11.5	70	..	1.5	..	3.9	0	0	29	00	0	2	4	6	11	6	0	2	0
SABAUR	0830	37	1016.1	1011.6	-1.7	13.9	11.7	9.5	0.0	75	- 7	1.2	-0.8	2.5	0	0	23	00	0	1	2	2	6	8	4	8	0
	1730	37	1012.0	1007.7	-1.9	19.4	16.3	14.0	0.0	71	+ 6	1.7	-0.3	2.5	0	0	16	01	0	1	0	0	1	6	7	15	0
JAMUI	0830		(R)																								

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JANUARY ,1969PAUSA 11 - MAGHA 11,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BIHAR PLAINS (CONTD.)																											
JAMUI	1730		(R)																								
DEHRI	0830	107	1015.8	1003.0	-2.1	14.8	11.5	8.2	10.9	66	- 7	1.1	-1.0	2.5	0	0	31	00	0	1	2	5	18	4	1	0	0
	1730	107	1011.7	999.3	-2.0	22.1	14.7	7.9	10.7	42	- 8	2.2	+0.1	3.2	0	0	30	00	1	2	0	0	1	23	3	1	0
GAYA	0230	116	1014.5	1000.5	..	10.7	8.7	6.4	9.8	76	..	0.9	..	4.8	0	0	30	01	0	5	10	8	3	2	1	1	0
	0530	116	1014.6	1000.6	..	8.9	7.6	5.9	9.4	82	..	0.8	..	5.2	0	0	29	00	0	6	7	12	2	2	0	2	0
	0830	116	1016.4	1002.6	-1.6	13.6	10.5	7.1	10.3	66	- 3	1.4	-0.8	6.1	0	0	30	00	0	2	5	17	5	1	0	1	0
	1130	116	1015.8	1002.4	..	21.8	13.7	5.6	9.3	36	..	1.6	..	12.6	0	6	25	01	1	2	0	1	5	18	3	0	0
	1430	116	1012.7	999.4	..	23.8	14.4	4.7	8.9	30	..	1.8	..	17.3	0	8	23	03	0	1	0	0	2	18	7	0	0
	1730	116	1012.7	999.2	-1.7	20.5	13.7	7.0	10.3	43	- 4	2.3	+0.3	7.7	0	0	30	04	2	0	0	0	1	14	9	1	0
	2030	116	1014.3	1000.6	..	15.7	11.6	7.4	10.5	58	..	1.6	..	4.4	0	0	26	03	4	1	0	2	5	8	3	5	0
	2330	116	1014.9	1001.0	..	12.4	9.7	6.6	10.0	69	..	1.2	..	4.9	0	0	28	00	0	4	12	5	6	1	0	3	0
SUPAUL	0830		..	..	..	12.2	11.4	10.7	12.9	91	..	.	..	2.1	0	0	20	00	0	15	0	0	0	5	0	0	0
	1730		..	..	..	14.9	14.2	13.6	15.6	93	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UTTAR PRADESH EAST																											
KHERI	0830	147	1014.7	997.0	-3.0	10.4	8.6	6.4	9.8	77	- 6	1.8	-0.2	4.8	0	0	27	02	0	5	0	0	0	19	1	4	0
	1730	147	1011.6	994.5	-2.8	19.5	13.8	8.6	11.3	50	-13	2.3	+0.1	4.6	0	0	25	01	0	2	0	0	0	22	0	6	0
BAHRAICH	0830	124	1015.5	1000.7	-1.8	11.5	9.3	6.7	10.0	73	- 9	1.7	-1.5	3.0	0	0	22	01	2	2	2	0	2	10	3	9	0
	1730	124	1012.2	997.7	-2.2	19.6	13.5	7.5	10.6	47	-10	2.0	-0.3	2.1	0	0	17	00	0	2	0	0	2	9	4	14	0
NAUTANWA	0830	99	1015.3	1003.4	-2.5	11.2	10.1	8.8	11.4	86	- 5	0.6	-1.5	1.4	0	0	19	00	3	2	3	2	4	0	5	12	0
	1730	99	1012.1	1000.6	-2.4	19.5	14.8	10.7	13.1	58	- 4	1.0	-0.9	1.0	0	0	11	00	1	2	1	0	4	2	1	20	0
HARDOI	0830	142	1015.9	998.9	-1.5	13.2	10.2	7.1	10.3	67	-19	0.8	-1.5	1.6	0	0	15	01	0	2	0	0	1	11	0	16	0
	1730	142	1013.0	996.1	-1.6	19.1	13.8	8.9	11.6	53	- 4	1.3	-0.7	1.7	0	0	17	00	0	2	0	0	3	12	0	14	0
GONDA	0830	110	1016.1	1003.0	-1.7	12.9	10.2	7.2	10.3	68	-16	1.3	-0.7	2.9	0	0	22	01	0	3	0	0	0	6	12	8	0
	1730	110	1012.0	999.3	-2.7	19.3	13.8	8.7	11.4	52	- 9	1.6	-0.6	1.3	0	0	12	00	0	1	0	0	0	4	7	18	0
LUCKNOW	0830	111	1016.0	1002.8	-1.7	11.5	9.7	7.6	10.6	79	- 3	1.0	-1.0	0.5	0	0	8	00	0	0	0	0	0	8	0	23	0
	1730	111	1012.0	999.1	-2.4	21.5	15.8	10.3	13.7	54	- 1	1.5	-0.5	0.6	0	0	9	00	0	0	0	0	0	9	0	22	0
LUCKNOW(AMOUSI)	0230	128	1014.0	998.6	..	8.8	7.0	4.8	8.7	76	..	0.5	..	6.8	0	0	30	03	2	2	0	0	1	13	9	1	0
	0530	128	1013.6	998.1	..	7.3	5.9	4.2	8.3	80	..	0.8	..	6.3	0	0	29	02	2	1	2	0	3	15	4	2	0
	0830	128	1015.6	1000.3	-2.2	10.6	8.0	4.7	8.7	68	-17	1.7	-0.7	6.8	0	0	26	00	1	0	2	1	1	15	6	5	0
	1130	128	1015.4	1000.6	..	20.1	12.3	3.6	8.1	34	..	1.5	..	13.1	0	7	24	02	0	2	1	2	2	9	13	0	0
	1430	128	1012.5	997.8	..	22.7	12.7	0.9	6.7	25	..	1.3	..	15.1	0	9	22	04	0	2	1	0	1	7	16	0	0
	1730	128	1012.2	997.4	-2.4	20.1	12.3	3.6	8.1	35	-24	1.5	-0.8	8.7	0	1	30	02	1	0	2	0	0	14	12	0	0
	2030	128	1014.0	998.8	..	12.6	9.3	5.6	9.2	63	..	0.7	..	6.7	0	1	28	00	0	2	1	0	5	15	6	2	0
	2330	128	1016.2	999.3	..	13.1	9.9	5.7	8.9	71	..	0.5	..	10.1	1	0	27	04	1	2	0	0	3	10	8	3	0
FAIZABAD	0830	102	1015.4	1003.3	-2.5	11.2	9.1	7.0	10.1	75	-10	1.6	-0.9	1.4	0	0	15	00	0	1	1	0	0	12	1	16	0
	1730	102	1012.4	1000.6	-2.5	19.0	13.8	8.9	11.6	93	-10	1.8	-0.2	1.0	0	0	9	00	0	0	1	0	0	8	0	22	0
GORAKHPUR	0830	77	1015.3	1006.1	-1.9	12.6	9.9	7.0	10.2	69	-11	1.1	-0.8	1.7	0	0	22	01	0	1	1	2	7	6	4	8	0
	1730	77	1176.6	1009.9	+4.8	21.7	14.4	10.9	13.5	49	- 8	1.3	-0.6	1.2	0	0	17	00	0	2	0	0	4	10	1	14	0
GORKHPUR P.B.O	0230	78	1013.2	1003.8	..	12.4	10.1	8.1	10.9	74	..	0.3	..	3.2	0	0	16	00	1	0	0	0	1	11	3	15	0
	0530	78	1013.1	1003.7	..	11.3	9.4	7.7	10.5	79	..	0.3	..	3.1	0	0	17	00	0	0	0	1	4	10	2	14	0
	1130	78	1015.0	1005.8	..	18.6	13.3	9.2	11.8	54	..	1.7	..	7.5	0	1	28	02	2	1	0	5	7	7	5	2	0
	1430	78	1012.1	1003.1	..	20.8	14.0	8.7	11.5	47	..	1.8	..	7.4	0	1	30	00	0	1	2	3	6	13	6	0	0
	2030	78	1013.4	1004.1	..	16.0	12.7	10.2	12.6	69	..	0.6	..	2.6	0	0	13	01	1	0	0	0	4	6	1	18	0
	2330	78	1013.7	1004.4	..	14.4	11.4	9.0	11.6	71	..	0.5	..	3.5	0	0	16	01	1	0	0	1	2	8	3	15	0
KANPUR	0830	126	1015.4	1000.3	-2.5	11.5	8.5	4.8	8.7	65	-15	1.2	-0.9	4.2	0	0	17	01	0	1	0	1	0	14	0	14	0
	1730	126	1011.7	997.1	-3.1	21.1	13.4	5.5	9.3	37	-14	0.9	-1.1	5.2	0	3	13	01	0	1	0	0	0	14	0	15	0
KANPUR(AERODROME)	0530	126	1014.5	999.3	..	7.8	6.0	3.7	8.1	76	..	0.7	..	5.0	0	0	16	00	0	2	0	0	1	6	5	15	2
	0830	126	1016.2	1001.1	..	11.1	8.3	4.9	8.8	67	..	1.6	..	7.1	0	1	19	01	1	0	1	1	3	11	2	11	0
	1130	126	1019.9	1001.3	..	20.6	12.7	4.1	9.0	40	..	1.4	..	11.8	0	4	24	04	3	1	1	1	1	9	8	3	0
	1730	126	1012.8	998.3	..	20.5	12.6	3.8	8.3	34	..	1.4	..	8.3	0	1	27	00	3	0	1	2	0	10	12	3	0
	2330	126	1015.1	1000.0	..	11.5	8.4	4.6	8.6	63	..	0.7	..	5.1	0	0	20	00	2	2	0	0	1	9	5	11	1
SULTANPUR	0830	97	1016.1	1004.5	-2.7	13.3	9.9	6.0	9.5	63	-11	1.5	-0.3	1.3	0	0	14	00	1	1	0	0	1	10	1	17	0
	1730	97	1012.4	1001.2	-2.5	20.5	14.0	7.7	10.8	45	- 7	1.8	-0.1	0.8	0	0	9	00	0	1	0	0	1	7	0	22	0
AZAMGARH	0830	78	1015.7	1006.4	-1.5	12.0	10.6	9.2	11.7	83	- 3	1.3	-0.4	3.9	0	0	23	00	0	2	0	1	9	11	0	8	0
	1730	78	1012.4	1003.3	-1.8	19.8	16.6	14.2	16.4	71	+ 3	0.8	-0.5	1.8	0	0	12	01	0	1	0	0	2	8	0	19	0
FATEHPUR	0830	114	..	..	..	12.0	9.3	6.2	9.7	68	- 6	1.1	-1.2	3.4	0	0	23	00	0	3	1	0	1	17	1	8	0
	1730	114	..	..	..	20.5	14.0	7.8	10.8	45	- 6	1.3	-1.0	1.7	0	0	17	00	0	1	0	0	0	15	1	14	0
BALLIA	0830	64	1017.0	1009.6	-0.9	13.7	11.0	8.3	11.0	71	-10	1.4	-0.7	1.8	0	0	24	00	0	0	1	0	2	21	0	7	0
	1730	64	1013.2	1005.8	-1.9	19.3	14.1	9.4	12.0	54	- 2	1.5	-0.6	0.6	0	0	7	00	0	0	0	0	1	6	0	24	0
BANDA	0830	121	1018.6	1004.1	+0.4	13.5	10.1	6.2	9.8	63	-13	0.8	-1.5	0.5	0	0	8	00	3	0	0	0	5	0	0	23	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JANUARY 1969 (AUSA 11 - MAGHA 11, 1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind speed (Km. per hour) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																											
BANDA	1730	121	1014.1	1000.1	-0.5	22.1	18.1	15.2	18.0	65	+ 8	1.0	-0.5	8.5	0	0	7	00	2	0	0	0	4	0	1	24	0
ALLAHABAD (BAMHRAULI)	0230	98	1014.2	1002.4	..	10.5	8.3	5.6	9.3	72	..	0.6	..	1.2	0	0	14	00	1	1	0	0	1	9	2	17	0
	0530	98	1014.2	1002.4	..	9.1	7.3	5.1	8.9	77	..	0.6	..	1.4	0	0	14	00	0	0	1	0	4	8	1	17	0
	0830	98	1016.1	1004.4	-1.8	11.7	8.9	5.5	9.3	67	-12	1.9	-0.5	3.2	0	0	21	00	1	2	0	1	3	13	1	10	0
	1130	98	1015.9	1004.5	..	21.3	13.3	5.6	11.0	44	..	1.5	..	11.5	1	0	28	01	0	4	2	0	2	12	8	2	0
	1430	98	1012.8	1001.6	..	24.4	14.3	3.5	8.2	27	..	1.5	..	9.0	0	2	29	04	0	2	0	0	1	12	11	0	1
	1730	98	1012.6	1001.4	-1.9	21.8	14.2	6.8	10.1	39	-14	1.7	-0.7	3.5	0	0	23	02	4	0	0	0	1	7	9	8	0
	2030	98	1015.8	1004.2	..	14.3	11.0	7.7	10.6	65	..	0.7	..	1.0	0	0	8	00	0	0	0	0	1	5	2	23	0
	2330	98	1014.7	1003.0	..	12.4	9.6	6.3	9.7	67	..	0.6	..	1.0	0	0	10	00	0	1	1	0	0	7	1	21	0
VARANASI (BABATPUR)	0530	85	1014.4	1003.9	..	8.9	7.5	5.7	9.4	81	..	0.8	..	3.6	0	0	14	00	0	1	0	2	8	3	0	17	0
	0830	85	1017.6	1006.0	-2.1	12.8	11.8	6.6	11.6	81	+ 4	1.4	-0.9	10.5	1	0	28	01	0	2	1	1	9	11	2	2	2
	1130	85	1016.0	1006.0	..	20.6	13.3	5.8	9.5	39	..	1.4	..	11.6	0	3	26	00	0	2	0	1	2	20	3	2	1
	1730	85	1012.9	1002.9	-2.2	20.4	13.4	6.2	9.8	41	-16	1.5	-0.6	7.2	0	0	29	01	1	1	0	0	2	19	2	2	3
	2330	85	1014.7	1004.4	..	11.7	9.3	6.7	10.0	73	..	0.4	..	3.4	0	0	12	00	0	1	0	0	3	7	0	19	1
VARANASI	0830	76	1015.9	1006.8	-1.8	13.2	10.2	7.2	10.5	67	-13	1.0	-0.3	1.6	0	0	17	00	0	0	0	0	5	12	0	14	0
	1730	76	1012.5	1003.7	-2.0	21.4	14.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	[illegible]	00	0	1	0	0	0	14	7	9	0
UTTAR PRADESH WEST																											
MUKHIM	0830		..	..	..	7.5	3.8	- 1.3	5.6	56	+ 0	1.8	..	1.9	0	0	16	00	0	4	2	0	3	1	6	15	0
	1730		..	..	..	8.2	4.4	- 0.6	5.9	56	- 3	1.5	..	1.5	0	0	11	00	1	3	1	1	1	3	1	20	0
TEHRI	0830		..	..	..	6.3	5.7	5.0	[illegible]	91	+ 0	[illegible]	+0.8	0.3	0	0	1	00	1	0	0	0	0	0	0	30	0
	1130		..	..	..	12.5	8.7	4.4	8.5	59	..	[illegible]	..	0.3	0	0	3	00	1	0	1	0	0	1	0	28	0
	1730		..	..	..	15.2	9.5	3.1	7.8	37	-11	[illegible]	+0.4	0.6	0	0	4	00	0	2	0	1	0	0	0	27	1
DEHRA DUN	0530		..	..	..	..	..	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	6	04	2	1	0	0	0	0	0	24	0
	0830	682	1016.5	936.6	-2.1	7.8	6.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.2	0	0	13	10	0	1	0	0	1	1	0	18	0
	1130	682	1015.1	937.5	..	16.0	10.9	[illegible]	[illegible]	51	..	[illegible]	..	[illegible]	0	0	17	00	0	1	3	3	5	5	0	14	0
	1730	682	1012.2	934.9	-2.3	16.2	11.4	[illegible]	[illegible]	36	- 1	[illegible]	-0.6	1.8	0	0	18	01	0	0	1	4	1	9	2	13	0
	2330	682	1015.7	936.5	..	9.8	8.1	6.3	9.4	79	..	2.1	..	0.7	0	0	7	05	2	0	0	0	0	0	0	24	0
MANSIARI	0830		..	..	..	3.8	1.2	- 4.8	4.1	49	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	5.1	2.0	- 4.8	4.1	98	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ROORKEE	0830	274	1017.8	984.9	-0.2	9.1	7.4	5.3	8.9	90	+ 6	2.1[a]	-1.0	1.0[a]	0	0	13	00	0	0	2	0	0	0	11	17	0
	1730	274	1013.4	981.7	-1.3	18.5	12.2	5.5	9.2	45	- 9	2.1[a]	-1.2	1.5[a]	0	0	22	00	0	0	3	0	0	0	19	8	0
NAJIBABAD	0830	270	1016.4	984.0	-1.8	8.3	7.3	6.0	9.5	86	- 3	1.0	-0.4	1.7	0	0	16	03	1	2	2	0	1	2	5	15	0
	1730	270	1012.8	981.9	-2.7	18.0	13.0	8.0	[illegible]	54	- 5	1.9	-0.1	2.6	0	0	26	01	0	0	2	2	0	8	12	5	1
MEERUT	0830	222	1017.0	990.3	-1.6	8.8	7.3	5.5	9.1	80	+ 2	0.6	-1.4	4.0	0	0	25	01	2	2	1	0	0	6	13	6	0
BAREILLY	0830	173	1015.8	995.1	-1.8	11.1	8.9	6.4	9.7	74	- 7	1.9	-0.8	9.2	0	0	28	01	1	2	0	0	3	18	3	3	0
	1730	173	1012.1	992.1	-2.3	19.8	13.4	7.1	[illegible]	45	- 9	2.2	-0.7	2.4	0	0	20	00	1	0	0	0	4	14	0	11	0
BAREILLY P.B.O.	0230	172	1013.9	993.3	..	11.0	8.2	5.4	[illegible]	[illegible]	..	1.7	..	5.0	0	0	23	02	1	1	1	0	0	14	4	8	0
	0530	172	1013.6	993.0	..	9.9	7.6	5.3	9.0	74	..	1.8	..	4.5	0	0	26	01	1	1	1	0	0	12	10	5	0
	1130	172	1015.5	995.3	..	16.9	11.4	6.5	9.8	52	..	2.0	..	8.5	0	0	31	00	3	3	1	0	0	13	11	0	0
	1430	172	1012.5	992.6	..	20.6	12.1	4.4	[illegible]	37	..	[illegible]	..	9.8	0	0	29	00	0	2	2	0	0	12	13	2	0
	2030	172	1014.0	993.6	..	14.4	10.4	6.7	[illegible]	60	..	[illegible]	..	3.8	0	0	20	00	1	2	0	1	1	10	5	11	0
	2330	172	1014.5	994.0	..	12.6	9.1	5.7	9.3	64	..	1.4	..	5.1	0	0	23	02	0	2	1	0	0	12	6	8	0
ALIGARH	0830	187	1017.1	994.1	-1.5	9.0	6.6	3.4	8.0	69	- 5	2.6	+0.3	2.6	0	0	24	00	0	2	0	0	0	0	22	0	7	0
	1730	187	1014.0	991.5	-1.8	18.9	12.8	6.5	9.8	45	- 2	2.6	+0.3	1.9	0	0	21	00	0	2	0	1	0	18	0	10	0
MAINPURI	0830	157	1016.3	997.4	-1.7	9.8	8.0	5.9	9.5	77	- 3	1.8	-0.7	2.1	0	0	14	00	0	1	0	0	0	13	0	17	0
	1730	157	1013.1	994.9	-1.7	19.9	14.0	8.7	[illegible]	49	- 4	1.6	-0.8	0.9	0	0	8	00	0	0	0	0	0	7	1	23	0
AGRA	0830	169	988.8	994.9	-3.3	11.1	10.5	6.0	11.1	83	+10	1.4	-0.9	0.5	0	0	7	00	0	0	0	0	1	0	6	24	0
	1730	169	1013.2	993.7	-2.0	20.9	14.0	7.6	10.6	43	- 2	1.7	-0.4	3.5	0	0	21	00	1	0	1	0	4	0	15	10	0
AGRA AERODROME	0230	169	1016.9	995.1	..	11.9	9.1	5.7	10.9	94	..	1.0	..	2.0	0	0	7	01	0	0	3	0	0	0	3	24	0
	0530	169	1015.3	994.8	..	7.7	6.1	4.2	8.4	78	..	1.5	..	3.2	0	0	13	00	0	1	1	2	0	5	4	18	0
	0830	169	1017.1	996.8	..	9.8	7.4	4.3	8.5	67	..	2.2	..	5.8	0	1	17	00	0	2	1	0	0	8	7	13	0
	1130	169	1016.9	997.2	..	19.5	12.6	5.3	9.1	41	..	1.8	..	10.8	0	1	26	03	0	2	3	2	0	3	14	4	0
	1730	169	1013.5	993.9	..	19.9	15.6	9.4	12.1	60	..	2.0	..	10.8	1	0	24	07	1	1	3	0	2	2	9	6	0
	2330	169	1015.8	995.6	..	11.1	8.4	5.2	8.9	68	..	1.0	..	3.4	0	0	12	01	1	3	1	1	0	1	4	19	0
ORAI	0830	141	1017.8	1001.2	-0.5	16.9	12.0	7.0	10.3	52	-21	1.3	-0.8	3.2	0	0	26	04	6	1	0	1	0	0	14	5	0
	1730	141	1010.8	994.9	-3.6	22.5	14.4	8.3	12.2	73	+19	0.5	-1.2	18.7	1	0	30	11	7	0	1	0	0	7	5	0	0
JHANSI	0830	251	1017.9	988.3	-0.4	12.9	9.1	4.4	8.6	59	- 7	1.1	-1.1	0.3	0	0	4	01	0	0	0	0	0	3	0	27	0
	1730	251	1013.6	984.9	-0.7	20.9	14.4	8.0	11.0	46	+ 7	0.5	-1.5	0.0	0	0	10	02	0	0	0	2	0	6	0	21	0
MORADABAD	0830	198	000.0	991.6	..	9.9	8.3	6.3	9.7	78	..	0.3	..	5.0	0	0	27	01	1	0	0	0	2	0	23	4	0
	1730	198	000.0	988.4	..	19.7	16.0	13.2	15.2	67	..	1.0	..	5.5	0	0	31	00	1	2	0	0	0	0	28	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JANUARY ,1969 (PAUSA 11 - MAGHA 11,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or lat. in gen. of mean standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point				Mean amount	Departure from normal		Wind speed (Km. p. h.)			Wind direction										
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST(CONTD.)																												
UTTAR KASHI	0830		..	..	..	5.2	3.9	2.0	7.1	79	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730		(R)																									
ASCUT	0830		000.0	854.5	..	6.4	4.4	1.9	7.1	74	..	3.1	..	0.6	0	0	9	02	4	0	1	0	0		2	22	0
	1730		000.0	854.0	..	9.7	6.1	2.1	7.2	60.	..	3.1	..	0.6	0	0	7	02	0	0	0	0	3	.	1	24	0
DHARCHULA	0830		000.0	929.0	..	7.3	6.1	4.7	8.6	84	..	2.5	..	0.2	0	0	2	02	0	0	0	0	0	0	0	29	0
	1730		000.0	925.0	..	14.6	9.3	3.5	7.9	50	..	2.8	..	0.2	0	0	2	02	0	0	0	0	0	0	0	29	0
HARYANA(INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	0830	347	1014.9	974.3	-1.8	12.3	9.1	5.6	9.2	65	-13	2.1	+0.0	1.9	0	0	17	00	0	0	4	0	0	0	13	14	0
	1730	347	1012.7	971.9	-2.6	17.6	11.1	3.8	8.2	41	-17	1.8	-0.1	3.3	0	0	22	00	0	0	1	0	7	2	12	9	0
AMBALA	0830	272	1016.1	983.9	-1.5	9.6	7.4	4.5	8.6	71	- 8	1.5	-1.1	2.1	0	0	27	00	7	0	1	0	0	0	19	4	0
	1730	272	1013.1	981.5	-2.1	17.4	15.1	6.9	8.7	42	-10	1.4	-1.2	4.2	0	2	26	00	2	0	1	1	2	0	22	3	0
AMBALA P.B.O.	0230	278	1015.3	982.0	..	10.5	9.0	7.7	10.4	83	..	1.6	..	5.0	0	2	17	00	0	0	2	1	0	0	16	12	0
	0530	278	1017.1	981.5	..	9.2	7.8	6.5	9.7	83	..	1.5	..	4.3	0	0	17	00	0	0	2	0	0	0	15	14	0
	1130	278	1016.2	983.7	..	16.6	13.0	10.4	12.7	67	..	2.9	..	8.1	0	0	24	00	0	0	5	1	0	0	18	7	0
	1430	278	1013.4	981.2	..	18.4	13.9	10.8	13.1	62	..	2.6	..	8.3	0	0	27	00	2	0	4	1	0	2	18	4	0
	2030	278	1014.6	982.0	..	14.4	11.9	9.9	12.3	75	..	1.6	..	6.9	0	0	26	00	1	0	3	0	0	2	20	5	0
	2330	278	1015.3	982.4	..	12.3	10.4	8.6	11.2	80	..	1.8	..	8.2	0	1	24	01	0	2	2	0	0	0	20	6	0
AMBALA AERODROME	0530	274	1014.7	981.6	..	6.5	5.5	4.2	8.4	85	..	1.9	..	8.6	0	1	18	00	0	2	1	0	0	7	9	12	0
	0830	274	1015.9	982.9	..	7.6	6.1	4.3	8.3	80	..	3.1*	..	9.6	0	2	20	00	1	1	2	0	0.	5	13	9	0
	1130	274	1015.8	983.9	..	17.0	11.4	5.2	9.0	46	..	3.1	..	15.1	0	7	24	00	0	2	5	1	1	7	15	0	0
	1730	274	1012.9	981.4	..	17.4	11.8	5.9	9.4	47	..	2.9	..	15.3	0	6	24	00	0	0	1	0	2	12	15	1	0
	2330	274	1015.3	982.5	..	9.5	7.5	4.9	8.8	74	..	2.1	..	10.4	0	3	19	00	0	3	1	0	1	9	8	9	0
KARNAL	0830	249	1016.2	986.4	-1.7	10.0	7.5	4.3	8.5	69	-16	1.4	-1.4	3.2	0	0	21	00	1	1	2	0	1	12	4	10	0
	1730	249	1012.9	984.0	-2.2	18.5	11.3	2.6	7.6	36	-15	1.8	-1.4	4.5	0	0	27	02	1	2	0	0	1	14	7	4	0
HISSAR	0530	221	1015.5	988.8	..	7.6	5.9	3.8	8.2	78	..	1.5	..	2.7	0	0	20	04	0	1	0	1	8	4	2	11	0
	0830	221	1017.2	990.5	-1.6	7.6	5.8	3.6	8.0	78	+ 2	2.7	+0.4	3.9	0	0	25	02	1	1	2	2	6	11	0	6	0
	1130	221	1017.0	991.2	..	17.6	12.7	7.8	10.7	54	..	1.8	..	5.9	0	0	27	06	0	1	4	2	2	9	2	4	1
	1430	221	1014.2	988.7	..	21.2	14.3	7.7	10.8	43	..	2.1	..	10.1	1	0	27	06	0	2	1	1	3	7	5	3	3
	1730	221	1013.6	988.0	-2.0	20.1	14.0	8.4	11.2	48	+ 4	1.9	-0.3	7.2	0	1	25	08	0	1	3	0	2	2	10	5	0
	2330	221	1015.7	989.3	..	11.4	8.9	6.1	9.7	70	..	1.7	..	4.1	0	0	25	04	2	3	3	0	0	8	5	6	0
NEW DELHI/SAFDARJUNG	0230	216	1015.2	989.3	..	10.2	7.3	3.4	8.0	64	..	1.7	..	5.2	0	0	25	01	0	2	1	0	2	7	12	6	0
	0530	216	1014.9	988.9	..	9.1	6.6	3.2	7.9	67	..	1.7	..	4.8	0	0	23	01	0	2	0	0	0	13	7	8	0
	0830	216	1016.7	990.6	-1.6	9.3	6.6	2.9	7.7	65	- 7	2.5	-0.5	7.3	0	0	28	00	2	2	0	0	5	15	4	3	0
	1130	216	1016.7	991.4	..	17.6	10.9	2.9	7.6	39	..	2.2	..	12.4	0	5	25	01	0	2	3	1	1	8	14	1	0
	1430	216	1013.4	988.5	..	21.3	12.3	1.6	7.1	28	..	1.9	..	15.0	0	10	20	02	1	3	2	0	0	7	15	1	0
	1730	216	1013.1	988.1	-1.8	20.0	11.8	1.9	7.2	31	-10	2.3	-0.4	9.8	0	1	29	01	1	4	1	0	1	4	18	1	0
	2030	216	1014.9	989.3	..	14.0	9.6	4.2	8.4	53	..	1.7	..	5.7	0	2	21	01	0	3	0	0	0	5	14	8	0
	2330	216	1015.5	989.8	..	11.8	8.4	4.1	8.4	60	..	1.4	..	5.5	0	1	23	00	1	0	3	1	0	9	10	7	0
PALAM AERODROME	0230	233	1015.4	987.3	..	9.0	6.3	2.5	7.5	64	..	1.6	..	5.0	0	0	20	02	1	1	3	0	6	4	3	11	0
	0530	233	1015.4	987.2	..	7.2	5.2	2.4	7.4	72	..	1.8	..	4.6	0	0	21	01	1	1	2	0	10	4	2	10	0
	0830	233	1017.0	988.9	..	8.0	5.7	2.1	7.3	66	..	2.5	..	7.3	0	0	27	00	2	2	1	0	9	12	1	4	0
	1130	233	1016.8	989.6	..	17.4	10.3	1.4	7.0	35	..	2.1	..	12.3	0	5	25	04	0	3	1	1	2	3	16	1	0
	1430	233	1013.8	987.0	..	21.1	11.5	- 1.3	5.8	24	..	1.8	..	15.9	0	10	21	07	2	0	1	2	0	3	14	0	2
	1730	233	1013.3	986.4	..	19.6	11.2	0.4	6.5	29	..	2.2	..	9.6	0	1	29	09	1	2	1	0	1	3	13	1	0
	2030	233	1014.9	987.4	..	13.9	9.0	2.9	7.7	48	..	1.6	..	6.9	0	1	22	04	1	1	3	2	1	2	9	8	0
	2330	233	1015.7	987.8	..	11.0	7.5	2.7	7.6	58	..	1.5	..	5.8	0	1	21	02	3	1	5	2	4	3	2	9	0
GURGAON	0830		..	..	..	10.2	6.7	1.9	7.1	57	..	2.0*	..	2.5*	0	0	21	00	2	0	0	0	2	17	0	9	0
	1730		..	..	..	20.5	11.9	1.9	7.1	30	..	1.9*	..	5.7*	0	0	26	00	1	2	1	0	1	17	4	4	0
NARNAUL	0830		(R).																								
	1730		(R)																								
ROHTAK	0830	219	000.0	986.3	..	8.7	6.9	4.6	8.5	76	..	2.9	..	7.6	0	0	27	05	1	3	1	1	4	12	3	4	0
	1730	219	000.0	984.8	..	17.9	12.8	8.7	11.6	57	..	2.1	..	7.9	0	0	29	05	2	1	1	0	2	11	10	2	0
PUNJAB																											
PATHANKOT	0530	312	1015.7	978.2	..	6.7	5.9	4.9	8.8	87	..	2.9	..	5.7	0	1	16	04	7	3	0	1	0	1	1	14	0
	0830	312	1016.5	979.0	-1.8	7.6	6.5	5.1	8.9	85	+ 1	3.8	-0.1	7.2	0	3	19	03	8	3	2	5	0	1	0	9	0
	1130	312	1016.5	980.1	..	16.1	1.3	5.9	9.5	53	..	4.0	..	9.5	0	2	26	01	4	3	4	7	2	3	4	3	0
	1730	312	1013.8	977.5	-2.4	16.4	11.8	6.7	10.2	55	- 6	4.4	-0.2	9.8	0	4	21	01	2	1	0	1	3	16	1	6	0
	2330	312	1016.2	978.8	..	8.5	7.5	6.2	9.6	86	..	3.3	..	5.6	0	1	19	01	10	4	1	1	0	1	2	11	0
AMRITSAR	0530	234	1015.6	987.2	..	5.8	4.7	3.1	7.7	83	..	2.5	..	10.4	0	3	27	02	4	3	0	0	2	9	10	1	0
	0830	234	1016.8	988.3	-1.9	5.7	4.7	3.3	7.9	85	- 7	3.1	+0.0	8.7	0	1	29	01	3	5	3	0	3	6	9	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JANUARY 1969 (PAUSA 11 - MAGHA 11, 1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
PUNJAB																											
AMRITSAR	1130	234	1017.2	989.6	..	15.3	10.2	4.3	8.4	49	..	3.0	..	10.5	0	5	20	00	0	3	2	1	1	6	12	6	0
	1430	234	1014.5	987.3	..	18.6	11.4	2.8	7.7	36	..	3.7	..	16.0	0	10	20	01	2	0	2	0	0	9	16	1	0
	1730	234	1014.1	986.7	-1.8	16.5	11.2	5.2	9.1	49	-12	3.9	+0.5	10.9	0	0	31	04	2	1	1	1	1	9	12	0	0
	2030	234	1015.6	987.7	..	10.9	8.4	5.4	9.2	70	..	3.5	..	11.0	0	0	31	03	1	2	1	1	1	15	7	0	0
ADAMPUR AERODROME	0830	249	1016.8	986.5	..	5.0	3.3	0.6	6.4	74	..	3.4	..	5.2	0	0	19	04	4	3	1	0	0	2	5	12	0
	1730	249	1014.2	985.1	..	16.0	10.1	2.8	7.6	42	..	3.5	..	12.6	0	1	26	03	1	1	1	1	0	0	20	4	0
LUDHIANA	0830	247	1018.1	988.8	+0.2	7.4	5.6	3.3	8.0	76	- 7	2.6	-0.3	2.2	0	0	12	00	0	0	1	1	1	0	9	19	0
	1730	247	1013.7	985.0	-1.9	18.0	11.8	5.0	8.9	43	-10	2.8	-0.2	4.3	0	0	26	01	1	0	4	0	2	1	17	5	0
FEROZEPUR	0830		..	..	..	8.1	7.1	5.7	9.3	85	- 4	1.6	-0.9	1.4	0	0	15	03	1	0	0	0	0	1	10	16	0
	1730		..	..	..	17.7	13.9	10.3	13.0	63	+ 8	2.4	-0.5	2.5	0	0	27	09	1	0	0	2	0	1	14	4	0
HALWARA AERODROME	0530	242	1015.8	986.2	..	5.3	4.4	3.0	7.7	86	..	1.9	..	10.4	0	1	24	06	2	0	1	2	0	5	9	6	0
	0830	242	1016.7	987.4	..	6.5	5.2	3.4	7.9	81	..	2.8	..	8.4	0	1	21	03	2	0	3	1	0	5	8	9	0
	1130	242	1016.7	988.4	..	17.0	10.8	3.5	8.0	42	..	2.6	..	16.5	0	8	22	05	1	2	2	1	1	3	15	1	0
	1730	242	1013.7	985.5	..	16.9	11.1	4.5	8.6	45	..	2.9	..	14.8	0	4	26	01	0	2	2	0	0	8	17	1	0
	2330	242	1016.0	986.9	..	8.5	6.8	4.6	8.6	77	..	2.1	..	8.7	0	3	16	03	1	1	3	1	0	1	9	12	0
PATIALA	0830	251	1016.8	986.8	-1.0	8.3	6.7	4.6	8.7	78	- 3	2.9	-0.2	10.5	1	1	16	00	0	0	6	0	0	0	12	13	0
	1730	251	1013.5	984.6	-1.3	17.3	11.3	4.5	8.7	44	-11	3.1	+0.0	8.5	0	7	9	00	0	0	1	0	0	0	15	15	0
BHATINDA	0830	211	1017.5	992.0	..	12.0	8.3	3.6	8.1	56	-20	1.0	-0.6	1.3	0	0	14	00	0	0	3	0	3	0	8	17	0
	1730	211	1013.7	989.0	..	17.1	10.8	3.3	7.8	40	-14	0.0	-1.0	0.5	0	0	7	00	0	0	0	0	0	0	7	24	0
HIMACHAL PRADESH																											
MANDI	0830	761	1012.8	929.8	-1.1	9.5	7.2	3.8	8.2	85	-10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	761	1014.2	927.6	-0.4	14.2	10.1	5.9	9.4	58	- 3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BILASPUR	0830	493	1018.0	948.6	-2.9	7.2	6.3	5.6	9.1	90	- 6	4.5	-2.1	0.6	0	0	5	01	0	1	0	1	1	1	0	26	0
	1730	493	1012.8	946.1	-2.6	16.5	11.5	7.3	10.3	56	- 2	3.2	-1.1	2.5	0	0	20	01	8	0	3	2	1	2	3	11	0
JAMMU AND KASHMIR																											
MISGAR	0830		(R)																								
	1730		(R)																								
GILGIT	0830		(R)																								
	1730		(R)																								
SKARDU	0830		(R)																								
	1730		(R)																								
LEH	0530	3514	3108.8	664.4	..	-15.3	-16.9	-26.0	0.7	39	..	5.8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	0830	3514	3115.5	664.9	-0.1	- 9.7	-11.6	-19.2	1.1	42	-19	5.7	+0.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	3514	3078.3	662.6	-1.3	- 6.9	- 9.1	-15.7	1.7	45	- 6	5.7	+1.2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SRINAGAR	0230	1587	1532.0	844.5	..	- 1.3	- 1.8	- 2.4	5.1	93	..	7.0	..	2.0	0	0	19	00	1	0	13	0	0	0	5	12	0
	0530	1587	1527.6	843.9	..	- 1.8	- 2.2	- 2.8	4.9	93	..	7.2	..	2.4	0	0	22	00	3	0	10	0	0	0	9	9	0
	0830	1587	1532.8	844.4	-1.3	- 1.6	- 2.0	- 2.7	5.0	93	+ 5	7.2	+0.1	1.9	0	0	18	00	0	1	8	0	0	1	8	13	0
	1130	1587	1540.0	845.3	..	0.8	- 0.3	- 1.8	5.3	84	..	6.6	..	2.9	0	0	23	01	1	0	14	1	0	0	6	8	0
	1430	1587	1521.1	843.4	..	2.3	0.6	- 1.7	5.3	76	..	6.8	..	3.2	0	0	25	01	0	0	15	0	0	1	8	6	0
	1730	1587	1517.6	842.9	-1.3	1.2	- 0.0	- 1.9	5.3	81	+ 3	6.5	+0.4	3.2	0	0	23	02	0	1	10	0	0	1	9	8	0
	2030	1587	1526.9	843.5	..	- 0.2	- 0.8	- 1.8	5.3	89	..	6.3	..	2.6	0	0	21	00	1	0	9	1	0	0	10	10	0
	2330	1587	1527.7	844.0	..	- 0.8	- 1.2	- 2.0	5.3	92	..	6.4	..	2.1	0	0	20	00	0	0	9	0	0	0	11	11	0
SRINAGAR AERODRUME	0530	1666	1527.1	835.5	..	- 2.1	- 2.5	- 3.2	4.7	92	..	7.3	..	1.5	0	0	7	01	0	2	1	2	1	0	0	24	0
	0830	1666	1536.5	836.4	..	- 2.1	- 2.5	- 3.3	4.7	91	..	7.2	..	2.8	0	0	11	00	0	4	1	4	1	1	0	20	0
	1130	1666	1545.0	837.4	..	0.1	- 0.6	- 1.7	5.4	88	..	7.0	..	4.7	0	1	15	01	1	5	2	3	0	3	1	15	0
	1730	1666	1521.0	834.9	..	0.6	- 0.4	- 1.6	5.4	85	..	6.3	..	5.0	0	1	14	01	0	3	5	2	0	3	1	16	0
	2330	1666	1530.2	836.0	..	- 1.4	- 2.1	- 3.2	4.8	87	..	6.5	..	3.5	0	0	13	01	0	2	3	3	0	4	0	18	0
QAZIGUND	0830	1690	..	..	..	- 3.0	- 3.6	- 4.4	4.4	90	..	7.4	..	4.5	0	1	23	00	1	10	0	4	5	4	0	7	0
	1730	1690	..	..	..	0.5	- 0.2	- 1.1	5.7	90	..	6.1	..	5.0	0	1	24	00	2	1	0	7	3	12	0	6	0
BANIHAL	0830		1506.4	837.3	..	2.0	0.3	- 2.2	5.2	76	..	4.1	..	1.4	0	0	7	06	0	0	0	1	0	0	0	24	0
	1730		1484.7	838.4	..	5.6	2.8	- 1.3	5.5	63	..	4.4	..	3.2	0	0	13	11	0	0	0	2	0	0	0	18	0
JAMMU	0830		(R)																								
	1730		(R)																								
JAMMU AERODROME	0530	292	1015.8	980.6	..	8.1	6.1	5.0	8.2	74	..	2.5	..	2.5	0	0	11	01	8	2	0	0	0	0	0	20	0
	0830	292	1016.8	981.5	..	8.4	6.3	3.7	8.0	73	..	3.5	..	4.8	0	2	14	01	12	0	1	0	0	0	2	15	0
	1130	292	1017.0	982.6	..	15.6	10.4	4.4	8.5	48	..	3.9	..	3.1	0	0	13	00	2	2	1	2	2	1	3	18	0
	1730	292	1014.2	980.0	..	16.5	11.1	4.9	8.9	47	..	4.1	..	2.6	0	0	10	00	2	0	2	0	1	4	1	21	0
	2330	292	1016.3	981.2	..	9.5	7.6	5.3	9.0	75	..	2.7	..	2.5	0	1	6	01	6	0	0	0	0	0	0	24	0
GULMARG (RESEARCH INSTITUTE)	0830	2655	3018.4	736.6	..	- 7.2	- 7.3	- 7.9	3.2	92	..	5.5	..	3.2	0	0	31	00	0	5	0	2	1	18	5	0	0
	1130	2655	3070.6	738.0	..	- 3.4	- 3.9	- 5.0	4.1	90	..	5.6	..	3.0	0	0	31	02	0	6	2	0	0	20	1	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JANUARY ,1969 (PAUSA 11 - MAGHA 11,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of mean standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p.h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD.)																											
GULMARG (RESEARCH INSTITUTE)	1730	2655	3049.5	736.2	..	- 4.6	- 5.2	- 6.2	3.7	89	..	5.0	..	3.2	0	0	31	00	0	6	2	0	0	21	2	0	0
RAJASTHAN, WEST																											
GANGANAGAR	0530	177	1015.5	994.1	..	7.0	5.0	3.0	7.1	72	..	0.8	..	0.2	0	0	1	00	1	0	0	0	0	0	0	30	0
	0830	177	1016.8	995.3	-1.8	7.0	4.9	1.9	7.1	71	- 9	1.7	-0.8	1.0	0	0	8	01	0	1	4	1	0	1	0	23	0
	1130	177	1017.2	996.4	..	16.8	10.5	3.0	7.8	41	..	2.3	..	1.9	0	0	14	00	3	2	2	0	3	1	3	17	0
	1730	177	1013.5	993.0	-2.2	19.8	12.2	3.6	8.2	35	-10	1.9	-0.6	0.6	0	0	5	02	2	0	0	0	1	0	0	26	0
	2330	177	1015.8	994.6	..	11.0	7.9	4.0	8.2	63	..	1.1	..	0.5	0	0	2	00	1	1	0	0	0	0	0	29	0
ANUPGARH	0830		(R)																								
	1730		(R)																								
CHURU	0830	291	1017.7	982.5	-1.5	6.8	3.9	- 0.8	5.9	60	-16	1.9	-1.0	2.7	0	0	17	01	0	5	2	3	2	3	1	14	0
	1730	291	1013.1	979.7	-1.9	21.6	13.9	6.1	9.9	38	+ 0	1.8	-0.6	5.4	0	1	28	18	1	2	0	0	0	5	3	2	0
BIKANER	0830	224	1017.2	990.3	-1.2	9.7	5.8	- 0.3	6.2	51	-13	1.8	+0.0	4.1	0	0	25	03	2	5	5	2	7	1	0	6	0
	1730	224	1013.2	987.5	-1.5	22.2	13.4	3.7	8.4	32	- 2	2.1	+0.5	7.0	0	0	29	06	9	1	1	0	7	1	4	2	0
BIKANER P.B.O.	0530	224	1015.7	988.5	..	7.1	3.4	- 3.2	4.9	50	..	1.1	..	1.4	0	0	6	03	0	1	0	0	2	0	0	25	0
	1130	224	1016.9	990.9	..	19.5	10.1	- 3.8	4.9	23	..	1.3	..	4.6	0	0	28	01	7	3	7	4	4	1	1	3	0
	1430	224	1013.4	987.7	..	23.3	11.9	- 4.2	4.8	18	..	1.7	..	6.3	0	1	29	06	8	0	3	4	5	4	0	1	0
	2030	224	1015.2	988.8	..	15.3	8.7	- 0.6	6.1	36	..	1.0	..	2.6	0	0	14	05	4	0	0	0	1	2	2	17	0
	2330	224	1015.9	989.2	..	12.2	6.6	- 2.4	5.3	38	..	1.1	..	3.2	0	0	12	05	3	0	0	2	0	1	1	19	0
NAGAUR	0830	298	1017.1	981.7	-1.7	12.6	8.9	4.3	8.5	58	+ 4	1.6	+0.1	4.2	0	0	25	04	5	4	3	5	3	1	0	6	0
	1730	298	1012.5	978.5	-1.8	22.5	17.1	13.1	15.3	57	+22	1.8	+0.4	6.8	0	1	30	12	4	1	0	1	4	3	6	0	0
PHALODI	0830	234	1017.5	989.0	-1.1	10.7	5.2	- 4.3	4.5	36	-26	1.5	-0.5	7.7	0	1	29	01	1	5	10	10	1	1	1	1	0
	1730	234	1014.1	987.4	-1.1	22.8	12.4	- 0.3	6.2	22	-14	1.2	-1.0	9.6	0	1	29	09	4	2	1	1	4	5	4	1	0
JAISALMER	0830	242	1016.0	987.1	-1.7	10.1	5.8	- 0.6	6.2	47	-17	1.1	-0.2	6.1	0	2	22	07	7	0	1	3	4	1	1	7	0
	1730	242	1012.3	984.8	-1.8	23.1	14.3	4.4	9.2	33	- 8	0.8	-0.8	12.9	0	4	27	08	7	0	0	4	5	3	4	0	0
JODHPUR	0230	224	1014.9	988.4	..	14.1	8.3	- 0.6	6.3	39	..	1.1	..	11.3	0	0	28	09	16	1	0	0	1	0	1	3	0
	0530	224	1014.8	988.2	..	12.2	6.7	- 1.0	5.9	43	..	1.1	..	10.8	0	0	29	08	15	4	0	0	1	0	1	2	0
	0830	224	1016.6	989.9	-1.3	13.8	7.4	2.0	6.7	51	+ 1	1.8	-0.2	13.9	1	1	26	06	17	1	2	0	1	1	0	3	0
	1130	224	1016.5	990.6	..	20.8	11.8	0.1	6.7	28	..	1.2	..	12.9	0	3	26	01	12	8	2	0	2	2	1	2	1
	1430	224	1013.1	987.6	..	25.4	13.7	- 1.0	6.3	20	..	1.2	..	13.9	0	8	22	02	13	3	1	0	5	2	2	1	2
	1730	224	1012.4	986.9	-1.5	24.1	13.3	- 0.9	6.6	22	- 5	1.5	-0.7	11.6	0	2	28	04	12	7	1	0	2	3	1	1	0
	2030	224	1014.3	988.2	..	18.5	11.2	1.8	7.4	36	..	1.3	..	9.0	0	0	26	06	10	2	1	1	2	3	1	5	0
	2330	224	1015.1	988.8	..	16.2	9.6	- 0.0	6.6	36	..	1.2	..	11.3	0	1	26	07	13	2	0	0	2	0	3	4	0
BARMER	0530	194	1014.0	990.9	..	12.9	7.5	- 0.3	6.3	41	..	0.8	..	4.1	0	0	26	08	3	0	0	0	1	1	13	5	0
	0830	194	1015.5	992.4	-1.9	13.0	8.0	1.3	7.2	45	- 8	1.1	-0.7	3.8	0	0	25	05	2	1	0	0	2	1	14	6	0
	1130	194	1016.0	993.5	..	20.3	12.5	3.4	8.4	35	..	1.1	..	4.8	0	0	29	06	11	1	0	0	4	0	7	2	0
	1730	194	1011.6	989.5	-2.2	24.9	15.1	5.1	9.4	29	- 2	1.5	-0.3	6.3	0	0	30	06	9	1	0	1	4	5	4	1	0
	2330	194	1014.5	991.7	..	17.0	10.1	1.2	7.1	36	..	0.8	..	4.2	0	0	27	03	6	1	0	0	3	2	12	4	0
JAWAI BANDH	0830	295	1016.0	981.1	-1.8	11.6	8.3	4.1	8.5	63	-11	1.9	-0.5	1.9	0	0	20	00	0	0	11	7	2	0	0	11	0
	1730	295	1011.9	978.4	-1.8	23.5	14.5	5.3	9.3	33	- 9	0.5	-1.6	3.1	0	0	30	16	4	0	1	1	3	2	3	1	0
JALORE	0830		..	..	..	13.5	9.2	3.4	8.3	53	..	0.9	..	3.7	0	0	30	00	0	2	10	1	3	2	12	1	0
	1730		..	..	..	25.1	16.0	6.9	11.0	36	..	0.9	..	7.3	0	1	30	01	14	1	1	1	3	2	8	0	0
RAJASTHAN, EAST																											
PILANI	0830	301	1017.5	981.3	-2.5	7.6	3.8	- 3.2	4.9	49	-12	2.2	+1.1	7.3	0	0	29	00	0	2	6	8	8	4	1	2	0
	1730	301	1013.7	979.6	-1.6	21.4	10.9	- 4.9	5.7	19	-16	1.6	+0.4	13.9	1	2	25	08	4	0	2	0	1	3	10	3	0
SIKAR	0830	433	1017.7	966.5	-0.9	9.4	5.6	- 0.7	6.0	52	-23	0.6	-1.5	0.2	0	0	3	00	0	0	0	0	0	3	0	28	0
	1730	433	1012.5	963.6	-1.8	21.5	11.2	- 2.6	5.2	21	-29	0.8	-1.7	1.1	0	0	15	00	0	0	0	0	0	10	5	16	0
ALWAR	0830	271	1016.6	984.2	-1.4	10.5	8.0	4.8	8.8	69	-15	1.9	-0.3	0.4	0	0	6	01	1	0	1	1	1	0	0	25	1
	1730	271	1012.6	981.5	-2.0	21.0	13.9	7.0	10.3	41	- 8	2.0	-0.3	1.8	0	0	24	07	3	2	0	0	1	1	10	7	0
JAIPUR (SANGANER)	0230	390	1015.0	969.0	..	11.2	7.6	2.6	7.8	58	..	1.5	..	3.6	0	0	19	06	7	2	0	0	0	1	3	12	0
	0530	390	1015.0	968.8	..	9.8	6.9	2.8	7.7	64	..	1.3	..	3.2	0	1	16	04	6	1	0	0	0	2	4	14	0
	0830	390	1016.6	970.5	-1.7	11.2	7.6	2.4	7.5	57	- 3	2.0	-0.1	2.5	0	0	13	02	5	2	0	0	1	0	3	18	0
	1130	390	1016.1	971.4	..	19.7	11.6	1.5	7.2	32	..	1.8	..	7.6	0	2	24	01	4	8	2	0	4	2	5	5	0
	1430	390	1012.7	968.5	..	22.3	12.7	0.9	6.9	27	..	1.5	..	8.8	0	4	25	02	4	4	1	0	5	8	5	2	0
	1730	390	1012.3	967.9	-1.9	21.1	12.4	2.0	7.4	30	- 5	2.1	-0.3	5.4	0	0	26	02	2	4	1	0	1	11	5	5	0
	2030	390	1014.9	969.4	..	14.6	9.8	3.8	8.4	50	..	1.4	..	3.7	0	1	15	03	5	2	0	0	0	2	4	15	0
	2330	390	1015.4	969.6	..	13.0	8.7	3.0	7.9	53	..	1.3	..	4.7	0	0	20	05	7	3	0	0	1	0	4	11	0
DHULPUR	0830	176	1016.3	995.3	-1.6	11.8	7.8	2.4	7.4	54	-27	1.4	-1.2	1.2	0	0	9	01	0	0	0	0	0	8	0	22	0
	1730	176	1012.0	991.7	-2.3	21.7	13.3	4.0	8.5	34	-25	0.4	-2.0	1.2	0	0	8	02	0	1	0	0	0	5	0	23	0
AJMER	0830	486	1017.4	960.2	-1.4	10.1	6.7	2.3	7.3	62	- 3	2.4[a]	+0.3	2.8[a]	0	0	15	00	5	0	0	2	2	0	6	15	0
	1730	486	1012.2	957.4	-1.6	21.7	11.6	- 0.3	6.2	26	-10	1.7	-0.4	5.6	0	1	26	03	8	4	2	2	2	3	3	4	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JANUARY ,1969(PAUSA 11 - MAGHA 11,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gen. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN, EAST (CONTD.)																											
TONK	0830	272	1016.6	984.0	-1.3	9.8	7.0	3.1	7.9	64	- 9	2.2	+1.0	4.4	0	0	30	00	4	2	3	0	2	6	13	1	0
	1730	272	1011.5	980.5	-1.6	21.9	13.3	3.4	8.5	32	- 9	1.3	-0.2	4.3	0	0	31	05	7	2	1	3	2	9	2	0	0
BHILWARA	0830	425	1017.3	967.2	..	10.6	6.8	0.9	6.9	53	..	2.0	..	2.7	0	0	22	02	6	1	0	0	4	2	7	9	0
	1730	425	1012.2	964.4	..	22.8	12.8	- 0.7	6.4	24	..	1.3	..	4.1	0	0	24	01	10	1	3	0	2	2	5	7	0
KOTA	0830	257	1016.5	986.1	-1.6	12.6	9.6	6.1	9.7	66	+ 2	2.1	+0.0	1.0	0	0	9	02	1	1	1	1	0	3	0	22	0
	1730	257	1012.5	983.2	-1.3	22.9	14.6	6.6	10.2	37	+ 3	1.0	-1.1	1.7	0	0	14	06	3	1	0	0	0	1	3	17	0
KOTA AERODROME	0530	274	1014.9	982.4	..	12.0	7.8	1.8	7.3	52	..	0.5	..	3.9	0	0	25	02	0	0	2	0	5	13	3	6	0
	0830	274	1016.8	984.4	..	13.3	8.6	2.1	7.6	50	..	1.3	..	3.3	0	0	22	03	2	2	1	1	4	7	3	9	0
	1130	274	1016.7	985.0	..	20.1	12.0	1.9	7.6	33	..	1.1	..	8.5	0	1	28	04	5	11	3	0	0	5	1	2	0
	1730	274	1012.5	981.3	..	22.8	13.0	1.3	7.2	27	..	1.4	..	11.6	0	3	28	06	16	5	0	0	0	3	1	0	0
	2330	274	1015.4	983.3	..	15.3	9.3	1.2	7.2	40	..	0.5	..	9.1	0	1	29	02	10	2	0	1	7	6	2	1	0
CHAMBAL (RAWAT BHATTA DAM)	0830	351	1015.0	973.8	-2.9	12.6	8.8	3.9	8.4	58	-12	1.4	-0.6	1.4	0	0	9	00	4	0	2	0	0	0	3	22	0
	1730	351	1010.4	970.8	-2.9	23.5	14.2	4.6	8.9	31	- 6	0.7	-1.3	5.9	0	1	30	00	9	0	7	3	0	0	12	0	0
UDAIPUR	0230	582	1015.9	948.2	..	11.1	7.8	3.7	8.3	63	..	0.4	..	0.7	0	0	4	00	1	0	0	0	0	1	2	27	0
	0530	582	1016.0	947.9	..	9.6	6.9	3.5	8.2	66	..	0.5	..	0.3	0	0	2	00	0	1	0	0	0	0	1	29	0
	0830	582	1017.2	949.8	-0.9	11.3	7.8	3.4	8.1	60	- 6	0.7	-0.8	0.5	0	0	4	02	2	0	0	0	0	0	0	27	0
	1130	582	1015.8	950.2	..	21.1	11.6	2.0	7.4	30	..	0.8	..	3.5	0	0	24	02	4	8	3	2	1	1	3	7	0
	1730	582	1011.5	946.7	-1.2	23.0	13.0	3.0	7.9	28	-12	0.9	-0.8	4.5	0	0	26	01	2	7	7	3	4	2	0	5	0
	2330	582	1016.1	948.7	..	12.8	8.9	4.6	8.4	59	..	0.4	..	0.8	0	0	4	00	0	0	0	0	0	1	3	27	0
JHALAWAR	0830	321	1017.4	979.5	-0.5	13.1	8.3	1.4	7.2	47	-17	0.9	-0.8	1.5	0	0	12	01	6	1	0	0	0	1	3	19	0
	1730	321	1012.1	975.8	-1.1	24.1	13.3	1.9	7.5	26	-10	1.1	-0.7	3.0	0	0	19	03	7	1	1	0	3	1	3	12	0
BANSWARA	0830	220	..	..	..	16.1	11.5	6.7	10.2	55	..	0.2	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
	1730	220	..	..	..	27.3	18.7	12.0	14.7	41	..	0.2	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
DUNGARPUR	0830		..	..	..	14.7	11.0	6.9	10.5	62	..	1.1	..	0.4	0	0	5	00	3	2	0	0	0	0	0	26	0
	1730		..	..	..	25.0	17.3	9.1	14.0	45	..	1.1	..	0.5	0	0	6	02	0	1	0	0	1	1	1	24	0
MADHYA PRADESH, WEST																											
GWALIOR	0230	207	1015.2	990.3	..	9.1	6.6	3.2	7.9	69	..	1.2	..	2.4	0	0	15	01	1	0	6	4	1	1	1	16	0
	0530	207	1015.0	990.1	..	8.2	6.0	3.2	7.8	72	..	1.3	..	2.7	0	0	16	02	0	1	5	5	1	0	2	15	0
	0830	207	1016.8	992.1	-1.5	11.8	8.2	3.4	8.0	58	- 8	1.7	-0.8	3.2	0	0	22	01	0	0	6	8	3	1	3	9	0
	1130	207	1016.5	992.5	..	20.2	11.5	0.7	6.7	30	..	1.5	..	7.9	0	0	31	03	5	2	4	1	0	3	13	0	0
	1430	207	1013.3	989.6	..	22.8	12.5	3.7	6.2	24	..	1.2	..	7.1	0	0	30	05	3	2	1	0	0	2	17	1	0
	1730	207	1013.0	989.2	-1.5	21.3	12.8	2.9	8.0	32	- 6	1.2	-1.2	5.7	0	1	27	06	5	3	1	0	0	1	12	3	0
	2030	207	1015.0	990.5	..	13.7	9.6	5.1	8.8	56	..	0.8	..	2.0	0	0	15	01	0	0	2	6	2	1	3	16	0
	2330	207	1015.6	990.9	..	10.6	7.7	3.9	8.4	65	..	0.8	..	2.8	0	0	18	01	0	1	3	8	1	1	3	13	0
SHEOPUR	0830	35	1017.1	988.9	-1.0	10.3	7.9	4.9	9.0	71	- 2	1.6	-0.8	4.2	0	0	26	05	4	0	3	9	0	3	2	5	0
	1730	35	1012.5	985.7	-1.0	23.1	14.5	6.3	10.0	35	- 4	1.1	-1.5	5.0	0	0	29	07	5	0	1	3	2	3	8	2	0
SHIVPURI	0830	464	1017.0	962.6	..	12.1	8.3	4.4	8.5	62	..	1.5	..	2.8	0	0	14	01	4	4	0	0	2	3	0	17	0
	1730	464	1012.2	959.6	..	20.9	12.7	4.7	9.1	39	..	1.5	..	5.2	0	0	27	04	3	9	3	0	2	3	3	4	0
NOWGONG	0830	229	1017.5	990.2	-0.9	10.2	8.4	6.1	9.6	77	- 4	1.6	-0.9	1.9	0	0	20	00	4	1	1	3	7	3	1	11	0
	1730	229	1013.3	987.1	-0.9	22.3	14.1	5.8	9.6	37	- 4	0.9	-1.5	5.4	0	0	31	09	5	3	0	0	0	8	6	0	0
GUNA	0530	478	1015.8	959.3	..	9.0	6.1	5.3	7.6	96	..	0.5	..	6.6	0	1	23	04	2	8	5	5	0	0	0	7	0
	0830	478	1016.8	961.2	-1.0	13.8	9.4	4.4	8.6	55	-12	1.4	-0.6	4.3	0	0	23	04	1	10	1	5	0	2	0	8	0
	1130	478	1015.6	961.5	..	21.5	13.4	5.6	9.7	39	..	1.2	..	8.6	0	1	30	08	2	10	3	2	0	6	0	0	0
	1430	478	1011.9	958.5	..	24.6	14.7	5.7	9.7	43	..	1.6	..	10.7	1	1	29	09	3	2	1	2	5	8	1	0	0
	1730	478	1012.2	958.1	-1.4	22.6	13.7	5.3	9.4	35	- 2	1.6	-0.4	6.4	0	0	31	07	3	3	0	2	1	9	6	0	0
	2330	478	1016.0	960.2	..	12.8	8.7	4.2	8.6	57	..	0.3	..	3.7	0	0	21	02	3	8	3	2	0	2	1	10	0
NIMACH	0830	496	1016.9	959.2	-1.3	13.3	7.7	0.3	6.6	43	-12	1.1	-1.0	3.8	0	0	23	02	12	5	0	0	2	1	0	8	1
	1730	496	1012.1	956.6	-1.2	23.9	12.6	- 0.3	6.5	22	- 9	1.2	-1.1	8.0	0	0	30	02	15	4	0	0	1	5	3	1	0
RAJGARH	0830	382	1016.6	971.4	-1.2	10.6	7.9	4.5	8.8	67	+ 2	0.2	-1.4	2.2	0	0	23	07	1	3	4	3	2	1	2	8	0
	1730	382	1011.3	968.5	-1.0	25.4	15.5	6.0	9.8	31	+ 2	0.3	-1.4	6.6	0	0	29	20	1	1	1	1	1	4	0	2	0
SAGAR	0830	551	1015.9	952.6	-1.2	16.0	11.9	8.3	11.0	60	+ 7	2.8	+0.4	6.0	0	0	31	00	8	8	0	0	5	8	2	0	0
	1730	551	1012.0	950.5	-0.5	23.6	17.0	12.5	14.7	51	+13	1.1	-1.5	7.8	0	0	31	01	10	10	0	0	3	5	2	0	0
RATLAM	0830	486	1016.1	959.8	-0.9	13.9	10.0	5.9	9.6	60	- 4	1.4	-0.7	10.7	0	5	20	05	12	6	0	0	1	1	0	6	0
	1730	486	1010.6	956.6	-1.4	25.7	16.7	9.7	12.6	38	+ 1	2.1	-0.4	7.7	0	1	28	02	11	7	0	0	2	5	2	2	0
BHOPAL (BAIRAGARH)	0230	523	1014.3	953.7	..	13.7	8.8	3.5	7.9	50	..	0.6	..	7.4	0	1	27	09	5	5	2	1	0	1	5	3	0
	0530	523	1014.5	953.6	..	12.2	8.1	4.3	8.0	56	..	0.9	..	5.6	0	0	23	05	5	5	3	2	2	1	0	8	0
	0830	523	1016.2	955.7	-1.6	14.4	9.5	4.4	10.4	66	+ 6	2.2	+0.1	6.1	0	1	18	03	9	3	2	0	0	2	0	12	0
	1130	523	1014.8	956.0	..	22.6	13.4	5.2	8.8	33	..	1.4	..	8.8	0	1	27	03	5	6	6	2	1	3	2	3	0
	1430	523	1010.9	953.0	..	25.8	14.8	6.0	9.0	28	..	1.9	..	9.0	0	3	25	03	1	5	6	1	3	5	4	3	0
	1730	523	1011.0	952.8	-1.5	24.6	14.2	5.3	8.7	29	- 6	2.4	+0.4	8.1	0	1	26	03	5	2	1	1	3	5	7	4	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JANUARY 1969 (PAUSA 11 - MAGHA 11, 1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb.			Mean temperature in °C			Vapour pressure in mb.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry bulb	Wet bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind speed (Km. p. h.)			Wind direction										
															02 or mins	20 to 01	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH. WEST(CONTD)																												
BHOPAL(BAIRAGARH)	2030	523	1014.0	954.4	..	18.7	11.6	5.2	8.6	39	..	1.7	..	6.7	0	1	24	05	8	3	3	2	1	1	2	6	0
	2330	523	1014.8	954.7	..	15.8	9.9	4.6	8.0	44	..	0.9	..	7.7	0	0	29	05	8	4	2	1	4	1	4	2	0
UJJAIN	0830	489	1016.9	959.5	..	10.8	8.1	5.0	9.0	69	..	1.9	..	1.4	0	0	10	00	4	3	2	0	0	0	1	21	0
	1730	489	1010.7	956.3	..	25.5	15.4	6.6	10.2	32	..	2.2	..	5.9	0	1	24	03	4	2	1	1	2	6	6	6	0
NARSINGHPUR	0830	356	1016.6	974.6	..	11.8	9.2	6.2	9.9	70	..	1.5	..	1.7	0	0	23	02	12	2	2	1	1	1	0	8	2
	1730	356	1011.1	971.3	..	25.7	15.8	6.5	10.0	31	..	1.7	..	1.2	0	0	17	01	6	0	0	0	7	3	0	14	0
HOSHANGABAD	0830	302	1016.8	981.3	-0.7	14.3	11.0	7.4	10.6	63	+ 1	1.3	-0.8	2.8	0	0	31	00	0	0	10	1	15	5	0	0	0
	1730	302	1011.2	977.3	-1.1	26.3	18.6	7.1	11.2	33	- 4	1.8	-0.6	2.5	0	0	31	00	10	0	1	0	14	1	5	0	0
INDORE	0530	567	1014.2	948.4	..	11.4	8.4	5.0	9.1	66	..	0.9	..	6.3	0	0	26	02	5	6	2	6	3	2	0	5	0
	0830	567	1016.0	950.4	-1.2	13.5	9.7	5.6	9.5	60	- 3	1.8	-0.1	6.4	0	0	26	00	3	8	1	6	3	3	1	5	1
	1130	567	1014.2	950.8	..	23.0	15.2	8.7	11.8	42	..	1.7	..	11.5	0	2	29	00	2	13	2	6	2	3	3	0	0
	1730	567	1010.1	947.4	-1.3	25.2	16.2	8.9	12.1	38	+ 7	2.1	-0.1	11.0	0	1	30	05	5	5	0	3	6	5	2	0	0
	2330	567	1014.4	949.4	..	15.6	10.8	5.7	9.7	54	..	0.7	..	8.2	0	0	30	04	5	7	0	1	7	5	1	1	0
RAJPUR(JHABUA)	0830	293	1016.3	981.9	-0.8	14.0	9.6	3.9	8.7	53	-12	1.6	-0.1	0.1	0	0	1	00	0	1	0	0	0	0	0	30	0
	1730	293	1011.0	978.1	-0.9	27.5	15.4	1.7	7.7	22	- 8	1.4	-0.1	0.8	0	0	7	00	0	1	0	0	0	5	1	24	0
CHHINDWARA	0830	685	1016.6	938.2	-1.0	14.5	10.7	6.8	10.2	61	- 6	1.4	-0.6	4.8	0	0	30	03	8	11	1	1	3	2	1	1	0
	1730	685	1010.4	935.0	-1.1	24.5	15.1	7.0	10.3	34	- 3	2.2	-0.2	2.2	0	0	21	10	0	4	1	3	0	3	0	10	0
SEONI	0830	619	1016.1	945.2	-1.0	15.1	11.0	6.7	10.2	59	- 4	1.2	-1.0	2.5	0	0	12	04	2	0	1	3	2	0	0	19	0
	1730	619	1010.6	942.2	-1.2	24.4	15.3	7.2	10.8	36	- 5	1.9	-0.6	6.7	0	0	29	05	2	3	3	9	2	4	1	2	0
BETUL	0830	653	1016.0	941.5	-1.0	15.9	11.4	7.1	10.6	57	- 7	1.9	-0.3	2.9	0	0	24	03	2	8	8	0	1	1	1	7	0
	1730	653	1010.2	938.2	-1.3	24.6	14.9	6.0	10.0	33	- 4	2.7	+0.4	3.8	0	0	30	05	9	0	5	1	0	2	8	1	0
KHANDWA	0830	318	1015.6	978.4	-0.8	14.9	10.6	5.4	9.5	55	- 1	1.3	-0.4	1.2	0	0	14	02	5	2	1	0	1	1	2	17	0
	1730	318	1009.9	974.4	-1.5	27.6	16.9	6.8	10.7	30	+ 1	1.7	-0.2	3.8	0	0	28	09	5	1	0	3	0	5	5	3	0
TIKAMGARH	0830	346	1017.8	976.7	..	9.9	8.1	5.9	9.4	77	..	1.0	..	3.4	0	0	29	03	4	5	4	5	8	0	0	2	0
	1730	346	1013.6	974.1	..	20.3	16.4	12.8	15.0	60	..	1.0	..	5.9	0	1	29	07	7	3	3	1	4	1	4	1	0
MADHYA PRADESH, EAST																												
SATNA	0530	317	1015.0	977.2	..	9.6	7.4	4.5	8.7	72	..	0.3	..	0.7	0	0	9	03	0	1	0	0	0	3	2	22	0
	0830	317	1016.8	979.5	-1.0	13.3	9.4	4.6	8.8	58	-13	1.2	-1.1	0.4	0	0	5	00	0	2	0	0	0	3	0	26	0
	1130	317	1015.8	979.4	..	20.7	12.7	3.5	8.3	35	..	1.4	..	4.3	0	0	26	02	1	8	0	1	2	11	1	5	0
	1430	317	1012.6	976.4	..	23.6	13.8	2.4	7.9	29	..	1.5	..	5.2	0	1	29	05	1	2	1	1	0	13	7	1	0
	1730	317	1012.6	975.9	-1.6	21.0	13.3	4.7	9.1	40	- 5	1.8	-0.6	2.6	0	0	26	11	0	1	0	0	0	10	4	5	0
	2330	317	1015.3	978.0	..	13.0	9.3	4.9	9.0	60	..	0.3	..	0.8	0	0	8	01	1	3	0	0	0	3	0	23	0
REWA	0830	99	1016.3	981.0	..	12.2	9.2	5.5	9.3	65	..	1.7	..	1.4	0	0	18	01	0	0	1	1	10	2	3	13	0
	1730	99	1012.3	978.2	..	22.2	14.6	6.9	9.9	39	..	2.3	..	2.5	0	1	16	04	2	0	0	0	0	2	9	13	0
SIDHI	0830	272	1016.2	984.0	-1.4	12.4	10.1	7.6	10.6	74	+ 1	0.7	-0.8	0.1	0	0	1	00	1	0	0	0	0	0	0	30	0
	1730	272	1011.7	980.7	-1.5	21.8	15.1	9.0	11.8	47	+ 1	0.8	-0.8	1.1	0	0	13	02	1	4	1	1	1	1	2	18	0
UMARIA	0830	459	1017.0	963.2	-1.1	12.1	9.3	6.4	9.9	69	- 3	1.8	-0.7	1.2	0	0	18	01	1	9	3	3	1	0	0	13	0
	1730	459	1011.7	960.1	-1.3	22.7	14.8	8.1	11.2	41	- 8	2.9	+0.4	2.5	0	0	30	12	4	0	0	1	1	2	10	1	0
JABALPUR	0530	393	1014.8	968.6	..	11.0	9.2	7.2	10.4	78	..	0.8	..	1.0	0	0	8	00	0	3	3	0	1	0	1	23	0
	0830	393	1016.7	970.8	-1.1	14.0	10.8	7.2	10.6	65	- 9	2.0	-0.3	1.8	0	0	14	01	2	1	4	4	1	1	0	17	0
	1130	393	1015.1	970.6	..	22.4	14.5	6.7	10.3	39	..	1.7	..	3.4	0	0	23	02	7	3	2	3	2	1	3	8	0
	1430	393	1011.4	967.5	..	25.7	16.0	8.9	10.6	33	..	2.5	..	5.5	0	0	30	06	7	0	2	1	1	3	10	1	0
	1730	393	1011.5	967.4	-1.1	23.7	15.7	8.6	11.6	40	- 3	2.6	+0.4	2.1	0	0	19	04	9	0	1	0	1	2	2	12	0
	2030	393	1014.2	969.0	..	17.8	13.3	9.1	11.7	59	..	1.0	..	1.7	0	0	13	00	9	0	1	0	0	2	1	18	0
	2330	393	1014.9	969.2	..	14.8	11.5	8.2	11.2	66	..	0.8	..	0.4	0	0	3	00	2	1	0	0	0	0	0	28	0
AMBIKAPUR	0830	611	1016.9	946.3	-1.6	12.7	10.1	7.4	10.5	72	- 5	1.4	-0.3	3.1	0	1	9	02	1	1	1	1	3	1	0	21	0
	1730	611	1011.2	943.0	-1.9	21.2	13.6	7.0	10.4	41	- 5	1.9	+0.1	4.0	0	0	31	24	0	1	0	0	0	6	0	0	0
JASHPURNAGAR	0830	779	1015.6	927.5	..	14.8	10.4	6.4	9.7	57	..	0.6	..	1.0	0	0	12	02	2	0	0	0	2	0	6	19	0
	1730	779	1010.4	924.4	..	20.9	12.9	5.9	9.2	38	..	1.9	..	1.4	0	0	18	00	0	0	0	1	9	3	5	13	0
PENDRA	0530	625	1014.9	942.8	..	12.6	8.9	4.6	8.9	61	..	0.4	..	3.3	0	0	16	05	0	1	0	4	1	0	5	15	0
	0830	625	1016.2	944.9	-1.4	15.9	10.9	5.5	9.5	52	-12	1.0	-1.2	4.5	0	1	18	10	0	0	1	4	1	1	1	12	1
	1130	625	1014.4	944.6	..	21.9	13.4	5.0	9.4	36	..	1.3	..	9.1	0	4	25	13	1	0	2	6	1	0	4	2	2
	1430	625	1011.0	941.9	..	23.8	14.2	5.1	9.3	33	..	1.8	..	10.1	0	3	26	13	3	2	1	4	1	2	9	2	0
	1730	625	1011.6	942.0	-1.4	21.6	13.5	5.9	9.8	39	- 9	2.1	-0.6	5.2	0	0	27	16	0	0	2	5	1	0	3	4	0
	2330	625	1015.2	943.7	..	14.9	10.3	5.3	9.3	55	..	0.9	..	2.3	0	0	20	06	1	0	0	2	2	3	6	11	0
MANDLA	0830	443	1016.8	965.3	-1.1	12.8	10.9	8.9	11.6	78	- 7	1.7	-0.8	0.4	0	0	3	01	0	0	0	1	0	0	1	28	0
	1730	443	1010.9	961.4	-1.4	24.1	16.5	10.0	12.8	43	- 2	1.6	-0.8	1.9	0	0	10	05	0	0	0	0	0	0	5	21	0
CHAMPA	0830	245	1016.1	987.3	-1.6	15.4	11.8	8.2	11.2	62	- 6	1.2	-0.7	3.1	0	0	27	23	2	0	0	0	0	0	2	4	0
	1730	245	1011.1	983.5	-1.8	26.2	16.7	8.5	11.5	34	- 5	2.1	+0.0	5.1	0	0	24	06	5	1	0	2	0	7	3	7	0
RAIGARH	0830	220	1016.1	990.4	-1.2	17.1	12.4	7.8	10.8	59	-10	1.0	-0.9	3.5	0	0	31	00	26	1	2	0	0	0	2	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JANUARY ,1969PAUSA 11 - MAGHA 11,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C: Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 62 or more	20 to 61	1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH,EAST (CONTD.)																											
RAJGARH	1730	220	1011.3	986.3	-1.2	25.2	16.5	8.8	11.8	37	- 2	1.7	+0.0	1.9	0	0	26	09	8	0	0	1	1	1	6	5	0
RAIPUR	0530	298	1013.9	979.1	..	14.9	12.0	9.0	11.7	69	..	0.5	..	1.2	0	0	9	00	0	2	1	1	2	1	2	22	0
	0830	298	1016.1	981.5	-1.1	18.2	13.2	8.2	11.2	54	- 8	1.4	-0.2	3.5	0	0	24	05	6	4	1	4	1	1	2	7	0
	1130	298	1015.0	981.3	..	24.6	15.9	7.8	11.1	36	..	1.4	..	4.5	0	0	27	07	4	8	2	0	3	2	1	4	0
	1430	298	1011.5	978.1	..	27.2	16.8	7.2	10.9	31	..	1.8	..	4.5	0	0	29	07	3	3	4	3	3	5	1	2	0
	1730	298	1011.4	977.9	-1.3	25.5	16.6	8.8	11.9	38	- 1	1.9	+0.5	2.8	0	0	21	04	2	4	1	1	2	6	1	10	0
	2030	298	1013.6	979.5	..	20.9	14.8	9.2	12.1	49	..	0.7	..	2.3	0	0	16	05	1	4	1	2	1	1	1	15	0
	2330	298	1014.2	979.7	..	18.7	13.6	8.7	11.8	54	..	0.7	..	3.5	0	0	25	04	0	6	4	3	2	4	2	6	0
KANKER	0830	402	1015.8	969.8	-1.0	18.6	14.6	11.1	13.5	62	-10	1.3	-0.6	0.1	0	0	2	01	0	0	0	0	0	1	0	29	0
	1730	402	1010.6	966.0	-1.2	26.5	17.9	11.0	13.7	40	- 1	1.7	-0.5	3.1	0	0	23	03	8	0	1	0	5	5	1	8	0
JAGDALPUR	0530	553	1014.2	950.5	..	13.0	11.4	10.1	12.5	82	..	0.5	..	0.3	0	0	3	00	0	0	0	1	0	1	1	28	0
	0830	553	1016.0	952.9	-0.9	16.7	13.4	10.6	13.1	67	- 6	1.2	-0.3	0.8	0	0	6	00	1	0	1	0	0	0	4	25	0
	1130	553	1013.2	952.1	..	25.6	16.1	8.4	11.5	35	..	1.3	..	3.9	0	0	21	02	6	5	0	2	2	2	2	10	0
	1430	553	1009.5	949.1	..	28.0	16.4	6.9	10.4	28	..	1.8	..	5.9	0	0	30	03	6	3	2	1	6	3	6	1	0
	1730	553	1010.0	949.1	-1.2	25.7	16.5	9.5	12.2	37	- 4	2.2	+0.0	2.3	0	0	15	03	4	1	2	2	1	0	2	16	0
	2030	553	1013.2	951.1	..	20.3	14.8	10.4	12.9	54	..	0.6	..	1.4	0	0	9	04	4	0	0	1	0	0	0	22	0
	2330	553	1014.1	951.3	..	17.0	13.6	10.9	13.3	68	..	0.4	..	0.5	0	0	4	00	2	1	1	0	0	0	0	27	0
GUJARAT REGION(INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																											
DEESA	0830	136	1015.8	999.6	-0.9	12.8	8.5	3.1	7.6	51	- 8	1.4	-0.3	5.4	0	0	27	05	17	0	2	0	0	0	3	4	0
	1730	136	1012.2	996.8	-0.7	26.6	14.3	- 0.6	6.4	19	-10	0.4	-1.2	8.3	0	0	29	03	6	0	0	0	4	1	14	2	1
RADHANPUR	0830	30	1015.0	1011.4	-1.7	13.2	10.9	8.5	11.5	74	+ 7	0.0	-0.8	1.6	0	0	25	10	9	3	1	0	1	0	1	6	0
	1730	30	1011.7	1008.3	-1.9	27.5	22.0	18.7	21.8	60	+18	0.0	-0.7	1.6	0	0	25	16	0	2	0	0	1	5	1	6	0
IDAR	0830	219	1015.1	989.6	-1.4	18.1	10.4	- 0.8	6.2	30	-12	0.7	-0.6	5.8	0	1	22	14	5	4	0	0	0	0	0	8	0
	1730	219	1011.5	986.8	-1.1	27.0	14.7	1.7	6.8	20	- 8	0.4	-0.9	3.2	0	0	26	02	2	4	4	0	0	13	1	5	0
AHMADABAD	0230	55	1013.2	1006.6	..	15.3	11.5	7.3	11.2	61	..	0.4	..	6.7	0	1	22	06	8	1	1	0	0	2	5	8	0
	0530	55	1012.9	1006.4	..	14.1	10.5	6.7	9.8	62	..	0.4	..	6.0	0	1	20	00	10	4	1	0	0	1	5	10	0
	0830	55	1014.9	1008.4	-1.4	15.1	11.2	6.7	10.1	60	+ 5	1.4	+0.1	6.9	0	1	19	01	5	9	1	0	0	1	3	11	0
	1130	55	1015.3	1009.1	..	24.5	16.8	9.8	13.0	43	..	1.4	..	14.6	0	10	19	04	6	13	3	0	2	0	1	2	0
	1430	55	1012.1	1006.0	..	28.3	18.5	9.8	13.7	36	..	1.1	..	13.1	0	5	24	04	6	8	1	0	3	2	5	2	0
	1730	55	1011.4	1005.1	-1.6	27.7	18.3	9.9	13.4	37	+ 9	1.2	+0.3	11.8	0	3	28	10	7	3	1	0	2	5	3	0	0
	2030	55	1013.1	1006.7	..	21.0	15.2	10.0	12.6	51	..	0.5	..	4.5	0	0	17	08	2	1	0	0	0	1	5	14	0
	2330	55	1013.8	1007.3	..	17.9	13.1	8.4	11.2	55	..	0.5	..	4.3	0	0	16	04	3	1	0	0	1	3	4	15	0
DOHAD	0830	333	1015.7	976.8	-1.3	14.9	10.0	3.5	8.4	49	- 8	1.6	+0.0	6.7	0	0	27	00	6	12	3	3	1	2	0	4	0
	1730	333	1010.5	973.4	-1.5	27.2	15.7	4.1	8.5	24	- 9	1.5	+0.6	8.4	0	1	29	06	4	4	0	1	4	7	4	1	0
VALLABH VIDYANAGAR	0830	44	1015.0	1009.8	..	13.1	10.2	6.9	10.1	67	..	1.1	..	22.1	2	0	24	05	14	1	3	0	0	1	1	5	0
	1730	44	1011.3	1006.4	..	28.4	18.4	10.5	13.0	34	..	1.0	..	5.0	0	0	29	07	9	0	1	0	1	3	8	2	0
BARODA AERODROME	0830	38	1014.9	1010.4	-1.2	15.2	10.3	3.9	9.0	47	-13	1.3	+0.0	5.5	0	1	22	10	10	0	0	1	0	1	1	8	0
	1130	38	1015.0	1010.6	..	25.3	15.8	5.7	9.7	29	..	1.0	..	7.3	0	4	16	04	6	5	1	3	0	0	1	11	0
	1730	38	1011.0	1006.7	-1.5	28.6	16.5	4.2	8.4	23	- 8	1.2	-0.2	9.7	0	3	27	03	4	0	0	0	3	6	14	1	0
BARODA	0530	34	1012.7	1008.5	..	14.7	10.7	6.0	9.6	58	..	0.4	..	2.7	0	0	19	02	14	1	0	0	1	0	1	12	0
	0830	34	1014.8	1010.6	-1.2	14.9	10.7	5.8	9.5	56	-13	1.4	+0.2	2.1	0	0	15	00	12	0	0	0	1	0	2	16	0
	1130	34	1015.2	1011.1	..	26.8	16.1	5.8	9.7	28	..	0.9	..	3.5	0	0	21	02	11	3	0	0	2	1	2	10	0
	1730	34	1011.1	1007.2	-1.3	29.5	17.3	6.1	9.9	24	-12	0.7	-0.5	3.7	0	0	24	01	6	0	0	0	2	0	15	7	0
	2330	34	1013.5	1009.4	..	19.2	13.3	7.4	10.5	48	..	0.5	..	1.8	0	0	12	00	10	0	0	0	1	0	1	19	0
BRUACH	0830	17	000.0	1011.6	-1	..	..	..	..	..	..	1.0	-0.1	5.9	0	0	31	03	15	3	4	0	2	1	3	0	0
	1730	17	000.0	1008.6	-1	?..	..	..	..	..	..	0.7	-0.4	4.6	0	0	31	01	17	0	3	[illegible]	3	1	6	0	0
SURAT	0530	12	1012.4	1011.0	..	16.2	12.4	8.5	11.5	62	..	0.3	..	4.9	0	0	27	00	26	0	0	0	0	0	1	4	0
	0830	12	1014.4	1013.0	-0.9	16.5	12.6	8.5	12.0	62	- 1	0.6	-1.1	4.8	0	0	25	00	22	0	2	0	0	0	1	6	0
	1130	12	1015.2	1013.7	..	26.8	17.0	8.6	10.4	33	..	0.7	..	6.6	0	1	26	00	17	0	5	0	0	0	5	4	0
	1730	12	1011.1	1009.8	-1.0	29.1	18.3	9.7	11.6	31	-10	0.8	-0.9	7.5	0	0	31	00	4	0	0	0	8	0	19	0	0
	2330	12	1013.5	1012.1	..	19.6	14.6	9.7	12.6	56	..	0.0	..	5.7	0	0	28	00	28	0	0	0	0	0	0	3	0
SAURASHTRA AND KUTCH(INCLUDING DIU)																											
NALIYA	0830	21	1015.6	1013.1	-1.3	11.4	8.2	3.7	8.3	61	- 3	1.8	+0.4	7.1	0	1	28	10	11	3	1	2	1	0	1	2	0
	1730	21	1012.5	1010.1	-1.4	25.6	16.6	8.4	11.6	38	+12	1.5	+0.4	13.3	0	7	24	06	10	0	0	0	10	2	3	0	0
BHUJ(RUDRAMATA)	0230	80	1014.2	1004.6	..	14.5	9.0	1.0	6.9	43	..	0.4	..	4.6	0	2	8	03	1	0	0	0	2	2	2	21	0
	0530	80	1014.0	1004.4	..	12.8	8.2	0.9	7.2	49	..	0.5	..	4.6	0	1	13	02	1	1	0	0	5	2	3	17	0
	0830	80	1015.6	1006.0	-1.3	13.2	8.7	1.9	7.2	50	+ 5	1.6	+0.3	3.0	0	0	11	04	0	0	0	2	2	2	1	20	0
	1130	80	1016.3	1006.9	..	22.0	13.4	3.1	8.5	32	..	1.0	..	13.1	0	5	22	10	10	2	0	0	0	3	2	4	0
	1430	80	1013.1	1003.8	..	26.5	15.0	1.5	7.6	22	..	0.9	..	15.2	0	9	19	10	9	2	1	0	1	3	2	3	0
	1730	80	1012.2	1003.0	-1.5	26.4	14.7	0.6	7.3	21	- 3	0.9	-0.3	16.7	0	13	15	10	9	2	0	0	0	4	3	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JANUARY ,1969(PAUSA 11 - MAGHA 11,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gen. of mean standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SURASHTRA AND KUTCH(INCLUDING DIU)																											
BHUJ	2030	80	1014.0	1004.7	..	20.1	12.4	3.0	8.2	35	..	0.2	..	8.1	0	2	18	06	5	0	0	0	2	4	3	11	0
	2330	80	1014.7	1005.1	..	16.9	10.6	2.6	7.7	41	..	0.5	..	6.8	0	1	18	08	2	0	0	0	2	4	3	12	0
KANDLA AERODROME	0830	35	1015.9	1011.7	..	15.3	9.4	0.6	7.1	41	..	1.5	..	17.0	1	6	22	12	0	0	0	0	1	2	14	2	0
	1130	35	1016.4	1012.4	..	23.9	13.4	0.8	6.9	24	..	0.9	..	20.9	0	18	12	15	7	3	0	0	2	1	2	1	0
	1730	35	1012.4	1008.4	..	26.8	14.5	- 0.4	6.6	19	..	0.7	..	21.7	0	19	12	12	6	3	1	1	3	1	4	0	0
NEW KANDLA	0830	14	1015.7	1014.0	-1.7	15.2	10.1	3.5	8.3	48	- 7	2.4	+1.2	9.7	0	1	30	17	6	0	0	0	0	3	5	0	0
	1730	14	1012.7	1011.0	-1.6	24.6	15.8	7.2	10.9	35	- 1	1.2	-0.1	13.4	0	6	25	10	11	1	1	1	4	2	1	0	0
MANDVI	0830	9	1015.7	1014.6	-1.3	15.6	10.6	3.9	8.8	50	-15	2.6	+1.2	14.6	0	6	24	10	15	3	0	0	1	0	1	1	0
	1730	9	1012.6	1011.5	-1.5	23.2	17.5	12.4	15.4	56	- 3	2.2	+0.7	18.8	0	13	18	03	4	0	1	0	19	3	1	0	0
SURENDRANAGAR	0830	74	1015.4	1006.7	-0.7	17.0	13.5	4.2	8.5	47	- 9	1.6[a]	+0.3	8.1[a]	0	2	21	10	3	1	0	0	0	5	4	7	0
	1730	74	1011.3	1003.1	-1.1	28.2	16.7	5.4	9.1	25	- 5	1.3[a]	-0.2	11.1[a]	0	5	22	12	2	2	1	0	1	3	6	3	0
OKHA	0530	7	1013.9	1013.1	..	20.1	15.8	12.2	14.7	62	..	0.2	..	23.8	0	17	13	11	8	4	1	0	1	1	4	1	0
	0830	7	1015.6	1014.8	..	20.0	15.7	12.2	14.4	62	..	1.6	..	20.5	0	16	14	05	14	5	0	0	1	2	3	1	0
	1130	7	1016.6	1015.8	..	22.0	16.2	11.2	13.7	53	..	1.4	..	18.8	0	10	21	05	10	10	1	0	0	2	3	0	0
	1730	7	1013.1	1012.3	..	22.6	17.7	14.7	15.9	60	..	1.0	..	15.0	0	8	23	05	3	4	0	0	0	4	15	0	0
	2330	7	1015.0	1014.1	..	20.8	17.2	14.4	16.7	68	..	0.2	..	19.5	0	14	17	10	6	0	0	1	2	3	9	0	0
JAMNAGAR AERODROME	0530	23	1013.7	1011.3	..	12.9	9.6	5.7	9.3	63	..	0.7	..	7.3	0	2	24	04	9	1	2	2	3	2	2	5	1
	0830	23	1015.5	1013.1	-0.9	13.6	10.0	5.5	9.1	60	+ 0	1.8	+0.2	7.3	0	2	26	02	8	3	6	6	2	1	0	3	0
	1130	23	1016.0	1013.7	..	22.5	14.3	6.0	9.7	36	..	1.2	..	13.0	0	5	26	05	19	3	0	0	1	2	1	0	0
	1730	23	1012.3	1010.0	-0.8	25.2	15.4	5.5	9.6	30	- 7	0.9	-0.3	14.1	0	5	25	09	14	1	0	0	0	2	4	1	0
	2330	23	1014.5	1012.1	..	17.0	13.6	10.3	12.9	67	..	0.7	..	8.2	0	1	27	07	8	3	0	0	2	5	3	3	0
DWARKA	0830	11	1015.4	1014.1	-1.1	17.6	13.8	10.4	12.7	64	- 1	0.9	-0.7	12.1	0	4	27	08	16	3	0	0	1	1	2	0	0
	1730	11	1012.8	1011.5	-1.2	23.7	16.8	10.7	13.4	47	+ 0	1.0	-0.3	15.5	0	6	25	10	4	3	0	0	0	2	10	0	2
RAJKOT	0530	138	1013.5	997.2	..	12.8	7.7	0.0	6.7	44	..	0.3	..	8.3	0	1	21	01	8	3	0	1	3	0	6	9	0
	0830	138	1015.4	999.1	-1.0	14.4	9.1	1.4	7.3	45	- 6	0.8	-0.5	7.7	0	1	20	04	9	3	0	0	2	1	1	10	1
	1130	138	1015.1	999.4	..	24.8	14.1	1.2	7.5	24	..	0.5	..	20.7	0	21	9	05	14	4	1	0	0	2	4	1	0
	1430	138	1011.8	996.3	..	28.2	15.0	0.6	6.4	17	..	0.6	..	20.6	0	15	16	06	13	2	1	0	0	1	8	0	0
	1730	138	1011.3	995.8	-1.2	27.5	14.9	- 0.9	6.6	19	- 3	0.5	-0.9	20.1	0	19	10	06	12	1	0	0	0	1	9	2	0
BHAVNAGAR AERODROME	0830	11	1015.0	1013.7	-1.1	15.7	10.2	3.3	8.1	44	+ 0	1.5	+0.3	15.5	0	9	22	02	2	0	0	0	2	11	14	0	0
	1130	11	1015.4	1014.2	..	23.8	15.1	6.5	10.1	35	..	1.2	..	15.4	0	9	21	12	8	3	0	0	0	0	7	1	0
	1730	11	1011.4	1010.2	-1.2	27.5	16.8	7.2	10.5	29	+ 0	1.3	-0.1	17.2	0	14	15	06	10	5	6	2	0	0	0	2	0
PORBANDER AERODROME	0830	7	1014.9	1014.1	-0.9	16.4	12.0	7.5	10.6	59	- 8	1.6	+0.5	8.3	0	3	20	07	6	2	2	1	0	0	5	8	0
	1130	7	1015.5	1014.7	..	26.3	17.0	8.4	11.9	35	..	1.1	..	19.3	0	14	16	05	13	4	1	0	2	1	3	1	1
	1730	7	1011.8	1011.0	-1.3	26.8	18.2	10.8	13.9	41	- 7	1.2	+0.0	23.8	0	27	4	09	6	0	0	0	5	9	2	0	0
KESHOD	0830	51	1014.7	1008.6	-1.6	14.5	9.1	2.0	7.2	45	- 3	1.5	+0.4	12.2	0	2	28	01	16	13	0	0	0	0	0	1	0
	1130	51	1015.0	1009.3	..	25.4	14.7	3.6	8.1	27	..	1.1	..	18.6	0	12	19	05	15	7	0	1	0	1	2	0	0
	1730	51	1011.1	1005.4	-1.4	28.3	16.2	3.1	8.7	23	- 3	1.2	+0.2	21.4	0	18	13	07	11	1	0	0	5	4	3	0	0
MAHUVA	0830	9	1013.9	1012.9	..	17.2	11.3	3.9	8.3	44	..	1.5	..	3.7	0	0	27	06	17	0	0	0	1	0	2	4	1
	1730	9	1011.0	1010.0	..	26.9	17.2	9.2	11.8	34	..	1.7	..	5.5	0	0	31	02	6	4	8	8	1	0	0	0	2
VERAVAL	0230	8	1012.9	1011.9	..	17.2	12.7	7.6	11.1	57	..	0.6	..	8.8	0	2	21	12	9	0	0	0	0	0	2	8	0
	0530	8	1012.3	1011.5	..	16.1	11.4	5.9	9.7	54	..	0.5	..	10.9	0	4	23	13	10	1	0	0	0	0	3	4	0
	0830	8	1014.2	1013.0	-1.6	16.8	11.6	5.7	9.5	50	+ 1	1.6	+0.4	9.2	0	2	27	11	14	1	0	0	0	0	3	2	0
	1130	8	1014.9	1014.0	..	25.9	16.9	7.9	10.7	37	..	1.3	..	13.0	0	8	19	03	11	2	0	4	1	3	3	4	0
	1430	8	1012.0	1011.2	..	27.2	19.5	12.8	16.4	48	..	1.6	..	13.6	0	6	25	04	5	0	0	1	8	9	4	0	0
	1730	8	1011.5	1010.6	-1.1	25.3	20.6	17.2	20.5	65	+ 6	1.8	+0.7	14.4	0	8	23	01	2	0	0	1	10	10	7	0	0
	2030	8	1013.2	1012.3	..	21.9	18.2	14.6	17.8	69	..	0.4	..	8.4	0	1	23	08	2	0	1	0	0	2	11	7	0
	2330	8	1013.7	1012.7	..	18.7	14.8	10.5	13.7	63	..	0.4	..	7.6	0	1	25	11	9	1	0	0	0	0	5	5	0
DIU	0830	15	1014.7	1012.9	..	19.4	12.6	5.4	9.5	42	..	1.3	..	5.5	0	0	29	15	11	0	0	0	0	0	3	2	0
	1730	15	1012.0	1010.3	..	24.6	19.1	15.0	17.6	59	..	1.5	..	11.5	0	3	28	01	0	6	2	6	10	6	0	0	0
KONKAN(INCLUDING GOA)																											
DAHANU	0830	5	1013.6	1013.1	-0.8	19.2	15.5	12.3	14.6	65	- 3	0.0[a]	-1.4	4.1[a]	0	0	24	01	10	9	1	2	0	0	1	6	0
	1730	5	1010.4	1010.0	-1.3	25.0	21.2	19.0	22.1	70	- 1	0.0	-1.0	10.6	0	2	28	14	2	0	0	0	0	0	14	1	0
BOMBAY(SANTACRUZ)	0230	14	1011.6	1009.7	..	18.5	15.6	13.4	15.4	73	..	0.5	..	2.8	0	0	14	04	3	5	0	0	0	0	2	17	0
	0530	14	1011.4	1009.7	..	17.5	14.8	12.2	14.4	71	..	0.5	..	3.1	0	0	18	01	8	7	0	0	0	0	2	13	0
	0830	14	1013.6	1011.9	-1.0	20.6	15.9	11.9	14.3	59	- 4	2.0	+0.6	3.4	0	0	20	03	6	9	1	0	0	1	0	11	0
	1130	14	1013.9	1012.2	..	28.5	18.8	11.4	13.8	36	..	1.4	..	7.8	0	0	29	05	3	8	4	0	0	5	4	2	0
	1430	14	1010.6	1009.0	..	29.5	20.3	14.1	16.3	40	..	1.4	..	16.7	0	11	20	02	1	0	0	0	0	13	15	0	0
	1730	14	1010.4	1008.7	-1.3	26.8	20.0	15.5	17.8	51	+ 3	1.7	+0.4	15.9	0	7	24	02	0	0	0	0	0	3	26	0	0
	2030	14	1012.2	1010.6	..	23.4	18.7	15.5	17.7	62	..	0.3	..	12.1	0	3	27	08	0	0	0	0	0	0	22	1	0
	2330	14	1012.7	1011.0	..	21.0	17.2	14.4	16.6	67	..	0.4	..	3.8	0	0	21	08	6	3	0	0	0	0	4	10	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JANUARY 1969 PAUSA 11 - MAGHA 11, 1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gen. of normal standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KONKAN (INCLUDING GOA) (CONTD.)																												
BOMBAY	0830	11	1013.4	1012.1	-1.1	20.7	18.2	15.7	18.1	74	+ 3	1.5	+0.2	7.0	0	0	31	07	11	10	2	0	0	0	0	0	0
	1130	11	1013.8	1012.6	..	26.6	20.0	16.3	18.6	54	..	1.1	..	6.8	0	0	29	04	8	12	2	0	0	0	3	2	0
	1730	11	1010.2	1009.0	-1.4	26.0	21.5	19.0	22.1	66	+ 3	1.7	+0.6	14.8	0	6	25	07	0	0	0	0	0	3	21	0	0
ALIBAG	0830	7	1013.3	1012.2	-1.7	20.1	16.8	14.3	18.8	69	+ 0	2.4	+1.1	5.0	0	0	29	01	11	16	0	0	0	0	0	2	0
BHIRA	0830	96	1013.1	1001.9	..	18.5	14.4	10.6	13.1	67	..	2.4	..	1.7	0	0	13	00	4	1	5	1	1	0	1	18	0
	1730	96	1008.6	997.9	..	31.8	19.8	11.1	13.3	29	..	2.1	..	3.5	0	0	28	01	0	1	7	2	6	7	4	3	0
HARNAI	0830	20	1012.7	1010.4	-1.0	23.8	19.2	16.1	18.5	63	+ 4	0.0	-1.7	7.0	0	3	15	00	3	10	5	0	0	0	0	13	0
	1730	20	1009.9	1007.6	-1.1	26.9	23.9	22.4	27.2	76	+ 5	0.0	-1.3	19.8	0	13	16	00	0	0	0	0	0	15	14	2	0
RATNAGIRI	0830	35	1012.8	1008.8	-0.9	21.0	17.1	14.2	16.3	67	+ 1	1.8	-0.1	12.5	1	1	29	00	1	12	11	0	0	0	0	0	7
	1730	35	1009.3	1005.4	-1.4	28.4	22.0	18.3	21.1	54	- 5	2.0	+0.2	9.9	0	1	30	00	0	0	0	0	1	13	13	0	4
DEVGARH	0830	36	1012.7	1008.7	-0.9	22.1	18.7	16.4	18.5	71	+ 0	1.6	-0.3	9.2	0	0	30	01	7	22	0	0	0	0	0	1	0
	1730	36	1009.2	1005.2	-1.2	28.7	23.3	20.4	24.1	62	+ 1	2.2	+0.6	22.2	0	13	18	02	0	1	0	0	0	8	20	0	0
VENGURLA	0230	9	1011.3	1010.0	..	19.9	17.7	16.2	18.4	80	..	0.2	..	1.4	0	0	11	11	0	0	0	0	0	0	0	20	0
	0530	9	1010.9	1009.9	..	18.3	16.7	15.6	17.6	84	..	0.3	..	2.5	0	0	17	13	3	0	0	0	0	0	1	14	0
	0830	9	1013.1	1012.1	-0.9	20.9	17.7	15.4	17.6	72	- 1	0.7	-0.7	2.5	0	0	19	14	1	0	0	0	1	1	2	12	0
	1130	9	1012.9	1011.9	..	30.1	19.8	12.4	14.7	35	..	1.1	..	6.0	0	0	27	05	1	10	4	2	3	1	1	4	0
	1730	9	1009.4	1008.4	-1.2	28.7	22.0	18.1	20.9	53	- 1	1.4	+0.2	5.7	0	0	31	00	0	0	0	0	3	26	2	0	0
	2330	9	1012.0	1011.0	..	21.6	19.3	17.8	20.5	79	..	0.4	..	3.2	0	0	19	18	1	0	0	0	0	0	0	12	0
PANJIM	0530	60	1010.4	1003.5	..	20.3	18.4	17.2	19.6	80	..	1.4	..	8.8	0	0	31	00	15	16	0	0	0	0	0	0	0
	0830	60	1012.5	1005.6	..	20.6	18.0	16.3	18.5	77	..	2.9	..	9.7	0	1	28	02	19	8	0	0	0	0	0	2	0
	1130	60	1012.5	1005.7	..	29.0	19.5	13.3	15.4	39	..	2.7	..	10.4	0	2	27	02	10	9	3	0	0	1	4	2	0
	1430	60	1009.4	1002.7	..	31.0	21.0	14.4	16.6	38	..	3.2	..	11.7	0	1	30	00	4	1	0	0	13	12	1	0	0
	1730	60	1008.7	1001.9	..	28.4	21.9	17.9	20.8	52	..	3.4	..	15.1	0	6	25	00	0	0	0	0	7	13	11	0	0
	2030	60	1010.8	1004.0	..	25.5	21.3	19.1	22.0	68	..	2.0	..	7.5	0	0	28	09	2	0	0	0	0	1	16	3	0
	2330	60	1011.6	1004.7	..	23.5	20.2	18.2	21.0	72	..	1.3	..	6.8	0	0	28	09	14	2	0	0	0	0	3	3	0
MORMUGAO	0530	62	1010.2	1003.3	..	22.3	19.1	16.9	19.6	73	..	1.9	..	9.9	0	0	28	01	5	17	2	1	2	0	0	3	0
	0830	62	1012.2	1005.2	-1.7	23.4	19.1	16.3	18.6	66	+ 0	2.4	+0.7	9.8	0	1	30	00	8	21	2	0	0	0	0	0	0
	1130	62	1012.1	1005.1	..	28.4	20.1	14.6	16.8	44	..	2.3	..	8.9	0	0	30	04	8	11	0	1	2	2	2	1	0
	1730	62	1008.4	1001.5	-1.9	28.1	22.7	19.3	22.4	59	- 3	3.0	+1.2	16.6	0	7	24	03	0	1	0	0	13	8	6	0	0
DABOLIM (NAVAL AIR STN.)	0530	52	1010.7	1004.7	..	20.7	18.2	16.3	18.9	78	..	1.4	..	3.4	0	0	13	00	[illegible]	[illegible]	0	0	0	0	0	18	0
	0830	52	1012.7	1006.8	..	22.6	18.1	14.8	17.1	67	..	2.6	..	8.3	0	1	25	01	[illegible]	[illegible]	0	0	0	0	0	7	0
	1130	52	1012.8	1007.0	..	29.2	20.0	13.7	16.0	41	..	2.2	..	11.7	0	3	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	1	3	2	0
	1730	52	1009.0	1003.2	..	28.7	21.9	18.1	20.5	53	..	3.0	..	16.1	0	8	23	00	1	0	[illegible]	[illegible]	3	17	10	0	0
	2330	52	1011.7	1005.8	..	24.2	20.8	18.9	21.8	72	..	2.1	..	6.6	0	1	20	17	4	0	[illegible]	0	0	0	0	10	0
MADHYA MAHARASHTRA																												
NANDURBAR	0830	206	1014.7	989.5	-3.0	20.5	13.3	5.6	9.5	39	-12	0.0	-1.4	1.0	E 0	E 0	E 5	00	3	0	0	0	2	0	0	26	0
	1730	206	1010.8	987.7	-0.8	28.5	18.0	9.2	11.8	30	- 2	0.0	-1.6	0.9	0	0	7	00	2	0	0	0	1	1	3	24	0
JALGAON	0830	201	1015.3	991.7	-0.8	16.6	11.0	4.4	8.7	46	-12	1.6	+0.2	9.4	0	3	26	00	2	10	9	2	4	2	0	2	0
	1730	201	1010.4	987.6	-1.1	30.3	17.1	3.9	7.8	21	- 6	1.7	+0.2	8.5	0	1	27	04	2	5	1	3	0	10	3	3	0
MALEGAON	0830	437	1015.1	964.6	-1.4	15.1	10.4	5.2	9.0	55	+ 2	0.6	-1.1	2.8	0	0	21	02	0	0	0	0	2	10	7	10	0
	1730	437	1009.6	961.6	-0.6	29.4	17.5	6.6	10.6	26	- 1	0.9	-1.3	4.5	0	0	28	05	4	1	5	1	4	2	6	3	0
OZAR	0230	608	1013.8	943.9	..	13.4	9.3	4.7	8.5	56	..	0.7	..	6.8	0	1	19	02	0	0	1	0	1	10	6	11	0
	0530	608	1013.9	943.7	..	11.9	8.3	4.2	8.3	59	..	0.7	..	3.5	0	0	11	00	0	0	1	0	2	7	1	20	0
	0830	608	1015.3	945.7	..	15.2	10.3	5.1	8.7	52	..	2.0	..	1.9	0	0	9	02	1	1	1	0	0	3	1	22	0
	1130	608	1013.2	946.0	..	25.4	15.5	7.0	9.8	33	..	1.7	..	11.2	0	2	25	00	0	9	9	4	0	2	3	4	0
	1430	608	1009.0	942.8	..	28.4	16.3	6.2	9.5	27	..	2.5	..	10.5	0	3	22	00	0	3	6	5	2	4	4	6	1
	1730	608	1008.8	942.4	..	27.4	16.0	6.4	9.7	27	..	2.5	..	11.2	0	6	21	01	3	4	3	2	0	6	8	4	0
	2030	608	1012.5	944.3	..	20.4	12.9	5.9	9.3	40	..	1.5	..	12.3	0	5	21	02	1	0	3	0	0	4	16	5	0
	2330	608	1014.0	944.7	..	16.2	11.0	5.9	9.3	51	..	0.0	..	9.0	0	0	25	03	0	1	0	0	1	9	11	6	0
AHMADNAGAR	0830	657	1014.5	939.9	-1.6	16.2	10.5	4.3	8.5	47	- 7	1.7	+0.1	3.3	0	0	16	00	1	0	5	1	0	0	0	15	0
	1730	657	1007.7	936.6	-1.6	29.3	16.5	5.9	9.4	24	- 5	1.7	-0.3	6.0	0	0	24	01	6	0	6	1	4	0	6	7	0
POONA AERODRIME	0230	593	1012.9	945.4	..	16.9	11.7	7.0	10.1	53	..	0.6	..	6.1	0	0	22	01	2	3	0	0	0	15	1	9	0
	0530	593	1013.4	945.3	..	14.6	10.8	7.1	10.2	62	..	0.7	..	6.0	0	0	21	01	1	3	1	0	1	13	1	10	0
	0830	593	1014.7	947.1	..	16.4	11.5	7.0	10.1	54	..	1.9	..	5.7	0	0	24	02	5	3	0	1	1	11	1	7	0
	1130	593	1012.9	947.4	..	25.8	15.5	6.7	10.1	31	..	1.7	..	12.4	0	3	26	00	1	21	1	1	0	3	2	2	0
	1730	593	1008.3	943.6	..	28.6	16.0	5.1	9.0	23	..	2.0	..	15.9	0	10	19	01	1	6	3	4	0	10	4	2	0
	2330	593	1013.0	946.1	..	19.2	12.9	7.2	10.4	47	..	0.7	..	9.9	0	0	28	02	1	3	1	0	0	17	4	3	0
POONA	0530	559	1014.5	949.4	..	11.3	9.2	7.0	10.1	76	..	0.5	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	0830	559	1015.9	951.5	-0.7	14.4	11.6	9.0	11.5	71	+ 7	2.4	+0.9	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1130	559	1013.3	951.4	..	25.8	16.3	9.0	11.5	35	..	2.1	..	3.0	0	0	16	01	3	4	5	0	0	2	1	15	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JANUARY 1969 (PAUSA 11 - MAGHA 11, 1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or ht. in gpm. of mean standard isobaric level	Mean pressure in mb. At station level	Mean pressure in mb. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD.)																											
POONA	1430	559	1008.9	948.0	..	29.3	17.5	8.6	11.4	28	..	2.7	..	5.0	0	0	23	01	2	13	0	1	0	5	1	8	0
	1730	559	1008.8	947.6	-0.8	28.4	17.2	8.6	11.2	30	- 1	2.7	+0.9	4.1	0	0	17	00	0	5	1	0	0	8	3	14	0
	2030	559	1012.4	949.7	..	21.2	14.7	9.2	11.5	46	..	0.7	..	1.8	0	0	10	00	0	0	0	0	0	8	2	21	0
	2330	559	1014.2	950.3	..	16.1	12.1	8.5	11.2	61	..	0.6	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
JEUR	0830	521	1015.4	955.7	-0.6	16.6	12.3	8.5	11.1	57	+ 2	1.1	-0.3	2.1	0	0	31	17	5	1	2	6	0	0	0	0	0
	1730	521	1008.6	945.3	-7.0	29.3	20.1	14.3	16.5	41	+ 9	1.1	-0.8	2.1	0	0	31	07	3	5	4	7	1	4	0	0	0
BARAMATI	0830	551	1015.4	952.3	-1.1	15.8	12.0	8.5	11.2	63	+ 1	0.9	-0.2	4.5	0	0	19	01	0	4	3	0	0	3	8	12	0
	1730	551	1008.4	948.4	-0.9	29.0	18.9	12.0	14.4	37	+ 4	1.4	-0.2	9.0	0	0	29	00	1	11	7	7	2	0	1	2	0
SHOLAPUR	0530	479	1012.9	958.1	..	17.2	11.9	7.0	10.2	52	..	1.0	..	4.8	0	0	27	02	6	1	15	1	0	1	1	4	0
	0830	479	1015.0	960.7	-0.6	20.1	13.6	7.3	10.9	46	- 4	1.0	-0.4	8.0	0	0	29	00	8	0	19	0	0	1	1	2	0
	1130	479	1013.3	960.3	..	27.3	17.2	9.7	12.3	34	..	1.5	..	10.3	0	0	30	00	1	2	17	6	4	0	0	1	0
	1430	479	1009.2	956.8	..	30.1	17.5	7.9	10.8	25	..	1.9	..	9.3	0	3	28	00	8	3	11	2	3	1	3	0	0
	1730	479	1008.8	956.3	-0.8	29.6	17.2	7.6	10.6	25	- 4	1.8	-0.5	6.1	0	0	30	06	6	3	11	2	2	0	0	1	0
	2330	479	1012.6	958.6	..	21.6	13.5	6.3	9.5	38	..	1.0	..	6.7	0	0	26	05	6	2	11	1	1	0	0	5	0
MIRAJ	0830	554	1014.7	951.8	-0.9	15.6	11.6	8.1	12.8	62	+ 1	1.7	+0.2	2.5	0	0	19	05	0	1	2	2	0	5	4	12	0
	1730	554	1007.6	947.9	-0.9	29.6	17.2	7.7	16.4	41	+ 7	2.1	-0.1	6.2	0	0	27	02	1	6	3	8	3	4	0	4	0
KOLHAPUR	0530	570	1012.5	947.5	..	15.5	12.2	9.2	11.9	68	..	0.9	..	2.3	0	0	11	00	3	8	0	0	0	0	0	20	0
	0830	570	1014.6	949.7	-1.1	17.0	12.7	9.0	11.5	60	+ 0	1.3	-0.1	2.8	0	0	12	00	4	5	3	0	0	0	0	19	0
	1130	570	1012.5	949.8	..	26.2	16.2	8.5	11.1	33	..	2.0	..	11.9	0	1	30	00	6	22	3	0	0	0	0	0	0
	1730	570	1007.5	945.7	-1.1	29.4	16.7	6.5	9.7	24	- 4	2.5	+0.7	9.7	0	2	27	01	4	15	5	0	0	3	1	2	0
	2330	570	1012.4	948.3	..	20.3	14.7	10.1	12.7	54	..	1.3	..	6.3	0	0	24	00	10	6	3	0	0	1	0	7	4
NASIK	0830		..	..	..	15.9	11.3	6.9	9.7	56	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
MARATHWADA																											
AURANGABAD	0830	581	1015.5	949.5	-1.0	18.0	11.7	5.3	9.1	45	- 7	1.5	-0.2	1.5	0	0	9	00	3	4	0	0	0	1	1	22	0
	1730	581	1009.5	946.1	-0.8	28.3	15.8	4.9	8.8	23	- 7	1.7	-0.4	5.7	0	0	27	04	1	5	0	2	2	7	6	4	0
AURANGABAD (CHIKALTHAN)	0230	579	1013.6	946.9	..	14.1	9.5	4.2	8.4	53	..	1.0	..	4.2	0	0	15	01	1	2	2	0	0	5	4	16	0
	0530	579	1014.1	947.0	..	11.7	8.1	4.0	8.1	60	..	1.1	..	2.1	0	0	7	00	0	0	3	0	0	3	1	24	0
	0830	579	1015.2	949.0	-1.2	16.3	10.9	4.9	8.8	49	- 4	1.9	+0.4	4.6	0	0	16	02	1	0	4	0	3	4	2	15	0
	1130	579	1013.2	949.3	..	25.9	15.2	6.1	9.2	29	..	1.9	..	14.8	0	4	27	01	1	5	8	5	6	2	2	0	1
	1430	579	1008.8	946.1	..	28.3	16.1	5.3	9.1	25	..	2.4	..	13.5	0	1	30	01	3	5	5	3	7	4	2	1	0
	1730	579	1008.9	945.6	-0.9	28.0	16.0	5.6	9.1	25	- 9	2.1	+0.1	9.4	0	0	27	05	3	3	4	1	4	5	2	4	0
	2030	579	1012.9	947.5	..	19.1	12.1	5.3	8.9	41	..	1.6	..	3.9	0	1	11	07	1	1	0	0	0	1	2	19	0
	2330	579	1014.2	948.1	..	15.4	10.1	4.6	8.5	49	..	1.0	..	4.6	0	0	15	00	3	1	1	0	2	5	3	16	0
PARBHANI	0830	423	1017.9	967.1	-0.9	18.1	12.0	5.1	9.1	44	- 5	1.1	-0.5	3.9	0	0	25	05	2	7	0	3	0	8	0	6	0
	1730	423	1009.6	963.0	-1.1	29.3	16.7	4.7	8.8	22	- 5	1.5	-0.4	6.3	0	1	28	05	5	9	3	3	0	3	1	2	0
NANDER	0830	358	1015.7	961.5	..	18.6	13.7	9.4	10.9	55	..	1.2	..	3.4	0	0	18	00	7	0	3	0	3	1	4	13	0
	1730	358	1012.1	970.4	..	31.3	21.2	10.1	12.1	66	..	0.9	..	15.5	1	0	16	01	8	0	3	0	4	0	1	14	0
BIR	0830	319	1015.6	956.2	..	16.8	13.0	9.9	12.2	64	..	1.7	..	0.8	0	0	5	00	1	0	1	0	3	0	0	26	0
	1730	319	1009.6	952.6	..	28.1	18.1	11.2	13.4	36	..	1.2	..	1.4	0	0	13	00	9	0	2	0	1	0	1	18	0
VIDARBHA																											
GONDIA	0830	313	1015.9	979.5	-1.4	16.8	13.7	10.8	13.4	69	+ 1	1.2	-0.6	1.0	0	0	10	01	0	1	1	1	2	0	4	21	0
	1730	313	1011.2	976.1	-1.3	26.2	17.7	10.9	13.9	40	+ 0	1.3	-0.3	0.8	0	0	11	04	0	0	1	2	0	3	1	20	0
NAGPUR (SONEGAON)	0230	310	1013.2	977.1	..	15.5	12.6	9.7	12.3	69	..	0.7	..	2.5	0	0	20	08	3	3	0	0	0	0	6	11	0
	0530	310	1013.6	977.3	..	13.7	11.5	9.1	12.0	74	..	1.0	..	2.1	0	0	18	07	4	0	0	0	0	1	6	13	0
	0830	310	1015.7	979.7	-1.4	17.3	13.3	9.4	12.6	61	- 4	1.9	+0.0	5.5	0	1	24	11	7	2	0	0	2	0	3	6	0
	1130	310	1014.3	979.4	..	25.4	17.4	10.8	13.8	42	..	2.1	..	6.5	0	1	28	03	6	8	4	5	2	1	0	2	0
	1430	310	1010.5	976.0	..	28.6	18.6	10.8	13.5	35	..	2.7	..	6.8	0	0	29	04	2	5	7	3	1	2	5	2	0
	1730	310	1010.4	975.7	-1.2	27.0	17.8	10.3	13.1	38	+ 0	2.3	+0.2	4.3	0	0	25	02	4	12	2	1	2	2	0	6	0
	2030	310	1013.1	977.5	..	20.0	15.0	10.6	13.2	56	..	0.7	..	4.1	0	0	24	03	3	11	5	1	1	0	0	7	0
	2330	310	1013.8	977.9	..	17.2	13.6	10.3	12.9	65	..	0.6	..	3.4	0	0	21	06	8	3	3	0	0	0	1	10	0
AMRAUTI	0830	370	1014.9	972.5	-1.3	19.5	13.9	8.6	11.5	50	+ 1	1.5	-0.7	3.3	0	0	30	03	12	9	3	1	2	0	0	1	0
	1730	370	1010.0	969.0	-1.2	28.1	17.5	9.1	11.4	30	+ 0	1.6	-0.7	4.3	0	0	29	02	1	5	5	2	5	6	3	2	0
AKOLA AERODROME	0530	309	1012.4	976.4	..	15.2	10.3	4.0	8.7	49	..	1.5	..	7.5	0	0	31	00	15	6	1	1	4	2	2	0	0
	0830	309	1014.5	978.6	..	17.1	11.4	4.6	9.2	46	..	2.6	..	8.2	0	0	30	02	7	9	0	2	4	6	0	1	0
	1130	309	1013.7	978.9	..	26.1	15.9	6.0	10.1	30	..	2.5	..	8.7	0	0	31	01	8	8	5	0	3	3	3	0	0
	1430	309	1009.7	975.5	..	29.7	17.1	4.5	9.3	22	..	2.7	..	7.2	0	0	30	02	5	4	4	2	2	8	3	1	0
	1730	309	1009.2	974.8	..	29.1	16.6	4.0	8.8	22	..	2.8	..	7.7	0	1	30	03	7	3	1	0	3	7	7	0	0
	2030	309	1011.5	976.4	..	23.4	14.2	3.9	8.8	31	..	1.4	..	6.3	0	0	30	04	8	7	3	0	0	4	4	1	0
	2330	309	1012.4	976.9	..	20.4	12.5	3.6	8.5	36	..	0.9	..	7.4	0	0	31	01	7	1	6	8	3	3	2	0	0
AKOLA	0830	282	1015.3	982.4	-1.1	16.5	12.0	7.3	10.7	54	- 3	1.7	+0.2	3.8	0	0	24	00	9	6	3	0	5	0	1	7	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JANUARY 1969 PAUSA 11 - MAGHA 11, 1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or lat. in gms. of normal standard barometric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Kts. per hour	Wind speed (Kts. per h.) 62 or more	20 to 61	1 to 19	No. of observations Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VIDARBHA (CONTD)																											
AKOLA	1730	282	1010.2	978.8	-0.6	29.1	17.8	8.2	11.8	29	+ 0	1.8	+0.3	6.5	0	0	24	00	9	0	1	0	4	2	8	7	0
BRAMHAPURI	0830	229	1015.7	989.0	-1.4	16.8	14.2	11.9	14.2	73	+ 0	2.1	+0.5	2.1	0	0	20	07	1	4	2	3	1	1	1	11	0
	1730	229	1011.0	985.3	-1.5	27.8	18.0	9.7	12.8	35	- 4	1.7	+0.2	2.3	0	0	21	05	10	2	1	1	1	1	0	10	0
BULDANA	0830	650	1014.5	941.1	-1.0	18.6	13.7	9.4	12.3	56	+ 2	1.5	-0.3	7.3	0	0	28	06	0	1	6	10	3	0	2	3	0
	1730	650	1009.3	938.2	-1.0	26.5	18.0	12.1	14.6	42	+ 7	2.1	-0.1	5.6	0	0	31	04	10	1	7	0	2	0	7	0	0
YEOTMAL	0830	451	1014.8	963.5	-1.1	20.1	13.3	5.9	9.9	43	-10	2.1	-0.1	6.8	0	0	29	00	6	15	3	1	2	2	0	2	0
	1730	451	1009.9	960.1	-1.1	27.6	16.3	4.9	9.4	26	- 7	1.9	-0.4	5.5	0	0	26	03	10	3	1	1	1	2	5	5	0
CHANDRAPUR	0830	193	1015.1	992.5	-1.5	17.2	14.2	11.6	14.1	70	- 1	1.5	-0.2	4.1	0	0	26	04	4	11	1	2	2	1	1	5	0
	1730	193	1010.2	988.5	-1.7	28.6	17.9	8.9	12.1	31	-12	1.6	-0.3	3.9	0	0	27	03	6	13	0	1	0	1	3	4	0
PUSAD	0830	334	1016.3	977.5	..	16.7	12.4	8.0	11.2	57	..	1.3	..	2.0	0	0	31	00	1	1	4	0	3	0	22	0	0
	1730	334	1010.2	973.2	..	29.7	18.7	9.5	12.4	30	..	2.0	..	3.1	0	0	30	00	7	0	12	0	8	0	3	1	0
SIRONCHA	0830	123	1016.3	1001.9	-0.7	19.8	16.6	14.0	16.5	70	- 5	0.9	-0.7	1.4	0	0	16	02	0	4	6	3	0	1	0	15	0
	1730	123	1011.1	997.3	-1.0	29.6	19.2	11.0	13.9	34	- 5	0.6	-0.7	2.0	0	0	23	06	4	8	1	2	0	2	0	8	0
WARDHA	0830	283	1015.3	982.7	..	20.0	13.8	7.8	11.0	47	..	0.9	..	3.4	0	0	31	12	14	2	1	1	1	0	0	0	0
	1730	283	1010.4	978.8	..	28.0	17.3	8.6	11.2	30	..	0.7	..	2.8	0	0	28	04	5	4	4	1	1	5	4	3	0
BHANDARA	0830	266	1015.3	984.3	..	17.7	13.6	9.5	12.4	61	..	.	..	3.9	0	0	28	02	12	2	7	1	2	0	2	3	0
	1730	266	1011.3	981.4	..	26.1	17.9	11.1	14.0	42	..	.	..	2.9	0	0	28	01	17	4	3	0	2	0	0	3	1
COASTAL ANDHRA PRADESH																											
KALINGAPATAM	0830	6	1015.3	1014.6	-1.2	20.8	18.7	17.3	20.0	81	- 1	0.4[a]	-2.2	4.3[a]	0	0	29	08	0	0	0	0	0	1	18	1	2
	1730	6	1011.7	1011.0	-1.8	24.5	21.1	19.1	22.3	73	+ 4	0.4[b]	-2.3	12.9[b]	0	1	28	03	4	6	1	5	3	1	0	0	6
VISHAKHAPATNAM	0230	3	1012.9	1012.5	..	19.8	18.2	17.1	19.6	85	..	0.6	..	1.3	0	0	9	02	0	0	0	0	0	0	7	22	0
	0530	3	1012.7	1013.1	..	18.8	17.6	16.8	19.3	88	..	2.9	..	1.6	0	0	11	00	0	0	0	0	0	2	9	20	0
	0830	3	1015.5	1015.1	-0.9	22.9	19.5	17.4	20.0	72	- 5	1.7	-0.3	3.0	0	0	16	01	1	1	1	1	1	2	8	15	0
	1130	3	1014.6	1014.2	..	27.9	20.5	15.7	18.2	48	..	1.6	..	12.9	0	4	27	02	2	6	11	3	4	2	0	0	1
	1430	3	1011.6	1011.2	..	28.0	20.5	15.7	18.3	48	..	1.2	..	21.7	0	24	7	00	0	7	14	7	3	0	0	0	0
	1730	3	1011.9	1011.5	-1.3	25.3	20.4	17.4	20.2	62	-16	1.5	-0.5	15.4	0	8	23	00	0	6	15	5	5	0	0	0	0
	2030	3	1014.1	1013.7	..	22.9	20.0	18.3	21.3	75	..	0.9	..	2.5	0	0	15	03	4	3	1	1	1	0	2	16	0
	2330	3	1014.2	1013.8	..	21.2	19.2	17.9	20.6	81	..	1.2	..	1.4	0	0	9	02	1	0	0	0	0	2	4	22	0
KAKINADA	0830	8	1015.5	1014.6	-1.0	24.7	20.9	18.6	21.7	69	- 3	1.2	-0.8	8.2	0	0	24	00	20	0	2	0	0	0	2	7	0
	1730	8	1011.5	1010.6	-1.6	26.6	22.3	20.0	23.5	68	- 2	0.9	-0.6	13.6	0	3	28	00	1	8	22	0	0	0	0	0	0
NIDADAVOLE	0830	12	1015.6	1014.1	-0.7	21.4	18.7	17.0	19.5	76	- 1	1.7	-1.1	6.0	0	0	31	14	14	0	0	0	0	0	3	0	0
	1730	12	1011.4	1010.0	-0.9	27.7	20.6	16.1	18.6	50	- 5	1.6	-1.7	7.1	0	1	30	00	0	9	6	6	10	0	0	0	0
RENTACHINTALA	0830	106	1015.0	1002.7	-0.9	21.4	18.4	16.4	18.9	74	+ 3	1.8	-0.7	0.3	0	0	4	01	0	1	0	1	0	1	0	27	0
	1730	106	1010.3	998.3	-1.1	29.0	19.6	12.8	15.5	38	+ 5	1.5	-1.3	0.5	0	0	7	01	0	3	0	2	0	1	0	24	0
GANNAVARAM	0230	24	1012.6	1009.7	..	19.3	18.4	17.7	20.4	91	..	0.9	..	3.4	0	1	10	02	4	3	1	0	0	0	1	20	0
	0530	24	1012.8	1009.9	..	18.6	17.8	17.3	19.8	92	..	1.1	..	2.1	0	0	11	01	5	3	2	0	0	0	0	20	0
	0830	24	1015.3	1012.5	-0.8	22.6	19.8	18.0	20.8	76	+ 2	2.0	+0.3	7.5	0	0	21	01	6	11	1	1	0	0	1	10	0
	1130	24	1014.6	1011.8	..	27.4	20.9	16.9	19.4	53	..	2.3	..	12.1	0	6	22	00	1	15	6	5	1	0	0	3	0
	1430	24	1011.1	1008.4	..	29.6	20.9	15.3	17.6	43	..	2.2	..	13.0	0	3	27	00	3	8	10	8	1	0	0	1	0
	1730	24	1011.0	1008.3	-1.2	27.6	20.3	15.5	17.9	49	- 5	1.5	-0.4	11.2	0	3	28	00	0	7	18	6	0	0	0	0	0
	2030	24	1013.3	1010.5	..	22.0	19.6	18.2	21.0	80	..	0.6	..	5.5	0	0	23	00	0	3	16	4	0	0	0	8	0
	2330	24	1013.6	1010.9	..	20.4	18.9	17.9	20.5	85	..	0.5	..	2.3	0	0	9	00	1	4	4	0	0	0	0	22	0
MASULIPATAM	0830	3	1015.2	1014.8	-1.0	21.7	19.9	18.9	21.9	85	+ 4	2.6	+0.5	3.5	0	0	29	11	9	1	2	0	0	2	4	2	0
	1730	3	1011.4	1011.0	-1.5	25.7	21.4	19.0	22.0	67	- 2	2.2	+0.7	4.7	0	0	31	00	0	12	13	1	1	0	0	0	4
ONGOLE	0830	12	1015.1	1013.7	-0.9	22.2	20.1	18.9	22.0	82	+ 1	0.2	-1.9	5.4[b]	0	0	28	18	2	0	0	0	3	4	1	1	0
	1730	12	1011.3	1009.9	-1.2	26.6	21.9	19.2	22.4	65	- 5	0.2	-1.3	7.2[a]	0	0	30	01	0	20	9	0	0	0	0	0	0
NELLORE	0530	20	1012.5	1010.2	..	20.1	19.3	18.8	21.8	92	..	2.2	..	0.1	0	0	1	00	1	0	0	0	0	0	0	30	0
	0830	20	1014.9	1012.6	-1.0	22.3	20.5	19.4	22.7	84	+ 0	3.5	+0.4	5.5	0	0	31	00	4	0	6	0	0	0	21	0	0
	1130	20	1014.5	1012.2	..	28.0	21.7	18.0	20.8	55	..	3.1	..	8.6	0	0	31	01	15	0	13	1	0	0	1	0	0
	1430	20	1011.6	1009.3	..	29.4	22.0	17.7	20.4	50	..	3.1	..	13.9	1	0	30	01	13	0	16	1	0	0	0	0	0
	1730	20	1011.3	1009.0	-1.0	27.0	21.7	18.7	21.7	61	- 3	3.1	+0.2	5.1	0	0	31	08	22	0	1	0	0	0	0	0	0
	2330	20	1013.7	1011.4	..	21.9	20.3	19.4	22.6	86	..	1.6	..	0.8	0	0	4	00	4	0	0	0	0	0	0	27	0
TELANGANA																											
RAMGUNDAM	0830	156	1015.1	996.9	-1.2	20.3	16.5	13.6	16.4	66	+ 2	1.2	-0.9	2.1	0	0	23	00	4	9	7	3	0	0	0	8	0
	1730	156	1010.3	992.7	-1.3	29.5	19.3	11.7	14.3	35	+ 0	0.6	-1.4	2.1	0	0	22	00	3	8	9	0	2	0	0	9	0
NIZAMABAD	0830	381	1014.8	971.2	-0.9	19.7	15.5	12.0	14.3	63	- 1	1.4	-0.2	0.5	0	0	5	00	0	0	1	1	2	0	1	26	0
	1730	381	1009.6	967.6	-0.7	29.3	23.0	19.7	23.3	57	+25	1.5	-0.5	1.1	0	0	13	02	3	0	5	0	2	0	1	18	0
HANAMKONDA	0830	269	1015.1	984.2	-1.2	19.9	17.3	15.4	18.2	76	+ 1	0.7	-1.4	1.4	0	0	21	01	0	0	2	18	0	0	0	10	0
	1730	269	1011.4	981.4	-0.4	28.5	18.8	11.4	13.8	36	+ 0	0.6	-1.0	1.9	0	0	29	13	2	2	7	5	0	0	0	2	0
HAKIMPET AERODROME	0530	613	1013.0	943.6	..	17.4	14.3	11.7	14.3	72	..	1.4	..	5.0	0	0	20	01	5	6	6	0	1	0	1	11	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JANUARY ,1969 PAUSA 11 - MAGHA 11,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gen. of mean standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind speed (Km. per hour) 0 or calm	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TELANGANA (CONTD.)																											
HAKIMPET AERODROME	0830	613	1014.1	945.4	..	20.5	16.2	12.8	15.4	65	..	3.2	..	8.1	0	1	27	01	2	3	13	7	1	1	0	3	0
	1130	613	1012.8	945.3	..	26.0	18.1	12.9	15.1	46	..	2.1	..	12.6	0	2	28	01	2	5	15	4	3	0	0	1	0
	1730	613	1009.9	942.8	..	26.7	17.5	10.5	13.3	39	..	2.3	..	10.7	0	3	25	03	5	8	9	1	0	0	2	3	0
	2330	613	1012.9	944.2	..	20.3	15.2	10.8	13.5	57	..	1.4	..	5.8	0	0	23	02	5	6	10	0	0	0	0	8	0
BHADRACHALLAM	0830	111	1014.9	1001.9	-1.9	19.3	16.8	14.9	17.2	76	- 1	1.4	-0.9	2.9	0	0	31	01	28	1	0	0	0	0	1	0	0
	1730	111	1009.8	997.4	-1.9	30.1	18.8	10.0	13.1	30	-11	1.5	-0.8	2.1	0	0	31	01	26	1	3	0	0	0	0	0	0
HYDERABAD(BEGAMPET)	0230	545	1012.9	951.0	..	17.0	14.3	12.0	14.4	74	..	0.9	..	3.2	0	0	18	02	1	4	8	2	0	0	1	13	0
	0530	545	1013.3	951.0	..	15.5	13.4	11.6	14.0	79	..	1.1	..	2.5	0	0	18	03	3	3	5	1	1	2	0	13	0
	0830	545	1015.4	953.3	-1.0	17.3	14.6	12.5	14.8	74	- 5	2.5	+0.1	4.6	0	0	25	05	1	2	9	3	3	1	1	6	0
	1130	545	1013.5	953.2	..	25.9	17.0	10.3	13.0	40	..	1.6	..	9.6	0	1	30	00	0	2	12	9	7	1	0	0	0
	1730	545	1009.4	949.8	-0.8	27.8	17.0	8.5	11.9	31	- 5	1.9	-0.2	8.3	0	0	31	01	2	7	17	1	1	1	1	0	0
	2330	545	1013.7	952.1	..	19.2	14.9	11.5	13.8	62	..	1.0	..	3.6	0	0	23	02	4	3	11	2	0	1	0	8	0
KHAMMAM	0830	112	1015.3	1002.4	-0.7	22.0	19.0	17.2	19.7	74	- 6	2.0	+0.0	1.9	0	0	15	01	0	8	4	2	0	0	0	16	0
	1730	112	1010.6	998.0	-1.1	29.9	19.7	12.5	14.8	35	- 5	1.6	-0.6	0.7	0	0	9	01	1	3	3	1	0	0	0	22	0
MAHBUBNAGAR	0830	505	1014.3	957.5	-0.8	22.1	16.1	11.8	14.1	54	-15	2.3	+0.5	2.7	0	0	19	00	6	11	2	0	0	0	0	12	0
	1730	505	1009.0	953.6	-1.1	28.0	16.7	7.7	10.8	29	- 9	3.0	+0.9	7.9	0	0	28	00	7	13	3	1	3	1	0	3	0
RAYALASEEMA																											
KURNOOL	0830	281	1015.2	983.0	-0.3	21.2	16.5	12.8	15.0	60	-10	2.3	+0.6	3.9	0	0	31	00	11	0	17	0	2	0	1	0	0
	1730	281	1009.3	978.2	-1.0	30.1	18.9	10.2	12.7	30	- 2	2.1	-0.2	4.8	0	0	29	00	10	0	17	0	0	0	1	2	1
NANDYAL	0830	212	1014.1	989.7	..	20.7	17.6	15.4	17.6	72	..	1.5	..	1.8	0	1	10	00	3	3	0	2	2	1	0	20	0
	1730	212	1009.4	985.8	..	29.8	20.2	13.7	15.8	38	..	1.4	..	11.1	0	3	25	00	2	14	4	4	3	1	0	3	0
ANANTAPUR	0530	350	1012.4	972.1	..	17.2	14.4	11.9	14.4	72	..	1.2	..	2.4	0	0	10	00	0	8	2	0	0	0	0	21	0
	0830	350	1014.6	974.6	-0.6	20.3	16.0	12.4	15.0	61	- 8	2.0	+0.4	3.1	0	0	14	00	1	11	1	1	0	0	0	17	0
	1130	350	1013.3	974.1	..	26.4	18.2	11.9	14.3	42	..	2.4	..	8.9	0	0	28	00	3	23	1	1	0	0	0	3	0
	1430	350	1009.2	970.6	..	29.1	18.2	9.2	12.2	30	..	3.1	..	10.4	0	1	30	01	9	17	3	0	1	0	0	0	0
	1730	350	1008.9	970.2	-0.8	28.4	18.2	9.9	12.6	33	- 3	2.9	+0.8	10.4	0	1	25	00	6	18	1	0	1	0	0	5	0
	2030	350	1011.6	972.3	..	24.7	17.6	12.1	14.8	46	..	1.7	..	7.7	0	0	24	00	0	21	2	0	1	0	0	7	0
	2330	350	1012.5	972.8	..	21.9	16.6	12.3	14.7	55	..	1.3	..	9.6	0	4	20	00	0	14	10	0	0	0	0	7	0
CUDDAPAH	0830	130	1014.9	1000.0	-0.9	22.9	19.2	16.7	19.2	69	+ 1	1.1	-1.1	0.8	0	0	6	00	0	4	2	0	0	0	0	25	0
	1730	130	1010.3	995.6	-1.1	28.7	20.1	14.3	16.5	42	-12	1.3	-1.3	5.5	0	0	31	00	0	26	5	0	0	0	0	0	0
AROGYAVARAM	0830	701	1014.9	936.4	-0.7	18.9	15.9	13.7	16.0	73	- 6	3.4	+0.2	2.8	0	0	20	02	1	0	14	1	1	0	1	11	0
	1730	701	1009.4	933.0	-0.8	25.7	17.6	11.9	14.4	44	- 3	3.4	-0.2	7.9	0	0	31	03	16	6	6	0	0	0	0	0	0
TAMIL NADU(INCLUDING PONDICHERRY)																											
MADRAS	0830	6	1014.1	1013.4	-0.8	23.4	20.8	19.3	22.5	78	+ 0	4.7	+0.9	4.5	0	0	22	07	8	0	0	0	0	5	2	9	0
	1730	6	1011.0	1010.3	..	25.8	21.2	18.6	21.7	65	..	3.4	..	8.8	0	1	29	03	23	4	0	0	0	0	0	1	0
MADRAS(MINAMBAKKAM)	0230	16	1012.0	1010.2	..	20.9	19.4	18.5	21.4	86	..	2.1	..	1.4	0	0	11	02	3	0	1	0	0	1	4	20	0
	0530	16	1012.1	1010.3	..	20.1	18.9	18.3	21.1	89	..	2.3	..	2.2	0	0	16	03	0	0	0	0	1	6	6	15	0
	0830	16	1014.4	1012.6	-1.0	22.3	20.1	18.8	21.9	81	- 2	3.4	-0.2	5.0	0	0	27	07	0	0	0	0	1	7	12	4	0
	1130	16	1014.1	1012.3	..	27.7	21.3	17.6	20.3	55	..	4.2	..	12.7	0	6	22	03	16	7	2	0	0	0	0	3	0
	1430	16	1011.1	1009.3	..	28.2	21.2	17.0	19.6	52	..	3.2	..	12.6	0	3	28	03	15	11	2	0	0	0	0	0	0
	1730	16	1011.1	1009.4	-1.1	26.2	20.8	17.5	20.2	59	- 8	3.8	+0.4	12.1	0	2	29	03	17	9	2	0	0	0	0	0	0
	2030	16	1013.2	1011.4	..	23.7	20.4	18.5	21.4	73	..	2.1	..	4.5	0	0	21	05	7	7	2	0	0	0	0	10	0
	2330	16	1013.4	1011.6	..	22.0	19.9	18.7	21.6	82	..	1.9	..	3.1	0	0	16	05	6	1	2	0	0	0	2	15	0
VELLORE	0530	214	1012.9	988.1	..	18.1	17.0	16.1	18.5	88	..	2.5	..	0.1	0	0	1	00	0	1	0	0	0	0	0	30	0
	0830	214	1015.2	990.5	-0.5	20.4	18.1	16.6	19.1	79	- 6	3.3	-0.3	0.2	0	0	2	00	0	0	0	0	0	0	2	29	0
	1130	214	1014.1	989.9	..	26.7	20.3	16.6	19.2	53	..	3.7	..	5.1	0	0	28	03	18	7	0	0	0	0	0	3	0
	1730	214	1010.1	986.2	-0.9	28.3	19.8	14.1	16.7	43	- 9	3.3	+0.1	8.4	0	1	30	00	23	8	0	0	0	0	0	0	0
	2330	214	1013.9	989.4	..	22.0	19.1	17.2	19.9	74	..	1.5	..	2.3	0	0	12	00	9	3	0	0	0	0	0	19	0
TAMBARAM AERODROME	0830	29	1014.1	1010.7	..	21.5	20.5	19.9	23.4	90	..	3.4	..	9.3	0	0	30	12	1	0	0	0	0	1	16	1	0
	1730	29	1011.1	1007.8	..	26.9	21.9	19.0	22.3	63	..	3.4	..	21.5	0	19	12	00	18	11	2	0	0	0	0	0	0
TIRUPPATTUR	0830	390	1014.8	970.3	-0.6	22.2	21.3	20.8	24.6	92	+ 4	6.6	+1.5	2.5	0	0	25	09	5	0	0	10	0	0	1	6	0
	1730	390	1009.1	965.8	-1.2	26.6	23.2	21.5	25.6	74	+20	7.1	+2.2	4.5	0	0	31	13	6	0	0	11	0	0	1	0	0
METTUR DAM R.S.	0830		..	..	..	22.7	18.6	16.0	18.3	66	..	4.0	..	4.6	0	0	31	00	24	0	1	0	1	0	5	0	0
	1730		..	..	..	30.5	19.7	11.9	14.3	35	..	5.3	..	8.5	0	0	31	00	20	0	4	0	5	0	2	0	0
CUDDALORE	0530	12	1011.7	1010.3	..	20.0	18.9	18.3	21.2	90	..	2.3	..	1.0	0	0	8	02	4	0	0	0	0	2	0	23	0
	0830	12	1014.0	1012.5	-1.2	22.3	20.4	19.3	22.4	83	+ 0	3.1	-1.0	6.5	0	0	30	15	11	0	0	0	0	1	3	1	0
	1130	12	1013.8	1012.4	..	27.3	22.3	19.6	23.0	63	..	3.4	..	11.4	0	2	29	06	21	4	0	0	0	0	0	0	0
	1430	12	1010.9	1009.5	..	27.4	22.5	19.8	23.2	63	..	3.1	..	14.1	0	7	24	03	25	2	1	0	0	0	0	0	0
	1730	12	1010.6	1009.3	-1.3	26.0	21.7	19.3	22.6	67	- 4	3.4	-0.3	10.6	0	3	28	02	23	3	3	0	0	0	0	0	0
	2330	12	1013.1	1011.7	..	23.5	20.9	19.4	22.6	78	..	2.5	..	9.2	0	2	26	06	19	2	2	0	0	0	0	3	0
KALLAKURICHCHI	0830	127	1014.2	999.6	-1.0	22.3	19.9	18.3	21.3	79	+ 2	2.7	-0.7	7.0	0	0	29	03	0	0	0	0	0	0	26	2	0
	1730	127	1009.7	995.5	-1.0	28.3	21.1	16.8	19.4	51	- 2	2.7	-1.0	11.5	0	0	31	01	22	8	0	0	0	0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JANUARY ,1969PAUSA 11 - MAGHA 11,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or Mb. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.) 62 or more	Wind Speed (Km. p. h.) 20 to 61	Wind Speed (Km. p. h.) 1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TAMILNADU(INCLUDING PONDICHERRY)																											
SALEM	0530	278	1011.4	979.4	..	20.2	17.2	15.1	17.4	73	..	0.4	..	3.1	0	0	14	06	4	2	2	0	0	0	0	17	0
	0830	278	1013.5	981.8	-1.4	21.1	17.6	15.3	17.5	69	- 4	1.9	-0.6	1.5	0	0	10	02	3	5	0	0	0	0	0	21	0
	1130	278	1012.5	981.5	..	28.1	19.2	13.1	15.4	40	..	2.9	..	7.0	0	0	29	01	6	15	5	0	0	0	0	2	2
	1730	278	1008.2	977.5	-1.3	29.9	19.5	11.5	14.2	33	-10	3.3	+0.3	5.7	0	0	30	01	3	23	3	0	0	0	0	1	0
	2330	278	1011.9	980.5	..	23.7	18.9	15.7	18.1	62	..	0.3	..	10.8	0	0	31	00	5	21	5	0	0	0	0	0	0
COIMBATORE(PILAMEDU)	0530	399	1012.2	966.8	..	19.2	17.2	15.8	18.2	81	..	1.9	..	6.7	0	0	20	06	6	6	0	0	0	1	1	11	0
	0830	399	1014.1	969.0	-0.7	21.6	18.3	16.1	18.5	72	- 4	2.9	-0.8	10.5	0	2	24	05	13	8	0	0	0	0	0	5	0
	1130	399	1012.7	968.3	..	26.5	19.1	13.9	16.2	47	..	2.8	..	18.0	0	14	16	02	15	13	0	0	0	0	0	1	0
	1430	399	1008.7	965.0	..	29.5	19.3	11.7	14.1	34	..	3.5	..	15.2	0	7	23	00	12	16	2	0	0	0	0	1	0
	1730	399	1008.3	964.5	-0.8	29.2	18.8	10.7	13.4	34	- 6	3.0	+0.0	16.6	0	7	24	01	10	19	1	0	0	0	0	0	0
	2030	399	1011.2	966.7	..	25.1	17.9	12.3	14.7	46	..	1.9	..	10.5	0	4	20	00	5	15	4	0	0	0	0	7	0
	2330	399	1012.5	967.6	..	22.8	18.1	14.7	17.1	61	..	1.4	..	14.2	0	7	20	00	4	17	3	1	1	1	0	4	0
COIMBATORE	0830		(R)																								
NAGAPATTINAM	0830	9	1013.7	1012.6	-0.9	24.2	21.3	19.7	23.0	76	- 2	5.4	+1.0	11.9	0	8	22	05	12	1	0	0	0	0	12	1	0
	1730	9	1010.3	1009.2	-1.3	26.5	22.1	19.7	23.1	67	- 7	5.6	+1.6	21.0	0	21	10	03	27	1	0	0	0	0	0	0	0
TIRUCHCHIRAPPALLI	0230	88	1011.4	1001.2	..	20.8	19.5	18.7	21.7	88	..	2.7	..	9.4	0	0	31	14	11	0	0	0	1	1	4	0	0
	0530	88	1011.4	1001.2	..	20.0	18.9	18.2	21.1	89	..	2.6	..	7.7	0	0	28	12	9	0	0	0	1	2	4	3	0
	0830	88	1013.7	1003.6	-1.1	23.2	20.2	18.5	21.4	75	- 4	3.3	-0.1	13.2	0	4	27	19	6	0	0	0	0	3	3	0	0
	1130	88	1013.0	1003.1	..	27.8	21.4	17.6	20.4	55	..	3.8	..	18.9	0	17	14	09	21	0	0	0	0	0	1	0	0
	1430	88	1009.5	999.6	..	29.7	21.5	16.5	19.1	46	..	3.6	..	16.1	0	6	25	01	25	4	0	0	0	0	1	0	0
	1730	88	1009.3	999.4	-1.3	28.3	21.3	17.0	19.7	51	- 3	3.3	-0.4	15.4	0	7	24	00	17	14	0	0	0	0	0	0	0
	2030	88	1012.1	1002.0	..	24.0	20.7	18.7	21.8	73	..	2.7	..	13.3	0	2	29	00	22	9	0	0	0	0	0	0	0
	2330	88	1012.7	1002.6	..	21.7	20.1	19.1	22.3	85	..	2.9	..	8.4	0	0	30	11	16	2	0	0	0	0	1	1	0
VEDARANNIYAM	0830	4	1013.0	1012.5	..	25.1	22.0	20.3	24.0	75	..	5.5	..	8.1	0	0	31	04	20	3	1	0	0	0	3	0	0
	1730	4	1011.0	1010.5	..	26.5	22.4	20.1	23.7	68	..	5.5	..	10.5	0	0	31	03	23	5	0	0	0	0	0	0	0
ATIRAMPATTINAM	0830	6	1013.2	1012.5	..	23.1	21.3	20.4	24.0	85	..	3.6	..	7.6	0	0	31	25	2	0	0	0	0	0	4	0	0
	1730	6	1009.9	1009.2	..	27.3	23.8	22.0	26.5	73	..	4.0	..	14.1	0	2	29	05	18	5	1	1	1	0	0	0	0
MADURAI	0830	133	1013.8	998.6	-0.6	24.7	20.9	18.7	21.8	70	- 5	3.8	-0.1	4.0	0	0	31	30	1	0	0	0	0	0	0	0	0
MADURAI AERODROME	0530	131	1011.4	996.2	..	20.5	19.5	18.8	21.8	90	..	1.6	..	5.4	0	0	16	10	4	1	0	0	0	0	1	15	0
	0830	131	1013.5	998.4	-0.7	23.6	20.7	19.0	22.0	76	- 1	3.0	-0.7	10.8	0	2	28	18	10	0	0	0	0	0	2	1	0
	1130	131	1012.7	997.9	..	28.0	21.8	18.2	21.1	56	..	3.5	..	18.9	0	13	18	13	17	1	0	0	0	0	0	0	0
	1730	131	1009.0	994.3	-0.8	28.9	21.7	17.4	20.0	50	- 4	3.8	-0.3	17.3	0	9	22	05	20	6	0	0	0	0	0	0	0
TONDI	0830	5	1013.4	1012.8	-0.4	23.7	21.2	19.8	23.3	79	- 2	5.4	+0.5	11.1	0	1	30	25	4	0	0	0	0	0	2	0	0
	1730	5	1010.1	1009.5	-0.4	26.6	23.0	21.1	25.2	72	- 3	5.8	+0.9	18.9	0	12	19	10	11	10	0	0	0	0	0	0	0
PAMBAN	0830	11	1012.8	1011.5	-1.2	25.2	23.1	21.9	26.4	82	+ 1	4.9	+0.7	15.3	0	10	21	19	5	1	0	0	0	0	6	0	0
	1730	11	1009.4	1008.1	-1.5	26.9	23.8	22.2	26.8	76	- 5	3.9	+0.6	18.0	0	10	21	20	11	0	0	0	0	0	0	0	0
TUTICORIN	0830	4	1013.5	1013.1	-1.2	24.5	21.3	19.6	22.7	74	- 3	2.6	-0.3	12.5	0	0	31	24	4	0	0	0	0	0	3	0	0
	1730	4	1009.3	1008.9	-1.4	26.9	23.7	22.2	26.8	75	+ 1	1.7	-0.4	30.2	0	31	0	00	15	16	0	0	0	0	0	0	0
PALAYANKUTTAI	0830	51	1013.4	1007.6	-0.9	24.3	21.2	19.4	22.6	74	- 2	5.3	+0.7	9.8	0	0	31	20	3	1	0	0	0	0	7	0	0
	1730	51	1009.2	1003.5	-0.8	29.0	22.9	19.6	22.8	57	- 2	4.6	+0.4	9.9	0	1	29	03	16	10	1	0	0	0	0	0	0
KANNIYAKUMARI	0830	37	1011.7	1007.9	..	26.4	23.0	17.8	20.6	63	..	3.0	..	31.5	1	24	6	15	16	0	0	0	0	0	0	0	0
	1730	37	1008.5	1004.4	..	27.2	23.1	21.0	24.8	69	..	3.6	..	24.1	0	24	7	01	20	10	0	0	0	0	0	0	0
PONDICHERRY	0830	6	1013.9	1013.2	..	23.9	20.8	19.2	22.5	76	..	3.5	..	12.0	0	1	30	09	2	1	0	0	0	0	19	0	0
	1730	6	1010.5	1009.8	..	26.2	22.0	19.6	23.0	68	..	3.7	..	27.7	0	27	4	00	21	6	4	0	0	0	0	0	0
PORT NOVA	0830		(R)																								
TUTICORIN H.P.	0830		(R)																								
	1130		(R)																								
	1430		(R)																								
	1730		(R)																								
COASTAL MYSORE																											
KARWAR	0830	4	1013.1	1012.6	-0.6	21.9	18.3	15.9	18.2	70	- 6	1.0	-0.7	2.7	0	0	28	00	2	21	3	0	0	0	1	3	1
	1730	4	1009.2	1008.7	-1.0	28.9	23.5	20.5	24.3	61	+ 1	1.9	+0.3	5.8	0	0	31	01	1	0	0	0	1	5	23	0	0
HONAVAR	0830	26	1012.7	1009.7	-1.3	22.1	17.5	14.1	16.5	63	- 5	3.5	+0.9	5.4	0	0	30	00	6	23	1	0	0	0	0	1	0
	1730	26	1008.6	1005.7	-1.7	29.4	22.6	18.7	21.8	54	- 5	3.6	+1.2	3.8	0	0	30	00	1	1	0	2	0	24	2	1	0
MANGALORE(BAJPE)	0230	102	1010.2	998.5	..	22.6	20.5	19.3	22.4	82	..	2.2	..	3.8	0	0	17	02	7	7	1	0	0	0	0	14	0
	0530	102	1010.1	998.4	..	21.3	19.4	18.3	21.2	83	..	2.4	..	6.1	0	0	20	00	6	13	1	0	0	0	0	11	0
	0830	102	1012.0	1000.4	-1.3	24.1	19.6	16.7	19.2	64	- 6	3.3	+1.0	11.3	0	1	28	00	6	23	0	0	0	0	0	2	0
	1130	102	1011.7	1000.3	..	30.1	20.8	14.7	17.0	40	..	3.2	..	13.9	0	7	22	00	2	14	6	1	0	1	5	2	0
	1430	102	1008.3	997.0	..	31.8	21.7	15.4	17.9	38	..	3.6	..	16.6	0	7	23	00	0	4	1	0	3	18	4	1	0
	1730	102	1007.9	996.5	-1.6	29.0	22.2	18.3	21.2	53	- 4	3.0	+0.8	17.4	0	6	25	00	0	0	0	0	2	22	7	0	0
	2030	102	1010.4	998.9	..	25.4	22.1	20.3	23.9	74	..	2.3	..	5.6	0	0	19	11	0	0	0	0	0	2	6	12	0
	2330	102	1011.0	999.4	..	24.2	21.6	20.2	23.6	78	..	1.7	..	2.4	0	0	10	05	2	0	1	0	0	0	2	21	0
MANGALORE	0830	22	1012.4	1009.9	-1.0	24.5	19.6	16.7	19.0	62	- 9	3.3	+1.0	4.5	0	0	31	00	2	15	13	0	0	1	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JANUARY ,1969(PAUSA 11 - MAGHA 11,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs.: At station level	Mean pressure in mbs.: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	Wind speed (Km. p. h.): 62 or more	Wind speed (Km. p. h.): 20 to 61	Wind speed (Km. p. h.): 1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL MYSORE (CONTD.)																											
MANGALORE	1730	22	1008.3	1005.8	-1.5	29.3	23.9	21.0	25.0	62	+ 1	2.1	+0.0	6.3	0	0	31	00	0	0	0	0	4	6	11	0	10
INTERIOR MYSORE,NORTH																											
BIDAR	0830	664	1014.3	940.0	-0.8	20.7	14.5	9.4	12.1	50	-12	3.6	+1.7	11.4	0	5	25	01	4	2	10	5	6	2	0	1	0
	1730	664	1009.0	936.7	-0.8	26.8	16.3	7.8	10.8	31	- 4	2.0	-0.9	7.7	0	1	23	00	4	11	5	1	1	1	1	7	0
GULBARGA	0830	458	1014.7	962.6	-1.1	19.5	13.7	8.7	11.7	51	- 3	2.7	+1.3	5.0	0	0	14	01	4	8	0	1	0	0	0	17	0
	1730	458	1008.7	958.6	-1.1	29.8	17.0	6.8	10.1	24	- 3	1.8	-0.3	7.2	0	0	28	00	1	22	0	2	0	2	1	3	0
BIJAPUR	0830	594	1014.9	947.5	-0.7	18.2	14.0	10.5	12.9	61	+ 5	3.2	+1.6	3.8	0	0	25	04	1	1	7	7	1	2	2	6	0
	1730	594	1008.2	943.6	-1.0	28.7	17.9	10.5	12.8	33	+ 2	2.3	-0.1	2.2	0	0	25	01	8	5	8	1	1	0	1	6	0
RAICHUR	0830	400	1014.4	969.2	-1.2	21.5	16.3	12.1	14.5	56	- 8	2.4	+0.8	4.3	0	0	30	00	12	1	10	3	3	1	0	1	0
	1730	400	1009.1	965.1	-1.0	28.8	17.3	7.2	10.3	27	- 5	2.9	+0.7	5.3	0	0	31	03	17	2	6	1	2	0	0	0	0
BELGAUM	0830	753	1014.6	930.4	-0.5	18.6	14.2	10.9	13.0	61	- 5	1.0	+0.1	0.8	0	0	6	00	0	6	0	0	0	0	0	25	0
	1730	753	1007.3	926.4	-1.4	28.6	16.9	7.8	10.8	28	- 2	1.0	-0.5	3.2	0	0	21	00	0	16	1	3	1	0	0	10	0
BELGAUM(SAMRA)	0530	747	1012.9	928.5	..	15.1	11.6	8.5	11.3	66	..	1.0	..	2.9	0	1	8	00	3	2	4	0	0	0	0	22	0
	0830	747	1014.0	930.5	-0.7	18.9	13.6	9.2	11.8	54	- 7	2.7	+1.0	7.0	0	2	18	00	4	7	8	0	0	0	0	11	1
	1130	747	1012.0	930.5	..	25.8	15.4	6.7	10.0	30	..	2.1	..	17.0	0	14	15	00	4	7	15	1	1	1	0	2	0
	1430	747	1008.0	927.5	..	28.2	15.6	4.5	8.6	23	..	2.7	..	13.5	0	9	21	02	6	8	10	0	0	1	2	1	1
	1730	747	1007.7	927.1	-1.0	27.8	15.5	4.7	8.7	24	-12	2.7	+0.7	8.3	0	0	29	03	6	10	5	1	2	1	1	2	0
	2030	747	1011.6	929.0	..	21.6	14.5	8.6	11.4	44	..	1.8	..	5.0	0	0	22	00	2	8	2	0	1	9	0	9	0
GADAG	0530	650	1012.6	939.2	..	17.0	14.2	12.1	14.2	74	..	1.0	..	7.0	0	0	31	00	0	16	10	1	1	3	0	0	0
	0830	650	1013.1	940.0	-2.2	18.4	15.4	13.2	15.3	72	+11	0.6	-1.7	4.8	0	0	28	03	2	13	8	1	0	1	0	3	0
	1130	650	1012.3	941.2	..	26.9	19.2	14.4	16.7	47	..	1.5	..	9.3	0	0	30	01	9	12	7	0	0	1	0	1	0
	1430	650	1008.6	938.4	..	29.5	19.6	13.4	15.8	38	..	2.2	..	7.7	0	0	28	00	14	5	6	1	0	1	0	3	1
	1730	650	1007.6	937.2	-1.3	28.4	19.3	13.3	15.7	40	+ 5	1.7	-1.1	5.6	0	0	30	02	9	17	1	0	1	0	0	1	0
	2030	650	1011.5	939.6	..	23.0	16.6	12.1	14.4	51	..	1.5	..	5.9	0	0	28	00	5	20	2	0	0	1	0	3	0
	2330	650	1012.6	940.0	..	20.4	15.5	11.9	14.1	59	..	1.4	..	7.8	0	0	30	00	0	18	10	0	1	1	0	1	0
INTERIOR MYSORE,SOUTH																											
BELLARY	0830	449	1014.8	963.6	-0.7	19.3	15.9	13.2	15.4	69	+ 4	1.3	-0.9	5.1	0	0	23	00	0	0	14	8	1	0	0	8	0
	1730	449	1008.5	959.5	-0.7	29.8	18.4	9.5	12.0	29	- 2	1.6	-1.1	5.8	0	0	29	00	0	2	17	10	0	0	0	2	0
CHITRADURGA	0830	733	1013.8	932.0	-0.8	19.0	14.7	11.4	13.7	63	- 2	1.1	-1.3	4.7	0	0	20	00	0	12	8	0	0	0	0	11	0
	1730	733	1007.6	928.4	-1.1	27.4	16.4	7.8	10.8	29	- 4	2.6	+0.2	3.8	0	0	26	00	0	17	8	0	0	0	1	5	0
SHIMOGA	0830		..	..	..	..	..	..	..	..	..	3.3	+0.9	0.6	0	0	6	00	3	2	1	0	0	0	0	25	0
	1730		..	..	..	..	..	..	..	..	..	3.8	+1.5	3.3	0	0	31	00	3	24	1	0	0	3	0	0	0
AGUMBE	0830	659	..	..	..	17.5	15.2	13.6	15.6	78	..	.	..	8.2	0	1	29	00	28	2	0	0	0	0	0	1	0
BALEHONNUR	0830		..	..	..	19.9	15.7	12.7	14.6	64	-14	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HASSAN	0830	960	1514.4	907.6	-1.2	15.8	13.6	12.0	14.2	79	+ 5	5.1	+2.7	2.7	0	0	22	00	4	2	10	3	2	0	1	9	0
	1730	960	1500.0	904.2	-1.2	25.5	16.8	10.5	13.0	40	+ 3	3.6	+1.1	2.8	0	0	25	01	1	9	6	4	3	1	0	6	0
BANGALORE	0230	921	1510.3	911.2	..	16.7	14.6	12.9	15.1	79	..	1.5	..	6.6	0	0	27	00	0	26	1	0	0	0	0	4	0
	0830	921	1525.7	912.7	-0.4	17.8	14.9	12.7	14.9	74	- 3	4.2	+0.5	6.2	0	0	29	00	2	22	5	0	0	0	0	2	0
	1130	921	1537.2	912.5	..	24.1	16.1	9.9	12.6	42	..	2.9	..	7.2	0	0	31	00	1	23	7	0	0	0	0	0	0
	1430	921	1521.2	910.3	..	26.5	16.7	9.0	11.9	35	..	2.9	..	6.5	0	0	27	00	0	20	6	0	0	0	0	4	1
	1730	921	1515.4	910.0	+0.1	25.2	16.2	9.0	11.9	37	- 3	3.5	+0.6	5.7	0	0	24	00	2	18	4	0	0	0	0	7	0
	2030	921	1521.7	911.6	..	20.9	15.1	10.6	13.3	53	..	1.5	..	5.7	0	0	28	00	0	27	1	0	0	0	0	3	0
BANGALORE AERODROME	0530	897	1494.7	912.6	..	14.8	13.8	13.0	15.3	89	..	1.4	..	4.9	0	0	26	00	7	15	4	0	0	0	0	5	0
	0830	897	1519.7	914.7	-1.1	17.6	15.0	13.1	15.2	76	- 2	3.5	-0.2	8.1	0	1	26	00	9	14	3	1	0	0	0	4	0
	1130	897	1532.5	914.5	..	24.2	16.1	9.7	12.5	42	..	3.0	..	13.6	0	4	27	00	7	17	5	0	1	0	0	0	1
	1730	897	1503.2	911.2	-1.3	25.4	16.1	9.5	12.2	38	- 7	3.0	+0.1	12.5	0	4	27	00	2	22	4	2	0	0	0	0	1
	2330	897	1511.6	913.8	..	17.7	14.9	12.8	15.1	74	..	0.7	..	10.3	0	0	31	00	3	24	4	0	0	0	0	0	0
MYSORE	0830	767	1013.9	928.3	-0.9	18.8	15.3	12.7	14.9	68	- 7	3.0	+0.0	8.6	0	0	31	07	2	4	2	6	3	4	3	0	0
	1730	767	1007.2	924.3	-1.5	27.1	16.4	7.8	10.9	31	+ 1	2.6	-0.3	10.1	0	0	31	06	5	15	3	0	1	0	1	0	0
KERALA																											
CALICUT	0530	5	1010.2	1009.6	..	22.9	21.5	20.8	24.6	87	..	0.8	..	3.9	0	0	26	00	4	18	0	0	0	4	0	5	0
	0830	5	1012.0	1011.4	-1.3	24.9	21.3	19.4	22.5	71	- 3	2.4	-0.4	3.4	0	0	31	00	1	2	0	0	16	12	0	0	0
	1130	5	1011.8	1011.2	..	29.9	23.8	20.6	24.4	58	..	2.8	..	4.8	0	0	31	00	1	0	0	0	11	19	0	0	0
	1430	5	1009.4	1008.8	..	30.7	24.4	21.4	25.5	58	..	1.6	..	5.6	0	0	30	00	0	0	0	3	12	14	1	1	0
	1730	5	1008.5	1007.9	-1.0	29.6	24.3	21.7	26.1	63	- 1	2.3	-0.2	5.5	0	0	30	00	0	0	0	1	11	18	0	1	0
	2330	5	1011.1	1010.5	..	25.4	23.2	22.0	26.5	82	..	1.3	..	3.5	0	0	26	02	6	3	0	3	1	10	1	5	0
PALGHAT	0830	97	1012.8	1001.7	-1.0	24.6	20.2	17.7	20.3	65	- 2	2.8	+0.5	8.6	0	0	31	00	0	31	0	0	0	0	0	0	0
	1730	97	1007.9	997.2	-1.0	32.1	21.4	14.5	16.8	35	- 6	2.6	+0.0	8.3	0	0	30	00	0	29	0	0	0	1	0	1	0
FORT COCHIN	0830	3	1011.8	1011.5	-1.4	27.6	23.1	20.8	24.7	67	- 1	5.0	+1.6	5.1	0	0	31	00	18	11	1	0	0	0	1	0	0
	1730	3	1007.8	1007.5	-1.4	28.8	25.2	23.5	29.1	74	+10	6.0	+2.8	10.7	0	0	31	00	0	0	0	0	3	22	6	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JANUARY ,1969(PAUSA 11 - MAGHA 11,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of mean standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NARMADA CATCHMENT(CONTD.)																											
PUNASA	0830		..	..	..	15.7	11.4	6.8	10.3	56	..	0.6	..	3.1	0	0	28	01	26	0	0	0	1	0	0	3	0
	1730		..	..	..	26.7	17.6	10.3	13.0	37	..	0.9	..	2.6	0	0	26	01	14	0	0	0	10	0	1	5	0
THIKKI	0830		..	..	..	20.3	13.8	7.1	10.8	44	..	0.8	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SABARMATI CATCHMENT																											
DARDI	0830		..	..	..	16.4	10.3	2.7	7.4	41	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	26.4	15.1	2.9	6.9	23	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
JHAROL	0830		..	..	..	10.4	7.9	2.1	7.4	63	..	0.0	..	3.4	0	0	12	08	0	0	0	0	0	4	0	19	0
GANDAK CATCHMENT																											
JANUSUM	0830		..	..	..	0.2	0.0	0.0	0.0	0	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	4.6	1.9	- 1.7	5.4	65	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KHUDI BAZAR	0830		..	..	..	10.7	8.4	6.0	9.4	73	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	15.2	11.4	8.0	10.8	63	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TIMURE	0830		..	..	..	5.2	1.4	- 5.4	4.3	50	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	9.7	5.5	0.3	6.3	53	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
POKHARA	0830		..	..	..	11.6	9.1	6.5	9.8	71	..	3.5	..	4.3	0	0	24	08	1	0	2	1	2	0	10	7	0
	1130		..	..	..	16.2	11.3	6.8	9.9	54	..	3.6	..	5.2	0	0	30	00	1	3	15	10	1	0	0	1	0
	1730		..	..	..	15.4	11.3	7.5	10.4	60	..	4.2	..	2.8	0	0	17	02	0	6	8	1	0	0	0	14	0
GURKHA	0830		..	..	..	11.5	9.1	6.6	9.7	72	..	1.9	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1130		..	..	..	14.7	11.2	7.9	10.7	64	..	2.8	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730		..	..	..	13.7	10.2	6.8	9.9	64	..	2.4	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
BIRAKOT	0830		..	..	..	12.3	9.6	6.9	10.0	70	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	15.1	11.9	8.9	11.7	68	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																											
DAILEKH	0830		..	..	..	8.8	6.2	3.0	7.7	68	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	12.1	8.2	3.8	8.1	58	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT																											
SALLYANA	0830		..	..	..	8.8	5.8	1.8	7.1	64	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	12.5	8.6	4.1	8.4	58	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BUTWAL	0830		..	..	..	15.3	12.1	9.0	11.5	67	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	18.1	14.7	11.9	14.0	68	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BAGHMATI CATCHMENT																											
KATMANDU	0830																										
	1130		[illegible]																								
	1730																										
KUSI CATCHMENT																											
CHAUTARA	0830		(R)																								
	1730		(R)																								
BALUNGCHUNG GOLA	0830		..	..	..	1.5	- 1.1	- 5.3	3.9	54	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	- 0.6	- 1.2	- 3.3	4.8	80	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLETHUK	0830		..	..	..	11.0	7.5	3.1	7.8	59	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	12.2	8.0	3.2	7.7	55	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BHOJPUR	0830		..	..	..	10.4	6.8	3.0	7.7	61	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	9.1	7.2	5.3	8.9	77	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLEJUNG	0830		..	..	..	6.2	4.7	3.0	7.7	81	..	4.3	..	1.1	0	0	13	01	1	0	0	1	5	3	2	18	0
	1130		..	..	..	11.4	7.5	3.5	7.9	59	..	4.2	..	4.3	0	0	26	04	3	1	1	1	1	5	9	5	1
	1730		..	..	..	9.1	6.1	2.7	7.5	65	..	5.1	..	5.9	0	2	21	00	1	0	3	10	6	2	0	8	1
[illegible]	0830		..	..	..	8.3	5.9	3.2	7.7	71	..	2.9	..	0.3	0	0	1	00	0	1	0	0	0	0	0	30	0
	1130		..	..	..	12.1	7.5	2.7	7.5	54	..	3.0	..	0.2	0	0	2	00	0	0	0	0	1	0	1	29	0
	1730		..	..	..	8.1	6.1	4.0	8.2	76	..	4.5	..	2.2	0	0	8	00	0	0	0	1	1	5	1	23	0
CHAITPUR	0830		..	..	..	11.0	8.7	6.5	9.7	97	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	11.3	8.8	6.3	9.6	72	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	0830		(R)																								
	1730		(R)																								
[illegible]	0830	146	1016.3	999.0	..	13.3	11.3	9.3	11.8	78	..	1.2	..	2.2	0	0	17	00	1	7	5	1	1	0	1	14	1
	1130	146	1014.1	997.2	..	19.9	14.6	10.0	12.4	54	..	1.7	..	2.0	0	0	14	00	0	0	2	0	5	7	0	17	0
	1730	146	1011.9	994.9	..	17.1	13.9	11.0	13.2	68	..	2.9	..	1.7	0	0	17	00	0	11	3	1	0	1	1	14	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JANUARY ,1969 (AUSA 11 - MAGHA 11,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or lat. in gen. of normal standard isobaric level	At station level	Departure from normal	Dry bulb	Wet bulb	Dew point				Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TISTA CATCHMENT																												
GANGTUK	0830	1812	1505.4	819.3	..	6.6	5.1	3.5	7.9	81	..	4.8	..	1.5	0	0	13	01	4	0	0	3	3	1	1	18	0
	1130	1812	1489.6	818.3	..	11.5	7.6	3.6	7.9	60	..	5.2	..	4.3	0	0	24	00	0	0	0	5	17	0	2	7	0
	1730	1812	1477.3	816.7	..	8.3	6.1	3.8	8.1	74	..	6.1	..	2.7	0	0	17	01	1	1	10	4	0	0	0	14	0
GEZING	0830		..	..	..	9.0	7.0	4.6	8.5	75	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	10.8	7.9	4.7	8.6	67	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

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भारत सरकार

GOVERNMENT OF INDIA

मौसम विज्ञान विभाग

METEOROLOGICAL DEPARTMENT

भारतीय मौसम पुनरीक्षण

INDIA WEATHER REVIEW

1969

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MONTHLY WEATHER REPORT

फरवरी

FEBRUARY

भारत सरकार के प्राधिकार द्वारा वेधशालाओं के महानिदेशक के निदेशाधीन प्रकाशित
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INDIA WEATHER REVIEW, 1969

Monthly Weather Report

FEBRUARY

MONTHLY WEATHER REPORT

FOR
FEBRUARY 1969

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MEANINGS OF SYMBOLS AND ABBREVIATIONS IN TABLES II AND III

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

INDIA WEATHER REVIEW, 1969

Monthly Weather Report

FEBRUARY

Published by the Authority of Government of India

Chief features :

1. Passage of 4 western disturbances across northwest India causing fairly widespread moderate precipitation over the Western Himalayas and light rain or thundershowers in the plains of north India.

2. Fairly widespread moderate to heavy rain over the Bay Islands and isolated rain over Tamil Nadu in the second week caused by the activation of the seasonal trough in the south Bay of Bengal,

A well marked western disturbance which moved into west Rajasthan on 31st January lay over Punjab on 1st February and moved away northeastwards across Western Himalayas by the 2nd morning. Under its influence, fairly widespread moderate precipitation fell over Western Himalayas on 1st and 2nd and light scattered rain and thundershowers occurred in Punjab and west Uttar Pradesh. Quazigund recorded 7 cm of rain, Banihal 5 cm, Srinagar (IAF) 4 cm, Dalhousie 3 cm and Jammu 2 cm on 1st and Quazigund and Srinagar 2 cm each on 2nd. According to press reports, vehicular traffic on the Jammu - Srinagar highway was suspended on 1st morning due to landslides caused by rain and snow.

The second western disturbance which was lying over Afghanistan and adjoining West Pakistan on the 10th moved into West Pakistan and adjoining Rajasthan on 12th. It intensified into a western depression on the morning of 13th over the northern divisions of West Pakistan and adjoining Rajasthan and Punjab. Weakening and lying over Punjab and Haryana on 14th, it filled up on 15th. Under the influence of this western depression, there was widespread rain and snow over the Western Himalayas and light rain and thundershowers over Uttar Pradesh, Haryana, Punjab and parts of Rajasthan. Garbyang recorded 4 cm of rain and Uttar Kashi, Nainital, Dharchula, Nillam, Mandi, Amritsar and Jammu City 3 cm each on 14th.

An induced cyclonic circulation extending to about 1.0 km a.s.l. also lay over Vidarbha and adjoining Madhya Pradesh with a trough extending northeastwards on 14th and 15th which caused scattered rain over east Madhya Pradesh, Bihar Plains and Sub-Himalayan West Bengal on these 2 days. Darbhanga, Muzaffarpur and Supaul recorded 2 cm of rain each on 14th.

The third western disturbance which moved into West Pakistan on 16th moved away northeastwards across Jammu and Kashmir by 19th. An upper aircyclonic circulation extending to about 2.0 kms a.s.l. developed over north Rajasthan and adjoining Haryana and Punjab on the evening of 15th and moved away northeastwards across Himachal Pradesh on 18th. Under the influence of these two systems, there was fairly widespread rain and snow over the Western Himalayas from 16th to 18th and thundershowers in Punjab and Haryana on 16th. There was also light rain at a few places in Uttar Pradesh, east Rajasthan and east Madhya Pradesh during this period. According to press reports, heavy rain and hail storms lashed many parts of Ferozepore district on 15th, killing thousands of birds and uprooting many trees. The chief amounts of rainfall were : Karnal, Bilaspur, Dharmsala 2 cm each on 16th, Quazigund and Bilaspur 6 cm each, Banihal and Bhuntar 4 cm each and Srinagar 3 cm on 17th and Dalhousie 3 cm and Mandi 2 cm on 18th.

The fourth western disturbance which was lying over West Pakistan and adjoining Afghanistan on 22nd moved across Jammu and Kashmir by 25th evening. It induced a low pressure area over west Rajasthan on 23rd which persisted in that area upto the end of the month as an upper air cyclonic circulation or trough extending to about 2.0 km a.s.l. Another upper air cyclonic circulation extending from 1.5 to 3.0 kms a.s.l. also developed on 27th over Punjab and Himachal Pradesh and became less marked by the next day. Under the influence of these systems, there was isolated light rain and snow on 22nd and 24th and fairly widespread light precipitation from 25th to 27th over Jammu and Kashmir. Isolated light rain or thundershowers occurred over west Rajasthan, Punjab and Himachal Pradesh on one or two days during this period. Banihal recorded 3 cm of rain on 25th. A number of stations in Western Himalayas reported 1 cm of rain on 27th.

The seasonal trough in the south Bay of Bengal was active in the second week. It caused fairly widespread rain over the Bay Islands and isolated rainfall in Tamil Nadu during this period. The noteworthy amounts of rainfall were : Hut Bay 6 cm, Kondul 3 cm and Nancowry, Port Blair and Palayankottai

2 cm each on 7th, Hut Bay 4 cm, Car Nicobar AP 3 cm and Tuticorin 2 cm on 8th, Coonoor 5 cm and Cuddalore and Tuticorin 2 cm each on 9th, Pamban 4 cm on 10th and Kondul and Nancowry 4 cm each on 13th.

With the seasonal wind discontinuity in the lower troposphere running from the Peninsula to northeast India and incursion of moisture taking place from the Bay of Bengal, northeast India, (particularly Assam) experienced isolated rain or thundershowers on many days in the first, third and last week. The significant amounts of rainfall were : Khonsa 3 cm on 4th, Asansol 2 cm on 5th, Khonsa 2 cm on 6th and Pasighat 2 cm on 7th.

Night temperatures were below normal over (1) most parts of northwest India including Gujarat from 3rd to 11th and 20th to 22nd, being appreciably so from 5th to 7th. (2) Madhya Pradesh and Uttar Pradesh from 6th to 12th and from 20th to 23rd. (3) Northeast India from 8th to 12th and 21st to 24th, being appreciably so on most of these days and (4) Peninsula (south and central) on most of the days in the first fortnight. They were above normal over (1) northwest India on 1st, 13th, 16th and from 24th to 28th. (2) Madhya Pradesh and Uttar Pradesh from 14th to 18th and on 27th and 28th. (3) northeast India on 4th and 5th, being appreciably so in Gangetic West Bengal and north Orissa and from 17th to 19th and from 26th to 28th and (4) Peninsula (central and north) from 18th to 26th .

The rainfall was in large excess in Himachal Pradesh; moderate excess in Tamil Nadu; normal in Punjab and Jammu and Kashmir, slight defect in East Rajasthan, in moderate defect in Bay Islands, Bihar Plain, Haryana, Gujarat and Arabian Sea Islands and in large defect over the rest of the country . There was no rain in Konkan, Madhya Maharashtra, Marathwada, Vidarbha, Coastal Andhra Pradesh, Telangana, Rayalaseema and InteriorMysore.

The mean maximum temperature was above normal in Gangetic West Bengal, Orissa, Bihar Plateau, Uttar Pradesh, Madhya Pradesh, Madhya Maharashtra, Marathwada, Vidarbha, Coastal Andhra Pradesh, Telangana, Rayalaseema and North Interior Mysore and normal over the rest of the country.

The mean minimum temperature was above normal in Himachal Pradesh, East Madhya Pradesh, Vidarbha, below normal in Bay Islands, Bihar Plains and West Rajasthan. It was normal over the rest of the country.

The mean Relative Humidity in the morning was above normal in Jammu and Kashmir, below normal in South Assam, Sub-Himalayan West Bengal, Bihar Plateau, East Uttar Pradesh, East Rajasthan, East Madhya Pradesh, Marathwada and Vidarbha and normal over the rest of the country.

The mean Relative Humidity in the evening was below normal in Assam, East Uttar Pradesh and Marathwada and normal over the rest of the country.

The mean cloud amount in the morning was above normal in West Madhya Pradesh, Gujarat, Saurashtra Kutch, Madhya Maharashtra, Marathwada, Vidarbha and Interior Mysore, below normal in Assam, Sub-Himalayan West Bengal, West Uttar Pradesh, Himachal Pradesh and Coastal Andhra Pradesh and normal over the rest of the country.

The mean cloud amount in the evening was above normal in East Madhya Pradesh, Gujarat, Saurashtra Kutch, Madhya Maharashtra, Marathwada and Vidarbha, below normal in Assam, Sub-Himalayan West Bengal , Coastal Andhra Pradesh and Arabian Sea Island and below normal over the rest of the country.

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

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

Poona-5;
1st April 1969

Y.P.RAO
for Director General of Observatorie

TABLE I - DIVISIONAL AND SUB-DIVISIONAL MEANS - -FEBRUARY ,1969(MAGHA 12 - PHALGUNA 9,1890 SAKA)

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1.ASSAM(INCLUDING.	3.9	11	26.0	12.0	70	54	1.8	1.8
NEFA,N.L.ETC) .	- 30.5		+0.6	-0.4	- 5	- 8	-1.1	-1.2
2.WEST BENGAL .	4.9	23	29.1	14.8	62	49	1.4	1.6
.	- 16.0		+1.0	+0.2	- 5	0	-0.4	-0.2
3.ORISSA .	0.6	2	32.3	17.3	63	47	1.9	2.1
.	- 26.3		+2.1	+0.3	- 2	0	+0.1	+0.2
4.BIHAR .	8.3	38	28.5	12.2	59	45	1.5	1.8
.	- 13.5		+1.2	-0.6	- 6	+ 1	-0.1	+0.1
5.UTTAR PRADESH .	6.6	32	26.6	9.9	63	38	1.6	1.8
.	- 13.9		+1.2	-0.4	- 6	- 4	-0.1	0.0
6.HARYANA(INCLU.	17.5	65	23.6	9.2	68	39	2.1	2.1
DELHI CHANDIGARH).	- 9.5		-0.4	+0.2	0	+ 1	0.0	+0.1
7.PUNJAB .	26.7	110	22.7	8.0	76	46	2.7	2.7
.	+ 2.4		-0.6	+0.1	0	+ 2	+0.2	+0.1
8.HIMACHAL .	88.8	379	21.9	7.0	88	45	3.0	3.6
PRADESH .	+ 65.4		+0.3	+1.6	- 1	- 1	-1.5	+0.3
9.JAMMU AND .	69.7	101	14.6	5.1	84	71	5.3	5.4
KASHMIR .	+ 0.7		+0.1	+0.2	+ 8	+ 2	+0.5	-0.2
SUB-DIVISION								
1.BAY ISLANDS .	38.3	72	30.4	21.1	76	74	3.5	3.9
.	- 15.1		+0.5	-2.0	0	- 4	-0.3	-0.2
2.NORTH ASSAM .	5.0	15	26.2	12.0	72	59	2.0	2.0
(INCLUDING NEFA) .	- 28.3		+1.0	-0.4	- 4	- 6	-1.2	-1.3
3.SOUTH ASSAM .	1.1	3	25.4	11.9	63	44	1.6	1.6
(INCL.N.LAND ETC).	- 35.8		-0.6	-0.4	- 8	-11	-0.7	-0.6
4.SUB-HIMALAYAN .	2.9	19	26.8	11.5	66	50	1.1	1.6
WEST BENGAL .	- 12.3		+0.4	-0.7	- 6	- 2	-0.6	-0.4
5.GANGETIC WEST- .	5.5	24	30.0	16.0	60	48	1.5	1.6
BENGAL .	- 17.4		+1.3	+0.5	- 5	0	-0.3	-0.2
6.ORISSA .	0.6	2	32.3	17.3	63	47	1.9	2.1
.	- 26.3		+2.1	+0.3	- 2	0	+0.1	+0.2
7.BIHAR PLATEAU .	5.7	19	30.2	13.7	53	35	1.7	1.9
.	- 25.1		+2.4	+0.2	- 8	- 4	0.0	0.0
8.BIHAR PLAINS .	9.9	61	27.1	10.9	64	52	1.4	1.7
.	- 6.3		+0.2	-1.2	- 4	+ 4	-0.2	+0.1
9.UTTAR PRADESH .	3.3	23	27.7	10.7	62	37	1.7	1.9
(EAST) .	- 11.0		+1.3	-0.4	- 7	- 7	+0.2	+0.3
10.UTTAR PRADESH .	11.5	38	25.0	8.6	66	41	1.5	1.8
(WEST) .	- 18.4		+1.3	-0.6	- 2	0	-0.4	-0.4
11.HARYANA(INCLU. .	17.5	65	23.6	9.2	68	39	2.1	2.1
DELHI CHANDIGARH).	- 9.5		-0.4	+0.2	0	+ 1	0.0	+0.1
12.PUNJAB .	26.7	110	22.7	8.0	76	46	2.7	2.7
.	+ 2.4		-0.6	+0.1	0	+ 2	+0.2	+0.1
13.HIMACHAL .	88.8	379	21.9	7.0	88	45	3.0	3.6
PRADESH .	+ 65.4		+0.3	+1.6	- 1	- 1	-1.5	+0.3
14.JAMMU AND KASH- .	69.7	101	14.6	5.1	84	71	5.3	5.4
-MIR .	+ 0.7		+0.1	+0.2	+ 8	+ 2	+0.5	-0.2
15.RAJASTHAN(WEST).	1.8	42	27.6	9.0	51	27	1.7	1.8
.	- 2.5		+0.8	-1.1	- 5	- 5	+0.1	0.0
16.RAJASTHAN(EAST).	3.3	87	27.3	10.1	52	26	1.5	1.7
.	- 0.5		+0.7	+0.2	- 6	- 5	+0.1	-0.1
17.MADHYA PRADESH .	0.4	5	30.4	12.2	47	26	1.8	2.0
(WEST) .	- 7.0		+1.5	+0.2	- 4	+ 1	+0.3	+0.1

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
10.RAJASTHAN .	2.6	65	27.5	9.6	52	26	1.6	1.7
.	- 1.4		+0.8	-0.4	- 5	- 5	+0.1	-0.1
11.MADHYA PRADESH .	1.6	12	30.8	13.1	48	27	1.8	2.2
.	- 12.2		+1.8	+0.8	- 8	- 1	+0.3	+0.4
12.GUJARAT STATE .	0.6	32	29.9	14.2	59	34	1.6	1.5
(INCLU.DIU ETC).	- 1.3		-0.4	-0.2	+ 2	+ 1	+0.4	+0.5
13.MAHARASHTRA .	0.0	0	33.0	17.5	52	34	1.6	1.8
STATE(INCL.GOA).	- 4.7		+1.2	+0.7	- 2	- 1	+0.4	+0.4
14.ANDHRA PRADESH .	0.0	0	33.8	19.4	69	43	2.0	1.6
.	- 8.2		+1.7	+0.1	+ 1	0	-0.3	-0.5
28.TAMILNADU .	19.3	143	31.8	20.7	76	54	3.4	2.8
(INCL.PONDICH.).	+ 5.8		+0.6	-0.5	- 1	- 1	0.0	-0.4
16.MYSORE .	0.0	0	32.7	18.7	63	37	2.4	2.3
.	- 4.6		+1.0	+0.3	+ 1	+ 1	+0.4	0.0
17.KERALA .	7.9	33	33.1	23.2	74	59	3.4	3.7
.	- 15.8		+0.5	+0.2	0	+ 1	+0.3	+0.2
SUB-DIVISION								
18.MADHYA PRADESH .	3.3	15	31.3	14.3	50	29	1.7	2.5
(EAST) .	- 19.1		+2.2	+1.5	-12	- 4	+0.2	+0.8
19.GUJARAT REGION .	0.8	57	31.2	14.0	53	28	1.4	1.4
(INCL.DAMAN ETC).	- 0.6		-0.4	-0.2	0	+ 2	+0.3	+0.4
20.SAURASHTRAKUTCH.	0.4	18	28.9	14.3	63	39	1.7	1.6
(INCLUDING DIU) .	- 1.8		-0.6	-0.3	+ 3	+ 1	+0.5	+0.6
21.KONKAN .	0.0	0	29.9	19.9	72	65	1.6	1.3
(INCLUDING GOA).	- 0.5		0.0	+0.1	+ 3	+ 3	+0.1	0.0
22.MADHYA- .	0.0	0	34.3	15.5	45	22	1.5	1.8
-MAHARASHTRA .	- 1.7		+1.3	+0.7	- 1	0	+0.6	+0.4
23.MARATHWADA .	0.0	0	33.8	15.1	33	15	1.8	2.5
.	- 4.3		+1.4	+0.2	- 8	- 9	+0.8	+1.0
24.VIDARBHA .	0.0	0	34.2	17.9	46	25	1.7	2.1
.	- 12.1		+2.1	+1.5	- 6	- 1	+0.3	+0.5
25.COASTAL ANDHRA .	0.0	0	32.7	19.9	77	58	1.9	1.3
-PRADESH .	- 9.8		+1.6	-0.3	+ 1	0	-0.6	-0.8
26.TELANGANA .	0.0	0	34.8	19.0	65	31	2.1	1.7
.	- 7.8		+1.9	+0.6	+ 2	+ 1	0.0	-0.3
27.RAYALASEEMA .	0.0	0	34.4	19.1	59	30	1.9	2.1
.	- 5.5		+1.4	+0.2	+ 1	- 2	-0.1	-0.2
15.TAMILNADU .	19.3	143	31.8	20.7	76	54	3.4	2.8
(INCL.PONDICH.).	+ 5.8		+0.6	-0.5	- 1	- 1	0.0	-0.4
29.COASTAL MYSORE .	0.0	0	31.6	22.2	75	64	2.3	1.9
.	- 0.9		+0.1	+0.5	- 1	0	0.0	-0.2
30.INTERIOR MYSORE.	0.0	0	34.3	18.6	53	28	2.0	2.2
(NORTH) .	- 4.5		+1.8	+0.7	+ 2	0	+0.5	+0.1
31.INTERIOR MYSORE.	0.0	0	31.7	17.2	67	31	2.9	2.5
(SOUTH) .	- 6.5		+0.8	-0.2	+ 2	+ 4	+0.5	-0.2
32.KERALA .	7.9	33	33.1	23.2	74	59	3.4	3.7
.	- 15.8		+0.5	+0.2	0	+ 1	+0.3	+0.2
33.ARABIAN SEA- .	8.3	68	31.2	24.0	76	68	3.2	2.9
ISLANDS .	- 3.9		+0.3	-0.2	+ 1	- 4	-0.2	-1.1

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

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – FEBRUARY 1969 (MAGHA 12 - PHALGUNA 9, 1890 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
BAY ISLANDS																												
MAYA BANDAR	30.0	+1.8	32.5	20	20.9	-1.0	18.2	12	17.8	17.8	+ 6.2	14.0	07	2	+ 1.0	8.6	7.4	+1.3	0	2	0	0	0	0	0	0	0	0
LONG ISLAND	29.6	-0.9	31.6	21	20.3	-1.4	17.5	01	10.6	10.6	- 26.1	10.6	06	1	0.0	6.0	2.8	+1.2	0	1	0	0	0	0	0	0	0	0
PORT BLAIR	30.8	+1.0	32.6	20	20.7	-1.1	17.5	12	0.2	18.8	- 15.7	16.6	07	1	- 0.7	7.8	5.8	-3.7	1	2	0	0	0	12	0	0	0	0
CAR NICOBAR	30.5	+0.2	32.2	27	21.0	-2.4	9.0	16	14.0	25.3	- 31.9	14.0	08	3	+ 0.5	8.4	5.0	-1.1	0	4	0	0	2	0	0	0	0	0
NAN COWRY	32.2	+0.2	34.1	28	20.7	-3.5	19.0	13	7.4	65.2	- 7.4	37.0	13	3	- 0.9	2.3	1.0	+0.4	1	4	0	0	2	0	0	0	0	0
KONDUL	29.1	+0.4	29.9	14	23.0	-2.3	20.1	23	62.0	92.2	- 15.7	43.8	13	6	+ 1.5	5.6	4.3	-4.6	0	7	0	0	1	0	0	0	0	0
HUT BAY/LITTLE ANDAMAN	29.8	..	31.7	19	20.8	..	17.8	01	40.4	123.2	..	61.8	07	4	..	13.9	7.7	..	0	4	0	0	1	0	0	0	0	0
NORTH ASSAM (INCLUDING NEFA)																												
PASIGHAT	22.7	+0.6	28.1	28	14.8	+1.0	10.8	10	12.2	39.2	- 53.0	17.4	07	5	- 1.1	12.6	16.2	+3.3	1	7	0	0	3	0	0	0	0	0
DIBRUGARH (MOHANBARI)	24.2	+0.5	31.7	23	12.1	-0.2	7.9	10	0.5	4.6	- 58.6	2.6	25	1	- 5.0	6.5	3.3	+0.1	1	3	0	0	1	2	0	0	0	0
DIGBOI	23.8	+0.5	27.4	17	12.8	+0.4	8.2	08	1.5	8.1	- 46.1	2.6	28	1	- 5.3	4.0	2.6	..	0	8	0	0	0	0	0	0	0	0
NORTH LAKHIMPUR	24.6	+1.2	28.2	28	11.1	-0.6	6.2	11	0.0	3.4	- 50.8	3.0	23	1	- 5.2	5.8	2.8	..	0	2	0	0	0	1	0	0	0	0
SIBSAGAR	..	..	..	..	13.6	+0.8	10.3	22	..	0.0	- 49.8	0.0	..	0	- 5.1	..	..	..	0	0	0	0	0	0	0	0	0	0
GOHPUR	25.2	+1.3	29.4	28	11.2	-0.3	7.2	09	0.0	7.8	- 29.7	5.8	02	1	- 1.7	3.5	2.7	..	0	3	0	0	0	0	0	0	0	0
MAJBAT	26.8	..	31.1	28	12.6	..	9.0	10	0.0	0.0	- 18.9	0.0	..	0	- 2.5	5.2	3.5	-0.4	0	0	0	0	0	0	0	0	0	0
JORHAT AERODROME	26.1	..	29.7	28	12.1	..	8.2	10	0.0	2.5	..	2.5	04	1	..	..	..	..	0	1	0	0	0	8	0	0	0	0
TANGLA	27.4	+1.5	32.1	28	11.6	-0.8	7.9	08	0.0	20.2	- 0.9	20.2	12	1	- 0.9	3.2	2.6	+0.6	0	1	0	0	0	0	0	0	0	0
TEZPUR	27.2	+1.8	31.2	28	13.6	-0.1	10.3	10	0.0	0.0	- 25.9	0.0	..	0	- 2.6	5.2	4.0	+0.8	0	0	0	0	0	1	3	0	0	0
GOLAGHAT	26.5	+1.5	29.1	20	11.0	-2.2	7.4	10	0.0	1.6	- 22.0	0.8	06	0	- 3.1	1.5	1.9	..	0	2	0	0	0	2	0	0	0	0
RANGIA	26.9	+1.0	31.5	28	12.7	+0.1	8.4	09	0.0	0.0	- 27.0	0.0	..	0	- 2.8	..	..	..	0	0	0	0	0	0	0	0	0	0
CHAPARMUKH	27.8	+0.8	32.5	28	13.1	+0.6	10.1	02	0.0	0.0	- 11.7	0.0	..	0	- 1.2	4.4	3.4	..	0	0	0	0	0	0	0	0	0	0
GOALPARA	28.0	+0.7	31.6	03	13.0	+0.9	7.5	09	0.0	0.0	- 14.2	0.0	..	0	- 1.6	5.1	2.8	+0.3	0	0	0	0	0	0	0	0	0	0
GAUHATI (BHORJOR)	26.9	+0.2	31.0	28	10.4	-1.2	5.8	08	0.0	0.0	- 8.0	0.0	..	0	- 0.9	6.4	4.0	..	0	0	0	0	0	0	0	0	0	0
DHUBRI (RUPSI)	27.2	+0.9	32.2	28	9.0	-2.6	4.1	07	0.0	0.0	- 10.5	0.0	..	0	- 1.0	7.4	5.1	+1.2	0	0	0	0	0	1	0	0	0	0
DHUBRI	26.6	+1.3	31.4	28	12.7	-1.5	8.6	08	0.0	0.0	- 21.3	0.0	..	0	- 1.7	6.6	4.7	-0.4	0	0	0	0	0	0	0	0	0	0
LUMDING	28.7	+2.5	33.6	28	9.4	-1.2	4.9	09	0.0	0.0	- 33.5	0.0	..	0	- 2.8	4.4	2.8	..	0	0	0	0	0	0	0	0	0	0
BOMDILLA	4.1	..	5.5	25	1.3	..	- 1.7	02	0.0	0.0	..	0.0	..	0	..	9.9	12.5	..	0	0	0	0	0	23	0	0	0	0
TAWANG	12.7	..	15.3	08	7.1	..	1.7	26	6.2	29.9	..	9.1	28	4	..	..	..	..	0	5	0	0	0	0	0	0	0	0
TEZU	24.2	..	27.6	16	9.0	..	1.2	01	4.2	21.4	..	8.4	18	1	..	2.1	1.4	..	0	10	0	0	0	0	0	0	0	0
ALONG	20.8	..	25.3	24	11.5	..	3.2	13	16.4	61.2	..	23.3	07	7	..	..	..	..	1	10	0	0	0	6	0	0	0	0
ZERO	15.7	..	18.6	11	3.1	..	0.1	11	13.6	33.4	..	6.5	18	5	..	..	..	..	0	9	0	0	0	15	0	0	0	0
KHONSA	20.5	..	24.0	28	13.6	..	9.8	04	4.0	51.0	..	26.8	03	3	..	..	..	..	0	5	0	0	0	0	0	0	0	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																												
TURA	23.3	-3.1	31.3	27	14.7	-0.2	11.1	08	0.0	0.0	- 13.7	0.0	..	0	- 1.0	7.3	6.4	-0.4	0	0	0	0	0	0	0	0	0	0
HAFLONG	20.8	-1.8	25.4	28	14.5	+2.2	10.3	11	0.0	0.0	- 43.5	0.0	..	0	- 3.3	..	..	..	0	0	0	0	0	0	0	0	0	0
SILCHAR (KUMBHIRGRAM)	27.6	+0.7	32.3	28	13.3	-0.2	9.6	09	0.0	4.2	- 57.0	4.2	03	1	- 2.4	7.6	8.9	+0.6	0	1	0	0	0	0	0	0	0	0
SILCHAR	24.8	-2.3	30.4	27	13.1	-0.5	9.1	09	0.0	3.2	- 45.6	3.2	03	1	- 2.5	..	..	..	0	1	0	0	0	0	0	0	0	0
IMPHAL (TULIHAL)	24.1	+1.3	28.7	28	4.0	-2.5	- 1.6	10	0.0	0.1	- 31.0	0.1	06	0	- 2.7	14.2	7.4	+0.7	1	0	0	0	0	0	0	0	0	0
KAILASHAHAR	28.2	0.0	33.5	28	11.5	-0.5	8.1	11	0.0	0.0	- 31.5	0.0	..	0	- 2.3	6.6	3.9	+1.2	0	0	0	0	0	0	0	0	0	0
AGARTALA	29.3	+1.0	35.1	28	12.5	-0.7	7.0	09	0.0	0.1	- 28.5	0.1	05	0	- 1.7	9.4	5.4	+0.4	1	0	0	0	0	2	0	0	1	0
TUENSANG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
MOKOKCHUNG	18.9	..	22.8	28	15.1	..	7.6	04	0.0	0.0	..	0.0	..	0	..	3.9	5.9	..	0	0	0	0	0	0	0	0	0	0
SUB-HIMALAYAN WEST BENGAL																												
BAGHDOGRA	26.9	+0.3	31.5	28	9.5	-1.4	5.0	07	0.0	4.2	+ 1.9	4.2	14	1	+ 0.8	9.7	6.9	+2.1	0	1	0	0	0	0	2	0	0	0
JALPAIGURI	25.5	+0.3	30.5	28	12.6	-0.1	8.9	07	1.8	5.2	- 11.8	3.4	14	1	- 0.5	5.8	4.7	+0.6	0	2	0	0	0	1	0	0	0	0
COOCH BEHAR AERODROME	26.3	-0.5	30.6	27	10.5	-1.8	6.6	07	0.0	0.0	- 19.8	0.0	..	0	- 1.6	6.3	3.1	-0.1	0	0	0	0	0	2	0	0	0	0
BALURGHAT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
MALDA	28.3	+1.5	34.8	28	13.4	+0.6	8.4	08	2.2	2.2	- 19.4	2.2	15	0	- 1.7	4.4	2.3	-2.6	0	1	0	0	1	2	0	0	0	0
GANGETIC WEST BENGAL																												
BERHAMPORE	29.8	+1.4	35.4	27	13.6	-0.1	9.4	09	0.0	0.0	- 20.6	0.0	..	0	- 1.7	4.2	1.8	-0.1	0	0	0	0	0	22	0	0	0	0
SURI	28.8	+1.0	34.5	27	14.4	-0.1	9.7	10	..	5.0	- 3.8	5.0	05	1	- 0.5	.	5.1	-1.8	0	1	0	0	0	0	0	0	0	0
ASANSOL	30.5	+2.2	35.9	28	12.7	-2.0	7.5	09	0.4	17.6	- 11.4	17.6	05	1	- 1.4	8.2	4.4	-1.8	0	1	0	0	3	0	0	0	0	0
SHANTI NIKETAN	29.6	..	35.0	28	14.3	..	9.9	10	0.0	6.4	..	6.4	05	1	..	6.8	5.1	..	0	1	0	0	1	1	0	0	0	0
KRISHNANAGAR	30.9	+1.3	36.3	28	13.0	-0.7	7.2	10	5.0	6.3	- 21.1	5.0	06	1	- 0.8	7.4	5.8	+2.8	0	2	0	0	0	0	0	0	0	0
PURULIA	29.9	+0.9	34.9	26	15.6	+0.2	10.7	09	2.0	15.6	+ 2.5	13.0	05	2	+ 0.5	6.6	4.2	+0.4	0	2	0	0	4	0	1	0	0	0
BANKURA	31.3	..	36.0	26	16.0	..	11.1	09	12.8	16.8	- 11.9	8.4	05	2	- 0.1	2.1	2.0	..	0	2	0	0	0	0	0	0	0	0
BURDWAN	30.5	+1.9	34.9	28	16.3	+1.4	10.4	11	0.0	5.0	- 27.5	5.0	05	1	- 1.0	6.1	4.2	+0.9	0	1	0	0	0	0	0	0	0	0
CALCUTTA (DUM DUM)	30.1	+1.1	35.4	28	16.3	+1.2	10.0	10	0.0	0.0	- 16.1	0.0	..	0	- 1.5	8.0	4.7	-0.4	0	0	0	0	2	11	0	0	1	0
CALCUTTA	30.8	+1.3	36.0	28	18.4	+1.9	12.2	10	0.0	0.0	- 27.9	0.0	..	0	- 1.8	6.7	4.4	+0.7	0	0	0	0	1	10	0	0	2	0

TABLE II – SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – –FEBRUARY ,1969(MAGHA 12 – PHALGUNA 9,1890 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena – No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Cold	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
GANGETIC WEST BENGAL(CONTD.)																												
MIDNAPORE	30.9	+1.3	37.1	28	16.9	+1.0	12.0	12	0.0	0.0	- 33.5	0.0	..	0	- 2.2	5.8	4.0	+0.2	0	0	0	0	0	0	0	0	0	0
CONTAI	30.3	+0.9	35.0	19	18.6	+1.0	14.1	10	0.0	0.0	- 11.0	0.0	..	0	- 0.7	8.4	5.5	-1.0	0	0	0	0	0	0	0	0	0	0
SAGAR ISLAND	27.3	+0.5	29.7	19	20.4	+1.6	15.0	10	0.0	0.0	- 25.7	0.0	..	[illegible]	1.5	15.9	12.9	-0.6	0	0	0	0	0	19	0	0	0	0
SANDHEADS	27.6	..	30.6	28	23.3	..	17.8	07	0.0	0.0	- 12.9	0.0	..	[illegible]	0.9	..	..	..	0	0	0	0	0	0	0	0	0	0
NARENDRAPUR	31.1	..	38.6	19	20.4	..	9.3	10	0.0	0.0	..	0.0	..	0	..	6.0	3.9	..	0	0	0	0	1	6	0	0	0	0
BAGATI	30.3	..	34.9	28	16.6	..	10.4	21	0.0	2.0	..	1.0	05	0	..	6.6	4.0	..	0	2	0	0	0	3	0	0	0	0
ORISSA																												
BARIPADA	32.8	+2.0	37.9	28	16.3	+1.0	11.3	11	0.4	1.2	- 38.7	1.2	06	0	- 2.0	3.6	1.9	-0.3	0	1	0	0	3	0	0	0	0	0
JHARSUGUDA	33.3	+2.7	36.2	26	15.2	+0.8	10.2	10	0.0	0.0	- 23.4	0.0	..	0	- 1.5	8.4	6.3	-0.1	0	0	0	0	0	0	0	0	0	0
KEONJHARGARH	31.1	+3.1	35.0	28	14.0	-0.7	8.7	10	0.0	0.0	- 50.0	0.0	..	0	- 2.0	5.3	4.6	-0.3	0	0	0	0	0	0	0	0	0	0
BALASORE	31.2	+1.7	36.1	27	17.2	+0.4	13.4	11	0.0	6.8	- 31.8	6.8	06	1	- 1.3	9.2	5.9	+0.4	0	1	0	0	0	4	0	0	0	0
SAMBALPUR	33.5	+3.0	36.1	27	16.8	+1.9	13.4	12	0.0	0.0	- 26.9	0.0	..	0	- 2.3	2.5	1.8	-1.9	0	0	0	0	0	0	0	0	0	0
ANGUL	32.9	+2.4	38.0	28	16.4	+0.1	10.8	01	0.0	0.0	- 29.5	0.0	..	0	- 2.0	..	..	..	0	0	0	0	0	0	0	0	0	0
CHANDBALI	31.6	+1.7	36.4	19	18.1	+0.6	14.5	01	0.0	0.0	- 23.4	0.0	..	0	- 1.4	9.9	7.5	+0.2	0	0	0	0	0	0	0	0	0	0
BOLANGIR	34.1	+2.8	38.7	28	17.2	-0.7	11.9	01	0.0	0.0	- 28.3	0.0	..	0	- 1.7	3.2	4.0	-1.6	0	0	0	0	0	0	0	0	0	0
PHULBANI	32.4	..	37.0	28	11.6	..	6.0	01	0.0	0.0	..	0.0	..	0	..	4.6	1.9	..	0	0	0	0	0	0	0	0	0	0
CUTTACK	34.6	+3.1	39.1	28	20.8	+2.6	17.0	01	0.0	0.0	- 27.7	0.0	..	0	- 1.7	4.6	8.9	+0.1	0	0	0	0	0	0	0	0	0	0
TITLAGARH	34.4	+2.1	35.6	14	18.1	+1.6	11.8	01	0.0	0.0	- 10.8	0.0	..	0	- 0.9	2.6	2.6	+0.2	0	0	0	0	2	0	0	0	0	0
BHUBANESWAR	33.2	+1.2	37.4	28	19.2	+0.7	15.1	11	0.0	0.0	- 24.7	0.0	..	0	- 1.3	11.9	9.6	-1.4	0	0	0	0	0	7	0	0	0	0
PURI	29.8	+1.5	33.8	24	17.1	-3.7	13.1	02	0.0	0.0	- 22.6	0.0	..	0	- 1.2	..	..	..	0	0	0	0	0	0	0	0	0	0
GOPALPUR	29.7	+0.8	34.8	20	19.0	-0.4	15.8	17	0.0	0.0	- 28.2	0.0	..	0	- 1.2	..	..	..	0	0	0	0	0	3	0	0	0	0
KORAPUT	30.1	+1.9	35.4	27	..	..	..	..	0.0	0.0	- 2.1	0.0	..	0	- 0.3	..	..	..	0	0	0	0	0	0	0	0	0	0
PARADIP PORT	31.1	..	33.4	28	16.7	..	14.5	06	0.0	0.0	..	0.0	..	0	..	25.8	19.4	..	0	0	0	0	0	4	0	0	0	0
ROURKELA	32.6	..	36.0	28	14.9	..	9.5	10	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
BHOWANI PATNA	34.6	..	39.5	28	24.4	..	21.6	02	0.0	0.0	..	0.0	..	0	..	6.5	6.6	..	0	0	0	0	0	0	0	0	0	0
BIHAR PLATEAU																												
DUMKA	29.7	+1.7	36.0	27	13.0	-0.2	8.4	10	0.0	5.5	- 19.4	5.5	05	1	- 1.0	3.8	3.6	+0.1	0	1	0	0	0	0	0	0	0	0
DALTONGANJ	30.4	+3.4	34.9	28	11.7	0.0	5.4	09	0.0	5.8	- 28.0	4.4	15	1	- 1.6	..	..	..	0	2	0	0	0	0	0	0	0	0
HAZARIBAGH	..	..	..	..	..	..	..	..	3.0	7.3	- 28.0	7.3	05	1	- 1.7	12.8	9.2	+1.5	0	1	0	0	2	0	0	0	0	0
DHANBAD	29.9	+2.5	34.8	26	15.4	+0.9	11.2	10	0.0	6.0	- 16.9	6.0	05	1	- 1.1	5.5	4.9	-2.3	0	1	0	0	1	0	0	0	0	0
RANCHI AERODROME	27.3	+2.2	31.9	26	13.3	+1.0	7.9	10	6.7	20.7	- 11.3	8.5	05	3	+ 0.3	13.1	9.4	0.0	0	4	0	1	4	1	0	0	0	0
JAMSHEDPUR	31.4	+2.2	35.6	28	14.3	0.0	8.4	11	0.0	0.0	- 35.2	0.0	..	0	- 2.5	7.0	4.9	+0.8	0	0	0	0	0	0	0	0	0	0
JAMSHEDPUR P.B.O.	31.0	+2.0	36.0	28	14.6	+0.2	8.6	11	0.0	0.2	- 27.3	0.2	27	0	- 2.0	7.4	4.5	+0.3	1	0	0	0	2	1	0	0	1	0
CHAIBASA	31.9	+2.7	36.6	28	13.9	-0.5	8.6	11	0.0	0.0	- 35.1	0.0	..	0	- 2.6	4.3	2.6	+0.2	0	0	0	0	0	0	0	0	0	0
BIHAR PLAINS																												
MOTIHARI	..	..	..	..	..	..	..	..	1.1	5.1	- 9.9	4.0	14	1	- 0.3	..	..	..	0	2	0	0	0	0	0	0	0	0
FORBESGANJ	25.1	-2.1	31.8	28	10.4	-0.6	5.6	11	1.5	11.1	+ 6.2	9.6	14	1	+ 0.3	9.9	6.2	+1.2	0	2	0	0	1	0	0	0	0	0
DARBHANGA	26.8	+0.9	32.4	28	11.1	-0.5	6.9	09	0.0	21.8	+ 5.8	21.8	14	1	- 0.6	4.3	3.1	+0.9	0	1	0	0	0	0	0	0	0	0
MUZAFFARPUR	26.4	..	32.3	28	11.4	..	6.6	08	0.0	23.8	+ 7.0	23.8	14	1	- 0.7	6.5	4.4	..	0	1	0	0	3	1	0	0	0	0
CHAPRA	28.0	..	34.8	28	12.4	..	8.2	07	1.4	8.4	- 10.7	5.6	14	2	+ 0.2	5.8	4.1	..	0	2	0	0	2	1	0	0	0	0
PURNEA	26.5	-0.1	31.9	28	8.5	-2.6	4.2	10	5.0	10.5	- 6.8	5.5	14	2	+ 0.5	5.1	2.5	-1.4	0	2	0	0	0	0	0	0	0	0
PATNA	..	..	..	..	..	..	..	..	..	0.0	- 22.1	0.0	..	0	- 1.9	..	..	..	0	0	0	0	0	0	0	0	0	0
PATNA AERODROME	27.2	+0.6	33.8	28	11.8	-0.1	7.0	07	0.0	12.2	+ 3.0	11.4	14	1	+ 0.1	11.4	5.6	+0.8	0	2	0	0	3	3	1	0	0	0
ARRAH	..	..	..	..	..	..	..	..	..	0.0	- 27.3	0.0	..	0	- 1.8	..	..	..	0	0	0	0	0	0	0	0	0	0
BHAGALPUR	27.2	-0.2	34.9	28	13.8	-0.5	9.4	10	6.5	7.0	+ 3.5	6.5	15	1	+ 0.5	10.3	7.1	+0.8	0	2	0	0	0	2	0	0	0	0
SABAUR	27.0	+0.6	34.0	28	9.0	-1.7	3.7	09	8.2	8.2	- 11.9	8.2	15	1	- 0.6	9.6	5.0	-0.5	0	1	0	0	1	1	0	0	1	0
JAMUI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
DEHRI	28.0	+0.3	33.6	28	11.2	-3.0	8.0	01	5.9	15.3	- 9.3	6.6	14	2	0.0	8.0	5.4	-0.2	0	5	0	0	0	0	0	0	0	0
GAYA	28.6	+1.6	35.0	28	11.7	-0.5	6.0	08	4.6	5.4	- 9.1	3.6	15	1	- 0.6	10.3	6.1	-1.0	1	3	0	0	3	1	0	0	1	0
SUPAUL	29.3	..	30.6	28	13.2	..	10.1	02	0.0	15.0	..	15.0	14	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0
UTTAR PRADESH EAST																												
KHERI	27.2	+1.0	33.8	28	10.1	-0.8	5.9	07	3.8	4.6	- 7.8	3.8	17	1	- 0.4	6.0	4.1	+0.6	0	2	0	0	1	0	1	0	0	0
BAHRAICH	27.6	+2.0	34.6	28	10.1	-0.8	5.1	07	0.2	1.4	- 20.2	1.2	14	0	- 2.0	10.6	6.5	+1.7	1	1	0	0	0	0	0	0	0	0
NAUTANWA	27.0	+1.4	33.4	28	8.1	-2.2	3.0	07	0.0	2.6	- 5.6	1.4	14	0	- 0.9	5.4	2.8	-0.6	0	2	0	0	0	0	0	0	0	0
HARDOI	26.8	+0.7	34.0	28	10.1	-0.6	6.0	07	0.0	2.5	- 7.2	2.5	16	1	- 0.1	9.1	6.8	+1.4	0	1	0	0	0	0	0	0	0	0
GONDA	26.9	+1.2	34.0	28	9.9	-0.6	5.1	06	3.2	5.0	- 15.1	3.2	17	1	- 0.8	11.8	8.9	+3.8	0	2	0	0	0	0	0	0	0	0
LUCKNOW	27.2	+0.8	33.7	28	10.0	-1.5	8.0	05	0.0	0.0	- 20.6	0.0	..	0	- 1.9	..	..	..	0	0	0	0	0	0	0	0	0	0
LUCKNOW(AMAUSI)	27.3	+1.3	33.1	27	9.6	-0.1	3.4	06	0.0	0.3	- 9.3	0.3	14	0	- 0.9	14.3	9.0	+1.7	0	1	0	0	2	0	0	0	0	0
FAIZABAD	28.1	+2.1	35.8	28	10.2	-0.2	4.9	06	0.0	0.2	- 7.6	0.2	01	0	- 1.4	6.9	3.4	-0.2	1	0	0	0	0	2	0	0	0	0
GORAKHPUR	27.9	+2.0	34.5	28	12.0	-0.3	7.1	07	0.0	2.2	- 16.6	2.2	14	0	- 2.0	7.6	5.1	+1.2	0	1	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - FEBRUARY 1968 MAGHA 12 - PHALGUNA 9, 1890 SAKA

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																												
KANPUR	27.8	+1.8	34.5	28	11.5	+0.5	5.9	11	..	3.4	- 14.9	1.8	14	0	- 1.5	.	12.0	+3.2	0	2	0	0	0	0	1	0	0	0
KANPUR (AERODROME)	27.6	..	34.2	28	10.2	..	0.1	12	0.0	17.7	..	16.5	12	1	..	..	..	..	0	2	0	0	2	1	0	0	0	0
SULTANPUR	28.6	+2.2	35.0	28	11.4	-0.2	7.1	10	0.0	0.7	- 4.2	0.7	16	0	- 0.6	5.5	4.1	-0.6	0	1	0	0	0	0	0	0	0	0
AZAMGARH	28.3	+1.1	35.4	28	10.3	-1.2	4.4	11	8.0	13.0	- 4.0	8.0	17	2	+ 0.7	7.0	4.8	..	0	2	0	0	2	0	0	0	0	0
FATEHPUR	28.0	+1.4	33.5	27	10.6	-0.5	4.3	07	0.0	0.0	- 17.9	0.0	..	0	- 1.8	..	..	..	0	0	0	0	0	0	0	0	0	0
BALLIA	24.0	-2.6	30.0	28	..	..	..	..	5.2	12.0	+ 7.1	6.8	14	2	+ 1.0	7.1	3.8	-0.6	0	2	0	0	0	0	0	0	0	0
BANDA	29.5	+1.6	35.0	28	11.9	+0.1	6.8	07	0.0	0.0	- 13.3	0.0	..	0	- 1.0	3.8	1.6	-0.5	0	0	0	0	0	0	0	0	0	0
ALLAHABAD (BAMHRAULI)	29.2	+2.5	35.0	28	11.6	0.0	5.9	06	2.5	4.5	- 16.1	2.2	17	0	- 2.0	6.2	3.3	-2.2	0	4	0	0	3	1	0	0	0	0
VARANASI (BABATPUR)	28.1	+0.9	34.1	28	11.5	0.0	6.2	06	1.8	3.8	- 4.1	2.0	14	0	- 0.8	13.6	10.3	+1.0	0	2	0	0	3	1	0	0	0	0
VARANASI	28.2	+1.6	34.3	28	13.5	+1.5	8.8	12	0.0	3.6	- 19.8	3.6	14	1	- 1.0	4.0	4.2	-3.6	0	1	0	0	1	1	0	0	0	0
UTTAR PRADESH WEST																												
MUKHIM	14.8	+1.5	19.0	27	5.6	+1.3	2.0	14	21.1	47.4	- 5.0	10.0	18	6	+ 2.3	..	..	..	1	6	0	0	1	0	0	0	0	0
TEHRI	23.4	+1.0	29.0	27	7.0	+0.4	2.8	06	9.1	25.5	- 21.2	19.7	14	2	- 1.0	2.5	1.2	..	1	5	0	0	3	0	0	0	0	0
DEHRA DUN	23.2	+1.8	28.4	27	8.3	+0.1	3.6	05	7.0	15.8	- 51.0	10.0	14	2	- 1.8	4.1	3.2	+0.1	0	4	0	0	2	1	0	0	0	0
MANSIARI	12.6	..	16.6	27	1.9	..	- 0.7	14	0.0	60.4	..	35.0	14	3	..	..	..	..	2	6	0	0	0	0	0	0	0	0
ROORKEE	24.8	+1.9	31.5	28	7.0	-1.7	1.1	05	2.0	12.2	- 33.3	6.3	14	2	- 0.9	7.2	4.7	-0.1	0	4	0	0	2	0	0	0	0	0
NAJIBABAD	..	..	..	..	7.8	-0.6	2.2	06	0.8	4.5	- 21.7	2.2	01	0	- 0.2	9.1	6.0	+2.3	0	4	0	0	1	1	0	0	0	0
MEERUT	25.8	+1.3	32.2	27	6.8	-3.0	2.7	07	..	5.0	- 24.7	3.0	14	1	- 1.5	.	8.5	+1.3	0	2	0	0	0	0	0	0	0	0
BAREILLY	26.3	+1.4	33.5	28	10.8	0.0	5.9	08	0.0	2.5	- 25.2	2.5	14	1	- 1.0	..	..	..	0	1	0	0	2	1	0	0	0	0
ALIGARH	25.9	+1.0	32.7	27	9.3	-0.6	4.0	04	0.0	1.2	- 17.6	1.2	14	0	- 1.6	11.1	6.9	+0.6	0	1	0	0	0	0	0	0	0	0
MAINPURI	27.6	+1.6	34.4	28	8.4	-1.7	3.0	06	2.1	6.6	- 6.3	4.1	14	1	- 0.2	..	..	..	0	3	0	0	2	0	1	0	0	0
AGRA	26.8	+1.1	32.0	27	10.2	-0.1	4.4	04	0.0	17.0	+ 3.5	16.0	14	1	- 0.2	..	..	..	0	2	0	0	0	0	0	0	0	0
AGRA AERODROME	27.2	..	33.3	28	9.2	..	3.9	06	0.0	17.4	..	17.4	14	1	..	..	..	..	0	1	0	1	2	1	0	0	1	0
ORAI	27.8	+0.7	33.0	27	10.9	-0.1	6.2	07	0.0	0.8	- 5.2	0.8	14	0	- 0.6	7.9	6.2	+0.4	0	1	0	0	0	0	0	0	0	0
JHANSI	28.1	+0.6	32.1	28	11.3	-0.4	5.7	08	0.0	0.0	- 12.2	0.0	..	0	- 1.1	5.5	6.0	+1.6	0	0	0	0	0	0	0	0	0	0
MORADABAD	25.2	..	30.6	27	8.7	..	5.1	10	0.0	5.4	..	4.0	14	1	..	6.9	6.5	..	0	2	0	0	0	0	0	0	0	0
UTTAR KASHI	23.4	..	29.0	27	8.5	..	5.2	06	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
ASCOT	..	..	..	..	..	..	..	..	0.0	31.0	..	20.0	14	3	..	..	..	..	0	3	0	0	0	0	0	0	0	0
DHARCHULA	..	..	..	..	..	..	..	..	0.0	32.2	..	25.0	14	2	..	4.9	1.8	..	0	2	0	0	0	0	0	0	0	0
HARYANA (INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	23.6	+0.2	29.5	27	8.3	-0.6	3.2	06	1.2	17.2	- 8.3	9.4	16	2	+ 0.4	..	..	..	0	2	0	0	0	0	0	0	0	0
AMBALA	21.2	-2.6	27.8	27	9.7	+1.2	5.0	05	2.0	18.0	- 31.5	9.8	14	2	- 1.1	10.5	8.3	+1.6	0	2	0	0	0	0	0	0	0	0
AMBALA AERODROME	23.9	..	31.2	27	8.8	..	2.7	05	6.8	18.8	..	7.8	16	3	..	..	..	..	0	3	0	1	4	1	0	0	0	0
KARNAL	23.2	-0.8	30.4	27	9.2	0.0	4.4	07	1.0	25.5	+ 2.8	21.0	16	2	+ 0.5	9.6	7.3	..	0	3	0	0	1	0	0	0	0	0
HISSAR	25.0	0.0	31.5	27	9.0	+0.9	2.8	04	8.8	18.0	+ 4.3	8.8	14	2	+ 0.7	9.1	7.2	+0.8	0	4	0	1	2	0	0	0	0	0
NEW DELHI/SAFDARJUNG	25.1	+1.5	31.6	28	9.8	-0.3	4.4	04	2.5	8.6	- 15.0	8.2	14	1	- 0.7	18.3	11.5	+1.4	0	2	0	0	2	1	0	0	0	0
PALAM AERODROME	25.3	..	31.4	27	7.9	..	1.0	03	2.0	2.8	..	2.6	14	1	..	..	..	..	1	1	0	0	1	1	0	0	0	0
GURGAON	25.4	..	31.4	28	8.4	..	2.3	09	1.7	5.7	..	4.0	14	1	..	..	..	..	0	2	0	0	1	0	0	0	0	0
NARNAUL	26.4	..	31.7	27	7.4	..	1.1	06	0.0	1.0	..	0.7	13	0	..	..	..	..	0	2	0	0	1	0	0	0	0	0
ROHTAK	25.0	..	31.7	28	8.0	..	4.0	04	0.3	0.5	..	0.3	13	0	..	13.3	10.1	..	1	1	0	0	3	0	0	0	0	0
PUNJAB																												
PATHANKOT	21.6	-0.6	29.5	27	7.6	-0.8	1.5	08	24.2	53.4	+ 11.5	20.8	14	4	+ 1.7	..	..	..	0	7	0	1	5	0	0	0	0	0
AMRITSAR	22.1	-0.5	28.6	27	7.4	+0.9	1.7	08	13.9	40.9	+ 25.0	25.9	14	3	+ 1.4	..	..	..	0	5	0	0	3	0	0	0	0	0
ADAMPUR AERODROME	23.1	..	30.2	27	5.7	..	- 1.6	07	15.6	46.4	..	28.6	14	3	..	..	..	..	0	5	0	0	4	4	0	0	0	0
LUDHIANA	24.2	+0.9	31.0	27	8.6	+0.2	3.4	04	2.2	17.7	- 18.9	10.5	14	2	- 0.7	7.9	5.3	+2.1	0	3	0	0	0	0	0	0	0	0
FEROZEPUR	22.1	-1.3	27.0	26	8.0	+0.4	2.6	04	10.8	16.4	+ 3.8	10.8	14	3	+ 2.0	4.4	4.3	+1.7	1	3	0	0	0	0	0	0	0	0
HALWARA AERODROME	23.1	..	29.5	27	6.8	..	1.0	04	13.8	31.3	..	22.7	14	2	..	..	..	..	0	2	0	0	3	1	0	0	0	0
PATIALA	22.9	-1.3	29.4	27	9.1	-0.2	4.1	05	0.0	22.8	- 8.4	12.1	16	2	- 0.1	8.6	9.1	-0.2	0	4	0	0	4	0	0	0	0	0
BHATINDA	23.2	-0.8	27.3	26	7.3	+0.1	0.4	04	1.5	9.0	+ 1.7	6.0	16	2	+ 1.3	3.6	3.6	-0.7	0	2	0	0	3	0	0	0	0	0
HIMACHAL PRADESH																												
MANDI	21.6	+0.3	27.1	28	5.6	+0.7	1.3	06	28.3	75.0	+ 44.9	27.2	14	5	+ 2.5	..	..	..	0	6	0	0	0	2	0	0	0	0
BILASPUR	22.1	+0.3	28.0	27	8.3	+2.4	3.5	06	18.0	102.5	+ 85.9	62.0	17	3	+ 1.0	5.3	4.4	+1.3	0	3	0	1	3	4	0	0	0	0
JAMMU AND KASHMIR																												
MISGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
GILGIT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
SKARDU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
DRAS	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
SONAMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
LEH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — -FEBRUARY ,1969 MAGHA 12 - PHALGUNA 9,1890 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR(CONTD)																												
SRINAGAR	7.4	-0.5	10.9	23	0.5	+1.3	- 3.6	03	25.7	86.4	+ 12.7	31.2	17	6	- 0.2	5.9	5.0	+0.7	1	9	3	0	0	0	0	0	0	0
SRINAGAR AERODROME	6.5	..	10.2	26	0.2	..	- 5.6	02	24.3	96.3	..	35.0	01	5	..	..	..	..	0	7	7	0	1	1	0	0	0	0
GULMARG	*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
QAZIGUND	5.9	..	8.9	26	0.7	..	- 5.0	07	63.0	210.9	..	72.3	01	9	..	..	..	..	0	10	4	1	3	0	0	0	0	0
BANIHAL	11.9	..	17.3	10	1.6	..	- 1.7	03	84.4	217.7	..	47.0	01	8	..	.	2.4	..	0	11	2	2	1	0	0	0	0	0
JAMMU	21.7	+0.6	27.7	27	9.7	-0.9	6.5	08	..	52.9	- 11.4	30.1	14	3	- 0.7	.	6.7	..	0	4	0	0	0	0	0	0	0	0
JAMMU AERODROME	21.1	..	27.5	27	9.0	..	3.6	06	17.0	63.9	..	23.6	14	4	..	..	..	..	0	7	0	1	5	0	0	0	0	0
GULMARG (RESEARCH INSTITUTE)	0.8	..	3.8	11	8.0	..	-13.6	06	..	277.6	..	61.0	01	12	..	..	..	..	0	13	12	0	2	4	0	0	0	0
RAJASTHAN, WEST																												
GANGANAGAR	24.7	+0.6	30.4	27	8.1	+0.6	3.0	03	0.0	2.8	- 2.3	2.8	16	1	+ 0.5	5.2	3.8	-1.2	0	1	0	0	3	0	0	0	0	0
ANUPGARH	27.6	..	31.3	27	9.4	..	6.0	12	0.0	0.0	..	0.0	..	0	..	9.9	7.5	..	0	0	0	0	0	0	0	0	0	0
CHURU	26.2	+1.0	32.2	27	6.2	-1.1	- 0.4	06	0.0	7.8	+ 4.9	7.8	24	1	+ 0.2	9.1	6.4	+0.5	0	1	0	0	3	1	0	0	0	0
BIKANER	26.5	+0.4	32.8	27	8.6	+0.4	2.0	06	1.0	1.0	- 6.1	1.0	16	0	- 0.6	8.6	7.0	+1.9	0	1	0	0	2	0	0	0	0	0
NAGAUR	27.4	+0.7	32.7	27	9.4	-0.9	2.9	04	0.0	0.0	- 3.6	0.0	..	0	- 0.4	8.4	6.0	+0.2	0	0	0	0	0	0	0	0	0	0
PHALODI	27.7	+1.4	33.0	27	9.3	-0.6	3.6	07	0.0	0.0	- 5.6	0.0	..	0	- 0.6	13.0	10.0	+1.2	0	0	0	0	0	0	0	0	0	0
JAISALMER	27.1	-1.1	32.1	23	7.9	-2.7	1.8	05	0.0	0.9	- 0.6	0.6	12	0	- 0.2	11.2	7.9	-0.3	0	2	0	0	0	0	0	0	0	0
JODHPUR	29.1	+1.2	36.0	11	11.6	-0.4	4.8	05	0.0	0.0	- 6.1	0.0	..	0	- 0.6	..	..	..	0	0	0	0	0	0	0	0	0	0
BARMER	30.3	+1.7	33.6	28	9.3	-4.0	6.0	02	0.0	3.6	- 2.0	3.6	13	1	+ 0.4	7.9	7.2	-0.3	0	1	0	0	1	0	0	0	0	0
ERINPURA (JAWAI DAM)	29.4	+1.0	32.6	23	10.6	-1.3	3.7	06	0.0	0.0	- 1.1	0.0	..	0	- 0.3	5.3	4.6	-0.2	0	0	0	0	0	0	0	0	0	0
JALORE	28.9	..	33.2	23	..	..	..	..	0.0	0.0	..	0.0	..	0	..	8.1	6.9	..	0	0	0	0	0	0	3	0	0	0
RAJASTHAN, EAST																												
PILANI	26.0	0.0	31.8	27	..	..	..	..	0.0	8.1	+ 5.1	6.0	16	1	+ 0.6	10.5	8.2	-0.4	0	3	0	0	0	1	0	0	0	0
SIKAR	26.1	-0.1	31.1	27	6.3	-1.9	- 0.7	05	0.5	5.3	+ 2.3	4.6	14	1	+ 0.4	1.0	0.8	-5.4	0	2	0	0	0	0	0	0	0	0
ALWAR	25.7	-0.1	31.6	28	10.6	+1.0	4.6	04	1.6	5.8	+ 5.3	5.8	14	1	+ 0.5	6.8	4.0	+0.4	0	1	0	0	1	0	0	0	0	0
JAIPUR(SANGANER)	26.5	+1.1	31.4	28	10.4	-0.3	4.6	03	3.2	3.2	- 6.7	3.2	14	1	0.0	..	..	..	0	1	0	0	1	0	0	0	1	0
DHOLPUR	29.0	+2.7	33.8	27	8.4	-1.5	2.2	04	0.0	4.0	+ 0.3	4.0	14	1	+ 0.3	6.0	4.0	+0.2	0	1	0	0	0	0	0	0	0	0
AJMER	26.8	+1.5	31.4	28	11.1	+1.2	6.5	05	0.0	0.0	- 6.9	0.0	..	0	- 0.8	8.0	5.3	+0.9	0	0	0	0	0	0	0	0	0	0
TONK	28.3	+1.4	33.0	27	8.7	-0.7	3.2	09	5.8	6.8	+ 6.3	6.8	14	1	+ 1.0	8.1	5.8	+0.8	0	1	0	0	0	0	0	0	0	0
BHILWARA	27.7	..	32.7	26	10.7	..	6.0	07	0.0	1.8	..	1.8	14	0	..	7.8	5.7	..	0	1	0	0	1	0	1	0	0	0
KOTA	28.7	+0.2	33.2	27	12.7	-0.4	7.0	07	0.0	0.0	- 5.1	0.0	..	0	- 0.5	4.7	2.8	+0.5	0	0	0	0	0	0	0	0	0	0
KOTA AERODROME	28.1	..	33.0	27	13.8	..	7.0	08	0.0	0.0	..	0.0	..	0	..	10.7	7.6	..	0	0	0	0	0	0	1	0	0	0
CHAMBAL (RAWAT BHATTA DAM)	28.6	+0.2	33.0	27	12.6	+3.9	8.1	09	0.0	0.0	- 0.9	0.0	..	0	- 0.2	8.2	5.4	+1.1	0	0	0	0	0	0	0	0	0	0
UDAIPUR	27.5	-0.1	31.0	11	10.4	+0.7	6.2	05	0.0	0.0	- 4.3	0.0	..	0	- 0.5	4.6	2.3	-0.3	0	0	0	0	1	0	0	0	0	0
JHALAWAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BANSWARA	30.6	..	33.4	11	15.6	..	12.2	05	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
DUNGARPUR	30.0	..	33.7	11	..	..	..	..	0.0	0.0	..	0.0	..	0	..	4.8	2.8	..	0	0	0	0	0	0	0	0	0	0
MADHYA PRADESH, WEST																												
GWALIOR	27.7	+1.1	33.2	28	9.4	-0.6	2.4	07	0.0	2.4	- 5.4	2.2	14	0	- 0.8	9.9	5.7	+1.3	1	1	0	0	2	0	0	3	0	0
SHEOPUR	28.4	0.0	33.7	27	11.0	+1.1	5.2	07	0.0	0.0	- 5.5	0.0	..	0	- 0.6	8.2	6.3	+1.2	0	0	0	0	0	0	0	3	0	0
SHIVPURI	27.3	..	32.8	27	8.3	..	2.0	07	0.0	1.6	..	1.6	16	0	..	7.6	4.4	..	0	1	0	0	1	0	0	3	0	0
NOWGONG	28.9	+1.4	34.7	25	9.7	-0.2	3.9	08	0.0	0.0	- 15.7	0.0	..	0	- 1.4	6.9	4.1	+0.1	0	0	0	0	0	0	0	3	0	0
GUNA	29.3	+1.5	33.8	28	10.7	+0.5	5.1	09	0.0	0.2	- 11.0	0.2	16	0	- 1.0	10.3	6.8	+1.7	1	0	0	1	2	0	0	3	0	0
NIMACH	28.4	+0.8	31.8	11	12.9	+1.0	9.6	06	0.0	0.0	- 4.3	0.0	..	0	- 0.4	10.4	7.6	+0.6	0	0	0	0	0	0	0	3	0	0
RAJGARH	30.5	+1.0	33.6	25	12.9	+2.7	8.8	05	0.0	0.0	- 0.4	0.0	..	0	0.0	7.8	6.0	-0.8	0	0	0	0	0	0	0	3	0	0
SAGAR	30.7	+3.3	33.7	28	10.0	-3.9	6.3	03	0.0	0.0	- 12.7	0.0	..	0	- 1.3	13.5	13.1	+6.0	0	0	0	0	0	0	0	3	0	0
RATLAM	30.7	+0.9	33.8	28	13.5	+0.2	10.4	06	0.0	0.0	- 1.7	0.0	..	0	- 0.3	10.9	9.5	+1.6	0	0	0	0	0	0	0	3	0	0
BHOPAL(BAIRAGARH)	30.3	+1.8	34.6	27	12.8	+0.3	8.0	06	0.0	0.0	- 5.3	0.0	..	0	- 0.6	10.9	8.3	+1.9	0	0	0	0	1	0	0	3	0	0
UJJAIN	29.9	..	32.6	12	10.5	..	7.9	06	0.0	0.0	..	0.0	..	0	..	8.9	6.0	..	0	0	0	0	0	0	0	3	0	0
NARSINGHPUR	31.8	..	35.6	26	10.3	..	5.0	09	0.0	1.4	..	1.4	28	0	..	4.6	2.4	..	0	1	0	0	0	0	0	3	0	0
HOSHANGABAD	32.2	+2.4	35.3	27	13.6	-0.7	10.2	02	0.0	0.0	- 11.9	0.0	..	0	- 1.1	4.4	4.1	-0.1	0	0	0	0	0	0	0	3	0	0
INDORE	30.3	+1.4	33.6	27	11.8	+0.8	6.0	01	0.0	0.0	- 3.1	0.0	..	0	- 0.4	11.9	9.8	-1.0	0	0	0	0	0	0	0	3	0	0
RAJPUR(JHABUA)	31.1	+0.3	34.0	11	13.4	+1.5	7.4	05	0.0	0.0	0.0	0.0	..	0	- 0.1	3.2	1.4	-3.1	0	0	0	0	0	0	0	3	0	0
CHHINDWARA	31.0	+2.0	33.4	26	12.0	-0.8	7.8	22	0.0	0.0	- 5.9	0.0	..	0	- 0.4	..	..	..	0	0	0	0	0	0	0	3	0	0
SEONI	31.5	+2.9	34.6	27	15.1	+1.8	12.7	07	0.0	3.0	- 21.9	1.8	16	0	- 2.5	9.0	6.1	+0.1	0	2	0	0	1	0	0	3	0	0
BETUL	31.3	+1.5	34.3	26	12.8	+0.3	10.2	02	0.0	1.0	- 1.2	1.0	28	0	- 0.3	6.0	3.4	-1.6	0	1	0	0	0	0	0	3	0	0
KHANDWA	34.5	+2.6	36.0	28	13.1	-0.5	5.7	02	0.0	0.0	- 5.6	0.0	..	0	- 0.6	8.0	5.4	-1.0	0	0	0	0	0	0	0	3	0	0
TIKAMGARH	28.4	..	34.1	25	8.9	..	1.4	10	0.0	0.0	..	0.0	..	0	..	5.3	4.7	..	0	0	0	0	0	0	0	3	0	0
MADHYA PRADESH, EAST																												
SATNA	29.4	+2.1	34.4	28	11.5	+0.4	6.3	07	1.8	5.3	- 18.6	2.7	15	1	- 1.0	6.6	4.5	0.0	0	3	0	0	1	1	0	3	0	0
REWA	29.2	..	34.9	27	11.3	..	5.6	10	0.0	15.9	..	9.3	16	2	..	5.1	2.8	..	0	3	0	0	4	0	0	3	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - -FEBRUARY ,1969(MAGHA 12 - PHALGUNA 9,1890 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 a'	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST (CONTD.)																												
SIDHI	29.4	+1.8	34.3	27	12.0	+1.7	6.6	08	..	13.6	+ 0.6	6.4	15	3	+ 1.8	..	..	..	0	3	0	0	0	0	0	0	0	0
UMARIA	30.6	+2.9	34.7	25	11.8	+1.0	7.3	10	0.0	0.0	- 33.2	0.0	..	0	- 2.7	7.4	4.3	+0.7	0	0	0	0	2	0	0	3	0	0
JABALPUR	31.1	+2.2	35.3	25	13.1	+1.7	8.5	09	3.7	8.3	- 16.1	8.3	16	1	- 1.1	..	..	..	0	1	0	0	1	0	0	3	0	0
AMBIKAPUR	29.0	+1.9	33.2	27	12.9	+2.5	7.6	11	3.4	9.0	- 13.2	5.0	27	2	+ 0.1	9.8[d]	7.1[d]	+0.2	0	2	0	1	2	0	0	3	0	0
JASHPURNAGAR	27.9	..	30.5	18	11.5	..	5.5	10	0.0	0.0	..	0.0	..	0	..	8.7	4.6	..	0	0	0	0	0	0	0	3	0	0
PENDRA	29.3	+2.8	33.6	26	15.1	+2.6	11.2	07	0.0	0.1	- 36.0	0.1	04	0	- 2.9	10.6	6.6	+0.5	1	0	0	0	1	0	0	3	0	0
MANDLA	31.1	+1.8	34.4	25	11.2	+1.1	6.6	10	0.0	3.2	- 12.1	2.0	27	0	- 1.7	6.7	3.6	+1.2	0	2	0	0	2	0	0	0	0	0
CHAMPA	32.4	+1.3	35.8	26	16.6	+0.3	11.5	01	0.0	0.0	- 13.3	0.0	..	0	- 1.2	7.1	6.2	+0.9	0	0	0	0	0	0	0	3	0	0
RAIGARH	33.9	+2.0	37.0	28	16.8	+0.9	11.7	01	0.0	0.0	- 15.5	0.0	..	0	- 1.3	5.6	3.9	-0.5	0	0	0	0	0	0	0	3	0	0
RAIPUR	33.2	+2.9	36.6	28	17.6	+1.4	12.7	01	0.0	0.0	- 26.9	0.0	..	0	- 2.1	6.9	5.1	-0.9	0	0	0	0	0	0	0	3	0	0
KANKER	32.8	+2.6	35.5	28	17.0	+2.4	11.6	01	0.0	0.0	- 22.3	0.0	..	0	- 2.0	4.2	3.8	+0.1	0	0	0	0	0	0	0	3	0	0
JAGDALPUR	33.5	+2.5	36.0	28	16.0	+1.7	11.6	01	0.0	0.0	- 22.6	0.0	..	0	- 1.4	..	..	..	0	0	0	0	0	0	0	3	0	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																												
DEESA	29.6	-2.5	32.4	10	8.5	-3.7	3.2	05	0.0	0.0	- 4.3	0.0	..	0	- 0.3	7.9	6.4	..	0	0	0	0	0	0	0	0	0	0
RADHANPUR	29.5	-1.4	32.8	28	12.4	-0.3	8.1	05	6.0	6.0	+ 5.9	6.0	14	1	+ 1.0	8.5	5.9	0.0	0	1	0	0	0	0	0	0	0	0
IDAR	30.3	-0.2	33.7	10	15.9	-0.4	11.7	17	0.0	0.0	0.0	0.0	..	0	0.0	7.4	6.3	-1.2	0	0	0	0	0	0	0	0	0	0
AHMADABAD	31.1	+0.1	34.0	22	14.8	+0.3	9.2	05	0.0	0.0	- 1.5	0.0	..	0	- 0.1	9.9	6.5	+1.4	0	0	0	0	0	0	1	0	0	0
DOHAD	31.0	+0.7	34.8	11	14.9	+0.4	10.9	07	0.0	0.0	- 1.7	0.0	..	0	- 0.2	12.7	9.4	-0.6	0	0	0	0	0	0	0	0	0	0
VALLABH VIDYANAGAR	31.1	..	34.5	10	12.7	..	6.3	04	0.0	0.0	..	0.0	..	0	..	7.5	5.5	..	0	0	0	0	0	9	0	0	0	0
BARODA AERODROME	31.6	-1.1	35.4	10	14.4	+0.2	8.2	05	0.0	0.0	- 0.3	0.0	..	0	- 0.1	10.9	8.7	+2.2	0	0	0	0	0	0	0	0	0	0
BARODA	33.1	+0.7	39.1	08	15.0	+2.3	9.2	05	0.0	0.5	- 0.9	0.5	14	0	- 0.3	5.8	3.9	+0.4	0	1	0	0	0	0	0	0	0	0
BROACH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SURAT	33.5	+0.4	38.6	11	16.3	-0.1	10.6	05	0.0	0.0	- 1.8	0.0	..	0	- 0.2	8.7	6.2	+0.1	0	0	0	0	0	0	0	0	0	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																												
NALIYA	27.5	-2.2	32.3	10	10.2	-1.0	3.3	06	0.0	0.0	- 4.6	0.0	..	0	- 0.2	16.4	11.2	+3.0	0	0	0	0	0	8	0	0	0	0
BHUJ (RUDRAMATA)	29.3	+0.2	32.7	22	12.6	-0.3	5.7	05	0.0	0.0	- 5.6	0.0	..	0	- 0.4	13.1	9.8	+1.7	0	0	0	0	1	0	0	0	0	0
KANDLA AERODROME	29.8	..	33.1	11	13.8	..	8.6	05	0.0	0.8	..	0.8	14	0	..	19.7	18.5	..	0	1	0	0	1	2	0	0	0	0
NEW KANDLA	27.4	-0.9	31.1	22	15.5	-1.4	10.6	05	5.2	5.2	- 0.8	5.2	14	1	+ 0.6	12.5	12.7	+0.1	0	1	0	0	0	1	0	0	0	0
MANDVI	26.7	+0.4	31.5	09	13.9	-0.9	8.0	10	0.0	0.0	0.0	0.0	..	0	0.0	19.7	16.9	+0.5	0	0	0	0	0	0	0	0	0	0
SURENDRANAGAR	31.2	-0.2	35.4	22	15.8	+1.0	9.8	05	0.0	0.0	0.0	0.0	..	0	0.0	..	..	..	0	0	0	0	0	0	0	0	0	0
OKHA	24.7	..	27.4	20	19.1	..	17.1	05	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
JAMNAGAR AERODROME	28.4	-0.4	31.8	10	13.0	0.0	7.4	03	0.0	0.0	- 1.8	0.0	..	0	- 0.2	..	..	..	0	0	0	0	0	2	0	0	0	0
DWARKA	25.8	-0.6	31.6	10	18.1	+0.4	13.0	06	0.0	0.0	- 5.1	0.0	..	0	- 0.4	17.3	14.5	-0.3	0	0	0	0	0	0	0	0	0	0
RAJKOT	30.5	-0.2	35.0	10	13.5	+0.4	7.8	06	0.0	0.0	0.0	0.0	..	0	0.0	19.8	16.4	+2.8	0	0	0	0	0	3	0	0	0	0
BHAVNAGAR AERODROME	30.7	+0.4	33.7	22	15.1	+0.2	10.4	05	0.0	0.0	- 0.2	0.0	..	0	0.0	19.3	15.7	+7.1	0	0	0	0	0	0	0	0	0	0
PORBANDER AERODROME	29.4	-0.7	34.7	10	15.6	-1.2	11.7	05	0.0	0.0	- 0.8	0.0	..	0	- 0.1	17.1	13.2	..	0	0	0	0	0	1	0	0	0	0
KESHOD	31.3	-1.9	36.6	10	13.6	-0.1	8.1	06	0.0	0.0	- 2.3	0.0	..	0	- 0.2	18.0	14.1	+0.5	0	0	0	0	0	2	0	0	0	0
MAHUVA	31.9	..	35.2	08	12.2	..	6.7	05	0.0	0.0	0.0	0.0	..	0	- 0.1	9.4	7.6	..	0	0	0	0	0	0	0	0	0	0
VERAVAL	29.1	-0.1	33.4	09	15.0	-0.4	9.7	05	0.0	0.0	- 1.8	0.0	..	0	- 0.2	18.9	15.9	+2.7	0	0	0	0	0	2	0	0	0	0
DIU	28.7	..	34.0	28	16.6	..	11.2	05	0.0	0.0	..	0.0	..	0	..	13.9	11.0	..	0	0	0	0	0	0	0	0	0	0
KONKAN (INCLUDING GOA)																												
DAHANU	..	..	..	..	17.3	-0.2	14.6	05	0.0	0.0	- 0.3	0.0	..	0	- 0.1	17.4	11.3	-1.2	0	0	0	0	0	0	0	0	0	0
BOMBAY (SANTACRUZ)	31.1	-0.5	36.9	09	18.0	+1.1	14.5	06	0.0	0.0	- 0.8	0.0	..	0	- 0.1	14.3	9.2	0.0	0	0	0	0	0	0	0	0	0	0
BOMBAY	29.0	-0.5	35.0	09	20.4	+0.1	17.8	06	0.0	0.0	- 2.0	0.0	..	0	- 0.1	13.1	10.7	+1.4	0	0	0	0	0	0	0	0	0	0
ALIBAG	28.9	+0.3	33.3	09	18.8	+0.4	16.3	24	..	0.0	- 0.3	0.0	..	0	- 0.1	.	9.1	+1.5	0	0	0	0	0	0	0	0	0	0
BHIRA	36.1	..	39.0	08	14.2	..	11.8	01	0.0	0.0	..	0.0	..	0	..	3.8	2.1	..	0	0	0	0	0	0	0	0	0	0
HARNAI	27.7	-0.4	34.7	10	22.6	0.0	20.7	05	0.0	0.0	- 0.1	0.0	..	0	0.0	22.1	17.5	+3.7	0	0	0	0	0	0	0	0	0	0
RATNAGIRI	30.7	0.0	37.0	09	19.9	+0.1	17.7	01	0.0	0.0	- 1.0	0.0	..	0	- 0.1	12.4	9.4	..	0	0	0	0	0	0	0	0	0	0
DEVGARH	30.1	+0.1	35.4	10	21.3	-0.4	19.9	05	0.0	0.0	- 0.1	0.0	..	0	0.0	20.0	16.0	+2.2	0	0	0	0	0	0	0	0	0	0
VENGURLA	31.9	+0.2	37.1	09	18.6	-0.5	16.6	0'	0.0	0.0	- 0.3	0.0	..	0	- 0.1	11.0	6.1	..	0	0	0	0	0	0	0	0	0	0
PANJIM	31.4	..	36.5	10	20.9	..	18.7	01	0.0	0.0	..	0.0	..	0	..	14.8	11.4	..	0	0	0	0	0	0	0	0	0	0
MORMUGAO	30.0	+1.0	35.4	10	22.3	+0.4	20.8	01	0.0	0.0	0.0	0.0	..	0	0.0	13.1	11.9	+0.3	0	0	0	0	0	0	0	0	0	0
DABOLIM (NAVAL AIR STN.)	..	..	..	..	..	..	..	..	0.0	0.0	..	0.0	..	0	..	10.0	7.8	..	0	0	0	0	0	0	0	0	0	0
MADHYA MAHARASHTRA																												
NANDURBAR	33.6	+0.2	36.4	11	18.2	+0.3	14.6	01	0.0	0.0	0.0	0.0	..	0	0.0	..	..	..	0	0	0	0	0	0	0	0	0	0
JALGAON	34.4	+1.2	36.4	11	15.2	+0.9	10.9	01	0.0	0.0	- 2.7	0.0	..	0	- 0.4	10.3	9.6	+1.2	0	0	0	0	0	0	0	0	0	0
MALEGAON	33.4	+0.8	35.0	11	12.7	-0.1	8.0	01	0.0	0.0	- 3.1	0.0	..	0	- 0.3	6.6	5.5	-0.6	0	0	0	0	0	0	0	0	0	0
DZAR	32.1	..	34.8	22	11.6	..	7.8	05	0.0	0.0	..	0.0	..	0	..	8.5	7.7	..	0	0	0	0	0	0	0	0	0	0
AHMADNAGAR	34.8	+2.8	38.0	28	15.0	+0.9	10.1	22	0.0	0.0	- 1.5	0.0	..	0	- 0.2	7.9	6.0	-0.2	0	0	0	0	0	0	0	0	0	0
KHANDALA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — -FEBRUARY 1969 (MAGHA 12 - PHALGUNA 9, 1890 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA(CONTD)																												
POONA AERODROME	33.4	..	36.0	28	14.4	..	11.6	05	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
POONA	33.6	+1.5	36.2	28	12.2	+0.6	9.5	02	0.0	0.0	- 1.3	0.0	..	0	- 0.1	5.7	3.5	..	0	0	0	0	0	0	0	0	0	0
JEUR	34.6	+1.0	38.3	26	15.3	+0.6	12.0	01	0.0	0.0	- 2.1	0.0	..	0	- 0.2	9.5	6.2	-0.1	0	0	0	0	0	0	0	0	0	0
BARAMATI	34.5	+1.2	36.7	27	15.4	+0.9	12.8	01	0.0	0.0	0.0	0.0	..	0	0.0	6.9	6.4	-1.2	0	0	0	0	0	0	0	0	0	0
SHOLAPUR	35.5	+1.8	38.4	23	18.9	+1.4	15.6	01	0.0	0.0	- 3.8	0.0	..	0	- 0.3	9.9	7.1	-0.9	0	0	0	0	0	0	0	0	0	0
MIRAJ	34.3	+1.2	36.5	23	15.4	0.0	12.9	10	0.0	0.0	- 0.5	0.0	..	0	- 0.1	7.9	6.7	-1.2	0	0	0	0	0	0	0	0	0	0
KOLHAPUR	34.3	+1.2	37.4	28	16.4	+0.2	13.4	14	0.0	0.0	- 0.5	0.0	..	0	- 0.1	7.9	6.1	-2.4	0	0	0	0	0	0	0	0	0	0
NASIK	30.3	..	33.2	28	..	..	..	..	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
SANGLI	34.3	..	36.5	23	15.4	..	12.9	10	0.0	0.0	..	0.0	..	0	..	7.9	6.7	..	0	0	0	0	0	0	0	0	0	0
MARATHWADA																												
AURANGABAD	33.4	+1.6	35.4	28	17.0	+0.9	13.2	01	0.0	0.0	- 4.3	0.0	..	0	- 0.5	6.9	6.5	-2.6	0	0	0	0	0	0	0	0	0	0
AURANGABAD(CHIKALTHAN)	32.8	+0.8	35.1	28	11.2	-1.3	7.7	14	0.0	0.0	- 1.1	0.0	..	0	- 0.3	8.9	7.3	-0.2	0	0	0	0	0	0	0	0	0	0
PARBHANI	35.1	+1.6	38.5	27	17.2	+1.1	12.8	01	0.0	0.0	- 7.6	0.0	..	0	- 0.8	7.8	5.9	-0.5	0	0	0	0	0	0	0	0	0	0
NANDER	35.6	..	38.4	27	16.5	..	11.2	01	0.0	0.0	..	0.0	..	0	..	5.4	3.6	..	0	0	0	0	0	0	0	0	0	0
BIR	34.5	..	37.7	27	14.0	..	10.0	01	0.0	0.0	..	0.0	..	0	..	4.5	2.0	..	0	0	0	0	0	0	0	0	0	0
VIDARBHA																												
GONDIA	33.0	+1.9	36.5	28	16.7	+1.3	12.2	01	0.0	0.0	- 14.7	0.0	..	0	- 1.1	2.8	2.7	-0.6	0	0	0	0	0	0	0	3	0	0
NAGPUR(SONEGAON)	34.1	+1.6	36.8	28	16.1	+1.0	11.3	01	0.0	0.0	- 23.4	0.0	..	0	- 1.8	10.0	7.8	..	0	0	0	0	0	0	0	3	0	0
AMRAOTI	34.5	+2.7	37.0	26	18.7	+1.5	14.6	01	0.0	0.0	- 16.0	0.0	..	0	- 1.1	11.0	9.0	-0.1	0	0	0	0	0	1	0	3	0	0
AKOLA AERODROME	34.9	..	37.4	28	15.4	..	12.0	01	0.0	0.0	..	0.0	..	0	..	8.8	7.5	..	0	0	0	0	0	0	0	3	0	0
AKOLA	34.8	+2.0	37.2	28	16.7	+1.5	11.6	01	0.0	0.0	- 10.4	0.0	..	0	- 0.8	5.4	3.4	-2.5	0	0	0	0	0	0	0	0	0	0
BRAMHAPURI	34.0	+2.3	37.0	28	17.1	+2.1	10.8	01	0.0	0.0	- 10.6	0.0	..	0	- 0.9	9.0	5.6	+1.2	0	0	0	0	0	0	0	3	0	0
BULDANA	31.6	+0.9	33.6	24	18.8	+0.9	15.4	05	0.0	0.0	- 0.3	0.0	..	0	0.0	8.7	7.3	-1.2	0	0	0	0	0	0	0	3	0	0
YEOTMAL	34.6	+2.2	38.8	18	19.2	+1.2	16.0	02	0.0	0.0	- 4.1	0.0	..	0	- 0.3	12.0	9.3	0.0	0	0	0	0	0	0	0	3	0	0
CHANDRAPUR	35.8	+3.5	39.0	28	18.6	+2.7	11.4	01	0.0	0.0	- 24.9	0.0	..	0	- 1.6	7.7	5.6	+1.4	0	0	0	0	0	0	0	3	0	0
PUSAD	35.5	..	38.4	27	15.8	..	11.1	01	0.0	0.0	..	0.0	..	0	..	7.6	4.6	..	0	0	0	0	1	0	0	3	0	0
SIRONCHA	35.7	+1.8	38.8	24	19.4	+1.3	13.9	07	0.0	0.0	- 4.7	0.0	..	0	- 0.6	6.8	4.3	-0.2	0	0	0	0	0	0	0	3	0	0
WARDHA	34.8	..	38.2	28	18.4	..	13.2	01	0.0	0.0	..	0.0	..	0	..	7.0	5.5	..	0	0	0	0	0	0	0	3	0	0
BHANDARA	33.2	..	36.5	28	17.3	..	11.9	01	0.0	0.0	..	0.0	..	0	..	7.7	5.9	..	0	0	0	0	0	0	0	3	0	0
COASTAL ANDHRA PRADESH																												
KALINGAPATAM	30.9	+1.3	34.7	19	18.5	-1.3	15.3	17	0.0	0.0	- 14.7	0.0	..	0	- 1.1	12.8*	7.4*	-2.1	0	0	0	0	0	2	0	0	0	0
VISHAKHAPATNAM	32.7	+3.5	36.3	19	19.7	+0.4	15.4	17	0.0	0.0	- 21.6	0.0	..	0	- 1.1	16.0	7.8	+1.4	0	0	0	0	0	2	0	0	0	0
KAKINADA	32.4	+2.8	35.8	22	20.5	-0.2	18.3	06	0.0	0.0	- 9.1	0.0	..	0	- 0.8	10.3	5.5	-3.3	0	0	0	0	0	0	0	0	0	0
NIDADAVOLE	32.9	+0.8	35.0	18	19.4	+0.1	17.0	06	0.0	0.0	- 3.6	0.0	..	0	- 1.0	8.2	4.7	-1.3	0	0	0	0	0	0	0	0	0	0
RENTACHINTALA	35.7	+1.6	39.5	21	19.9	0.0	16.5	01	0.0	0.0	- 7.9	0.0	..	0	- 0.6	5.7	5.1	-1.4	0	0	0	0	0	0	0	0	0	0
GANNAVARAM	33.0	+0.1	35.7	23	19.5	-0.5	16.4	05	0.0	0.0	- 3.1	0.0	..	0	- 0.5	13.4	8.3	-1.0	0	0	0	0	0	6	0	0	0	0
MASULIPATAM	30.6	+1.0	33.8	21	19.1	-1.7	16.5	04	0.0	0.0	- 15.0	0.0	..	0	- 0.6	4.7	2.7	-5.5	0	0	0	0	0	0	0	0	0	0
ONGOLE	32.9	+2.3	36.6	21	21.0	+0.1	19.0	07	0.0	0.0	- 6.4	0.0	..	0	- 0.4	9.2	7.1	+0.6	0	0	0	0	0	0	0	0	0	0
NELLORE	33.0	+1.0	37.2	21	21.1	0.0	19.4	05	0.0	0.0	- 6.9	0.0	..	0	- 0.4	..	..	..	0	0	0	0	0	0	0	0	0	0
VISHAKHAPATNAM(SOLAR)																												
TELANGANA																												
RAMGUNDAM	35.3	+1.2	38.2	24	19.2	+0.4	13.6	01	0.0	0.0	- 2.2	0.0	..	0	- 0.3	8.1	5.9	+0.2	0	0	0	0	0	0	0	0	0	0
NIZAMABAD	35.8	+3.2	38.4	28	19.2	+1.7	14.5	01	0.0	0.0	- 19.1	0.0	..	0	- 1.4	..	..	..	0	0	0	0	0	0	0	0	0	0
HANAMKONDA	34.6	+2.2	38.1	21	19.5	+0.3	16.4	06	0.0	0.0	- 14.0	0.0	..	0	- 1.1	13.0	9.4	+0.3	0	0	0	0	0	0	0	0	0	0
HAKIMPET AERODROME	32.7	..	36.0	23	18.6	..	15.4	07	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
BHADRACHALLAM	35.8	+1.8	39.0	21	19.8	+0.8	15.8	08	0.0	0.0	- 1.3	0.0	..	0	- 0.2	7.8	5.4	-1.1	0	0	0	0	0	0	0	0	0	0
HYDERABAD(BEGAMPET)	33.6	+2.4	37.0	22	17.0	+0.3	13.0	08	0.0	0.0	- 9.7	0.0	..	0	- 0.9	12.2	8.6	-0.3	0	0	0	0	0	0	0	0	0	0
KHAMMAM	35.3	+1.7	39.4	21	20.3	+0.3	17.0	09	0.0	0.0	- 7.7	0.0	..	0	- 0.4	6.3	5.4	-1.8	0	0	0	0	0	4	0	0	0	0
MAHBUBNAGAR	33.1	+0.8	36.6	22	18.1	+0.2	13.9	06	0.0	0.0	- 0.5	0.0	..	0	- 0.4	6.9	5.4	-3.2	0	0	0	0	0	0	0	0	0	0
RAYALASEEMA																												
KURNOOL	35.8	+1.5	39.8	23	19.2	-0.1	14.2	09	0.0	0.0	- 8.1	0.0	..	0	- 0.5	8.1	5.5	-1.4	0	0	0	0	0	0	0	0	0	0
NANDYL	35.2	..	38.2	23	22.6	..	19.7	18	0.0	0.0	..	0.0	..	0	..	8.4	6.8	..	0	0	0	0	0	0	0	0	0	0
ANANTAPUR	34.5	+1.1	37.9	22	19.3	+0.7	15.4	05	0.0	0.0	- 6.1	0.0	..	0	- 0.4	10.1	9.6	+0.4	0	0	0	0	0	0	0	0	0	0
CUDDAPAH	35.5	+1.2	40.2	23	21.1	+0.1	18.0	01	0.0	0.0	- 3.3	0.0	..	0	- 0.2	..	..	..	0	0	0	0	0	0	0	0	0	0
AROGYAVARAM	31.8	+1.7	35.2	23	16.7	0.0	12.6	05	0.0	0.0	- 4.6	0.0	..	0	- 0.3	11.1	8.1	+1.0	0	0	0	0	0	0	0	0	0	0
TAMIL NADU(INCLUDING PONDICHERRY)																												
MADRAS	30.4	+0.7	34.2	22	21.1	+0.3	18.3	01	0.0	0.0	- 8.0	0.0	..	0	- 0.7	9.4	6.0	+0.7	0	0	0	0	0	0	0	0	0	0
MADRAS(MINAMBAKKAM)	31.6	+1.0	35.7	22	20.9	-0.2	18.4	01	0.0	0.0	- 12.5	0.0	..	0	- 0.8	12.6	8.4	-0.8	0	0	0	0	0	0	0	0	0	0
VELLORE	33.4	+1.8	37.6	23	18.8	-0.4	14.9	01	0.0	0.0	- 5.3	0.0	..	0	- 0.5	7.6	8.2	+1.6	0	0	0	0	0	0	0	0	0	0
TAMBARAM AERODROME	35.4	..	37.8	22	20.4	..	17.8	01	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
TIRUPPATTUR	32.1	-0.4	36.3	26	18.7	+1.2	13.0	04	0.0	0.0	- 13.2	0.0	..	0	- 0.8	6.8	4.3	+0.2	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — FEBRUARY 1969 (MAGHA 12 - PHALGUNA 9, 1890 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
TAMILNADU(INCLUDING PONDICHERRY)																												
METTUR DAM R.S.	34.7	..	36.8	19	21.6	..	18.3	01	0.0	0.0	..	0.0	..	0	..	7.7	7.0	..	0	0	0	0	0	0	0	0	0	0
CUDDALORE	29.5	+0.5	33.6	22	20.7	-0.5	17.2	01	17.1	24.5	+ 1.6	24.5	09	1	- 0.1	10.7	6.8	-2.2	0	1	0	0	0	1	0	0	0	0
KALLAKKURICHCHI	33.5	+0.8	36.4	22	19.8	-0.6	16.8	01	14.0	14.0	+ 2.0	14.0	09	1	+ 0.3	7.1	4.8	..	0	1	0	0	0	0	0	0	0	0
SALEM	34.5	+0.8	37.2	21	20.4	+0.2	17.7	01	0.0	0.0	- 8.4	0.0	..	0	- 0.6	9.2	8.7	-2.0	0	0	0	0	0	0	0	0	0	0
COIMBATORE(PILAMEDU)	33.3	+0.8	36.0	21	19.6	+0.5	17.1	01	0.4	0.4	- 8.1	0.4	10	0	- 0.7	14.7	12.9	+2.2	0	1	0	0	0	2	0	0	0	0
COIMBATORE	33.4	+1.2	36.7	23	20.7	+0.5	18.6	01	..	5.7	- 2.2	5.7	10	1	+ 0.5	.	4.8	-1.7	0	1	0	0	0	0	0	0	0	0
NAGAPATTINAM	29.1	+0.4	32.1	22	23.4	-0.1	20.0	21	3.5	13.7	- 11.2	13.7	09	1	- 0.2	15.1	15.0	-0.8	0	1	0	0	0	0	0	0	0	0
TIRUCHCHIRAPPALLI	32.9	+0.2	36.4	23	20.7	-0.6	17.8	01	0.0	0.0	- 9.1	0.0	..	0	- 0.7	9.9	7.8	+0.1	0	0	0	0	0	1	0	0	0	0
VEDARANNIYAM	32.3	..	34.6	23	20.6	..	17.9	01	7.4	9.6	..	7.4	09	1	..	7.8	5.6	..	0	2	0	0	0	0	0	0	0	0
ATIRAMPATTINAM	31.3	..	33.0	19	21.3	..	18.4	01	4.8	6.2	..	5.2	09	1	..	12.4	8.4	..	0	2	0	0	0	0	0	0	0	0
MADURAI	32.4	0.0	35.7	24	19.3	-2.3	16.3	01	..	11.4	- 3.3	11.4	09	1	+ 0.2	.	5.5	-1.1	0	1	0	0	0	0	0	0	0	0
MADURAI AERODROME	32.9	+0.8	37.0	23	20.1	-1.0	17.1	01	2.4	17.7	+ 13.6	16.3	09	1	+ 0.2	10.4	7.6	-3.4	0	2	0	0	0	0	0	0	0	0
TONDI	29.5	-0.3	31.7	22	21.6	-1.1	18.7	01	5.4	79.8	+ 71.9	68.2	09	3	+ 2.0	14.7	14.1	-2.6	0	3	0	0	0	0	0	0	0	0
PAMBAN	29.5	+0.4	31.5	22	22.2	-1.9	19.8	01	44.2	63.6	+ 42.0	41.2	10	3	+ 1.6	12.3	13.4	-0.5	0	5	0	0	0	0	0	0	0	0
TUTICORIN	28.6	+0.4	31.5	22	21.5	-1.5	19.6	03	15.2	59.8	+ 39.4	23.0	09	4	+ 3.3	18.1	17.5	-1.9	0	4	0	0	0	0	0	0	0	0
PALAYANKOTTAI	33.2	+0.5	36.2	23	22.6	-0.1	20.8	01	20.2	37.0	+ 8.5	17.6	07	3	+ 1.4	9.2	6.1	-2.2	0	5	0	0	0	0	0	0	0	0
KANNIYAKUMARI	31.8	..	33.6	02	23.6	..	22.2	14	0.0	17.4	..	11.0	09	2	..	20.6	16.6	..	0	2	0	0	0	0	0	0	0	0
PONDICHERRY	28.8	..	30.2	26	21.7	..	19.0	01	6.6	8.6	..	8.6	09	1	..	16.2	15.3	..	0	1	0	0	0	0	0	0	0	0
PORTNOVO																												
TUTICORIN H.P.																												
COASTAL MYSORE																												
KARWAR	30.9	+0.1	37.4	10	..	..	..	..	0.0	0.0	- 0.7	0.0	..	0	- 0.1	7.2	6.4	..	0	0	0	0	0	0	0	0	0	0
HONAVAR	31.7	+0.4	37.3	10	21.3	+0.8	19.6	02	0.0	0.0	- 0.3	0.0	..	0	0.0	..	..	..	0	0	0	0	0	0	0	0	0	0
MANGALORE(BAJPE)	32.9	+0.1	36.5	11	22.2	+0.4	20.2	02	0.0	0.0	0.8	0.0	..	0	0.0	10.7	6.1	-1.6	0	0	0	0	0	0	0	0	0	0
MANGALORE	31.0	-0.1	35.6	11	23.2	+0.4	21.4	01	0.0	0.0	- 2.5	0.0	..	0	- 0.2	12.0	9.2	+0.4	0	0	0	0	0	0	0	0	0	0
MANGALORE H.P.																												
INTERIOR MYSORE NORTH																												
BIDAR	33.1	+2.0	35.8	23	19.5	+0.8	15.8	06	0.0	0.0	- 9.4	0.0	..	0	- 0.8	16.2	11.4	+0.8	0	0	0	0	0	0	0	0	0	0
GULBARGA	35.2	+1.8	38.4	23	19.0	+0.5	15.0	01	0.0	0.0	- 7.1	0.0	..	0	- 0.5	10.9	7.5	-2.4	0	0	0	0	0	0	0	0	0	0
BIJAPUR	35.0	+2.1	37.4	22	19.5	+1.4	17.3	04	0.0	0.0	- 2.3	0.0	..	0	- 0.2	4.9	3.8	-1.6	0	0	0	0	0	0	0	0	0	0
RAICHUR	33.4	+0.2	38.0	22	21.0	+0.5	17.5	03	0.0	0.0	- 7.1	0.0	..	0	- 0.5	10.1	10.3	+0.9	0	0	0	0	0	0	0	0	0	0
BELGAUM	34.3	+2.1	36.9	23	15.6	+0.5	13.6	01	0.0	0.0	- 1.3	0.0	..	0	- 0.1	9.9	3.6	-3.0	0	0	0	0	0	0	0	0	0	0
BELGAUM(SAMRA)	34.6	+3.1	35.3	23	16.1	0.0	10.6	02	0.0	0.0	- 2.0	0.0	..	0	- 0.2	9.9	6.1	-5.8	0	0	0	0	0	0	0	0	0	0
GADAG	34.2	+1.2	37.2	23	19.2	+0.6	15.7	03	0.0	0.0	- 2.5	0.0	..	0	- 0.3	8.2	6.1	-1.0	0	0	0	0	0	0	0	0	0	0
BIDAR A.F.																												
INTERIOR MYSORE, SOUTH																												
BELLARY	35.6	+2.3	38.6	22	19.6	-0.3	16.0	03	0.0	0.0	- 6.1	0.0	..	0	- 0.4	8.2	5.3	+0.1	0	0	0	0	0	0	0	0	0	0
CHITRADURGA	33.0	+1.0	35.4	21	19.6	+0.4	15.8	04	0.0	0.0	- 5.1	0.0	..	0	- 0.3	7.9	5.6	-1.3	0	0	0	0	0	0	0	0	0	0
SHIMOGA	..	..	..	..	..	..	..	..	0.0	0.0	- 0.2	0.0	..	0	0.0	2.9	2.9	-1.4	0	0	0	0	0	0	12	0	0	0
AGUMBE	29.7	..	32.2	11	14.2	..	6.0	03	0.0	0.0	..	0.0	..	0	..	13.4	4.2	..	0	0	0	0	0	6	0	0	0	0
BALEHONNUR	32.5	+3.2	34.7	27	16.3	+0.5	14.3	06	0.0	0.0	- 2.8	0.0	..	0	- 0.2	..	..	..	0	0	0	0	0	5	0	0	0	0
HASSAN	28.5	-2.0	32.2	25	14.6	-1.5	10.6	02	0.0	0.0	- 7.6	0.0	..	0	- 0.5	7.6	6.2	+0.5	0	0	0	0	0	0	0	0	0	0
BANGALORE	30.7	+1.0	34.5	23	16.7	+0.2	13.5	01	0.0	0.0	- 8.9	0.0	..	0	- 0.5	10.7	9.7	0.0	0	0	0	0	0	0	0	0	0	0
BANGALORE AERODROME	30.7	+0.1	33.1	24	15.4	-1.0	11.4	05	0.0	0.0	- 15.0	0.0	..	0	- 0.7	12.4	9.2	..	0	0	0	0	0	0	0	0	0	0
MYSORE	30.7	-0.5	33.0	22	18.4	+0.2	15.0	02	0.0	0.0	- 6.6	0.0	..	0	- 0.4	12.8	8.4	-0.7	0	0	0	0	0	0	0	0	0	0
YALANKA A.F.	R																											
KERALA																												
CALICUT	32.6	+0.7	33.4	10	23.6	+0.5	21.3	01	0.0	0.0	- 8.4	0.0	..	0	- 0.3	10.9	6.8	-4.6	0	0	0	0	0	0	0	0	0	0
PALGHAT	34.7	-1.0	38.4	26	24.9	+1.9	19.4	01	0.0	0.0	- 9.1	0.0	..	0	- 0.7	11.2	8.2	-1.1	0	0	0	0	0	0	0	0	0	0
FORT COCHIN	31.7	+1.0	32.6	11	23.7	-0.6	21.8	02	0.0	17.8	- 7.6	17.8	17	1	- 0.4	13.0	9.8	+0.5	0	1	0	0	1	0	0	0	0	0
COCHIN(NAVAL AIR STATION)	32.0	..	33.3	08	23.7	..	21.9	04	0.0	12.2	..	12.2	17	1	..	13.4	8.8	..	0	1	0	0	0	0	0	0	0	0
ALLEPPEY	32.9	+1.0	35.0	08	24.3	+0.7	22.1	02	0.0	11.8	- 31.9	11.8	19	1	- 1.5	16.2	10.7	0.0	0	1	0	0	1	0	0	0	0	0
PUNALUR	36.5	+1.8	38.8	23	20.6	-0.7	17.5	04	0.0	0.0	- 24.4	0.0	..	0	- 3.0	7.9	5.0	-0.2	0	0	0	0	0	0	0	0	0	0
TRIVANDRUM	32.1	+0.4	34.4	03	22.8	-0.1	21.2	05	2.2	13.2	- 7.6	9.6	19	1	- 0.3	8.3	5.8	-0.1	0	3	0	0	1	0	0	0	0	0
TRIVANDRUM AERODROME	31.4	+0.1	33.2	09	22.8	+0.3	21.0	05	..	12.3	- 22.0	12.0	07	1	- 0.9		5.4	-1.5	0	2	0	0	1	0	0	0	0	0
ARABIAN SEA ISLANDS																												
AMINI	31.2	-0.8	32.6	11	24.8	-0.1	23.6	24	0.0	0.0	- 2.0	0.0	..	0	- 0.3	10.2	9.5	+1.5	0	0	0	0	0	0	0	0	0	0
AGATTI	29.7	..	31.8	09	..	..	..	..	0.0	0.0	..	0.0	..	0	..	4.0	3.5	..	0	0	0	0	0	0	0	0	0	0
ANDROTH	31.8	..	33.0	09	25.2	..	23.2	01	0.0	0.0	..	0.0	..	0	..	4.8	4.0	..	0	0	0	0	0	0	0	0	0	0
MINICOY	31.1	+1.3	33.1	12	23.1	-0.4	21.4	01	14.3	16.5	- 5.8	14.3	15	1	- 0.3	6.5	3.7	-3.0	0	2	0	0	2	0	0	0	0	0
HILL STATIONS(EXCLUDING KASHMIR)																												
DALHOUSIE	13.4	-0.1	19.0	27	3.6	-0.5	0.3	03	0.0	148.1	- 19.5	32.4	01	8	+ 0.2	10.4	3.4	-0.5	0	8	0	0	0	0	0	0	0	0
DHARMASALA	17.6	+0.5	23.4	27	8.3	-0.5	2.3	05	10.4	78.2	- 14.1	23.8	14	5	+ 0.3	6.9	7.2	+2.6	1	8	0	0	0	0	0	0	0	0
BHUNTAR	17.4	..	23.5	27	3.5	..	- 1.6	06	19.9	87.1	..	36.0	17	7	..	6.7	5.6	..	0	10	0	1	4	0	0	0	0	0
SIMLA	11.1	+0.8	15.7	22	2.3	-0.8	- 4.3	01	15.7	45.1	- 25.0	15.7	17	4	- 1.6	6.2	5.1	+0.8	1	6	8	1	1	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - -FEBRUARY ,1968 (MAGHA 12 - PHALGUNA 9,1890 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean minimum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Maximum fall in 24 hours	Date	No. of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation: 0.1 & 0.2 mm.	0.3 mm. or more	Mist or haze	Fog	Thunder heard	Duststorm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	21	22	23	24	25	26	27	28
HILL STATIONS(EXCLUDING KASHMIR)																												
DHARMPUR	..	..	..	..	..	..	..	..	..	61.3	- 27.0	27.7	14	3	- 1.6	..	..	..	0	5	0	0	0	0	0	0	0	0
GHANGARIA (KANJALIA TOK)	5.6	+1.0	9.7	09	1.7	-8.2	- 5.3	03	..	68.0	-127.1	20.2	13	5	- 0.1	..	..	..	0	5	6	0	0	0	0	0	0	0
BADRINATH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
JOSHIMATH	14.2	+0.9	20.0	27	3.4	0.0	0.1	06	11.0	44.0	- 50.8	28.0	14	3	- 2.8	6.3	6.9	-0.3	0	3	0	0	0	0	0	0	0	0
MUSSOORIE	13.2	+1.3	16.8	10	5.0	+1.3	1.7	05	9.4	17.4	- 72.1	6.4	14	3	- 2.5	2.8	2.8	-4.9	0	3	0	0	1	0	0	0	0	0
MUKTESWAR(KUMAUN)	14.2	+2.8	17.8	22	3.5	+0.4	- 1.4	06	1.2	21.8	- 40.2	12.6	14	2	- 2.5	11.2	11.7	-0.6	0	5	2	0	2	0	0	0	0	0
NAINITAL	13.4	+0.3	17.0	22	4.2	+0.1	- 1.1	06	0.0	33.4	- 10.6	29.0	14	2	- 0.4	8.4	7.3	-0.6	0	3	0	0	0	0	0	0	0	0
KALIMPONG	17.6	+0.9	20.6	28	7.9	-1.2	1.4	01	0.0	4.2	- 19.4	4.2	14	1	- 1.4	8.8	6.6	-2.2	0	1	0	0	0	0	0	0	0	0
DARJEELING	12.4	+1.3	18.3	27	1.5	-2.8	- 1.6	02	1.0	9.8	- 25.9	4.8	14	1	- 1.7	2.6	2.2	-0.1	0	2	0	0	0	1	0	0	0	0
KOHIMA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SHILLONG(C.S.O.)	18.3	+1.2	26.0	16	7.7	+1.3	4.7	04	0.0	0.0	- 29.2	0.0	..	0	- 2.9	7.4	6.5	+2.6	0	0	0	0	0	1	0	0	0	0
CHERRAPUNJI	18.4	+1.5	22.0	27	11.8	+1.3	6.0	08	..	0.0	- 52.3	0.0	..	0	- 3.4	.	7.5	-1.8	0	0	0	0	0	0	0	0	0	0
ARU	22.0	+0.8	27.1	01	9.4	-2.1	4.4	05	0.0	0.0	- 6.9	0.0	..	0	- 0.7	4.6	3.2	-2.8	0	0	0	0	0	0	0	0	0	0
AIJAL	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
PACHMARHI	26.1	+1.4	29.4	26	11.1	+0.7	6.6	21	0.0	0.0	- 24.6	0.0	..	0	- 1.9	5.1	3.5	-0.7	0	0	0	0	1	0	0	3	0	0
MAHABALESHWAR	28.9	+2.8	32.4	26	14.4	-0.9	12.0	17	0.0	0.0	- 2.8	0.0	..	0	- 0.2	8.7	8.7	+0.7	0	0	0	0	0	0	0	0	0	0
MERCARA	28.8	+2.0	31.0	21	12.9	-2.2	10.8	03	0.0	0.0	- 7.6	0.0	..	0	- 0.6	10.3	8.5	+0.1	0	0	0	0	0	0	0	0	0	0
OOTACAMUND	22.5	+1.9	24.6	18	6.5	+0.2	3.0	24	0.6	2.2	- 10.7	1.6	09	0	- 1.0	4.7	2.3	-1.0	0	2	0	0	0	0	0	0	0	0
COONOOR	22.9	+2.1	25.0	22	6.7	-2.9	3.8	05	..	49.6	- 24.2	49.0	09	1	- 2.1	..	..	..	0	2	0	0	0	0	0	0	0	0
KODAIKANAL	19.0	+1.1	23.5	27	8.9	+0.2	6.9	10	18.0	25.9	- 13.5	13.4	10	2	- 0.2	13.8	14.4	+2.2	0	4	0	0	0	3	0	0	0	0
MANALI	11.3	..	17.0	27	0.6	..	- 1.5	05	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
NEPAL																												
KATMANDU	22.8	+2.1	26.9	28	2.8	-1.2	- 2.0	07	0.2	2.2	- 10.7	2.0	14	0	- 1.4	3.5	1.8	+0.3	1	1	0	0	0	3	0	0	0	0
SIKKIM																												
LACHEN	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
HYDROMETEOROLOGICAL OBSERVATORIES																												
DAMODAR CATCHMENT																												
TILAIYA	27.2	..	33.8	28	12.0	..	6.3	12	0.0	0.7	..	0.7	05	0	..	10.4	5.1	..	0	1	0	0	0	0	0	0	0	0
HAZARIBAGH	27.5	..	32.6	15	14.2	..	8.5	11	1.4	58.0	..	8.0	15	1	..	9.0	7.1	..	0	1	0	0	1	0	0	0	0	0
KONAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BOKARO	30.4	..	36.0	27	15.2	..	8.6	01	0.0	8.8	..	6.8	05	1	..	..	..	..	0	2	0	0	0	0	0	0	0	0
MAITHON	30.2	..	35.5	28	11.9	..	5.7	12	0.0	3.6	..	3.6	05	1	..	..	..	..	0	1	0	0	1	0	0	0	0	0
RAMGARH	29.4	..	33.4	18	9.1	..	3.4	10	0.0	9.4	..	8.8	05	1	..	..	..	..	0	2	0	0	0	0	0	0	0	0
PANCHET HILLS	29.4	..	34.0	28	15.0	..	10.7	10	24.4	12.5	..	12.5	05	1	..	5.3	3.5	..	0	1	0	0	0	0	0	0	0	0
DURGAPUR	29.6	..	35.0	28	14.0	..	9.8	11	0.0	9.8	..	9.8	05	1	..	14.6	12.2	..	0	1	0	0	0	0	0	0	0	0
MAHANADI CATCHMENT																												
GINABAHAR	31.1	..	34.1	26	11.3	..	5.5	11	0.0	0.6	..	0.6	27	0	..	..	..	..	0	1	0	0	1	0	0	0	0	0
HIRAKUD	32.5	..	36.0	26	17.6	..	11.9	01	0.0	0.0	..	0.0	..	0	..	.	3.0	..	0	0	0	0	0	0	0	0	0	0
BHIMKUND	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SONEPUR	33.1	..	36.5	26	18.1	..	13.1	10	..	4.0	..	4.0	08	1	..	.	3.4	..	0	1	0	0	0	0	0	0	0	0
KHIJRAWAN	33.0	..	39.9	28	15.4	..	11.6	25	0.0	0.0	..	0.0	..	0	..	8.1	5.4	..	0	0	0	0	0	0	0	0	0	0
NARMADA CATCHMENT																												
BAGRA TAWA	31.5	..	36.0	26	12.6	..	8.6	09	0.0	0.0	..	0.0	..	0	..	8.3	5.7	..	0	0	0	0	0	0	0	0	0	0
PUNASA	32.7	..	39.5	26	13.2	..	8.9	05	0.0	0.0	..	0.0	..	0	..	3.4	2.5	..	0	0	0	0	0	0	0	0	0	0
THIKRI	33.8	..	36.3	11	14.5	..	11.3	07	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
SABARMATI CATCHMENT																												
DAROI	30.9	..	33.2	25	15.5	..	9.6	01	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
JHAROL	30.6	..	31.0	11	6.5	..	3.0	06	0.0	2.1	..	2.1	14	0	..	..	..	..	0	1	0	0	0	0	0	0	0	0
GANDAK CATCHMENT																												
JAMOSOM	14.4	..	18.5	22	1.1	..	- 5.9	07	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
KHUDI BAZAR	21.9	..	26.7	28	9.5	..	5.9	07	0.0	8.6	..	7.4	14	1	..	..	..	..	0	2	0	0	0	0	0	0	0	0
TIMURE	18.5	..	23.1	28	5.7	..	2.6	05	0.0	1.6	..	1.6	14	0	..	..	..	..	0	1	0	0	0	0	0	0	0	0
POKHARA	22.4	..	27.5	28	9.6	..	6.7	09	0.0	7.3	..	7.0	14	1	..	7.0	6.2	..	0	2	0	0	1	0	0	0	0	0
GORKHA	21.7	..	26.6	28	9.4	..	6.9	08	0.0	1.6	..	1.5	14	0	..	..	..	..	1	1	0	0	1	0	0	0	0	0
NUWAKOT	23.4	..	27.6	28	11.3	..	9.0	07	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
MAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																												
DAILEKH	18.5	..	23.1	28	7.4	..	4.3	06	..	22.4	..	16.0	14	2	..	..	..	..	0	3	0	0	0	0	0	0	0	0
MAGHARA CATCHMENT																												
SALLYANA	19.7	..	24.2	28	9.4	..	5.4	06	3.0	8.7	..	5.2	14	2	..	..	..	..	0	3	0	0	0	0	0	0	0	0
SUTWAL	25.9	..	32.4	28	13.6	..	7.4	07	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - -FEBRUARY ,1969 MAGHA 12 - PHALGUNA 9,1890 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with									
	Mean minimum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Maximum fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Dew or frost	Hail	Thunder heard	Fog	Duststorm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
BAGHMATI CATCHMENT																												
KATMANDU	..	SEE UNDER NEPAL			..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	.	..
KOSI CATCHMENT																												
CHAUTARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	.	..
WALUNGCHUNG GOLA	7.0	..	11.6	22	1.5	..	- 5.1	01	0.0	6.6	..	6.6	14	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0
TAPLETHOK	20.7	..	25.1	28	8.6	..	5.0	02	0.0	5.0	..	5.0	14	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0
BHOJPUR	16.0	..	23.8	17	8.4	..	5.8	02	0.0	1.2	..	1.2	14	0	..	..	..	..	0	1	0	0	0	0	0	0	0	0
TAPLEJUNG	15.9	..	20.1	20	5.9	..	2.6	09	0.0	5.0	..	5.0	14	1	..	.	4.9	..	0	1	0	0	0	0	0	0	0	0
OKHALDHUNGA	17.0	..	21.0	28	6.3	..	3.1	09	0.0	2.1	..	2.1	14	0	..	.	3.5	..	0	1	0	0	0	0	0	0	0	0
CHAINPUR	..	..	..	..	9.5	..	7.9	13	0.0	5.0	..	5.0	14	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0
ANGBUNG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BARAHAKSHETRA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
TISTA CATCHMENT																												
GANGTOK	15.3	..	21.0	28	5.9	..	3.3	02	0.4	12.2	..	4.0	14	2	..	5.1	3.2	..	0	7	0	0	0	3	0	0	0	0
GEZING	18.4	..	24.1	28	7.5	..	5.0	01	0.0	4.1	..	2.8	14	1	..	..	..	..	0	3	0	0	0	0	0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – (FEBRUARY ,1969(MAGHA 12 - PHALGUNA 9,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAY ISLANDS																											
MAYA BANDAR	0830	28	1013.6	1010.4	-0.7	24.8	22.5	21.4	23.5	81	+ 4	1.6	-0.8	3.0	0	1	16	06	7	0	0	0	2	2	0	11	0
	1730	28	1010.6	1007.4	-0.5	26.8	23.1	21.3	25.5	72	- 4	2.4	-0.9	5.8	0	0	19	01	13	1	0	0	0	0	4	9	0
LONG ISLAND	0830	25	1013.3	1010.4	-0.4	25.8	22.6	21.0	24.9	75	- 5	2.7	-0.3	1.0	0	0	13	00	13	0	0	0	0	0	0	15	0
	1730		1010.8	1007.9	+0.1	26.6	22.6	20.4	24.1	69	- 7	2.9	-0.4	0.9	0	0	8	00	8	0	0	0	0	0	0	20	0
PORT BLAIR	0530	79	1011.5	1002.4	..	21.7	20.8	20.3	23.8	92	..	2.3	..	3.6	0	0	15	00	9	1	0	0	3	5	1	13	0
	0830	79	1013.5	1004.6	+0.1	27.1	23.2	21.2	25.3	71	+ 0	2.3	-1.1	6.6	0	0	22	07	10	1	0	0	1	1	2	6	0
	1130	79	1012.2	1003.3	..	29.6	24.1	21.3	25.5	62	..	2.5	..	27.8	1	1	27	05	19	4	0	0	1	0	0	0	0
	1430	79	1009.7	1000.9	..	29.6	23.9	21.0	25.0	60	..	3.0	..	9.9	0	1	27	02	17	8	1	0	0	0	0	0	0
	1730	79	1010.6	1001.7	+0.2	26.5	23.1	21.3	25.4	73	- 3	3.4	-0.5	8.6	0	0	21	03	14	3	0	0	0	0	1	7	0
	2030	79	1012.5	1003.5	..	24.7	22.4	21.2	25.3	81	..	1.6	..	5.6	0	1	19	02	10	1	0	0	0	2	5	8	0
	2330	79	1012.2	1003.2	..	23.5	22.0	21.2	25.2	87	..	1.9	..	5.1	0	0	16	02	7	1	0	0	3	1	2	12	0
CAR NICOBAR	0830	10	1012.1	1011.0	-0.5	28.2	24.6	22.7	27.9	73	+ 1	5.2	+1.4	3.0	0	0	24	00	23	1	0	0	0	0	0	4	0
	1730	10	1009.6	1008.5	-0.2	27.6	24.1	22.5	26.9	74	- 4	5.7	+1.6	1.6	0	0	14	00	13	1	0	0	0	0	0	14	0
NAN COWRY	0830	26	1012.5	1009.6	+0.2	27.9	25.0	23.6	29.3	78	+ 1	4.2	-0.7	3.1	0	0	20	00	6	7	4	1	0	0	2	8	0
	1730	26	1009.9	1007.0	+0.5	28.1	24.9	23.4	28.8	76	- 3	4.0	-0.8	1.4	0	0	7	00	2	4	1	0	0	0	0	21	0
KONDUL	0830	8	1012.9	1012.0	+0.7	28.2	25.2	23.8	29.7	78	- 2	5.1	+0.1	4.1	0	0	16	00	16	0	0	0	0	0	0	12	0
	1730	8	1010.6	1009.6	+1.3	27.6	25.0	23.8	29.5	80	- 3	5.0	+0.0	3.3	0	0	14	00	14	0	0	0	0	0	0	14	0
HUT BAY/LITTLE ANDAMAN	0830		1013.7	1012.9	..	26.9	24.1	22.7	27.7	79	..	4.0	..	9.1	0	3	21	06	17	0	0	0	0	0	1	4	0
	1730		1010.5	1010.1	..	26.7	23.8	22.3	27.0	77	..	3.9	..	11.3	0	1	26	01	21	0	1	0	0	0	4	1	0
NORTH ASSAM(INCLUDING NEFA)																											
PASIGHAT	0830	197	1015.8	997.4	+0.2	17.2	13.9	11.1	13.3	68	- 3	5.3	-0.1	19.5	0	17	11	01	0	0	0	0	0	0	27	0	0
	1730	157	1011.9	993.7	-0.2	18.4	15.2	12.6	14.7	70	- 5	5.8	+0.2	9.9	0	6	15	00	0	0	0	0	0	0	21	7	0
DIBRUGARH(MOHANBARI)	0230	111	1013.1	1000.0	..	14.3	13.3	12.5	14.5	88	..	5.4	..	1.5	0	0	5	00	2	2	0	0	0	0	1	23	0
	0530	111	1013.5	1000.4	..	13.2	12.5	12.0	14.2	92	..	5.0	..	2.2	0	0	10	01	5	3	1	0	0	0	0	18	0
	0830	111	1015.7	1002.7	+0.2	17.1	15.0	13.3	15.8	79	+ 0	4.6	+0.0	5.4	0	0	23	01	15	3	1	0	0	1	0	3	0
	1130	111	1013.9	1001.2	..	22.2	16.6	12.3	14.5	54	..	4.0	..	6.6	0	0	25	04	15	4	1	0	0	0	1	3	0
	1430	111	1010.8	998.2	..	23.6	16.9	11.6	13.8	49	..	4.1	..	5.5	0	0	28	05	18	4	0	0	0	0	1	0	0
	1730	111	1011.4	998.5	-0.1	19.9	16.1	13.2	15.3	66	- 6	5.3	+0.6	2.1	0	0	11	01	9	1	0	0	0	0	0	17	0
	2030	111	1013.1	1000.1	..	16.6	14.6	13.0	15.0	79	..	4.8	..	2.9	0	0	14	01	12	1	0	0	0	0	0	14	0
	2330	111	1013.6	1000.5	..	15.4	14.0	13.0	15.0	86	..	5.4	..	1.4	0	0	7	00	5	1	1	0	0	0	0	21	0
DIGBOI	0830	152	1016.0	998.1	-0.1	17.1	15.0	13.3	15.4	79	- 6	3.8	-1.1	3.2	0	0	28	07	5	2	1	9	0	2	2	0	0
	1730	152	1011.7	994.2	+0.1	20.7	17.2	14.8	16.9	70	+ 5	1.8	-2.1	2.0	0	0	19	07	4	4	2	0	0	0	2	9	0
NORTH LAKHIMPUR	0830	102	1015.8	1003.8	+0.6	17.7	15.2	13.4	15.3	76	- 3	4.0	-0.2	4.1	0	0	22	06	13	1	1	0	1	0	0	6	0
	1130	102	1014.2	1002.4	..	22.5	16.9	12.7	14.8	55	..	3.5	..	29.6	1	13	11	02	6	8	3	2	1	0	0	3	3
	1430	102	1011.1	999.4	..	23.6	16.9	11.5	13.6	48	..	4.0	..	7.4	0	0	27	07	5	9	2	2	4	0	0	1	2
	1730	102	1011.4	999.6	+0.0	20.0	16.5	13.9	16.0	69	-11	4.3	-0.4	2.7	0	0	14	09	4	0	0	0	0	0	1	14	0
	2030	102	1013.3	1001.3	..	16.3	14.7	13.5	15.5	84	..	3.2	..	1.3	0	0	7	03	2	0	0	1	1	0	0	21	0
SIBSAGAR	0830	97	(R)																								
	1730	97	(R)																								
GOHPUR	0830	83	1015.7	1006.0	..	18.1	15.7	13.9	16.2	77	- 6	4.5	..	1.6	0	0	16	00	1	14	0	0	0	1	0	12	0
	1730	83	1010.6	1001.1	..	20.8	17.2	14.6	16.4	69	- 4	4.3	..	1.0	0	0	12	00	0	12	0	0	0	0	0	16	0
MAJBAT	0830	120	1015.3	1001.0	+0.6	19.2	15.9	16.0	17.4	90	..	1.5	-2.0	1.7	0	0	12	00	4	0	8	0	0	0	0	16	0
	1730	120	1011.0	997.1	+0.3	22.8	21.2	20.2	23.4	85	..	1.9	-1.4	0.9	0	0	5	00	1	0	1	0	3	0	0	23	0
JORHAT AERODROME	0530	90	1013.4	1002.5	..	12.4	11.9	11.5	13.6	94	..	3.5	..	0.3	0	0	1	00	1	0	0	0	0	0	0	27	0
	0830	90	1015.4	1004.6	..	17.9	15.2	13.2	15.1	75	..	2.7	..	3.4	0	0	13	03	8	2	0	0	0	0	0	15	0
	1130	90	1013.5	1003.0	..	23.9	19.8	13.5	15.5	54	..	1.8	..	10.8	0	7	15	03	15	0	0	0	1	2	1	6	0
	4730	90	1011.0	1000.4	..	20.2	16.5	13.6	15.8	67	..	2.5	..	5.4	0	1	13	03	10	0	0	0	0	1	0	14	0
	2330	90	1013.1	1002.3	..	16.0	14.4	13.1	15.0	83	..	2.8	..	1.4	0	0	6	00	6	0	0	0	0	0	0	22	0
TANGLA	0830	78	1012.3	1004.7	-1.3	18.5	15.2	12.7	14.6	70	- 2	0.4	-1.7	1.1	0	0	8	00	0	6	0	1	0	1	0	20	0
	1730	78	1007.5	1000.1	-2.1	23.0	18.6	15.6	17.7	64	- 3	0.3	-1.8	0.7	0	0	4	00	0	0	0	0	0	4	0	24	0
TEZPUR	0830	79	1015.5	1006.3	-0.5	17.8	15.0	12.8	14.8	73	- 4	1.6	-1.4	3.1	0	0	22	01	13	1	1	0	6	0	0	6	0
	1730	79	1010.6	1001.6	-0.8	23.8	17.4	12.4	14.5	51	-12	1.7	-0.9	2.6	0	0	14	00	9	0	1	0	3	0	1	14	0
GOLAGHAT	0830	95	1015.0	1003.7	-0.2	16.0	13.9	12.2	14.4	80	+ 0	0.9	-2.8	0.4	0	0	11	00	3	0	1	2	5	0	0	17	0
	1730	95	1009.7	998.9	-0.9	25.0	16.8	10.0	12.5	42	-22	1.3	-2.3	0.0	0	0	1	00	1	0	0	0	0	0	0	23	0
RANGIA	0830	60	1016.2	1009.2	..	19.8	15.9	13.0	14.9	65	-10	0.6	..	4.8	0	0	23	00	1	19	1	0	0	2	0	5	0
	1730	60	1011.2	1004.3	..	23.1	17.8	13.9	16.1	58	- 4	0.8	..	0.6	0	0	4	01	1	1	0	0	0	1	0	22	0
CHAPARMUKH	0830	66	1016.6	1008.9	+0.6	18.0	14.9	12.4	14.4	70	- 1	0.8	-1.4	4.2	0	0	19	00	2	5	1	1	0	0	0	3	0
	1730	66	1012.5	1005.0	+1.4	23.3	17.4	13.1	15.1	55	- 6	1.3	-1.7	1.7	0	0	6	00	0	0	2	0	0	1	3	12	0
GOALPARA	0830	38	1014.0	1009.5	+0.0	17.9	14.9	12.5	14.5	72	- 4	0.5	-1.4	1.4	0	0	12	02	1	4	0	0	0	4	1	16	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - -FEBRUARY .1969(MAGHA 12 - PHALGUNA 9,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mb.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry bulb	Wet bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind speed (Kn. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NORTH ASSAM (INCLUDING NEFA) (CONTD.)																											
GOALPARA	1730	38	1010.3	1005.9	-0.2	24.5	19.4	15.8	18.4	60	+ 7	0.2	-1.2	1.9	0	0	16	04	1	1	1	1	0	8	0	11	0
GAUHATI(BHORJUR)	0230	54	1012.3	1005.8	..	12.9	11.9	10.9	13.2	88	..	0.6	..	2.0	0	0	8	01	0	0	0	3	4	0	0	20	0
	0530	54	1012.9	1006.4	..	11.5	10.8	10.0	12.4	91	..	1.2	..	1.4	0	0	5	00	1	1	0	1	2	0	0	23	0
	0830	54	1015.1	1008.7	+0.0	17.5	14.3	11.6	13.8	70	- 3	0.9	-0.9	2.9	0	0	12	01	5	1	1	2	0	1	0	16	1
	1130	54	1013.3	1007.2	..	24.6	16.7	10.1	12.6	41	..	0.8	..	6.4	0	0	21	05	6	0	0	0	2	3	5	7	0
	1430	54	1009.9	1003.8	..	26.5	16.7	8.3	11.0	32	..	1.1	..	10.1	0	3	23	02	5	0	0	1	1	8	9	2	0
	1730	54	1010.4	1004.2	-0.4	23.5	16.4	10.6	12.9	45	-13	2.3	-0.5	2.2	0	0	10	00	1	0	0	0	1	4	4	18	0
	2030	54	1012.7	1006.3	..	17.4	14.4	12.0	14.1	72	..	1.6	..	4.5	0	0	16	00	1	1	0	7	7	0	0	12	0
	2330	54	1013.0	1006.6	..	15.2	13.2	11.6	13.7	80	..	1.2	..	5.3	0	0	14	00	2	1	1	6	4	0	0	14	0
DHUBRI(RUPSI)	0530	45	1012.6	1007.1	..	9.8	9.3	8.7	12.3	93	..	1.4	..	3.9	0	0	23	02	14	3	0	1	3	0	0	5	0
	0830	45	1014.5	1009.2	+0.2	18.9	14.8	11.3	13.4	63	- 9	0.9	-1.0	6.5	0	0	25	00	6	11	1	1	5	1	0	3	0
	1130	45	1013.4	1008.3	..	24.4	16.6	10.2	12.4	43	..	0.5	..	8.2	0	0	28	01	6	6	3	2	5	3	2	0	0
	1730	45	1010.2	1005.0	-0.2	21.6	16.3	12.5	14.5	56	-11	1.1	-0.5	1.7	0	0	9	00	1	0	0	0	0	5	3	19	0
DHUBRI	0830	35	..	..	..	17.5	14.8	12.9	14.7	74	- 2	0.4	-1.5	2.9	0	0	18	00	8	3	1	1	4	0	1	10	0
	1730	35	..	..	..	23.7	16.6	11.1	13.1	46	- 9	0.3	-1.6	0.1	0	0	2	00	0	1	0	0	1	0	0	26	0
LUMDING	0830	149	1015.6	998.1	..	15.6	12.6	9.8	12.2	69	- 7	0.4	..	0.4	0	0	5	00	0	5	0	0	0	0	0	23	0
	1730	149	1009.9	993.1	..	26.5	16.5	7.7	11.1	33	..	1.9	..	1.3	0	0	13	00	0	2	1	1	2	1	6	15	0
BOMDILLA	0830		..	..	..	3.1	1.9	0.2	6.2	81	..	6.5	..	3.3	0	0	27	00	1	2	5	4	9	5	1	1	0
	1730		..	..	..	2.9	1.8	0.1	6.1	82	..	8.0	..	2.1	0	0	28	00	4	2	6	9	6	0	1	0	0
TAWANG	0830		..	..	..	10.7	10.3	10.0	12.5	96	..	3.5	..	1.8	0	0	20	00	0	6	0	12	0	2	0	8	0
	1730		..	..	..	8.8	8.4	8.2	10.9	96	..	3.4	..	1.4	0	0	15	00	0	3	0	11	0	1	0	13	0
TEZU	0830		..	..	..	16.1	14.5	13.4	15.4	84	..	5.9	..	0.4	0	0	5	00	0	0	0	0	0	0	0	23	5
	1730		..	..	..	18.8	16.3	14.5	16.5	77	..	4.1	..	0.4	0	0	5	01	1	0	0	0	0	0	0	23	3
ALONG	0830		..	..	..	14.2	13.3	12.5	14.5	90	..	6.1	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	17.2	15.2	13.8	15.8	81	..	5.6	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ZIRO	0830		..	..	..	7.8	6.8	5.7	9.1	87	..	4.4	..	1.1	0	0	7	01	5	0	0	0	1	0	0	21	0
	1730		..	..	..	10.9	8.9	7.1	10.1	79	..	6.0	..	2.1	0	0	11	00	0	0	0	2	4	1	4	17	0
KHONSA	0830		..	..	..	17.2	12.9	9.2	11.6	61	..	4.2	..	1.8	0	0	20	03	5	4	0	1	3	0	4	6	0
	1730		..	..	..	16.8	13.1	10.0	12.3	65	..	4.5	..	1.7	0	0	18	00	4	2	1	2	3	2	4	6	0
SOUTH ASSAM(INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
TURA	0830	370	1015.6	972.8	+0.0	17.1	13.3	9.5	11.9	62	- 8	2.6	+0.6	3.7	0	0	26	00	3	18	3	0	1	0	1	2	0
	1730	370	1010.9	969.2	-0.2	23.6	15.0	7.9	10.1	36	-26	2.2	+0.1	3.6	0	0	25	01	0	1	2	6	13	2	0	3	0
HAFLONG	0830	682	1017.2	940.2	+3.1	18.4	13.8	10.1	12.2	59	- 5	0.8	-1.5	3.1	0	0	28	03	0	0	20	0	4	0	1	0	0
	1730	682	1011.4	935.3	+1.5	20.5	14.0	8.8	10.7	47	- 9	1.2	-1.5	3.6	0	0	28	02	0	0	0	3	21	0	2	0	0
SILCHAR(KUMBHIRGRAM)	0530	97	1012.0	1000.6	..	13.7	11.5	9.5	11.8	76	..	1.2	..	10.3	0	0	28	00	1	27	0	0	0	0	0	0	0
	0830	97	1014.3	1003.0	+0.1	18.0	14.1	10.7	12.9	63	-10	1.5	-1.0	12.3	0	0	28	00	0	27	1	0	0	0	0	0	0
	1130	97	1012.6	1001.5	..	24.6	16.5	9.7	12.3	40	..	1.2	..	8.8	0	0	28	01	2	14	2	1	4	3	0	0	1
	1730	97	1009.5	998.5	-0.4	23.8	16.5	10.6	12.9	44	-11	1.6	-0.5	2.9	0	0	15	00	2	1	1	0	1	8	2	13	0
SILCHAR	0830	29	1015.4	1011.9	-0.3	18.2	14.8	12.3	14.4	71	- 6	1.3	-1.0	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	29	1010.5	1007.1	-1.0	24.8	17.5	11.8	14.0	45	-11	1.2	-0.7	..	.	..	..	..	..	..	..	..	..	..	..	..	..
IMPHAL(TULIHAL)	0530	781	1017.2	926.4	..	7.3	6.3	5.2	8.8	87	..	1.5	..	0.8	0	0	2	00	1	0	0	0	0	0	1	26	0
	0830	781	1016.9	928.3	+0.0	14.8	10.4	6.2	9.5	58	-12	1.6	-0.9	1.2	0	0	3	00	0	0	0	1	1	0	1	25	0
	1130	781	1013.0	926.8	..	22.0	13.3	5.1	9.0	34	..	1.4	..	8.5	0	2	15	00	1	0	0	1	5	6	4	11	0
	1430	781	1009.8	924.2	..	23.5	13.2	3.4	7.7	27	..	1.6	..	12.4	0	3	20	00	0	1	0	0	1	10	11	5	0
	1730	781	1011.5	924.5	+1.7	18.9	11.8	4.7	8.7	40	-12	1.7	-0.8	6.9	0	0	19	00	0	0	0	0	2	9	8	9	0
	2030	781	1014.6	926.2	..	14.7	10.4	6.1	9.5	58	..	1.4	..	1.6	0	0	5	01	0	0	0	0	0	1	3	23	0
	2330	781	1016.1	926.6	..	11.5	8.8	6.1	9.4	71	..	1.2	..	0.9	0	0	2	00	0	0	0	0	0	0	2	26	0
KAILASHAHAR	0530	29	1013.9	1010.4	..	12.4	12.1	11.8	13.9	95	..	1.2	..	1.2	0	0	11	00	0	0	1	5	4	0	1	17	0
	0830	29	1015.9	1012.5	+0.4	18.6	15.5	13.1	15.1	71	- 4	0.7	-1.6	3.7	0	0	21	00	1	0	5	12	1	0	1	7	1
	1130	29	1014.5	1011.2	..	26.1	17.5	10.4	13.0	39	..	1.4	..	7.9	0	0	27	05	2	1	3	3	3	5	5	1	0
	1730	29	1011.6	1008.3	+0.0	23.7	18.1	14.0	16.3	56	+ 1	1.6	-0.4	3.1	0	0	18	03	1	1	0	1	2	2	8	10	0
AGARTALA	0230	16	1011.5	1009.7	..	14.7	13.2	11.8	13.9	83	..	0.7	..	2.2	0	0	12	01	2	1	5	2	0	0	1	16	0
	0530	16	1012.0	1010.2	..	13.5	12.5	11.5	13.7	87	..	1.6	..	3.5	0	0	16	00	1	2	5	6	0	1	1	12	0
	0830	16	1014.3	1012.5	+0.3	21.1	16.5	12.7	15.1	60	-10	2.4	+0.1	6.5	0	1	22	02	2	3	3	8	2	1	2	5	0
	1130	16	1013.1	1011.3	..	27.1	17.9	10.0	13.0	37	..	1.6	..	11.0	0	0	27	05	0	0	2	1	7	7	5	1	0
	1430	16	1010.3	1008.5	..	28.8	17.8	8.4	11.5	29	..	2.1	..	13.5	0	2	26	03	1	0	1	0	5	13	5	0	0
	1730	16	1010.2	1008.4	-0.2	25.0	17.3	11.2	13.6	43	- 6	1.6	-0.4	6.4	0	0	27	05	4	0	0	1	7	6	4	1	0
	2030	16	1012.0	1010.2	..	19.4	15.6	12.5	14.5	65	..	0.6	..	3.3	0	0	15	00	4	0	3	5	1	2	0	13	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - -FEBRUARY ,1969(MAGHA 12 - PHALGUNA 9,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metre.	Mean pressure in mbs. At mean sea level or lst. in spm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA (CONTD.)																											
AGARTALA	2330	16	1012.4	1010.5	..	16.6	14.2	12.2	14.3	75	..	0.9	..	3.6	0	1	12	01	1	1	3	5	0	1	1	15	0
TUENSANG	0830		(R)																								
	1730		(R)																								
MOKOKCHUNG	0830		..	..	..	18.0	14.7	12.0	14.0	69	..	0.4	..	18.4	1	4	22	04	1	1	1	8	7	3	2	1	0
	1730		..	..	..	18.0	14.9	12.3	14.3	71	..	0.5	..	26.8	4	8	16	07	3	1	5	1	6	0	5	0	0
SUB-HIMALAYAN WEST BENGAL																											
BAGHDOGRA	0230	131	1012.3	996.8	..	14.0	12.2	10.5	12.8	80	..	1.5	..	1.1	0	0	3	01	1	0	0	0	1	0	0	25	0
	0530	131	1012.8	997.1	..	11.0	10.1	9.1	11.6	88	..	1.9	..	3.4	0	0	10	04	1	1	0	0	1	2	1	18	0
	0830	131	1014.7	999.4	+0.5	18.8	15.1	11.9	14.2	66	- 5	1.4	-0.4	6.0	0	0	17	03	8	5	0	0	0	1	0	11	0
	1130	131	1013.8	998.8	..	24.8	17.4	11.6	13.6	45	..	1.3	..	13.4	0	1	26	00	2	8	13	4	0	0	0	1	0
	1430	131	1010.1	995.3	..	26.4	18.1	11.9	14.0	42	..	2.4	..	11.1	0	0	28	00	0	3	8	7	7	2	0	0	1
	1730	131	1010.1	995.1	-0.2	22.5	17.7	14.1	16.4	59	+ 2	3.4	+0.5	7.0	0	1	17	00	1	1	0	2	13	1	0	10	0
	2030	131	1012.3	997.0	..	19.2	15.6	12.7	14.6	66	..	1.7	..	3.6	0	1	9	02	1	0	1	0	4	1	1	18	0
	2330	131	1012.8	997.4	..	16.8	14.0	11.7	13.7	72	..	1.2	..	1.4	0	0	4	02	0	0	0	0	0	2	0	24	0
JALPAIGURI	0830	83	1014.9	1005.2	+0.0	16.2	14.1	12.4	14.2	78	- 4	1.0	-0.9	3.3	0	0	25	15	4	2	1	0	1	1	1	3	0
	1730	83	1010.2	1000.8	-0.6	23.4	17.5	13.1	15.2	53	+ 3	0.5	-1.6	2.1	0	0	13	00	1	0	2	0	6	2	2	15	0
COOCH BEHAR AERODROME	0830	43	1015.1	1010.1	+0.9	17.6	14.2	11.4	13.6	68	- 2	1.0	-0.5	7.9	0	0	26	01	2	18	0	3	0	2	0	2	0
	1130	43	1013.9	1009.0	..	23.8	16.6	10.8	13.1	45	..	0.9	..	11.9	0	2	26	01	0	6	2	7	3	0	0	0	9
	1730	43	1010.6	1005.8	+0.6	22.7	16.9	12.6	14.7	54	- 3	1.0	-0.4	1.1	0	0	3	00	0	0	0	0	0	3	0	25	0
BALURGHAT	0830		(R)																								
	1730		(R)																								
MALDA	0830	31	1015.0	1011.3	+0.0	19.6	14.2	9.2	11.9	53	-12	0.9	-0.8	1.6	0	0	16	02	1	0	1	1	4	5	2	12	0
	1730	31	1010.6	1007.0	-0.6	25.6	16.4	8.3	10.9	35	-10	1.6	+0.0	1.5	0	0	18	02	0	0	0	0	0	7	9	10	0
GANGETIC WEST BENGAL																											
BERHAMPORE	0830	19	1014.8	1012.7	+0.1	19.6	15.0	11.1	13.6	59	- 8	1.4	-0.5	1.3	0	0	16	00	0	1	0	6	0	9	0	12	0
	1730	19	1010.7	1008.7	+0.0	25.9	18.0	11.8	15.1	43	- 1	1.8	-0.1	0.6	0	0	7	00	0	0	0	1	1	4	1	21	0
SURI	0830		..	..	..	23.6	15.1	7.0	10.4	37	-17	0.3	-1.4	4.9	0	0	28	12	1	2	0	10	0	2	1		0
ASANSOL	0230	126	1012.6	997.8	..	14.8	12.2	9.8	12.2	73	..	0.4	..	1.6	0	1	6	01	1	0	0	0	1	2	2	[illegible]	0
	0530	126	1013.2	998.2	..	13.7	11.7	9.8	12.1	78	..	1.5	..	1.3	0	1	4	02	1	0	0	0	0	0	2	23	0
	0830	126	1015.1	1000.4	+0.2	20.3	14.6	9.4	12.0	51	-11	1.3	-0.5	4.0	0	2	16	01	0	0	1	1	3	5	7	10	0
	1130	126	1014.1	999.8	..	27.4	17.2	8.2	11.4	32	..	1.8	..	7.6	0	2	22	01	1	3	2	0	0	2	15	4	0
	1430	126	1010.7	996.6	..	29.8	18.0	7.9	11.1	27	..	2.0	..	7.1	0	1	27	05	2	1	1	1	4	3	11	0	0
	1730	126	1010.6	996.4	+0.1	26.4	17.5	10.3	12.9	38	- 1	2.2	+0.3	2.9	0	0	13	01	2	1	0	0	0	2	7	15	0
	2030	126	1012.7	998.1	..	19.8	15.1	11.1	13.4	58	..	1.4	..	2.3	0	0	11	02	0	1	1	2	2	1	2	17	0
	2330	126	1013.4	998.6	..	17.2	13.8	10.8	13.0	67	..	1.1	..	1.1	0	0	6	02	0	0	0	0	1	2	1	22	0
SHANTI NIKETAN	0830	59	1015.4	1008.5	..	20.3	14.6	9.0	12.0	52	..	1.9	..	3.5	0	1	17	03	3	2	0	2	1	4	3	10	0
	1130	59	1014.8	1008.0	..	26.8	16.5	6.8	10.4	31	..	1.8	..	6.4	0	1	23	03	3	2	1	1	2	7	5	4	0
	1730	59	1011.1	1004.4	..	26.5	16.9	8.1	11.5	34	..	1.7	..	3.4	0	0	15	02	2	1	0	0	2	3	5	13	0
KRISHNANAGAR	0830	15	1015.1	1013.4	+0.2	21.3	16.8	13.2	15.5	62	- 7	0.9	-1.1	0.5	0	0	3	00	0	0	0	2	0	1	0	25	0
	1730	15	1012.2	1010.6	+1.1	27.1	19.7	14.4	16.9	47	- 2	0.8	-1.0	0.1	0	0	1	01	0	0	0	0	0	0	0	27	0
PURULIA	0830	255	1015.7	986.3	+0.2	19.9	14.9	10.4	12.9	55	+ 7	2.2	+1.0	3.9	0	0	24	04	0	0	0	0	6	3	11	4	0
	1730	255	1011.0	982.3	+0.6	27.6	18.9	12.7	14.8	41	+ 6	2.2	+0.5	3.1	0	0	19	04	2	2	1	0	2	3	5	9	0
BANKURA	0830	100	1014.6	1003.0	..	19.8	14.5	9.6	11.9	54	..	1.0	..	0.6	0	0	5	00	1	0	0	1	0	0	2	23	1
	1730	100	1010.8	999.5	..	27.5	18.3	11.0	12.7	38	..	0.9	..	0.5	0	0	5	00	0	1	0	0	1	0	1	23	2
BURDWAN	0830	32	1014.5	1010.8	-0.4	22.0	16.4	11.4	14.0	55	-10	0.5	-1.4	5.7	0	0	27	04	0	3	2	0	3	13	2	0	0
	1730	32	1010.8	1007.3	-0.2	26.[illegible]	19.1	12.0	15.0	39	- 5	0.6	-1.1	5.1	0	1	20	01	0	1	2	0	0	13	3	4	1
CALCUTTA (DUM DUM)	0230	6	1011.8	1011.2	..	18.3	17.2	16.5	18.8	90	..	2.3	..	3.7	0	0	14	02	1	0	0	2	5	1	3	14	0
	0530	6	1012.4	1011.7	..	17.4	16.5	15.8	18.1	89	..	3.2	..	3.3	0	0	15	06	3	0	0	1	1	3	1	13	0
	0830	6	1014.8	1014.1	+0.0	21.3	18.0	15.5	17.9	73	+ 1	2.3	+0.0	4.7	0	0	17	04	5	1	1	2	1	2	1	11	0
	1130	6	1013.8	1013.1	..	27.3	19.1	12.7	15.5	43	..	1.8	..	8.4	0	0	26	04	2	0	2	2	3	5	8	2	0
	1430	6	1010.7	1010.0	..	29.8	19.6	12.2	14.7	36	..	1.5	..	9.5	0	0	28	04	1	1	0	1	4	7	10	0	0
	1730	6	1010.6	1009.9	-0.6	27.7	19.8	14.2	16.4	45	- 4	1.6	-0.4	4.1	0	0	16	02	1	1	0	1	4	4	3	12	0
	2030	6	1012.6	1011.9	..	21.1	17.8	15.5	17.7	71	..	0.7	..	5.1	0	0	18	03	1	0	3	5	5	1	0	10	0
	2330	6	1012.8	1012.1	..	19.1	17.2	15.9	18.1	82	..	0.8	..	4.3	0	1	13	01	0	0	0	7	5	1	0	14	0
CALCUTTA	0830	6	1014.9	1014.1	+0.0	23.[illegible]	18.6	15.1	17.9	65	-10	2.9	+0.8	6.6	0	1	25	04	3	1	1	1	6	4	6	2	0
	1130	6	1013.8	1013.1	..	28.[illegible]	19.4	12.4	15.2	40	..	2.3	..	6.9	0	0	25	04	1	1	0	1	4	6	8	3	0
	1730	6	1010.8	1010.1	-0.2	27.[illegible]	19.2	13.1	15.5	43	- 5	1.6	-0.1	2.9	0	0	17	01	0	1	1	2	4	5	3	11	0
MIDNAPORE	0830	45	1014.9	1009.6	-0.1	22.[illegible]	16.9	11.9	14.6	55	- 8	0.8	-1.0	3.1	0	0	24	08	4	3	0	1	2	5	1	4	0
	1730	45	1010.6	1005.5	-0.2	28.[illegible]	17.9	8.5	11.6	30	-11	1.2	-0.6	2.4	0	0	18	06	7	1	1	1	2	0	0	10	0
CONTAI	0830	11	1014.7	1013.4	+0.6	24.7	21.0	18.8	22.0	74	+ 6	1.7	+0.4	6.6	0	0	27	07	4	0	2	4	6	1	3	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS -- FEBRUARY 1969 (MAGHA 12 - PHALGUNA 9, 1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GANGETIC WEST BENGAL (CONTD.)																											
CONTAI	1730	11	1010.7	1009.5	+0.1	25.4	22.8	21.1	27.2	80	+16	1.6	+0.3	6.6	0	0	23	01	0	0	8	14	0	0	0	5	0
SAGAR ISLAND	0830	3	1014.0	1013.7	-0.4	23.6	20.9	19.2	22.8	78	+ 5	2.3	+0.1	12.6	0	3	25	07	2	0	2	7	5	0	5	0	0
	1730	3	1010.7	1010.4	-0.5	25.1	21.5	19.2	22.9	72	+ 5	2.3	+0.3	11.6	0	2	26	02	0	1	9	12	2	0	2	0	0
SANDHEADS	0530	10	1012.1	1011.0	..	24.0	21.7	20.4	24.1	81	..	1.5	..	11.4	0	2	23	02	1	0	0	4	10	6	2	3	0
	0830	10	1014.6	1013.5	-0.1	25.1	21.9	20.1	23.8	74	+ 2	1.5	-0.3	12.6	0	3	24	02	4	0	1	3	12	2	3	1	0
	1130	10	1014.4	1013.3	..	28.0	22.0	18.7	21.6	57	..	1.4	..	35.1	1	3	19	01	7	1	1	0	5	6	2	5	0
	1730	10	1011.4	1010.3	-0.5	25.5	21.8	19.7	23.3	72	+ 3	1.5	+0.0	7.9	0	2	16	00	1	1	1	5	10	0	0	10	0
	2330	10	1013.1	1012.0	..	24.5	21.9	20.5	24.3	79	..	.	..	13.0	0	4	21	00	1	1	0	9	11	3	0	3	0
NARENDRAPUR	0830		..	..	..	22.9	18.6	14.9	16.9	64	..	2.5	..	4.3	0	0	22	07	0	1	0	0	7	4	3	6	0
	1730		..	..	..	26.0	20.5	16.7	19.0	58	..	3.1	..	2.4	0	0	16	02	1	0	0	0	5	2	6	12	0
BAGATI	0830		..	..	..	20.6	17.5	15.0	17.0	73	..	1.9	..	4.2	0	0	22	03	0	1	1	2	9	1	5	6	0
	1730		..	..	..	24.5	19.3	15.7	17.8	60	..	1.9	..	3.8	0	0	27	06	2	0	0	1	4	0	14	1	0
ORISSA																											
BARIPADA	0830	54	1015.7	1009.4	+0.0	21.8	17.7	14.7	17.1	65	+ 4	1.8	+0.6	1.7	0	0	19	08	6	0	0	1	0	0	3	9	1
	1730	54	1011.1	1005.0	-0.2	28.5	22.3	18.9	22.4	58	+16	2.5	+1.2	2.1	0	0	11	01	0	1	3	3	0	0	1	17	2
JHARSUGUDA	0230	230	1012.1	985.4	..	18.5	14.0	9.9	12.5	58	..	1.4	..	4.0	0	0	20	06	7	5	1	1	0	0	0	8	0
	0530	230	1012.7	985.9	..	16.4	13.0	9.8	12.3	65	..	1.4	..	3.8	0	0	23	01	15	5	0	1	0	0	1	5	0
	0830	230	1014.7	988.3	+0.2	21.3	14.7	8.5	11.5	45	-10	1.6	+0.5	7.3	0	1	26	04	16	5	2	0	0	0	0	1	0
	1130	230	1013.6	987.9	..	29.0	18.0	8.6	11.8	29	..	1.2	..	7.2	0	0	27	02	7	4	1	3	4	3	3	1	0
	1430	230	1009.8	984.5	..	32.4	19.1	8.2	11.5	23	..	2.0	..	11.0	0	3	25	03	1	2	0	0	8	10	4	0	0
	1730	230	1009.6	984.0	-0.2	30.5	18.4	8.3	11.5	26	- 6	2.2	+0.8	7.2	0	1	25	01	1	0	1	4	4	8	7	2	0
	2030	230	1012.0	985.9	..	24.5	16.7	10.1	12.8	41	..	1.7	..	4.9	0	0	20	03	3	3	2	6	2	1	0	8	0
	2330	230	1012.7	986.3	..	21.2	15.3	10.2	12.8	50	..	1.6	..	3.8	0	0	16	03	6	3	1	3	0	0	0	12	0
KEONJHARGARH	0830	463	1014.9	962.7	-0.3	22.9	15.6	9.9	11.5	47	-12	0.5	-0.9	1.0	0	0	14	06	0	3	2	0	0	3	0	14	0
	1730	463	1010.4	959.7	+0.3	29.7	17.6	9.1	11.5	27	-16	0.4	-1.3	0.6	0	0	7	01	0	2	0	0	0	3	1	21	0
BALASORE	0830	20	1015.0	1012.7	+0.2	23.8	18.9	15.3	17.9	61	- 4	2.1	-0.1	8.4	0	0	27	15	3	0	0	2	6	0	1	1	0
	1730	20	1010.9	1008.6	-0.1	25.4	21.4	19.0	22.2	69	+ 9	2.5	+0.0	7.4	0	0	27	00	1	0	0	17	1	0	0	1	0
SAMBALPUR	0830	148	1014.2	997.5	-0.3	26.4	19.9	15.4	18.2	53	-13	0.9	-0.8	0.5	0	0	4	00	3	1	0	0	0	0	0	24	0
	1730	148	1010.5	994.0	+0.2	29.4	19.6	13.1	16.4	38	+ 0	1.5	-0.3	0.1	0	0	2	01	1	0	0	0	0	0	0	26	0
ANGUL	0830	139	1014.8	998.8	-0.1	22.2	19.4	17.7	20.2	77	+ 9	3.5	+1.1	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	139	1009.8	994.4	-0.5	31.5	23.8	19.6	23.2	51	+17	3.3	+1.2	..	.	..	..	..	..	..	..	..	..	..	..	..	..
CHANDBALI	0830	6	1015.6	1014.9	+0.7	24.3	21.2	19.6	22.7	75	- 1	1.9	+0.0	4.9	0	0	27	05	1	1	1	6	2	5	6	1	0
	1730	6	1011.0	1010.3	-0.5	27.0	21.4	18.0	21.4	60	+ 2	1.4	-0.1	8.6	0	2	26	01	1	3	20	2	1	0	0	0	0
BOLANGIR	0830	190	1014.1	992.3	-0.4	23.2	17.0	12.2	15.2	51	-13	0.9	-1.4	2.6	0	0	17	03	1	1	1	8	1	0	2	11	0
	1730	190	1009.2	988.5	-1.2	32.0	19.9	11.2	14.3	28	-16	1.6	-1.1	0.6	0	0	7	01	1	1	1	1	0	0	2	21	0
PHULBANI	0830	464	1015.2	962.9	..	21.0	15.8	12.1	13.7	58	..	0.1	..	0.1	0	0	1	00	0	0	0	0	0	0	1	27	0
	1730	464	1010.2	959.4	..	28.5	19.2	13.2	14.7	40	..	0.0	..	0.3	0	0	4	03	0	0	0	0	0	0	1	24	0
CUTTACK	0830	27	1015.2	1012.1	+0.4	23.6	21.0	19.4	22.8	79	+ 3	1.5	-0.7	1.6	0	0	15	04	1	2	0	2	1	5	0	13	0
	1730	27	1010.9	1007.9	+0.2	31.8	22.3	16.5	19.3	41	- 2	1.0	-1.1	2.4	0	0	18	01	0	2	0	10	2	3	0	10	0
TITLAGARH	0830	211	1012.5	988.5	-1.6	24.2	20.0	17.3	20.1	66	+ 8	3.9	+2.6	2.0	0	0	28	00	1	0	4	0	22	0	1	0	0
	1730	211	1008.4	985.2	-0.7	32.2	23.4	18.5	21.6	45	+11	3.5	+2.1	1.9	0	0	26	01	10	0	5	0	4	0	6	2	0
BHUBANESWAR	0230	46	1012.2	1007.0	..	22.0	20.5	19.6	22.9	87	..	1.2	..	5.1	0	1	13	00	0	2	0	5	6	1	0	14	0
	0530	46	1012.3	1007.0	..	20.5	19.6	19.0	22.1	91	..	2.2	..	4.1	0	0	15	00	1	2	1	2	6	2	1	13	0
	0830	46	1014.6	1009.4	+0.4	23.9	21.0	19.1	22.4	77	+ 9	2.6	+0.5	7.8	0	2	18	05	1	1	0	3	6	4	0	8	0
	1130	46	1014.0	1008.9	..	29.9	21.1	15.2	17.8	44	..	1.9	..	14.1	0	6	21	02	2	3	0	4	12	1	3	1	0
	1430	46	1010.7	1005.6	..	32.0	20.7	12.3	15.0	32	..	2.0	..	12.1	0	5	21	02	2	3	2	7	7	1	2	2	0
	1730	46	1010.7	1005.5	+0.1	29.3	21.1	15.4	18.3	47	- 1	2.0	+0.0	16.0	0	12	14	02	1	1	3	9	9	0	1	2	0
	2030	46	1013.1	1007.9	..	24.5	21.3	19.5	22.7	75	..	0.8	..	10.4	0	1	23	00	1	0	3	6	13	1	0	4	0
	2330	46	1013.4	1008.1	..	23.1	21.1	19.9	23.4	81	..	1.5	..	8.9	0	1	23	00	0	1	2	7	13	1	0	4	0
PURI	0830	6	(R)																								
	1730	6	1012.4	1011.7	+1.1	25.9	22.1	20.1	23.5	72	+ 0	2.3	+0.2	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GOPALPUR	0530	17	1012.2	1010.3	..	21.0	19.3	18.3	21.0	86	..	0.9	..	6.1	0	0	24	07	0	0	0	1	1	4	11	4	0
	0830	17	1014.6	1012.6	+0.0	23.6	20.6	18.6	21.8	75	+ 3	2.3	+0.5	7.0	0	0	26	11	1	0	0	2	5	1	6	2	0
	1130	17	1014.5	1012.6	..	28.5	23.4	20.7	24.4	63	..	1.8	.	11.3	0	2	26	00	0	2	6	12	8	0	0	0	0
	1730	17	1011.1	1009.2	+0.0	26.8	23.1	21.2	25.2	72	- 2	2.4	+0.4	16.7	0	8	20	00	0	0	7	14	7	0	0	0	0
	2330	17	1013.4	1011.4	..	24.3	21.9	20.5	24.1	80	..	0.9	..	12.2	0	6	19	01	1	0	1	1	19	2	0	3	0
KORAPUT	0830	913	1539.5	914.3	+0.8	20.7	14.6	9.7	12.7	51	-11	0.9	-0.4	21.7	0	0	28	00	0	0	10	12	6	0	0	0	0
	1730	913	1522.3	910.9	+0.3	27.7	16.0	5.4	8.7	26	- 9	2.5	+0.5	16.2	0	2	26	00	1	1	7	0	6	4	9	0	0
PARADIP PORT	0830	11	1014.5	1013.6	..	24.8	22.9	22.0	26.4	84	..	0.5	..	17.0	1	6	21	03	1	0	6	5	4	6	3	0	0
	1730	11	1012.2	1011.3	..	25.1	23.1	22.1	26.6	84	..	0.3	..	25.1	0	20	7	02	0	1	10	8	4	2	0	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — FEBRUARY 1969 (MAGHA 12 - PHALGUNA 9, 1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or M. in gen. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind speed (Km. p.h.) 62 or more	28 to 61	1 to 10	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORISSA (CONTD.)																											
ROURKELA	0830	196	1015.9	993.2	..	20.6	14.9	10.1	12.3	52	..	1.4	..	5.2	0	1	13	01	9	4	0	0	0	0	0	14	0
	1730	196	1010.2	988.4	..	30.9	18.4	7.7	10.5	25	..	2.8	..	10.4	0	6	14	00	2	1	3	1	6	4	3	8	0
BHOWANI PATNA	0830	267	..	..	..	25.6	17.8	12.1	14.1	44	..	1.7	..	3.2	0	0	28	01	0	1	5	15	6	0	0	0	0
	1730	267	..	..	..	32.3	19.6	10.1	12.3	38	..	2.0	..	3.4	0	0	28	05	8	1	8	0	2	4	0	0	0
BIHAR PLATEAU																											
DUMKA	0830	149	1015.0	997.8	+0.1	19.5	14.6	10.0	12.7	57	- 1	0.9	-0.6	3.6	0	0	20	03	2	1	0	0	1	12	1	8	0
	1730	149	1010.9	994.1	+0.1	26.2	18.6	12.9	15.3	45	+ 3	0.9	-0.7	4.0	0	0	19	02	0	3	0	0	2	6	6	9	0
DALTONGANJ	0830	221	1015.1	989.5	-0.5	20.3	14.6	9.1	11.3	51	-20	2.5	+0.6	2.1	0	0	14	00	4	0	0	0	10	0	0	14	0
	1730	221	1010.5	985.6	-0.2	26.5	17.8	10.9	13.3	38	+ 0	2.4	+0.3	3.4	0	0	20	02	2	0	0	0	5	2	9	8	0
HAZARIBAGH	0830	611	..	..	..	..	..	..	..	..	..	2.0	+0.3	9.6	0	1	21	01	1	0	3	2	3	2	10	6	0
	1730	611	..	..	..	..	..	..	..	..	..	2.3	+0.4	6.2	0	0	27	06	2	0	1	1	1	1	15	1	0
DHANBAD	0830	257	1014.6	988.1	-0.2	20.0	14.3	7.9	11.0	46	- 8	0.8	-0.4	3.5	0	0	26	00	3	0	1	0	3	3	15	2	1
	1730	257	1010.1	981.2	..	26.9	17.0	8.2	11.1	32	..	2.1	..	3.4	0	0	23	00	2	0	8	0	1	0	12	5	0
RANCHI AERODROME	0530	652	1013.5	988.1	..	14.7	10.7	6.6	10.1	60	..	0.8	..	5.5	0	2	12	00	2	0	0	1	2	3	6	14	0
	0830	652	1014.6	941.2	[illegible]	18.7	13.0	7.6	10.9	50	- 1	1.3	-0.4	10.6	0	4	16	04	1	1	0	1	3	3	7	8	0
	1130	652	1012.8	940.8	[illegible]	24.4	19.6	8.2	11.3	37	..	1.4	..	10.9	0	8	18	02	0	1	1	3	4	7	8	2	0
	1430	652	1009.2	938.0	..	26.0	16.5	7.9	11.8	33	..	1.9	..	23.1	0	14	14	01	0	2	0	2	3	7	13	0	0
	1730	652	1009.7	938.8	-0.2	24.7	15.9	8.6	11.7	39	+ 0	2.4	+0.5	16.4	0	9	19	04	1	1	1	1	3	4	13	0	0
	2030	652	1012.8	939.8	..	19.9	13.8	8.4	11.3	50	..	1.3	..	8.9	0	1	20	01	1	1	1	0	2	1	14	7	0
JAMSHEDPUR	0830	129	1015.2	1000.2	+0.0	19.0	14.3	10.0	12.9	57	-10	1.1	-0.6	0.8	0	0	10	00	1	0	1	0	0	5	3	18	0
	1730	129	1010.2	995.7	+0.1	28.9	17.0	8.0	11.4	29	- 5	0.9	-0.6	2.6	0	0	14	02	2	5	2	0	1	1	1	14	0
JAMSHEDPUR P.B.U.	0530	142	1012.8	996.2	..	15.6	12.4	9.7	12.6	70	..	1.4	..	1.2	0	0	6	01	0	1	0	1	1	0	2	22	0
	0830	142	1015.1	998.6	+0.1	19.1	14.0	9.2	12.2	58	- 7	2.4	+1.0	3.6	0	0	15	00	0	2	0	0	1	3	9	13	0
	1130	142	1014.0	998.0	..	27.1	17.1	8.0	11.5	32	..	1.6	..	5.1	0	2	18	05	0	2	1	2	4	2	4	8	0
	1430	142	1010.2	994.4	..	30.2	17.7	6.5	10.4	24	..	2.0	..	8.7	0	2	25	01	4	2	0	2	4	7	7	1	0
	1730	142	1009.9	994.0	-0.2	28.9	17.5	7.6	10.9	27	-10	2.1	+0.1	6.1	0	3	11	05	2	2	0	0	0	1	4	14	0
	2030	142	1012.3	996.0	..	22.8	15.8	9.9	12.6	45	..	1.1	..	3.6	0	1	11	00	0	7	1	1	1	0	2	16	0
	2330	142	1013.0	996.6	..	19.5	15.0	11.2	13.7	60	..	0.5	..	2.1	0	0	8	00	0	2	1	0	1	0	4	20	0
CHAIBASA	0830	226	1015.1	989.1	+0.2	21.5	15.6	10.5	12.9	52	-15	2.4	+0.3	1.0	0	0	13	00	2	0	0	0	11	0	0	15	0
	1730	226	1010.2	984.6	-0.3	28.5	17.6	8.5	11.2	29	-12	2.4	+0.1	2.2	0	0	15	00	5	0	0	0	9	0	1	13	0
BIHAR PLAINS																											
MOTIHARI	0830	66	(R)																								
	1730	66	1010.8	1003.2	+0.0	23.2	18.0	14.2	16.9	61	+ 7	1.2	-0.2	1.8	0	0	7	00	0	2	0	0	0	5	0	10	0
FORBESGANJ	0830	61	1014.5	1007.5	+0.2	17.1	14.2	11.8	13.8	72	- 5	0.9	-0.5	3.8	0	0	23	01	0	12	0	2	0	7	1	0	0
	1730	61	1010.1	1003.0	-0.6	23.3	18.4	15.0	17.1	68	+ 8	1.3	-0.1	4.0	0	0	17	00	1	1	0	0	0	15	0	6	0
DARBHANGA	0830	49	1015.2	1009.4	+0.3	19.3	15.1	11.7	13.7	63	-12	1.1	-0.8	2.0	0	0	17	01	1	4	0	[illegible]	1	7	2	11	0
	1730	49	1010.8	1005.3	-0.3	24.8	18.9	14.8	17.1	56	+ 6	0.9	-0.8	0.9	0	0	10	00	1	0	0	0	1	6	2	18	0
MUZAFFARPUR	0830		..	..	..	17.0	13.3	10.0	12.3	64	..	1.6	..	4.1	0	0	20	00	1	3	1	2	3	10	0	8	0
	1730		..	..	..	22.2	16.3	11.5	13.7	53	..	1.6	..	2.1	0	0	10	00	0	3	0	0	1	6	0	10	0
CHAPRA	0830	58	1014.6	1007.8	..	15.9	12.3	8.7	11.4	63	..	1.3	..	2.7	0	0	24	00	3	0	2	0	18	2	1	2	0
	1730	58	1011.5	1004.9	..	25.5	16.0	8.0	10.5	33	..	1.7	..	2.0	0	0	19	00	1	0	1	0	11	0	6	9	0
PURNEA	0830	36	1015.1	1010.6	+0.2	17.0	13.5	10.2	12.7	66	- 6	1.6	-0.1	1.6	0	0	20	00	1	4	0	0	11	3	1	8	0
	1730	38	1010.6	1006.3	-0.3	23.0	17.0	12.5	14.5	53	+ 3	1.3	-0.7	0.9	0	0	9	00	0	0	0	0	4	5	0	19	0
PATNA	0830	53	(R)																								
	1730	53	(R)																								
PATNA AERODROME	0230	60	1012.2	1005.2	+0.0	14.7	12.0	9.1	12.0	71	+28	1.6	-0.1	3.1	0	0	12	02	1	0	0	0	1	8	0	14	0
	0530	60	1012.1	1005.0	..	13.2	10.9	8.5	11.2	75	..	1.4	..	4.4	0	1	16	01	2	1	0	1	3	9	0	[illegible]	0
	0830	60	1014.3	1007.2	+0.1	17.1	12.9	8.7	11.3	59	- 6	2.2	+0.8	8.4	0	2	22	01	1	3	0	0	6	11	2	[illegible]	0
	1130	60	1014.2	1007.4	..	24.3	15.9	8.5	9.1	39	..	2.5	..	10.6	0	4	23	00	1	4	0	1	3	10	0	[illegible]	0
	1430	60	1011.0	1004.2	..	27.0	16.7	7.1	10.7	30	..	2.6	..	12.1	0	4	24	01	1	3	0	0	0	14	[illegible]	0	0
	1730	60	1010.4	1003.6	+0.0	25.1	16.6	9.5	12.3	39	- 4	2.4	+1.0	6.2	0	0	23	01	1	0	1	0	1	13	0	5	0
	2030	60	1012.1	1005.2	..	18.9	14.4	10.7	12.6	60	..	2.2	..	2.4	0	0	11	00	1	2	0	0	4	4	0	17	0
	2330	60	1012.8	1005.8	..	16.4	13.1	10.1	13.4	68	..	1.0	..	3.5	0	1	12	01	1	2	0	0	0	8	1	15	0
BHAGALPUR	0530	48	1012.4	1006.6	..	15.2	12.2	9.2	11.0	69	..	2.1	..	4.4	0	1	22	00	2	0	4	6	6	3	0	5	2
	0830	49	1014.7	1008.9	+0.0	17.6	13.5	9.0	12.0	62	+ 1	2.0	+0.9	5.4	0	1	27	01	1	0	5	3	8	0	1	0	1
	1130	49	1014.3	1008.7	..	23.7	16.3	10.0	12.4	48	..	1.5	..	7.7	0	4	24	01	3	1	2	1	4	11	3	0	2
	1730	49	1010.4	1004.9	-0.2	23.0	17.1	11.0	14.5	58	- 3	2.3	+1.0	5.7	0	1	25	00	0	1	1	1	4	15	4	2	0
	2330	49	1012.7	1007.0	..	18.6	14.6	11.1	13.9	63	..	1.6	..	4.5	0	2	22	00	0	1	6	7	6	4	0	3	0
SABAUR	0830	37	1015.2	1010.8	+0.4	17.6	14.9	12.0	14.7	74	+ 0	1.9	+0.1	4.2	0	2	18	02	1	2	1	0	6	6	2	4	0
	1730	37	1010.7	1006.4	-0.3	24.0	20.2	17.0	20.6	70	+16	2.2	+0.3	3.5	0	0	20	00	0	1	0	0	0	0	0	8	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — FEBRUARY 1969 (MAGHA 12 - PHALGUNA 9, 1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
[illegible]																											
[illegible]	0830		(R)																								
	1730		(R)																								
[illegible]	0830	107	1014.7	1002.1	-0.2	19.0	14.1	9.5	12.3	56	- 2	2.2	+0.9	2.9	0	0	28	01	0	2	1	3	12	9	0	0	0
	1730	107	1010.5	998.2	-0.1	26.0	17.1	9.4	11.8	37	+ 2	2.4	+1.1	3.8	0	0	28	01	5	3	0	0	0	16	3	0	0
[illegible]	0230	116	1013.2	999.4	..	14.4	11.6	8.8	11.8	70	..	1.6	..	5.7	0	1	23	02	1	4	4	8	1	4	0	4	0
	0530	116	1013.5	999.6	..	12.8	10.6	8.1	11.3	74	..	1.7	..	6.1	0	1	24	01	2	2	7	9	3	1	0	3	0
	0830	116	1015.5	1002.0	+0.5	18.2	13.8	9.7	12.5	59	- 3	2.3	+0.8	9.1	0	4	24	01	1	1	6	9	7	3	0	0	0
	1130	116	1015.0	1001.7	..	25.7	17.1	10.1	12.9	40	..	2.5	..	14.9	0	9	19	01	2	6	0	0	1	14	4	0	0
	1430	116	1011.7	998.6	..	27.6	18.1	10.5	13.2	37	..	2.8	..	17.6	0	11	17	04	1	0	1	0	0	16	6	0	0
	1730	116	1011.3	998.1	+0.1	25.6	17.4	10.8	13.5	41	+ 4	2.8	+1.0	9.4	0	1	25	04	4	0	0	0	0	11	7	2	0
	2030	116	1013.0	999.6	..	19.7	14.9	10.6	13.2	57	..	2.5	..	5.7	0	0	21	00	5	1	0	1	7	5	2	7	0
	2330	116	1013.8	1000.2	..	16.7	13.0	9.3	12.3	63	..	2.0	..	5.7	0	1	26	01	1	2	7	7	2	5	2	1	0
[illegible]	0830		..	..	..	15.2	14.3	13.6	15.6	90	..	.	..	5.0	0	0	20	00	0	11	0	0	0	9	0	8	0
	1730		..	..	..	17.0	16.3	15.8	17.9	93	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]																											
[illegible]	0830	147	1013.8	996.4	-0.3	14.1	11.2	8.4	11.3	70	- 4	1.7	+0.2	7.4	0	2	22	00	0	6	0	0	0	18	0	4	0
	1730	147	1010.6	993.8	-0.4	23.7	15.5	8.2	11.2	38	-11	2.0	+0.4	5.9	0	0	25	00	0	3	0	1	0	21	0	3	0
[illegible]	0830	124	1014.7	1000.1	+0.3	14.9	11.4	7.8	10.8	63	-11	1.5	-0.4	4.4	0	0	20	00	0	1	4	0	3	8	4	8	0
	1730	124	1011.2	996.9	-0.2	24.4	15.4	7.5	10.8	35	-12	1.6	-0.7	5.2	0	0	24	00	0	2	1	0	5	11	5	4	0
[illegible]	0830	99	1013.0	1001.2	-1.2	14.2	11.9	9.9	12.4	76	- 2	0.9	-0.2	1.4	0	0	19	00	1	3	1	4	4	2	4	9	0
	1730	99	1010.7	999.3	+0.0	24.1	16.4	9.8	12.5	42	- 6	1.1	+0.3	2.0	0	0	16	00	0	1	1	0	4	5	5	12	0
[illegible]	0830	142	1014.6	997.8	+0.5	15.7	12.1	8.5	11.4	63	- 9	1.1	-0.4	3.6	0	1	21	02	0	3	0	1	2	13	1	6	0
	1730	142	1010.9	994.6	+0.1	24.0	16.1	9.0	12.2	39	- 2	1.1	-0.4	2.1	0	0	20	01	1	2	0	0	0	15	1	8	0
[illegible]	0830	110	1015.2	1002.3	+0.4	17.1	13.0	9.2	12.0	60	-13	1.2	-0.6	3.1	0	0	24	01	0	6	0	0	0	7	10	4	0
	1730	110	1011.2	998.6	-0.3	24.2	16.5	10.1	12.7	42	- 3	0.9	-1.1	1.9	0	0	14	00	1	2	0	0	0	7	4	14	0
[illegible]	0830	111	1014.1	1001.0	-0.9	13.4	10.4	7.1	10.4	66	- 4	0.7	-1.0	0.6	0	0	7	00	0	0	0	0	0	7	0	21	0
	1730	111	1010.3	997.7	-1.4	25.7	15.6	6.2	9.7	29	-14	0.8	-1.2	0.7	0	0	8	00	0	0	0	0	0	8	0	20	0
[illegible]	0230	128	1012.9	997.7	..	13.0	10.0	6.7	10.1	66	..	1.3	..	7.2	0	0	26	04	3	3	1	0	1	7	7	2	0
	0530	128	1012.9	997.6	..	10.9	8.9	6.5	10.0	75	..	1.2	..	6.1	0	0	21	00	3	2	0	0	2	9	5	7	0
	0830	128	1014.8	999.6	+0.1	14.6	10.9	7.0	10.4	61	- 6	2.3	+0.7	7.7	0	2	23	01	3	3	1	0	1	9	7	3	0
	1130	128	1014.8	1000.1	..	24.3	14.7	5.2	9.2	31	..	2.0	..	16.1	0	10	18	03	0	1	4	0	0	6	14	0	0
	1430	128	1011.6	997.2	..	27.0	15.3	3.7	8.3	23	..	2.1	..	17.0	0	11	17	03	0	3	2	0	1	3	16	0	0
	1730	128	1011.1	996.6	-0.1	25.0	15.1	5.3	9.3	29	-11	2.1	+0.0	10.2	0	2	26	02	2	3	1	0	0	9	11	0	0
	2030	128	1013.0	998.0	..	17.3	12.5	7.7	10.9	54	..	1.0	..	6.7	0	0	27	02	2	4	1	0	3	9	6	1	0
	2330	128	1013.7	998.6	..	15.0	11.2	7.1	10.5	60	..	1.5	..	7.9	0	0	25	06	2	2	0	0	1	8	6	3	0
[illegible]	0830	102	1014.7	1002.7	-0.6	15.3	11.9	8.5	11.4	65	- 7	2.0	+0.5	2.9	0	0	16	01	0	2	1	0	0	12	0	12	0
	1730	102	1011.1	999.5	-0.6	24.0	16.1	9.4	12.1	41	-10	2.5	+0.8	1.9	0	0	11	00	0	0	2	0	0	9	0	17	0
[illegible]	0830	77	1014.3	1005.2	+0.0	16.6	12.2	8.0	11.0	58	-12	1.9	+0.2	1.9	0	0	21	02	2	2	0	0	7	6	2	7	0
	1730	77	1010.9	1002.1	+0.0	25.5	16.3	8.3	11.6	35	- 9	1.6	-0.2	2.2	0	0	24	01	1	1	0	1	6	11	3	4	0
[illegible]	0230	78	1012.1	1003.0	..	16.0	12.2	8.9	11.8	64	..	0.5	..	3.8	0	0	13	00	1	1	0	1	1	6	3	15	0
	0530	78	1012.1	1002.8	..	14.6	11.4	8.7	11.5	68	..	0.5	..	4.3	0	0	17	03	1	2	0	1	3	6	1	11	0
	1130	78	1014.0	1005.3	..	22.3	14.8	9.4	12.0	45	..	2.4	..	7.2	0	0	28	00	0	2	4	2	6	10	4	0	0
	1430	78	1011.2	1002.2	..	24.9	15.2	7.3	10.7	35	..	2.0	..	8.6	0	1	26	01	1	0	2	1	7	11	4	1	0
	2030	78	1012.2	1003.2	..	20.2	14.7	10.6	13.1	56	..	1.2	..	3.8	0	0	18	00	0	2	1	3	0	10	2	10	0
	2330	78	1012.8	1003.7	..	18.1	13.4	9.6	12.3	59	..	0.8	..	4.1	0	1	13	01	0	0	1	1	1	6	4	14	0
KANPUR	0830		(R)																								
	1730		(R)																								
KANPUR (AERODROME)	0530	126	1013.4	998.4	+0.8	12.2	9.1	5.3	9.9	72	+35	1.4	-0.5	32.8	1	0	21	03	4	2	1	0	0	4	8	6	0
	0830	126	1015.1	1000.3	..	15.7	11.2	6.5	10.1	55	..	2.6	..	8.2	0	0	23	04	2	3	2	0	0	9	3	5	0
	1130	126	1015.2	1000.8	..	24.7	14.9	4.9	9.2	29	..	2.1	..	14.3	0	5	22	04	2	2	6	0	0	7	6	1	0
	1730	126	1011.6	997.3	..	25.6	15.0	3.8	8.6	26	..	2.4	..	11.4	0	3	22	02	2	2	2	0	0	8	9	3	0
	2330	126	1014.1	999.2	..	16.0	11.5	6.4	10.1	54	..	1.4	..	7.8	0	0	23	02	3	1	2	0	0	10	5	5	0
[illegible]	0830	97	1015.1	1003.8	-0.7	18.8	13.8	9.1	11.9	54	-11	2.3	+1.0	2.9	0	0	17	00	2	3	1	0	1	10	0	11	0
	1730	97	1010.8	999.8	-1.3	25.2	16.7	8.5	11.5	34	- 7	2.8	+1.5	2.5	0	0	18	00	0	2	0	0	0	12	4	10	0
[illegible]	0830	78	1014.7	1005.6	+0.8	16.6	13.2	10.2	12.8	68	- 4	0.9	-0.1	4.4	0	0	22	02	1	1	1	1	6	10	0	6	0
	1730	78	1010.9	1002.0	+0.2	25.3	18.4	13.3	15.7	50	- 2	1.7	+0.8	2.5	0	0	16	00	0	2	0	0	0	14	0	12	0
[illegible]	0830	114	..	..	..	16.3	12.3	8.4	11.4	60	- 7	1.8	-0.1	3.7	0	0	23	01	0	9	0	1	1	10	1	5	0
	1730	114	..	..	..	25.9	17.0	9.8	12.3	37	- 4	1.9	+0.0	2.9	0	0	18	02	0	4	0	0	0	10	2	10	0
[illegible]	0830	64	1016.4	1008.8	+1.8	17.2	13.6	11.3	13.8	69	+ 2	1.8	+0.6	1.7	0	0	18	00	3	2	1	0	0	12	0	10	0
	1730	64	1011.7	1004.3	+0.0	23.9	16.3	9.4	12.6	43	+ 2	1.6	+0.3	0.4	0	0	6	00	0	2	0	0	0	4	0	22	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — FEBRUARY 1969 MAGHA 12 - PHALGUNA 8, 1890 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or lt. in gen. of annual standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 42 or more	28 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																											
BANDA	0830	121	1016.8	1002.5	+1.3	18.3	13.0	7.8	11.1	52	-10	1.6	+0.6	1.5	0	0	20	00	3	0	0	0	16	0	1	8	0
	1730	121	1013.3	999.5	+1.7	27.0	18.3	10.5	14.5	39	- 2	2.2	+1.0	1.3	0	0	17	00	1	0	0	0	13	0	3	11	0
ALLAHABAD(BAMHRAULI)	0230	98	1013.0	1001.4	..	14.3	11.0	7.5	10.8	64	..	1.1	..	1.7	0	0	12	01	2	3	0	0	1	5	0	16	0
	0530	98	1013.1	1001.5	..	12.9	10.1	6.9	10.4	68	..	1.0	..	1.6	0	0	14	00	0	3	1	0	2	7	1	14	0
	0830	98	1015.1	1003.6	+0.0	16.3	11.6	6.5	10.3	54	-13	2.3	+0.4	3.9	0	0	19	02	1	2	2	1	0	10	1	9	0
	1130	98	1015.0	1003.8	..	25.4	15.5	5.6	9.7	30	..	2.3	..	7.6	0	3	24	00	2	6	3	0	2	8	6	1	0
	1430	98	1011.8	1000.7	..	28.6	16.6	5.1	9.5	25	..	2.4	..	9.1	0	3	25	07	1	3	3	0	0	9	5	0	0
	1730	98	1011.2	1000.1	-0.3	27.0	16.5	6.8	10.4	29	- 8	2.8	+0.7	5.1	0	0	23	05	3	3	0	0	0	4	8	5	0
	2030	98	1013.0	1001.6	..	20.1	14.3	8.9	11.9	50	..	1.7	..	1.4	0	0	13	00	2	1	0	0	0	7	3	19	0
	2330	98	1013.6	1002.1	..	17.0	12.4	7.6	11.0	55	..	1.5	..	1.9	0	0	14	00	1	4	0	0	1	5	3	14	0
VARANASI(BABATPUR)	0530	85	1013.2	1002.9	..	12.8	10.0	6.7	10.3	68	..	0.9	..	4.2	0	1	10	00	0	2	1	0	4	3	1	17	0
	0830	85	1015.4	1005.2	+0.0	17.1	12.2	6.9	10.5	53	- 9	1.9	+0.7	8.9	0	1	24	00	1	2	3	0	8	6	0	3	5
	1130	85	1015.2	1005.3	..	25.0	15.2	5.4	9.6	30	..	2.4	..	14.9	0	8	20	00	3	2	2	2	0	12	5	0	2
	1730	85	1011.4	1001.6	-0.5	25.8	15.6	5.8	9.8	30	-13	2.1	+0.6	10.4	0	3	24	00	2	2	1	0	1	13	4	1	4
	2330	85	1013.7	1003.6	..	16.4	12.2	7.9	11.1	59	..	1.6	..	4.0	0	2	9	00	1	2	1	0	2	5	0	17	0
VARANASI	0830	76	1015.0	1006.1	+0.2	17.7	13.0	8.3	11.5	56	-12	2.3	+0.5	1.6	0	0	14	00	2	0	1	0	4	6	1	14	0
	1730	76	1010.9	1002.3	-0.4	26.6	16.8	8.0	11.3	33	- 4	3.1	+1.3	2.4	0	0	19	00	1	2	0	0	0	13	3	9	0
UTTAR PRADESH WEST																											
MUKHIM	0830		..	..	..	10.1	5.9	0.8	6.6	55	+ 4	1.1	..	1.3	0	0	10	00	0	0	1	0	1	6	2	18	0
	1730		..	..	..	11.0	6.3	0.6	6.5	50	- 2	1.3	..	2.4	0	0	14	00	0	3	2	0	2	4	3	14	0
TEHRI	0830		..	..	..	9.4	7.8	6.0	9.4	78	- 3	3.1	+0.8	0.1	0	0	1	01	0	0	0	0	0	0	0	27	0
	1130		..	..	..	15.8	10.5	5.1	8.9	50	..	2.4	..	1.6	0	0	11	04	1	1	0	0	0	5	0	17	0
	1730		..	..	..	19.7	11.6	3.3	8.0	36	- 6	2.9	+0.7	4.1	0	0	20	00	0	2	0	15	0	3	0	8	0
DEHRA DUN	0530	682	1014.5	935.4	..	10.3	8.0	5.6	9.2	73	..	2.0	..	0.2	0	0	2	01	1	0	0	0	0	0	0	26	0
	0830	682	1015.4	936.6	+0.0	11.4	8.7	5.9	9.5	70	- 1	2.2	-0.6	0.9	0	0	11	09	0	0	0	1	0	1	0	17	0
	1130	682	1014.6	937.8	..	19.3	12.7	6.9	10.1	45	..	3.0	..	1.9	0	0	15	00	1	2	1	1	7	2	1	13	0
	1730	682	1011.1	934.9	-0.1	20.4	13.5	7.5	10.5	46	- 1	2.8	-0.4	2.4	0	0	20	01	0	0	0	4	7	8	0	8	0
	2330	682	1015.0	936.8	..	12.7	9.7	6.8	10.1	69	..	1.8	..	1.0	0	0	7	02	5	0	0	0	0	0	0	21	0
MANSIARI	0830		(R)																								
	1730		(R)																								
ROORKEE	0830	274	1017.0	984.6	+2.0	12.9	9.8	6.5	9.9	66	-12	1.8	-1.0	1.2	0	0	17	00	0	0	8	0	0	0	9	11	0
	1730	274	1012.8	981.6	+1.3	23.1	14.5	6.1	9.7	35	- 8	1.8	-1.2	1.4	0	0	19	00	0	0	4	0	0	0	16	9	0
NAJIBABAD	0830	270	1015.6	983.5	+0.2	11.6	9.7	7.8	10.8	78	- 4	1.6	+0.0	2.6	0	0	18	00	0	3	2	1	0	5	7	10	0
	1730	270	1012.2	981.3	-0.5	23.0	16.2	10.9	13.2	48	+ 5	1.6	+0.1	2.9	0	0	21	00	0	1	3	1	0	9	7	7	0
MEERUT	0830	222	1014.6	988.2	-1.0	12.0	9.6	7.0	10.3	72	+ 7	0.4	-0.6	4.1	0	0	18	00	0	3	1	0	1	1	12	10	0
BAREILLY	0830	173	1015.2	994.8	+0.6	14.9	11.7	8.6	11.5	67	- 6	1.5	-0.9	6.5	0	1	23	00	2	3	2	1	1	13	2	4	0
	1730	173	1011.2	991.5	-0.2	24.2	15.1	6.2	9.9	32	-12	1.6	-1.0	3.5	0	0	26	00	0	5	0	1	1	17	2	2	0
BAREILLY P.B.O.	0230	172	1013.0	992.6	..	14.2	10.3	6.7	10.2	62	..	1.1	..	7.6	0	0	27	03	5	2	1	0	0	6	10	1	0
	0530	172	1012.7	992.3	..	12.7	9.5	6.5	9.9	67	..	0.9	..	6.0	0	0	23	01	1	6	1	0	0	9	5	5	0
	1130	172	1014.8	994.9	..	21.4	13.6	7.1	10.4	41	..	2.4	..	10.4	0	4	23	00	2	3	2	0	1	9	10	1	0
	1430	172	1011.8	992.2	..	24.6	13.8	4.1	8.6	29	..	2.4	..	9.6	0	3	20	01	0	0	3	1	0	8	10	5	0
	2030	172	1013.1	993.0	..	18.3	12.2	6.7	10.2	48	..	0.9	..	3.7	0	0	18	01	1	0	1	0	0	11	4	10	0
	2330	172	1013.9	993.6	..	15.9	11.1	6.7	10.2	55	..	1.1	..	5.2	0	0	23	00	2	4	0	0	0	12	5	5	0
ALIGARH	0830	187	1016.0	993.4	+0.3	12.0	9.1	5.8	9.5	66	- 1	2.5	+0.5	4.0	0	0	26	01	0	5	1	0	0	16	3	2	0
	1730	187	1012.7	990.7	+0.1	23.3	14.7	6.4	10.0	35	- 2	2.4	+0.5	3.6	0	0	27	01	0	2	1	3	0	19	1	1	0
MAINPURI	0830	157	1015.1	996.5	-0.1	14.0	11.1	8.2	11.1	68	- 2	1.3	-0.9	2.8	0	0	22	00	0	3	2	0	0	17	0	6	0
	1730	157	1011.8	993.9	+0.0	24.7	16.4	9.4	12.2	39	- 1	1.9	-0.4	2.6	0	1	13	00	0	1	0	0	0	13	0	14	0
AGRA	0830	169	1016.0	996.0	+0.4	14.2	10.8	7.1	10.5	63	- 1	0.5	-1.1	1.1	0	0	12	00	0	0	0	0	6	0	6	16	0
	1730	169	1012.2	992.9	+0.1	24.9	17.0	10.8	13.4	42	+10	2.0	+0.0	5.2	0	0	20	00	2	0	1	0	4	0	13	8	0
AGRA AERODROME	0230	169	1013.9	993.8	..	12.7	10.0	7.0	10.4	69	..	1.1	..	4.0	0	1	10	01	2	3	1	0	0	0	4	17	0
	0530	169	1014.2	994.0	..	10.5	8.5	6.1	9.8	74	..	1.2	..	6.2	0	0	19	06	1	2	4	1	0	2	3	9	0
	0830	169	1016.1	996.1	..	13.6	10.3	6.6	10.2	64	..	1.6	..	7.4	0	0	22	03	1	1	4	2	0	6	5	6	0
	1130	169	1016.0	996.6	..	22.9	14.9	7.0	10.5	38	..	1.5	..	13.7	0	4	23	09	1	0	5	3	1	3	5	1	0
	1730	169	1012.2	981.2	..	24.6	15.4	6.7	10.3	33	..	1.8	..	10.4	0	1	25	08	3	3	1	2	0	0	9	2	0
	2330	169	1014.6	994.7	..	14.8	11.3	7.8	10.9	64	..	1.2	..	5.1	0	0	16	05	2	4	0	0	0	3	2	12	0
ORAI	0830	141	1016.7	1000.4	+1.1	22.1	16.5	12.2	14.6	54	- 4	1.2	-0.1	3.2	0	0	25	03	12	0	0	0	0	1	9	3	0
	1730	141	1011.0	994.9	-1.0	25.9	19.0	14.3	16.6	49	+11	0.1	-1.5	2.9	0	0	28	10	3	0	0	0	0	6	9	8	0
JHANSI	0830	251	1016.1	986.8	+0.4	16.4	11.7	6.9	10.1	55	- 1	0.9	-0.5	0.7	0	0	8	01	0	1	0	0	0	6	0	20	0
	1730	251	1010.5	982.1	-1.0	25.4	16.8	9.6	12.1	38	+10	0.9	-0.7	1.4	0	0	17	01	0	1	0	5	0	10	0	11	0
MORADABAD	0830		..	..	..	13.5	11.3	9.2	11.9	76	..	0.6	..	5.8	0	0	25	01	4	0	0	0	0	0	20	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – FEBRUARY 1969 (MAGHA 12 - PHALGUNA 9, 1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or M.S. in case of stations situated below sea level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind speed (Km. p. h.) Calm	0 to 5	6 to 15	16 to 25	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST(CONTD.)																												
MORADABAD	1730		..	..	..	23.7	19.1	15.8	18.2	61	..	0.1	..	7.4	0	0	24	01	3	2	0	0	0	0	18	4	0
UTTAR KASHI	0830		(R)																									
	1730		(R)																									
ASCOT	0830		..	..	..	9.7	5.7	1.0	6.7	56	..	2.1	..	1.5	0	0	15	00	9	2	2	1	1	0	0	13	0
	1730		..	..	..	14.6	8.0	0.7	6.4	41	..	3.3	..	1.6	0	0	16	00	2	2	0	1	7	2	2	12	0
DHARCHULA	0830		..	..	..	8.7	6.7	4.2	8.4	75	..	1.8	..	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
	1730		..	..	..	19.0	10.7	0.9	6.8	32	..	2.0	..	2.9	1	0	0	01	0	0	0	0	0	0	0	27	0
HARYANA(INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	0830	347	1013.6	972.6	-1.0	13.4	10.2	6.8	10.1	65	- 1	2.6	+1.1	2.2	0	0	13	00	2	0	0	0	0	0	11	15	0
	1730	347	1011.6	971.7	-0.3	21.1	13.2	4.9	8.8	36	- 7	2.7	+1.7	7.6	0	2	26	00	4	0	0	0	3	0	21	0	0
AMBALA	0830	272	1015.4	983.4	+0.6	13.3	10.1	6.5	10.0	64	- 9	1.8	-0.6	2.6	0	0	27	00	6	0	5	0	1	0	15	1	0
	1730	272	1012.2	981.1	+0.2	21.4	13.7	6.0	9.7	38	- 6	1.6	-0.8	2.6	0	0	23	00	0	0	3	0	5	0	15	5	0
AMBALA P.B.O.	0230	278	1014.0	981.2	..	12.8	10.8	9.2	11.8	79	..	1.5	..	6.4	0	0	24	00	1	1	4	0	1	0	17	4	0
	0530	278	1013.7	980.7	..	11.5	9.7	8.1	11.0	81	..	1.4	..	5.3	0	0	18	00	0	0	3	1	0	0	14	10	0
	1130	278	1015.5	982.4	..	20.0	15.6	12.8	15.0	64	..	2.5	..	9.1	0	2	20	00	0	0	6	0	0	0	16	6	0
	1430	278	1013.0	981.1	..	21.5	16.3	13.0	15.2	58	..	2.6	..	9.5	0	4	21	00	0	0	4	0	1	2	18	3	0
	2030	278	1013.5	981.4	..	17.2	14.1	12.0	14.2	72	..	1.4	..	6.0	0	0	20	00	0	1	1	0	1	4	13	8	0
	2330	278	1014.6	981.9	..	14.8	12.5	10.6	12.9	76	..	1.6	..	8.4	0	1	23	02	1	0	3	0	0	0	18	4	0
AMBALA AERODROME	0530	274	1013.7	981.0	..	9.9	8.2	6.2	9.8	79	..	2.0	..	11.3	0	2	19	00	0	0	0	0	0	0	4	9	7	0
	0830	274	1015.3	982.8	..	11.6	9.3	6.7	10.1	73	..	3.0	..	9.9	0	1	18	00	1	2	2	0	0	5	9	9	0
	1130	274	1015.3	983.7	..	20.5	13.8	7.4	10.6	43	..	3.0	..	18.0	0	11	15	01	1	0	4	0	0	6	10	2	1
	1730	274	1011.9	980.5	..	21.1	14.2	7.7	10.8	43	..	3.2	..	17.3	0	7	20	00	0	2	2	1	0	11	10	1	1
	2330	274	1014.7	982.4	..	13.0	10.4	7.7	10.8	71	..	2.0	..	11.8	0	1	23	00	1	4	0	0	0	9	10	4	0
KARNAL	0830	249	1015.4	986.0	+0.6	13.1	10.1	6.7	10.2	66	- 7	1.5	-0.7	4.1	0	0	20	00	1	4	0	1	0	12	2	8	0
	1730	249	1011.8	983.6	+0.0	21.9	13.9	5.5	9.6	36	- 2	1.2	-1.0	5.5	0	1	24	00	0	4	1	2	0	17	3	1	0
HISSAR	0530	221	1014.2	987.8	..	10.7	9.5	8.1	11.2	85	..	0.5	..	5.1	0	0	23	03	2	4	3	0	4	3	4	5	0
	0830	221	1016.3	990.0	+0.6	11.8	10.1	8.3	11.3	80	+10	2.4	+0.5	4.6	0	0	25	04	4	4	4	3	3	6	1	3	0
	1130	221	1016.2	990.6	..	20.8	16.4	13.1	15.8	62	..	2.0	..	8.8	0	0	26	05	1	3	4	2	1	6	4	2	0
	1430	221	1013.4	988.2	..	24.1	17.8	12.8	15.4	52	..	2.4	..	9.4	0	1	24	07	0	2	5	0	0	5	6	3	0
	1730	221	1012.8	987.5	+0.2	23.1	17.4	13.1	15.4	55	+18	2.7	+0.8	8.1	0	0	26	[illegible]	[illegible]	8	0	1	1	2	12	2	0
	2330	221	1015.1	989.0	..	14.2	11.9	9.8	12.5	75	..	1.0	..	5.4	0	1	22	04	[illegible]	5	1	1	0	[illegible]	6	5	1
NEW DELHI/SAFDARJUNG	0230	216	1014.1	988.5	..	13.8	10.3	6.3	10.0	62	..	1.3	..	7.4	0	0	24	[illegible]	2	4	1	1	0	3	10	4	0
	0530	216	1013.8	988.1	..	12.0	9.2	6.0	9.7	68	..	1.6	..	7.4	0	0	24	01	4	3	1	1	1	7	6	4	0
	0830	216	1048.7	1097.2	+7.5	13.0	9.6	5.8	9.6	63	+ 4	2.2	-0.3	9.7	0	2	24	00	0	5	2	1	2	8	8	2	0
	1130	216	1016.0	991.0	..	21.4	13.6	5.7	9.5	37	..	2.3	..	15.9	0	7	20	01	0	3	4	2	0	4	13	1	0
	1430	216	1042.9	988.2	..	24.4	14.5	4.2	8.6	29	..	2.2	..	15.9	0	7	20	00	0	5	2	1	1	2	16	1	0
	1730	216	1012.0	987.4	+0.1	23.7	14.2	4.2	8.6	30	+ 2	2.3	-0.3	13.5	0	5	22	02	0	8	0	0	0	1	16	1	0
	2330	216	1013.9	988.6	..	17.8	12.4	6.6	10.2	49	..	1.3	..	7.1	0	1	22	01	0	5	3	0	0	3	11	5	0
PALAM AERODROME	0230	235	1014.8	989.3	..	15.6	11.2	6.5	10.1	56	..	0.9	..	7.1	0	0	23	01	0	4	3	0	1	1	13	5	0
	0530	235	1014.3	986.7	..	12.7	9.3	5.3	9.3	62	..	1.0	..	6.0	0	0	20	02	2	4	4	0	1	3	4	8	0
	0830	235	1014.[illegible]	986.4	..	10.5	8.0	5.1	9.2	71	..	1.3	..	7.1	0	2	18	01	1	5	4	1	3	4	1	8	0
	0830	235	1012.[illegible]	988.1	..	12.1	8.9	5.1	9.2	64	..	2.3	..	7.4	0	2	21	00	0	2	3	2	5	6	4	5	1
	1130	235	1015.7	988.9	..	21.5	13.3	4.5	9.0	34	..	1.9	..	14.5	0	6	20	08	0	1	4	2	2	3	6	2	0
	1430	235	1012.9	986.5	..	24.5	14.2	2.7	8.2	26	..	2.1	..	15.5	0	8	20	09	0	2	2	1	2	2	10	0	0
	1730	235	1012.2	985.6	..	23.6	13.9	2.9	8.2	28	..	2.0	..	12.7	0	7	19	10	0	3	3	0	2	0	8	2	0
	2030	235	1014.0	986.9	..	17.5	12.0	6.2	9.9	48	..	1.3	..	7.4	0	0	24	08	0	2	6	1	0	1	6	4	0
	2330	235	1014.8	987.5	..	15.0	10.7	5.7	9.4	54	..	1.1	..	7.0	0	1	22	06	2	2	6	0	0	0	7	5	0
GURGAON	0830		..	..	..	15.7	11.1	5.5	9.4	52	..	2.4	..	2.8	0	0	17	00	2	1	2	1	3	7	1	11	0
	1730		..	..	..	23.5	14.1	4.5	8.8	31	..	2.4	..	5.5	0	0	20	01	0	2	2	1	1	8	5	8	0
NARNAUL	0830	308	1019.4	983.4	..	15.8	10.7	5.0	9.0	52	..	1.4	..	3.5	0	0	27	03	1	0	1	16	6	0	0	1	0
	1730	308	1015.1	980.3	..	24.3	14.5	4.4	8.8	29	..	0.7	..	4.5	0	0	23	00	2	0	3	12	6	0	0	0	0
ROHTAK	0830	219	..	..	..	12.1	9.5	6.4	9.9	69	..	2.8	..	9.8	0	1	27	02	3	3	2	2	6	7	3	0	0
	1730	219	..	..	..	22.3	14.8	8.3	11.1	42	..	2.2	..	9.9	0	1	27	04	5	4	1	0	1	4	9	0	0
PUNJAB																											
PATHANKOT	0530	312	1014.6	977.5	..	10.1	8.7	7.3	10.4	84	..	3.4	..	8.3	0	3	15	01	6	5	2	2	0	1	1	10	0
	0830	312	1016.1	979.1	+0.5	11.2	9.6	7.8	10.8	81	+ 7	3.9	+0.6	9.3	0	3	17	03	11	3	1	2	0	8	0	8	0
	1130	312	1016.4	980.3	..	18.2	12.9	8.0	10.9	[illegible]	..	4.3	..	10.4	0	3	24	03	4	3	3	4	5	3	0	1	2
	1730	312	1013.3	977.1	-0.4	19.5	13.8	8.4	11.3	51	+ 5	4.8	+0.1	12.8	0	3	25	01	1	0	1	1	1	22	1	0	0
	2330	312	1015.8	978.9	..	11.8	10.3	8.9	11.5	93	..	3.1	..	8.9	0	2	17	03	9	4	1	1	1	0	0	9	0
AMRITSAR	0530	234	1014.8	986.6	..	8.8	7.7	6.3	10.0	85	..	3.3	..	10.9	0	3	24	04	3	2	1	1	3	8	5	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - FEBRUARY 1969 (MAGHA 12 - PHALGUNA 9, 1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	28 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
PUNJAB (CONTD.)																											
AMRITSAR	0830	234	1016.4	988.[illegible]	+0.5	9.7	8.4	7.1	10.3	84	+ 0	3.5	+0.8	11.1	0	3	24	01	6	3	1	1	3	6	6	1	0
	1130	234	1016.9	989.5	..	17.9	12.7	7.5	10.6	52	..	3.0	..	13.3	0	7	19	02	2	1	2	1	1	3	14	2	0
	1430	234	1014.4	987.4	..	21.4	13.5	5.4	9.3	37	..	3.2	..	16.3	0	8	20	02	0	2	2	1	3	8	10	0	0
	1730	234	1013.5	986.5	+0.6	19.9	13.5	7.1	10.4	45	+ 0	3.8	+1.1	11.9	0	5	20	02	1	0	1	1	1	8	11	3	0
	2030	234	1015.2	987.5	..	13.8	10.8	7.6	10.7	67	..	3.6	..	12.0	0	1	27	02	1	1	1	0	2	13	8	0	0
ADAMPUR AERODROME	0830	249	1016.3	986.4	..	9.3	7.3	4.9	9.0	75	..	3.5	..	9.5	0	4	16	07	2	2	4	0	1	1	3	8	0
	1730	249	1013.5	984.8	..	19.8	12.1	3.5	8.2	35	..	3.8	..	14.8	0	4	22	02	0	2	1	1	0	2	17	2	1
LUDHIANA	0830	247	1016.2	986.9	+0.7	12.2	9.5	6.6	10.0	69	- 9	2.7	+0.0	4.5	0	0	24	01	5	0	1	0	2	2	13	4	0
	1730	247	1012.7	984.5	+0.0	21.8	14.0	6.2	9.8	38	- 6	2.6	+0.0	5.8	0	0	27	01	1	0	2	1	1	2	19	1	0
FEROZEPUR	0830		..	..	..	11.5	10.5	9.5	12.1	88	+ 8	1.9	-0.2	2.3	0	0	16	06	3	0	0	1	0	1	5	12	0
	1730		..	..	..	20.3	10.4	12.9	15.9	66	+23	2.0	+0.1	2.9	0	0	24	13	2	0	1	0	0	0	8	4	0
HALWARA AERODROME	0530	242	1014.6	985.5	..	8.1	7.2	6.0	9.7	87	..	2.3	..	14.2	0	4	21	04	4	1	2	0	0	7	7	3	0
	0830	242	1016.0	987.1	..	10.4	8.9	7.2	10.4	80	..	3.1	..	12.8	0	3	21	03	3	1	3	1	0	7	6	4	0
	1130	242	1016.3	988.3	..	19.6	13.6	7.8	11.0	48	..	2.5	..	19.6	0	11	16	02	0	4	3	0	0	5	12	1	1
	1730	242	1013.3	985.2	..	20.3	14.3	8.8	11.6	49	..	2.9	..	16.0	0	4	23	03	0	2	3	1	0	5	13	1	0
	2330	242	1015.8	986.9	..	11.1	9.4	7.5	10.6	79	..	2.2	..	11.9	0	1	25	06	2	1	0	1	0	7	9	2	0
PATIALA	0830	251	1015.7	986.0	+0.5	11.8	9.5	6.9	10.2	72	+ 3	3.1	+0.5	8.6	0	4	11	00	0	0	0	0	0	0	15	13	0
	1730	251	1012.8	984.1	+0.5	20.7	13.7	6.6	10.2	41	+ 0	3.0	+0.2	11.8	0	9	10	00	0	0	4	0	0	0	15	9	0
BHATINDA	0830	211	1016.4	991.5	..	15.2	11.6	7.5	11.0	62	- 7	1.0	-0.4	2.9	0	0	17	00	2	0	4	0	1	0	10	11	0
	1730	211	1013.0	988.7	..	20.7	13.1	4.9	9.1	37	- 9	0.3	-1.1	1.6	0	0	15	01	0	0	1	0	0	0	13	13	0
HIMACHAL PRADESH																											
MANDI	0830		(R)																								
	1730	761	1011.5	926.7	+1.2	19.2	12.6	6.4	9.8	44	- 5	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
BILASPUR	0830	493	1017.6	948.9	+0.3	9.5	8.5	7.5	10.5	88	- 1	3.0	-1.5	1.1	0	0	7	01	0	0	2	0	2	0	2	21	0
	1730	493	1011.8	945.8	+0.1	20.5	13.8	8.2	11.0	46	+ 4	3.6	+0.3	4.1	0	1	19	00	4	0	1	2	9	1	3	8	0
JAMMU AND KASHMIR																											
MISGAR	0830		(R)																								
	1730		(R)																								
GILGIT	0830		(R)																								
	1730		(R)																								
SKARDU	0830		(R)																								
	1730		(R)																								
LEH	0830		(R)																								
	1130		(R)																								
	1730		(R)																								
SRINAGAR	0230	1587	1516.9	842.9	+0.2	1.9	1.4	0.8	6.5	92	+46	4.6	+0.0	2.2	0	0	19	00	0	0	5	0	1	0	13	9	0
	0530	1587	1515.3	842.7	..	1.4	0.9	0.3	6.2	93	..	5.4	..	2.4	0	0	18	00	0	0	7	0	0	0	11	10	0
	0830	1587	1523.1	843.5	-0.7	1.9	1.1	0.6	6.4	94	+ 7	7.1	+0.8	2.9	0	0	20	00	2	1	2	0	1	1	13	8	0
	1130	1587	1532.6	844.5	..	4.8	3.2	1.2	6.8	79	..	6.0	..	2.9	0	0	22	01	1	1	3	0	1	0	15	6	0
	1430	1587	1516.7	842.9	..	6.4	4.1	1.3	6.8	71	..	6.0	..	4.0	0	0	26	00	0	0	4	0	3	2	17	2	0
	1730	1587	1509.3	842.2	+0.0	6.0	3.7	0.9	6.6	71	+ 2	5.4	-0.2	3.5	0	0	24	00	0	0	4	0	1	2	17	4	0
	2030	1587	1517.0	842.9	..	3.7	2.6	1.4	6.8	86	..	4.3	..	2.6	0	0	19	00	1	0	8	0	0	0	10	9	0
	2330	1587	1521.5	843.3	..	2.7	2.0	1.1	6.7	90	..	4.0	..	2.5	0	0	18	00	1	0	6	0	0	0	11	10	0
SRINAGAR AERODROME	0530	1666	1730.4	834.4	..	0.6	- 0.1	- 1.1	5.7	88	..	6.5	..	1.9	0	0	7	01	0	0	0	3	0	3	0	21	0
	0830	1666	1526.2	835.5	...	1.3	0.5	- 0.4	6.0	88	..	7.4	..	4.8	0	0	13	01	0	1	1	0	3	2	5	15	0
	1130	1666	1536.8	836.6	..	4.0	2.5	0.6	6.4	79	..	6.3	..	4.9	0	0	17	03	0	0	3	1	2	4	4	11	0
	1730	1666	1514.3	834.5	..	5.6	3.3	1.0	6.7	74	..	5.2	..	4.9	0	1	11	02	0	0	1	0	1	4	4	16	0
	2330	1666	1526.0	835.4	..	1.4	0.3	- 1.2	5.6	83	..	4.9	..	5.3	0	0	16	01	1	0	0	1	2	8	3	12	0
GULMARG	0830																										
	1730																										
QAZIGUND	0830	1690	..	..	..	1.2	0.7	- 0.0	6.1	91	..	7.0	..	7.4	0	2	21	03	0	4	0	9	2	5	0	5	0
	1730	1690	..	..	..	5.7	3.6	0.9	6.6	73	..	5.6	..	5.4	0	1	24	00	1	1	0	2	6	15	0	3	0
BANIHAL	0830	1630	1508.9	837.5	..	3.6	2.1	0.2	6.2	79	..	5.0	..	1.6	0	0	6	04	0	0	0	2	0	6	0	22	0
	1730	1630	1490.9	835.9	..	8.1	4.4	- 0.5	6.0	57	..	4.5	..	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
JAMMU	0830	366	1232.4	976.9	..	14.4	9.3	6.8	9.9	73	+ 9	3.4	+0.1	7.1	0	0	24	02	22	0	0	0	0	0	0	0	0
	1730	366	(R)																								
JAMMU AERODROME	0530	292	1015.0	980.1	..	10.6	8.8	6.8	10.0	78	..	2.9	..	4.3	0	1	11	01	8	0	0	1	0	0	2	16	0
	0830	292	1016.2	981.4	..	11.6	9.5	7.3	10.4	75	..	4.2	..	5.5	0	1	14	00	10	1	3	0	0	0	1	13	0
	1130	292	1016.9	982.8	..	17.9	12.6	7.5	10.5	52	..	4.7	..	4.8	0	1	13	01	3	0	3	3	0	2	2	14	0
	1730	292	1013.7	979.8	..	19.5	13.1	6.8	10.1	46	..	4.1	..	5.5	0	0	17	02	0	0	1	1	2	8	3	11	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - -FEBRUARY ,1969(MAGHA 12 - PHALGUNA 9,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or bt. in gpm. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD.)																											
JAMMU AERODROME	2330	292	1016.1	981.3	..	12.2	10.1	7.7	10.7	75	..	3.1	..	3.1	0	0	10	01	5	1	0	0	0	1	2	18	0
GULMARG (RESEARCH INSTITUTE)	0830		3062.9	737.5	..	- 5.5	- 4.4	- 5.2	4.1	92	..	5.9	..	3.2	0	0	28	00	1	6	0	0	0	20	1	0	0
	1730		3172.6	737.3	..	- 1.9	- 2.0	- 2.[illegible]	4.9	92	..	5.3	..	3.0	0	0	28	00	1	7	0	0	0	20	0	0	0
RAJASTHAN, WEST																											
GANGANAGAR	0530	177	1014.4	993.1	..	9.6	7.9	5.8	9.5	78	..	0.5	..	0.6	0	0	4	02	1	1	0	0	0	0	0	24	0
	0830	177	1016.1	994.8	+0.3	10.0	8.0	5.6	9.4	75	+ 1	2.2	-0.1	1.6	0	0	11	02	2	4	1	0	1	1	0	17	0
	1130	177	1016.2	995.7	..	20.2	13.1	5.4	9.5	40	..	2.2	..	3.3	0	0	21	01	5	3	3	0	2	0	7	7	0
	1730	177	1013.2	992.5	[illegible]	22.1	14.8	8.4	11.2	43	+ 6	2.6	+0.5	2.2	0	0	15	03	2	1	1	0	1	2	5	13	0
	2330	177	1015.5	994.4		13.8	10.3	6.2	9.8	62	..	1.0	..	1.1	0	0	5	01	2	2	0	0	0	0	0	23	0
ANUPGARH	0830	154	1014.9	996.6	.	13.6	10.6	7.2	10.9	67	..	2.3	..	3.7	0	0	17	04	3	6	1	1	1	0	1	3	0
	1730	154	1011.4	993.8	..	24.9	16.5	9.0	12.5	42	..	3.1	..	5.9	0	0	20	05	6	3	1	0	0	1	4	0	0
CHURU	0830	291	1016.6	981.9	+0.3	11.0	7.7	2.7	6.2	59	- 3	1.5	+0.1	3.1	0	0	16	03	1	5	3	1	1	2	0	12	0
	1730	291	1012.1	979.2	+0.2	24.9	15.3	5.8	10.0	32	- 1	1.9	-0.1	7.3	0	1	26	12	2	2	1	1	1	6	2	1	0
BIKANER	0830	224	1016.5	989.9	+0.9	13.4	8.1	- 0.2	6.7	43	-13	2.0	+0.6	5.9	0	0	26	01	1	5	6	4	8	1	0	2	0
	1730	224	1012.4	986.9	+0.7	25.2	13.6	- 0.0	6.5	21	- 9	2.0	+0.5	7.8	0	0	27	04	4	0	0	1	6	2	10	1	0
BIKANER P.B.O.	0530	224	1014.3	987.5	..	10.2	6.5	0.8	7.0	54	..	0.9	..	1.4	0	0	7	02	2	0	0	1	0	1	1	21	0
	1130	224	1016.0	990.3	..	22.3	12.4	- 0.9	6.5	25	..	1.5	..	4.3	0	0	25	03	6	4	1	1	3	6	1	3	0
	1430	224	1012.9	987.5	..	25.5	13.3	- 3.7	5.2	16	..	1.7	..	6.0	0	1	25	02	6	1	1	2	3	5	6	2	0
	2030	224	1014.2	988.1	..	18.8	11.1	1.6	7.3	34	..	1.4	..	2.5	0	0	10	06	2	0	0	0	0	1	1	18	0
	2330	224	1015.1	988.7	..	15.1	9.1	1.3	6.9	40	..	1.0	..	4.1	0	1	14	06	5	0	0	2	0	0	2	13	0
NAGAUR	0830	298	1016.2	981.3	-0.1	15.7	10.4	3.6	8.6	47	+ 1	2.0	+0.7	6.1	0	0	24	04	5	5	2	3	3	1	1	4	0
	1730	298	1011.6	978.0	-0.2	25.7	15.7	5.7	10.0	32	+ 4	2.0	+0.3	8.6	0	1	27	08	3	1	0	2	6	2	6	0	0
PHALODI	0830	234	1016.1	988.4	+0.3	14.1	8.5	0.2	7.6	43	-11	1.3	-0.5	11.8	1	0	27	01	2	4	5	8	6	1	1	0	0
	1730	234	1012.9	986.5	+0.6	26.2	14.8	2.7	7.9	23	-15	1.3	-0.9	10.6	0	1	27	04	4	1	1	3	6	4	5	0	0
JAISALMER	0830	242	1015.7	987.0	+0.2	12.7	7.5	- 0.1	6.8	44	-12	0.8	-0.4	7.3	0	1	21	05	7	0	0	3	2	0	5	6	0
	1730	242	1011.5	984.2	+0.2	26.1	14.6	1.2	7.3	21	-18	0.8	-0.6	10.0	0	1	26	05	9	0	0	2	2	3	6	1	0
JODHPUR	0230	224	1013.8	987.5	..	16.1	9.4	- 0.2	6.5	34	..	0.8	..	13.5	0	3	25	10	8	0	0	0	5	4	1	0	0
	0530	224	1013.8	987.4	..	14.1	8.5	0.6	6.9	42	..	0.7	..	11.1	0	1	25	09	12	1	0	0	2	1	1	2	0
	0830	224	1015.9	989.3	+0.3	13.9	8.4	0.4	6.9	41	- 3	1.9	+0.0	10.6	0	0	27	04	15	2	0	2	0	2	1	1	1
	1130	224	1015.6	989.9	..	24.0	13.3	0.3	6.8	22	..	1.5	..	13.2	0	5	20	01	8	7	2	0	4	1	2	3	0
	1430	224	1012.6	987.3	..	28.0	15.0	- 0.6	6.5	18	..	2.1	..	14.9	0	5	23	04	5	5	0	0	7	3	3	0	1
	1730	224	1011.5	986.2	+0.2	27.5	14.3	- 2.5	5.5	15	- 5	2.1	-0.2	13.6	0	4	23	05	3	4	0	2	5	4	3	1	1
	2030	224	1013.5	987.7	..	21.3	12.1	1.6	7.1	28	..	1.4	..	9.2	0	0	27	08	5	0	0	1	4	4	5	1	0
	2330	224	1014.3	988.2	..	18.5	10.6	0.2	6.6	30	..	1.0	..	12.9	0	3	23	08	9	0	0	1	4	3	1	2	0
BARMER	0530	194	1012.7	989.9	..	16.2	10.6	3.[illegible]	8.5	45	..	0.4	..	6.0	0	1	22	02	0	0	0	0	1	5	15	5	0
	0830	194	1014.5	991.6	-0.5	15.4	10.6	4.9	9.3	51	+ 1	1.4	-0.2	4.3	0	0	19	01	1	0	0	0	1	1	15	9	0
	1130	194	1015.0	992.7	..	22.2	15.1	7.5	11.0	38	..	1.5	..	6.0	0	0	27	07	10	2	2	1	2	3	0	1	0
	1730	194	1010.7	988.8	-0.5	27.4	16.9	7.2	11.1	30	+ 2	1.6	-0.1	6.4	0	0	27	02	8	2	1	0	4	5	5	1	0
	2330	194	1013.8	991.2	..	19.6	12.4	4.4	8.8	39	..	0.7	..	5.4	0	0	25	02	0	0	0	0	0	8	15	3	0
JAWAI BANDH	0830	295	1015.3	980.6	+0.3	14.5	9.8	4.1	8.7	52	- 9	2.0	+0.8	3.6	0	0	22	00	1	1	9	5	6	0	0	6	0
	1730	295	1010.8	978.0	+0.2	26.7	16.0	5.7	9.4	27	- 6	2.0	+0.8	3.8	0	0	28	06	3	0	0	0	8	5	6	0	0
JALORE	0830		..	..	..	15.5	9.4	1.2	7.4	40	..	1.4	..	4.1	0	0	24	02	2	1	2	4	4	0	9	4	0
	1730		..	..	..	27.9	15.2	1.1	7.1	20	..	1.0	..	7.9	0	1	26	02	6	0	1	2	6	0	10	1	0
RAJASTHAN, EAST																											
PILANI	0830	301	1016.7	980.9	-0.8	11.2	7.5	1.8	7.7	55	+ 1	2.0	+1.0	6.4	0	0	25	00	1	3	5	6	6	2	2	3	0
	1730	301	1012.2	978.2	-0.4	24.6	12.9	- 3.1	5.4	18	- 9	2.2	+0.7	11.6	0	5	23	07	3	2	2	0	2	4	8	0	0
SIKAR	0830	433	1016.1	965.4	+0.3	12.1	7.3	- 0.1	6.7	47	-20	1.0	-0.5	0.1	0	0	2	00	0	0	0	0	0	2	0	26	0
	1730	433	1010.7	963.0	-0.5	25.0	13.5	- 2.9	5.5	18	-27	1.1	-0.9	0.8	0	0	10	00	0	0	0	0	0	6	4	18	0
ALWAR	0830	271	1015.5	983.6	+0.1	13.8	11.2	8.6	11.6	72	+ 3	2.2	+0.8	0.8	0	0	7	02	2	0	1	0	0	0	1	21	1
	1730	271	1011.2	981.2	+0.1	24.8	17.6	12.1	14.4	46	+15	2.1	+0.4	2.4	0	0	25	10	4	5	1	1	0	1	3	3	0
JAIPUR (SANGANER)	0230	390	1013.6	968.1	..	13.6	9.0	3.2	7.9	50	..	1.5	..	5.8	0	1	[illegible]	03	4	4	0	0	0	1	7	9	0
	0530	390	1013.8	968.0	..	11.9	8.1	3.5	8.1	57	..	1.3	..	5.4	0	1	19	05	5	3	0	0	0	2	5	8	0
	0830	390	1015.6	970.1	+0.0	14.8	9.9	4.1	8.4	50	+ 1	1.8	+0.1	4.4	0	1	17	02	5	4	1	0	0	2	4	10	0
	1130	390	1015.0	970.8	..	23.0	13.5	3.0	7.9	29	..	1.8	..	9.3	0	2	24	00	5	6	3	1	2	5	4	2	0
	1430	390	1011.6	968.0	..	26.0	14.4	1.4	7.0	21	..	2.1	..	9.9	0	0	28	02	2	2	1	3	4	9	5	0	0
	1730	390	1011.0	967.3	-0.2	25.0	14.5	3.3	8.1	26	- 2	2.3	+0.1	6.4	0	0	26	03	0	2	3	2	3	7	6	2	0
	2030	390	1013.7	968.7	..	17.9	11.7	4.9	9.0	43	..	1.7	..	5.1	0	0	21	08	2	0	0	1	2	1	7	7	0
	2330	390	1014.4	969.1	..	15.3	10.2	4.1	8.5	48	..	1.5	..	5.1	0	0	21	08	3	2	1	0	1	1	5	7	0
DHOLPUR	0830	176	1014.5	993.7	-0.6	15.2	10.1	3.9	8.5	49	-14	0.7	-0.9	0.9	0	0	9	00	0	1	1	1	0	5	1	19	0
	1730	176	1009.9	990.0	-1.3	25.9	15.3	5.0	8.9	27	-14	0.7	-1.7	1.9	0	0	9	00	1	1	1	0	0	5	1	19	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - FEBRUARY 1969 (MAGHA 12 - PHALGUNA 9, 1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or Mt. in gpm. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN, EAST (CONTD.)																											
AJMER	0830	486	1016.3	959.9	+0.3	13.6	9.0	3.9	8.4	52	- 1	1.9	+0.2	2.9	0	1	13	02	3	1	0	0	1	2	5	14	0
	1730	486	1011.1	957.0	+0.1	25.2	13.0	- 0.9	6.1	20	- 5	2.6	+0.5	8.5	0	1	26	01	3	1	1	2	5	12	2	1	0
TONK	0830	272	1015.2	983.2	-0.4	13.6	9.3	3.6	8.5	52	-14	1.6	+0.5	5.0	0	0	28	02	2	1	4	1	2	5	11	0	0
	1730	272	1010.6	979.7	-0.3	26.2	15.3	3.8	8.9	26	- 8	1.4	-0.2	4.6	0	0	28	06	0	2	1	5	1	8	5	0	0
BHILWARA	0830	425	1016.2	966.6	..	13.8	8.7	1.8	7.4	46	..	2.1	..	2.5	0	0	22	05	3	0	0	1	7	1	5	6	0
	1730	425	1011.1	963.7	..	26.1	14.0	0.6	6.5	19	..	1.8	..	4.1	0	0	24	05	5	1	2	0	4	1	6	4	0
KOTA	0830	257	1015.4	985.4	-0.1	16.0	11.3	6.2	9.8	54	+ 3	1.6	+0.0	1.4	0	0	7	00	0	3	0	0	1	1	2	21	0
	1730	257	1011.3	982.4	+0.2	26.6	15.9	6.0	9.5	30	+ 5	1.8	-0.1	2.6	0	1	11	02	3	0	1	0	1	1	4	16	0
KOTA AERODROME	0530	274	1013.5	981.4	..	15.5	9.3	1.0	6.8	39	..	0.1	..	4.3	0	0	23	00	1	2	0	0	6	6	8	5	0
	0830	274	1015.6	983.8	..	17.4	10.4	1.3	7.2	36	..	1.5	..	4.7	0	0	21	00	2	3	1	0	6	6	3	7	0
	1130	274	1015.7	984.5	..	23.7	13.6	2.1	7.5	26	..	1.4	..	10.0	0	3	23	02	4	10	3	0	2	1	4	2	0
	1730	274	1011.2	980.4	..	26.8	14.3	- 0.5	6.2	18	..	2.0	..	12.9	0	4	24	10	8	4	0	0	5	1	0	0	0
	2330	274	1014.3	982.6	..	19.0	10.9	0.1	6.6	30	..	0.5	..	8.9	0	2	24	01	2	11	0	1	6	1	4	2	0
CHAMBAL (RAWAT BHATTA DAM)	0830	351	1015.6	974.8	-0.1	16.2	10.5	3.9	8.3	45	- 6	1.1	+0.2	0.6	0	0	4	00	1	0	0	2	0	0	1	24	0
	1730	351	1010.6	971.5	+0.0	27.1	14.9	1.7	7.2	21	- 6	1.1	-0.1	7.9	0	1	27	04	6	0	0	3	7	0	8	0	0
UDAIPUR	0230	582	1014.8	947.7	..	13.6	9.4	4.9	8.8	57	..	0.4	..	0.6	0	0	4	00	0	0	0	0	1	2	1	24	0
	0530	582	1015.2	947.4	..	12.0	8.6	5.0	9.0	63	..	0.3	..	0.4	0	0	3	00	0	0	0	0	1	1	1	25	0
	0830	582	1016.2	949.4	+0.3	15.4	10.0	4.1	8.5	48	- 7	1.3	+0.2	1.0	0	0	8	00	1	0	0	0	1	0	6	20	0
	1130	582	1014.9	950.0	..	23.7	13.1	2.3	7.5	26	..	1.5	..	4.4	0	0	22	04	6	6	1	0	3	0	2	6	0
	1730	582	1010.5	946.4	+0.1	26.0	14.2	2.9	7.8	24	- 5	1.5	+0.0	5.1	0	0	23	00	2	5	3	1	9	3	0	5	0
	2330	582	1015.2	948.6	..	15.6	10.4	5.3	9.2	51	..	0.8	..	0.6	0	0	4	00	0	1	0	0	0	3	0	24	0
JHALAWAR	0830		(R)																								
	1730		(R)																								
BANSWARA	0830	220	..	..	..	19.0	12.4	6.0	9.6	41	..	0.0	..	..	.	..	..	00	0	1	7	1	0	0	0	0	0
	1730	220	..	..	..	29.6	18.2	8.8	11.7	28	..	0.2	..	..	.	..	..	00	0	0	0	0	2	3	4	0	0
DUNGARPUR	0830		..	..	..	17.0	11.5	4.7	9.3	48	..	1.3	..	0.2	0	0	3	00	1	0	0	0	1	1	0	25	0
	1730		..	..	..	28.2	16.3	4.6	8.9	23	..	1.8	..	1.4	0	0	14	00	0	2	1	0	11	0	0	14	0
MADHYA PRADESH, WEST																											
GWALIOR	0230	207	1013.7	989.2	..	12.4	8.4	3.4	8.2	55	..	1.2	..	3.7	0	0	20	00	0	0	10	5	0	1	4	8	0
	0530	207	1013.9	989.2	..	10.8	7.6	3.4	8.2	61	..	1.2	..	3.2	0	0	18	02	1	0	4	4	2	2	3	10	0
	0830	207	1015.7	991.4	+0.2	15.5	10.3	3.9	8.6	48	- 5	2.3	+0.4	3.3	0	0	18	05	0	1	5	0	3	0	4	10	0
	1130	207	1015.5	991.9	..	23.8	13.6	1.8	7.7	25	..	2.1	..	8.4	0	0	26	04	3	2	3	2	0	3	9	2	0
	1430	207	1012.3	988.9	..	27.0	14.5	0.1	6.5	18	..	1.5	..	9.5	0	1	24	06	1	0	3	1	0	2	12	3	0
	1730	207	1011.5	988.1	+0.0	25.9	14.2	0.7	6.7	20	- 8	2.1	-0.1	7.8	0	1	25	11	1	1	3	1	0	0	9	2	0
	2030	207	1013.8	989.7	..	17.9	11.7	4.8	9.0	43	..	1.3	..	2.1	0	0	10	02	0	0	1	0	3	1	3	18	0
	2330	207	1014.6	990.1	..	14.2	9.7	4.4	8.8	53	..	1.0	..	3.1	0	0	18	02	0	0	4	5	3	1	3	10	0
SHEOPUR	0830	235	1015.8	988.2	+0.5	14.0	9.4	3.6	8.2	51	- 7	1.6	-0.4	4.4	0	0	25	09	4	0	8	3	1	0	0	3	0
	1730	235	1011.0	984.6	+0.7	27.4	16.0	5.8	9.5	25	+ 1	2.0	-0.2	6.4	0	0	28	02	2	0	0	0	7	4	13	0	0
SHIVPURI	0830	464	1015.7	962.0	..	15.[illegible]	9.5	2.9	7.7	46	..	1.1	..	3.5	0	0	20	05	6	2	1	1	1	4	0	8	0
	1730	464	1010.8	959.1	..	25.6	13.4	0.4	6.2	21	..	1.8	..	5.4	0	0	24	06	5	2	0	0	1	8	2	4	0
NOWGONG	0830	229	1016.2	989.2	+0.3	13.9	10.2	6.0	9.7	60	-10	2.3	+0.5	2.4	0	0	20	04	3	1	4	4	1	2	1	8	0
	1730	229	1011.6	985.9	+0.4	27.2	15.7	5.1	9.1	24	- 4	2.4	+0.3	5.9	0	0	27	08	4	4	0	1	1	3	6	1	0
GUNA	0530	478	1014.7	958.9	..	12.4	8.3	3.5	8.2	56	..	1.2	..	3.4	0	0	18	02	1	7	5	3	0	0	0	10	0
	0830	478	1015.6	960.7	+0.1	17.7	11.1	4.2	8.2	42	-16	1.6	-0.1	3.7	0	0	25	04	0	12	1	4	0	4	0	3	0
	1130	478	1014.7	961.3	..	25.4	14.5	4.5	8.8	27	..	1.4	..	6.9	0	1	26	05	5	8	0	3	1	3	2	1	0
	1430	478	1010.9	958.2	..	28.1	15.5	4.2	8.6	23	..	1.9	..	7.1	0	0	27	08	2	2	0	2	4	4	5	1	0
	1730	478	1010.3	957.4	-0.1	26.7	14.9	4.1	8.4	24	- 3	2.5	+0.8	7.1	0	0	28	06	3	1	0	3	0	9	6	0	0
	2330	478	1014.6	959.6	..	16.3	10.3	3.9	8.4	45	..	0.8	..	2.9	0	0	20	03	3	6	3	2	0	2	1	8	0
NIMACH	0830	496	1016.1	958.9	-0.2	16.1	9.0	- 0.1	6.4	35	- 8	1.8	+0.1	3.3	0	0	19	00	12	3	0	0	1	1	2	9	0
	1730	496	1010.9	956.1	+0.0	27.1	13.5	- 1.7	5.6	16	- 7	1.5	-0.7	8.5	0	1	24	01	6	3	0	0	5	8	2	3	0
RAJGARH	0830	382	1015.7	971.2	+0.0	15.0	10.0	4.0	8.3	49	+ 1	0.4	-0.6	1.9	0	0	16	04	0	5	2	4	1	0	0	12	0
	1730	382	1009.8	967.6	-0.3	29.5	16.4	2.9	8.0	20	+ 2	0.2	-0.9	8.1	0	0	28	12	2	0	0	1	4	7	2	0	0
SAGAR	0830	551	1015.6	952.5	+0.5	16.3	11.3	6.5	9.8	53	+ 7	1.9	+0.5	6.4	0	0	28	00	7	7	0	0	6	7	1	0	0
	1730	551	1010.2	949.5	+0.4	26.5	16.8	9.7	12.3	36	+10	1.2	-0.8	7.9	0	0	28	00	9	10	0	0	3	4	2	0	0
RATLAM	0830	486	1015.2	959.6	+0.4	18.0	12.7	7.9	10.9	53	+ 4	2.0	+0.4	9.1	0	3	20	02	7	6	0	3	1	2	2	5	0
	1730	486	1009.9	956.4	+0.1	28.5	19.6	13.7	16.4	42	+13	2.0	-0.1	9.5	0	4	23	00	6	7	0	1	3	6	4	1	0
BHOPAL (BAIRAGARH)	0230	523	1013.0	953.2	..	17.2	10.7	3.9	8.3	42	..	1.3	..	6.8	0	0	25	07	10	1	0	1	0	1	5	3	0
	0530	523	1013.3	953.2	..	15.4	10.0	4.3	8.5	49	..	1.3	..	6.3	0	0	23	06	7	2	2	0	1	2	3	5	0
	0830	523	1015.1	955.4	-0.2	18.1	11.6	5.1	9.0	44	- 3	2.4	+1.0	5.8	0	1	18	04	8	2	2	1	1	0	1	9	0
	1130	523	1013.8	955.8	..	26.1	15.7	7.1	10.5	31	..	2.1	..	9.8	0	0	26	05	6	5	6	1	1	2	0	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — FEBRUARY, 1969 (MAGHA 12 - PHALGUNA 9, 1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or 1 km. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.) 62 or more	Wind Speed 20 to 61	Wind Speed 1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, WEST (CONTD)																											
BHOPAL(BAIRAGARH)	1430	523	1009.9	952.7	..	29.4	17.3	7.7	11.0	27	..	2.2	..	12.0	0	3	22	03	5	2	1	3	5	4	2	3	0
	1730	523	1009.5	952.0	-0.1	28.6	16.7	7.1	10.5	27	+ 4	2.6	+0.8	10.0	0	2	25	05	3	2	1	0	3	6	7	1	0
	2030	523	1012.5	953.9	..	22.7	13.7	5.5	9.3	34	..	2.3	..	6.8	0	0	23	07	6	0	1	2	2	2	3	5	0
	2330	523	1013.6	954.3	..	19.6	12.0	4.7	8.8	38	..	2.0	..	6.5	0	0	22	08	7	1	0	0	0	3	3	6	0
UJJAIN	0830	489	1016.1	959.2	..	13.8	9.2	4.3	8.6	54	..	2.6	..	0.7	0	0	7	00	3	2	2	0	0	0	0	21	0
	1730	489	1009.6	955.8	..	28.8	15.8	4.5	8.6	22	..	2.3	..	10.4	0	5	20	02	4	1	0	0	1	11	6	3	0
NARSINGHPUR	0830	356	1015.1	973.7	..	16.2	10.9	5.0	9.1	49	..	1.8	..	0.9	0	0	13	01	8	1	2	0	0	1	0	15	0
	1730	356	1009.4	970.0	..	29.7	17.1	5.4	9.4	23	..	2.4	..	1.9	0	0	23	01	8	1	0	0	3	5	5	5	0
HOSHANGABAD	0830	302	1015.1	980.2	+0.1	18.4	11.8	4.1	8.6	41	-10	2.0	+0.4	2.8	0	0	28	00	0	0	10	0	15	0	3	0	0
	1730	302	1009.1	975.6	-0.6	30.2	16.6	3.2	7.9	19	- 6	2.1	+0.2	2.0	0	0	28	00	10	0	1	1	5	0	11	0	0
INDORE	0530	567	1013.4	948.1	..	14.1	10.3	6.2	10.0	62	..	0.8	..	6.9	0	0	23	02	1	7	1	3	5	2	2	5	0
	0830	567	1015.0	950.3	+0.2	17.0	12.5	8.2	11.5	58	+11	2.2	+1.0	6.6	0	0	21	02	4	7	0	1	2	2	3	7	0
	1130	567	1013.6	950.9	..	25.9	18.3	12.4	14.4	47	..	1.6	..	10.7	0	2	23	02	7	6	0	1	1	3	3	3	2
	1730	567	1008.9	946.9	-0.1	28.8	19.8	13.2	15.2	43	+24	2.0	+0.3	12.9	0	3	25	02	5	2	0	0	7	8	4	0	0
	2330	567	1013.3	949.4	..	18.5	13.4	8.7	12.0	55	..	1.4	..	9.1	0	1	24	03	4	5	0	1	2	3	7	3	0
RAJPUR(JHABUA)	0830	293	1015.6	981.6	+0.4	17.4	11.1	3.7	8.4	42	-13	1.7	+0.8	0.1	0	0	2	00	0	0	0	0	0	2	0	26	0
	1730	293	1010.3	977.8	+0.0	29.9	16.0	1.3	7.0	17	- 4	1.6	+0.6	2.2	0	0	12	00	0	0	0	0	0	12	0	16	0
CHHINDWARA	0830	685	1014.9	937.5	+0.1	18.2	12.6	7.7	10.7	51	- 1	1.8	+0.5	4.4	0	0	26	01	6	10	1	1	2	3	2	2	0
	1730	685	1008.0	933.9	-0.2	29.2	17.8	9.8	12.4	30	+ 5	2.9	+0.9	3.3	0	0	21	02	0	10	2	0	0	5	2	7	0
SEONI	0830	619	1014.6	944.8	+0.2	19.4	12.5	6.0	9.8	42	-12	1.8	+0.1	5.2	0	0	23	03	8	1	2	5	4	0	0	5	0
	1730	619	1008.5	941.3	-0.3	29.2	16.5	6.0	9.6	24	-10	2.0	-0.2	9.1	0	0	28	07	2	2	1	7	4	5	0	0	0
BETUL	0830	653	1014.6	941.1	+0.2	19.4	12.1	5.0	9.0	40	- 6	1.9	+0.5	2.9	0	0	17	00	5	5	7	0	0	0	0	11	0
	1730	653	1008.4	937.5	+0.1	29.2	15.6	3.2	7.8	19	- 4	2.4	+0.5	5.6	0	0	28	09	3	1	1	2	0	3	9	0	0
KHANDWA	0830	318	1014.9	978.1	+0.3	17.7	11.7	5.0	8.9	43	- 1	1.8	+0.7	2.5	0	0	15	03	3	0	0	0	1	5	3	13	0
	1730	318	1008.2	973.6	-0.3	31.6	18.7	8.1	11.1	24	+ 1	2.1	+0.5	4.0	0	0	25	04	4	0	0	1	3	2	11	3	0
TIKAMGARH	0830	346	1016.2	975.6	..	13.0	10.4	7.6	10.7	71	..	1.8	..	3.5	0	0	25	02	5	2	4	3	7	2	0	3	0
	1730	346	1011.3	972.5	..	25.9	17.5	11.0	13.6	40	..	1.5	..	5.2	0	0	27	06	9	1	2	0	5	2	2	1	0
MADHYA PRADESH, EAST																											
SATNA	0530	317	1013.9	976.5	..	13.8	9.1	4.0	8.7	56	..	0.4	..	1.1	0	0	14	01	1	2	2	1	1	3	3	14	0
	0830	317	1015.5	978.7	+0.4	17.5	11.4	4.0	8.9	44	-20	1.8	+0.1	1.2	0	0	15	01	1	2	1	0	1	7	2	13	0
	1130	317	1014.5	978.7	..	25.3	14.3	1.6	7.4	24	..	1.9	..	4.1	0	0	26	02	3	7	0	2	1	7	4	2	0
	1430	317	1010.9	975.6	..	28.4	15.2	- 0.2	6.7	18	..	2.1	..	4.7	0	0	27	01	1	5	0	2	1	11	6	1	0
	1730	317	1010.8	975.3	+0.2	26.6	14.8	1.7	7.9	21	-15	2.4	+0.5	3.5	0	0	27	04	0	2	0	0	0	17	4	1	0
	2330	317	1014.1	977.3	..	17.2	11.3	4.1	8.9	45	..	0.5	..	1.6	0	0	12	00	0	5	0	0	0	3	4	16	0
REWA	0830	299	1015.0	980.1	..	16.2	12.1	7.7	11.1	59	..	2.4	..	1.1	0	0	14	01	2	0	0	2	6	2	1	14	0
	1730	299	1010.7	977.2	..	27.2	17.6	9.5	12.6	34	..	2.9	..	2.1	0	0	23	10	1	0	0	0	0	2	10	5	0
SIDHI	0830	109	1015.1	983.5	+0.2	17.4	13.0	8.6	11.8	60	- 6	1.3	+0.3	0.2	0	0	2	01	0	0	0	0	0	0	1	26	0
	1730	109	1009.9	979.4	-0.5	26.8	17.0	8.5	11.7	33	- 3	1.5	+0.6	1.4	0	0	15	04	1	2	0	2	0	0	6	13	0
UMARIA	0830	459	1015.5	962.6	-1.0	16.5	12.2	8.3	11.4	59	- 4	2.6	+0.8	1.9	0	0	24	03	2	6	4	8	0	1	0	4	0
	1730	459	1009.9	959.1	-1.3	27.6	18.1	11.4	14.2	38	+ 3	3.3	+1.3	3.0	0	0	26	05	4	2	0	0	3	0	12	2	0
JABALPUR	0530	393	1013.5	967.8	..	14.1	11.1	7.9	11.0	67	..	0.8	..	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
	0830	393	1015.3	970.1	+0.2	18.1	12.5	6.6	10.1	48	-16	2.1	+0.4	2.7	0	0	18	02	2	3	6	3	1	1	0	10	0
	1130	393	1013.9	970.2	..	26.5	16.1	6.4	10.1	29	..	2.3	..	4.9	0	0	24	05	6	1	1	3	2	1	5	4	0
	1430	393	1010.0	966.8	..	29.9	17.5	6.3	10.1	24	..	2.8	..	6.1	0	0	27	04	6	0	2	2	0	5	8	1	0
	1730	393	1009.8	966.4	-1.0	28.3	17.5	8.2	11.3	30	- 2	2.9	+1.1	2.9	0	0	17	03	7	0	1	1	0	2	3	11	0
	2030	393	1012.7	968.1	..	21.7	15.3	9.6	12.3	47	..	1.7	..	1.6	0	0	7	01	3	2	1	0	0	0	0	21	0
	2330	393	1013.6	968.6	..	19.8	13.6	8.5	11.5	52	..	1.1	..	2.1	0	0	12	01	7	0	2	2	0	0	0	16	0
AMBIKAPUR	0830	611	1015.3	946.1	+0.3	18.2	12.7	7.6	10.9	51	-14	1.3	+0.2	2.9	0	1	12	01	4	2	3	2	0	1	0	15	0
	1730	611	1009.8	942.7	+0.0	25.9	15.7	6.9	10.5	32	- 1	2.7	+1.5	6.2	0	0	26	15	0	1	0	2	0	7	1	1	0
JASHPURNAGAR	0830	779	1014.7	927.8	..	19.2	12.6	6.2	10.0	44	..	0.8	..	1.4	0	0	13	03	3	0	0	0	1	0	6	15	0
	1730	779	1009.3	924.5	..	25.4	15.5	7.0	10.5	34	..	2.2	..	2.1	0	0	18	01	2	0	0	0	8	1	6	10	0
PENDRA	0530	625	1013.6	942.5	..	16.0	10.5	4.5	8.9	48	..	1.5	..	2.8	0	0	13	06	0	0	0	3	0	0	4	15	0
	0830	625	1014.8	944.7	+0.3	20.5	12.6	4.7	9.0	37	-18	1.3	+0.3	5.0	0	0	16	06	0	0	0	7	1	1	1	12	0
	1130	625	1013.3	944.6	..	26.1	14.8	4.1	8.2	25	..	1.5	..	31.8	1	4	22	08	2	1	0	8	4	1	3	1	0
	1430	625	1009.4	941.5	..	28.6	15.9	4.4	8.8	23	..	1.7	..	13.9	0	8	19	10	1	0	0	9	3	1	3	1	0
	1730	625	1009.7	941.3	-0.1	26.6	15.3	5.1	9.3	26	-12	2.5	+0.1	9.3	0	0	26	12	1	1	0	7	4	0	1	2	0
	2330	625	1013.9	943.5	..	19.2	12.3	5.4	9.4	42	..	1.4	..	4.1	0	0	22	08	0	2	2	2	1	2	5	6	0
MANDLA	0830	443	1015.4	964.5	+0.0	17.0	12.9	8.9	11.8	68	-14	1.6	+0.0	0.3	0	0	2	01	0	0	0	0	0	0	1	26	0
	1730	443	1009.3	960.6	+0.0	28.8	18.4	10.0	12.9	33	+ 3	2.8	+0.0	4.6	0	0	19	06	0	0	0	8	0	0	5	9	0
CHAMPA	0830	245	1014.9	986.6	+0.1	20.3	14.1	8.1	11.3	47	- 8	2.0	+0.6	4.7	0	0	19	09	0	3	0	0	0	1	6	9	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - -FEBRUARY ,1969(MAGHA 12 - PHALGUNA 9,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or At in gen. of mean standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind speed (Km. p. h.) 0 to 5	6 to 20	21 to 39	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH,EAST (CONTD.)																											
CHAMPA	1730	249	1009.3	982.2	-0.4	31.5	18.4	7.4	10.8	23	- 3	2.6	+0.8	6.5	0	1	20	05	1	2	0	1	0	10	2	7	0
RAIGARH	0830	220	1014.7	989.4	+0.3	21.9	14.8	8.1	11.2	42	-11	1.9	+0.6	3.8	0	0	28	00	25	1	2	0	0	0	0	0	0
	1730	220	1009.6	985.1	+0.0	30.9	18.5	8.3	11.4	25	- 3	2.3	+1.0	2.8	0	0	24	01	7	0	4	0	4	1	7	4	0
RAIPUR	0530	298	1012.3	978.0	..	19.2	13.9	9.1	11.8	53	..	0.8	..	1.9	0	0	12	02	2	1	1	2	0	4	0	16	0
	0830	298	1014.5	980.6	+0.3	22.8	15.1	8.0	11.3	40	-15	1.5	-0.2	5.3	0	0	26	05	8	2	2	2	3	4	0	2	0
	1130	298	1013.6	980.4	..	29.6	18.1	8.3	11.6	28	..	1.4	..	6.0	0	0	27	03	5	4	1	3	4	7	0	1	0
	1430	298	1009.8	977.0	..	32.2	19.2	8.5	11.6	23	..	2.0	..	6.6	0	1	24	00	3	1	1	5	2	7	6	3	0
	1730	298	1009.5	976.6	-0.2	31.0	18.9	9.3	12.4	27	- 4	2.6	+1.2	4.5	0	0	26	04	1	0	0	4	8	7	2	2	0
	2030	298	1011.8	978.3	..	26.3	17.5	10.4	13.0	37	..	1.0	..	0.9	0	0	6	00	1	0	1	3	0	1	0	22	0
	2330	298	1012.5	978.7	..	23.3	16.0	9.8	12.4	43	..	0.6	..	3.6	0	0	22	04	2	5	0	2	5	3	1	6	0
KANKER	0830	402	1014.5	969.1	+0.2	22.6	17.2	13.2	15.5	56	-11	1.1	-0.8	0.3	0	0	2	00	0	0	0	0	0	2	0	26	0
	1730	402	1008.9	965.0	-0.4	31.2	20.9	14.1	16.3	36	+ 0	1.7	-0.3	3.2	0	0	20	01	2	0	0	0	0	5	12	8	0
JAGDALPUR	0530	553	1012.9	950.1	..	17.0	13.9	11.5	13.7	70	..	0.5	..	0.5	0	0	4	00	0	1	0	1	1	1	0	24	0
	0830	553	1014.4	952.5	+0.4	21.8	16.0	11.8	14.0	54	-12	1.9	+0.4	1.3	0	0	9	00	0	0	3	4	2	0	0	19	0
	1130	553	1012.0	951.8	..	30.2	18.1	9.3	11.9	28	..	1.5	..	4.4	0	0	22	02	1	1	1	4	7	2	4	6	0
	1430	553	1008.0	948.6	..	32.7	18.4	7.8	10.8	22	..	2.6	..	5.8	0	0	25	02	2	2	0	4	7	3	5	3	0
	1730	553	1008.3	948.4	-0.1	30.5	18.3	9.6	12.1	28	- 8	3.4	+1.3	5.3	0	0	22	01	0	0	0	9	7	4	1	6	0
	2030	553	1011.8	950.6	..	25.1	17.1	11.6	13.8	43	..	1.1	..	0.7	0	0	4	00	0	0	0	1	2	1	0	24	0
	2330	553	1012.9	951.1	..	21.9	15.8	11.3	13.6	52	..	0.5	..	2.8	0	0	13	00	0	0	4	5	3	0	1	15	0
GUJARAT REGION(INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																											
DEESA	0830	136	1015.0	998.9	+0.3	14.7	11.0	6.5	10.1	61	+12	2.4	+0.8	4.1	0	0	17	00	13	0	2	0	1	0	1	11	0
	1730	136	1011.3	995.9	+0.4	28.6	17.1	6.9	10.2	27	+ 6	0.4	-1.2	9.9	0	1	27	01	8	0	0	0	8	0	9	0	2
RADHANPUR	0830	30	1014.9	1011.3	-0.2	15.7	13.6	11.7	13.7	77	+11	0.0	-0.6	1.6	0	0	22	10	2	1	0	1	3	4	1	6	0
	1730	30	1011.3	1007.9	-0.8	29.1	24.3	21.3	26.3	67	+26	0.7	+0.2	1.5	0	0	20	04	3	0	0	0	1	8	4	8	0
IDAR	0830	219	1014.6	989.4	-0.2	19.5	11.3	- 0.9	6.8	32	- 5	1.3	+0.4	5.4	0	2	13	07	5	1	0	0	0	2	0	13	0
	1730	219	1010.8	986.3	-0.1	28.6	15.4	0.4	6.8	18	- 5	1.5	+0.7	5.1	0	0	25	01	0	2	2	1	3	14	2	3	0
AHMADABAD	0230	55	1012.9	1006.4	..	18.6	12.4	5.8	9.4	44	..	1.1	..	9.2	0	0	25	05	5	1	0	0	0	5	9	3	0
	0530	55	1012.6	1006.1	..	16.2	11.7	6.6	10.1	55	..	0.9	..	6.9	0	0	22	02	6	1	1	0	0	6	6	6	0
	0830	55	1014.6	1008.1	+0.0	17.5	12.6	7.3	10.7	54	+ 2	1.8	+0.5	6.9	0	0	21	00	5	4	0	0	0	3	9	7	0
	1130	55	1015.3	1009.0	..	26.3	16.2	5.9	9.3	31	..	1.4	..	14.3	0	6	22	05	2	9	0	0	1	4	7	0	0
	1430	55	1012.1	1006.0	..	30.1	17.2	5.2	9.1	22	..	1.8	..	13.1	0	5	23	03	3	7	0	1	2	7	4	0	1
	1730	55	1011.1	1004.9	+0.2	29.9	16.8	4.2	8.5	21	- 3	1.8	+0.5	13.3	0	3	25	05	5	3	0	1	1	6	7	0	0
	2030	55	1012.8	1006.5	..	23.8	15.1	6.9	10.1	34	..	1.5	..	5.4	0	0	20	02	3	1	0	1	3	2	8	8	0
	2330	55	1013.5	1007.1	..	20.7	13.5	6.2	9.7	40	..	1.2	..	5.6	0	0	17	04	3	0	0	0	1	2	7	11	0
DIHAD	0830	333	1015.1	976.7	-0.2	18.1	11.6	4.3	8.3	41	- 7	1.5	+0.4	6.5	0	0	28	01	4	6	5	6	5	1	0	0	0
	1730	333	1009.9	973.1	-0.2	29.6	16.4	3.5	7.9	19	+ 0	1.6	+0.9	13.1	1	4	23	02	6	1	0	0	7	7	5	0	0
VALLABH VIDYANAGAR	0830	44	1014.6	1009.5	..	14.7	12.1	9.3	12.0	72	..	1.1	..	3.1	0	0	21	07	3	1	1	0	1	3	5	7	0
	1730	44	1010.7	1005.8	..	30.2	20.0	12.3	15.1	36	..	1.3	..	6.1	0	1	27	02	4	0	1	1	4	7	9	0	0
BARODA AERODROME	0830	38	1014.9	1010.4	+0.6	18.0	12.0	5.0	9.0	45	- 2	1.5	+0.6	7.0	0	3	17	07	4	0	6	1	0	0	2	8	0
	1130	38	1014.9	1010.6	..	27.3	17.0	7.6	10.8	31	..	1.3	..	8.4	0	2	23	03	6	3	2	0	2	2	4	3	3
BARODA	1730	38	1010.7	1006.5	+0.4	30.5	17.2	4.7	9.0	21	+ 1	1.9	+0.9	12.3	0	2	26	05	3	0	0	0	2	6	12	0	0
	0530	34	1012.5	1008.3	..	17.0	12.2	7.0	10.4	54	..	0.4	..	1.9	0	0	14	04	6	0	0	0	0	0	4	14	0
	0830	34	1014.8	1010.6	+0.1	16.8	12.1	6.9	10.4	55	- 7	1.4	+0.5	1.9	0	0	16	00	13	0	0	0	1	1	1	12	0
	1130	34	1015.2	1011.2	..	28.1	17.3	7.7	10.9	30	..	0.9	..	3.6	0	0	26	05	11	0	2	1	1	2	4	2	0
	1730	34	1010.7	1006.8	+0.3	31.5	18.0	6.3	9.7	22	- 6	1.6	+0.5	4.4	0	0	25	01	5	0	0	0	4	1	14	3	0
	2330	34	1013.4	1009.3	..	21.6	14.6	7.8	10.9	43	..	0.9	..	2.4	0	0	18	01	9	0	0	0	3	0	5	10	0
BROACH	0830		(R)																								
	1730		(R)																								
SURAT	0530	12	1012.5	1011.1	+3.2	17.8	14.3	10.9	13.5	67	+45	0.1	-0.6	5.3	0	0	24	00	21	0	3	0	0	0	0	4	0
	0830	12	1014.7	1013.3	+0.4	18.9	14.6	10.5	13.2	61	- 1	1.0	-0.3	5.1	0	0	27	00	22	0	3	0	0	0	2	1	0
	1130	12	1015.5	1014.1	..	27.8	17.8	9.6	12.6	34	..	1.6	..	9.4	0	1	27	00	18	0	0	0	0	0	10	0	0
	1730	12	1011.0	1009.7	+0.6	30.6	18.7	9.1	11.9	27	- 8	1.6	+0.4	9.1	0	0	28	00	0	0	0	0	6	0	22	0	0
SAURASHTRA AND KUTCH(INCLUDING DIU)	2330	12	1013.7	1012.3	..	21.6	16.4	11.7	14.2	57	..	0.7	..	6.6	0	0	28	00	16	0	3	0	3	0	6	9	0
NALIYA	0830	21	1015.2	1012.6	-0.3	13.6	11.3	8.1	11.5	72	+ 0	1.4	+0.0	4.9	0	0	22	06	5	6	0	1	3	1	0	6	0
	1730	21	1012.3	1009.9	+0.0	26.4	16.7	6.8	9.9	34	+ 2	2.0	+1.3	12.1	0	4	24	02	8	0	0	0	9	8	1	0	0
BHUJ	0230	80	1013.7	1004.2	..	16.7	12.7	7.7	11.5	60	..	0.5	..	5.1	0	0	13	02	0	1	0	0	6	4	0	15	0
	0530	80	1013.6	1004.0	..	14.5	11.8	8.4	11.7	70	..	0.5	..	4.4	0	0	12	02	0	1	0	0	3	6	0	16	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS— -FEBRUARY ,1969(MAGHA 12 - PHALGUNA 9,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or 1 km in gpm. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SURASHTRA AND KUTCH(INCLUDING DIU) (CONTD.)																											
BHUJ(RUDRAMATA)	0830	80	1015.3	1005.7	+0.3	16.1	12.6	8.9	11.8	68	+16	1.2	+0.1	1.4	0	0	6	00	0	0	0	0	4	1	1	22	0
	1130	80	1015.8	1006.6	..	24.2	15.9	7.5	11.4	38	..	1.4	..	13.1	0	5	22	08	7	1	0	0	1	4	5	1	1
	1430	80	1012.7	1003.6	..	28.3	17.2	6.3	9.5	28	..	1.5	..	14.9	0	6	20	05	6	1	0	0	0	6	7	2	1
	1730	80	1011.8	1002.7	+0.4	28.2	16.7	6.0	9.7	26	+ 9	1.4	+0.3	17.4	0	9	19	08	6	0	0	1	2	7	4	0	0
	2030	80	1013.6	1004.3	..	22.5	15.2	7.8	11.4	42	..	0.8	..	10.9	0	5	16	05	1	0	0	0	3	9	3	7	0
	2330	80	1014.5	1005.1	..	19.0	13.7	7.2	11.1	52	..	0.7	..	9.4	0	1	20	05	0	1	0	0	7	6	2	7	0
KANDLA AERODROME	0830	35	1015.6	1011.4	..	17.0	12.5	6.4	10.9	56	..	1.6	..	14.9	0	12	12	06	0	0	1	0	3	2	12	4	0
	1130	35	1016.2	1012.1	..	25.4	15.6	5.0	9.8	31	..	1.3	..	19.2	0	14	14	06	6	2	0	0	1	8	5	0	0
	1730	35	1011.9	1008.0	..	28.2	16.4	3.9	9.1	25	..	1.2	..	22.9	0	22	6	05	4	1	0	7	3	3	5	0	0
NEW KANDLA	0830	14	1015.6	1013.9	-0.1	17.0	12.7	7.4	11.2	58	- 2	1.6	+0.4	8.8	0	0	27	09	3	0	0	1	2	6	6	1	0
	1730	14	1012.5	1010.8	-0.1	26.2	17.6	10.3	13.5	39	+ 3	1.8	+1.1	16.3	0	9	19	04	6	1	0	5	9	3	0	0	0
MANDVI	0830	9	1015.5	1014.4	+0.5	17.1	14.8	10.3	13.4	70	+ 1	2.4	+1.4	14.0	0	4	24	05	6	0	1	0	1	3	12	0	0
	1730	9	1012.8	1011.7	+0.7	23.6	19.3	16.4	18.9	66	- 5	2.8	+2.2	24.1	0	19	9	01	0	0	0	1	14	11	1	0	0
SURENDRANAGAR	0830	74	1015.1	1006.4	+0.7	19.0	14.7	10.1	13.2	60	+ 6	1.3	+0.1	3.2	0	0	9	05	0	0	0	0	0	1	3	19	0
	1730	74	1010.6	1002.5	+0.2	30.1	17.9	7.6	10.6	25	+ 2	0.7	-1.3	3.2	0	0	9	03	0	0	0	0	0	1	5	19	0
OKHA	0530	7	1013.8	1013.0	..	20.4	17.5	15.2	17.6	74	..	0.4	..	20.9	0	14	14	07	3	2	0	1	1	4	10	0	0
	0830	7	1015.6	1014.8	..	20.6	17.6	15.2	17.8	73	..	1.9	..	20.1	0	14	12	04	4	4	1	0	2	1	10	2	0
	1130	7	1016.7	1015.9	..	22.6	18.1	14.5	17.1	65	..	2.3	..	16.9	0	12	16	05	5	4	0	0	0	3	11	0	0
	1730	7	1013.3	1012.5	..	22.9	19.4	16.9	19.7	71	..	2.0	..	19.9	0	16	12	03	0	1	0	0	0	6	18	0	0
	2330	7	1015.2	1014.4	..	21.4	18.5	16.5	19.0	75	..	0.8	..	18.6	0	13	15	07	2	0	0	0	0	8	11	0	0
JAMNAGAR AERODROME	0530	23	1013.6	1011.2	..	14.5	12.3	9.6	12.5	75	..	0.8	..	6.8	0	0	26	04	4	1	0	0	3	7	7	2	0
	0830	23	1015.3	1012.9	+0.5	16.0	13.2	9.9	12.9	71	+11	2.2	+0.6	5.7	0	0	21	04	4	3	1	0	3	3	2	7	1
	1130	23	1016.1	1013.8	..	23.8	16.5	9.8	12.1	44	..	1.8	..	14.0	0	2	26	01	10	3	0	0	0	5	9	0	0
	1730	23	1012.3	1010.0	+0.9	26.1	16.6	7.5	11.5	34	+ 2	1.7	+0.7	17.3	0	9	19	05	6	0	0	0	0	8	9	0	0
	2330	23	1014.5	1012.2	..	18.7	16.0	13.8	16.2	75	..	1.1	..	9.5	0	2	23	04	1	1	0	0	1	7	11	3	0
DWARKA	0830	11	1015.4	1014.1	+0.5	19.4	16.3	13.5	16.0	70	- 2	2.1	+0.3	11.2	0	2	26	09	6	3	0	0	0	3	7	0	0
	1730	11	1013.0	1011.7	+0.5	23.9	18.8	14.6	17.8	61	+ 3	1.8	+0.5	16.6	0	8	20	04	1	1	0	0	0	3	19	0	0
RAJKOT	0530	138	1013.3	997.1	..	15.3	11.6	6.4	10.0	61	..	0.3	..	6.8	0	1	16	00	2	3	1	0	3	3	5	11	0
	0830	138	1015.2	999.1	+0.6	16.9	12.8	7.0	11.2	59	+ 2	0.9	-0.5	11.1	1	2	18	00	7	2	0	0	3	2	6	7	1
	1130	138	1015.4	999.7	..	25.4	15.5	4.8	8.6	31	..	0.8	..	19.1	0	13	15	02	8	2	0	0	0	2	14	0	0
	1430	138	1012.0	996.6	..	29.0	16.2	2.7	8.1	21	..	0.9	..	19.0	0	13	15	02	6	0	0	0	1	3	15	0	1
	1730	138	1011.2	995.7	+0.2	29.1	15.8	1.1	7.2	18	- 1	0.6	-0.7	23.1	0	19	9	04	6	0	0	0	0	3	15	0	0
BHAUNAGAR AERODROME	0830	11	1014.9	1013.6	+0.0	18.1	12.5	6.1	9.8	48	+ 4	1.8	+0.7	14.4	0	7	20	02	0	0	0	0	0	12	13	1	0
	1130	11	1015.5	1014.3	..	26.0	16.3	7.2	10.7	32	..	1.5	..	18.3	0	13	15	10	6	2	0	0	0	3	7	0	0
	1730	11	1011.1	1009.9	+0.2	29.4	17.5	6.7	10.4	26	+ 5	1.8	+0.6	19.9	0	16	12	05	7	10	5	1	0	0	0	0	0
PORBANDER AERODROME	0830	7	1015.1	1014.3	+0.7	18.8	14.7	10.6	13.2	64	- 6	1.8	+0.7	10.1	0	5	19	07	4	3	3	0	0	0	7	4	0
	1130	7	1015.8	1015.0	..	26.5	17.9	10.5	13.6	41	..	1.7	..	21.1	0	19	8	06	7	2	0	0	3	3	6	1	0
	1730	7	1012.1	1011.3	+0.6	27.2	18.7	12.1	14.7	43	-12	1.7	+0.7	24.2	0	25	3	05	1	0	0	0	5	14	3	0	0
KESHOD	0830	51	1014.9	1008.9	-0.3	16.8	12.2	6.0	9.9	55	+ 3	1.9	+1.1	11.6	0	3	22	02	13	10	0	0	0	0	0	3	0
	1130	51	1015.5	1009.6	..	26.3	16.0	5.6	9.8	30	..	1.6	..	18.9	0	11	17	06	13	2	1	0	0	1	5	0	0
	1730	51	1011.3	1005.5	-0.2	29.6	16.9	2.8	7.5	22	+ 0	1.4	+0.9	22.3	0	19	9	04	7	0	0	0	1	13	3	0	0
MAHUVA	0830	9	1013.8	1012.8	..	19.0	13.6	8.0	10.9	52	..	2.4	..	4.6	0	0	23	04	9	1	1	1	0	0	7	5	0
	1730	9	1011.1	1010.1	..	27.8	19.7	14.0	16.0	45	..	2.3	..	6.4	0	1	27	00	1	1	13	8	2	1	0	0	2
VERAVAL	0230	8	1013.2	1012.3	..	18.2	14.2	9.9	12.9	62	..	1.1	..	10.4	0	2	24	16	4	1	0	0	0	2	3	2	0
	0530	8	1012.5	1011.6	..	16.9	13.3	9.2	12.3	65	..	0.9	..	11.6	0	2	25	16	7	0	0	0	0	2	2	1	0
	0830	8	1014.5	1013.6	-0.1	17.6	13.9	9.9	12.9	64	+ 8	2.3	+1.2	9.2	0	2	22	13	7	0	0	0	0	1	3	4	0
	1130	8	1015.3	1014.4	..	27.2	18.3	11.0	13.7	40	..	2.5	..	12.6	0	7	18	08	7	0	0	0	1	5	4	3	0
	1430	8	1012.6	1011.7	..	27.1	20.8	16.4	19.5	56	..	1.8	..	19.7	0	16	12	00	1	0	0	1	3	12	11	0	0
	1730	8	1011.8	1010.9	+0.5	25.2	21.3	19.0	22.1	70	+ 2	1.9	+1.0	20.1	0	19	9	00	1	0	0	0	1	15	11	0	0
	2030	8	1013.3	1012.4	..	22.4	19.4	17.3	20.5	74	..	1.6	..	14.4	0	11	13	02	1	0	0	0	0	3	18	4	0
	2330	8	1014.1	1013.2	..	20.1	16.3	12.8	15.5	66	..	1.5	..	10.9	0	3	23	12	4	0	0	0	0	1	9	2	0
DIU	0830	15	1014.7	1012.9	..	19.8	13.7	8.1	10.6	47	..	2.0	..	6.5	0	0	26	08	4	1	0	0	0	3	10	2	0
	1730	15	1012.5	1010.7	..	25.7	19.7	15.8	18.2	55	..	2.0	..	14.9	0	8	20	00	1	1	0	3	17	6	0	0	0
KONKAN(INCLUDING GOA)																											
DAHANU	0830	5	1013.9	1013.4	+0.9	18.7	16.9	14.7	16.9	75	+ 8	.	..	5.5	0	0	23	08	3	8	6	0	0	1	2	5	0
	1730	5	1010.6	1010.1	+0.3	25.7	22.2	20.3	25.9	73	+ 3	.	..	13.5	0	7	21	07	1	0	0	0	0	0	20	0	0
BOMBAY(SANTACRUZ)	0230	14	1012.0	1010.3	+0.5	20.3	17.3	15.1	17.4	73	+ 3	1.1	+0.6	5.2	0	0	19	06	0	1	0	0	0	1	11	9	0
	0530	14	1011.7	1010.0	..	19.4	16.7	14.6	16.8	75	..	0.9	..	5.3	0	0	16	04	3	3	1	0	1	0	4	12	0
	0830	14	1013.8	1012.1	+0.5	21.8	17.4	14.0	16.0	63	+ 2	2.0	+0.8	3.9	0	0	21	02	8	7	1	0	0	0	3	7	0
	1130	14	1014.1	1012.5	..	29.2	19.8	13.2	15.3	39	..	1.5	..	7.6	0	0	25	07	0	5	2	0	0	5	6	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — FEBRUARY 1969 (MAGHA 12 - PHALGUNA 9, 1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of mean standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KONKAN (INCLUDING GOA) (CONTD.)																											
BOMBAY (SANTACRUZ)	1430	14	1011.1	1009.4	..	29.7	21.1	15.7	18.1	45	..	1.9	..	18.2	0	11	17	01	0	0	0	0	0	5	22	0	0
	1730	14	1010.5	1008.9	+0.4	27.7	20.5	15.9	18.1	50	+ 5	1.9	+0.9	18.2	0	12	16	03	0	0	0	0	0	2	23	0	0
	2030	14	1012.5	1010.8	..	24.2	19.5	16.4	18.8	63	..	1.5	..	12.4	0	4	22	04	1	0	0	0	0	0	21	2	0
	2330	14	1013.1	1011.4	..	21.5	18.0	15.2	17.6	68	..	1.4	..	4.9	0	1	16	06	3	0	0	0	0	0	8	11	0
BOMBAY	0830	11	1013.7	1012.5	+0.3	21.8	19.3	17.6	20.4	77	+ 5	1.5	+0.5	7.3	0	1	27	12	7	8	0	0	0	0	1	0	0
	1130	11	1014.2	1013.0	..	27.3	21.0	17.2	19.7	55	..	1.3	..	8.6	0	0	26	09	4	5	1	0	0	1	6	2	0
	1730	11	1010.7	1009.5	+0.1	26.4	21.6	18.9	21.8	64	+ 2	1.9	+1.1	18.4	0	14	14	08	0	0	0	0	0	1	19	0	0
ALIBAG	0830	7	1013.6	1012.8	+0.0	21.6	18.5	16.3	18.8	72	+ 2	2.2	+1.2	4.8	0	0	22	08	5	8	1	0	0	0	0	6	0
BHIRA	0830	96	1013.4	1002.2	..	18.1	15.1	12.6	14.7	70	..	1.9	..	0.6	0	0	7	00	1	2	1	1	0	0	2	21	0
	1730	96	1008.5	997.9	..	33.8	20.4	11.2	13.0	25	..	2.3	..	5.4	0	0	28	00	0	1	2	0	6	12	7	0	0
HARNAI	0830	20	1013.1	1010.8	+0.6	23.8	19.6	16.7	20.1	64	+ 5	0.0	-1.7	5.6	0	0	16	09	2	5	0	0	0	0	0	12	0
	1730	20	1010.0	1007.7	+0.3	26.5	24.3	22.8	28.4	82	+10	0.1	-1.2	32.6	0	24	4	00	0	0	0	0	0	4	24	0	0
RATNAGIRI	0830	35	1012.9	1008.8	+0.2	22.0	18.9	16.8	19.3	74	+ 5	2.7	+0.9	4.4	0	0	28	02	4	12	8	0	0	0	0	0	2
	1730	35	1009.5	1005.3	-0.4	27.8	22.6	20.0	23.8	62	+ 2	1.8	+0.0	7.5	0	0	28	05	0	0	0	0	0	10	11	0	2
DEVGARH	0830	36	1013.0	1008.8	+0.3	23.1	20.0	18.2	20.8	75	+ 2	2.4	+0.5	9.2	0	0	28	02	12	12	1	0	0	0	1	0	0
	1730	36	1009.4	1005.4	+0.1	28.5	23.7	21.3	25.3	65	+ 0	1.7	+0.0	28.0	0	24	4	01	0	0	0	0	0	5	22	0	0
VENGURLA	0230	9	1011.4	1010.4	..	21.2	19.2	18.0	20.6	82	..	0.4	..	1.1	0	0	7	06	0	0	0	0	0	1	0	21	0
	0530	9	1011.1	1010.1	..	19.8	18.4	17.4	20.0	87	..	0.6	..	1.9	0	0	15	13	1	1	0	0	0	0	0	13	0
	0830	9	1013.3	1012.3	+0.4	22.4	19.7	18.0	20.8	76	+ 1	1.1	-0.4	1.4	0	0	10	03	3	1	1	0	0	0	2	18	0
	1130	9	1013.5	1012.5	..	30.0	21.6	16.1	18.9	46	..	0.9	..	4.9	0	0	26	01	1	1	0	2	10	8	3	2	0
	1730	9	1009.8	1008.8	+0.2	29.1	22.7	19.1	22.4	56	- 1	1.1	-0.3	5.3	0	0	28	00	0	0	0	0	6	20	2	0	0
	2330	9	1012.5	1011.5	..	23.0	20.4	18.9	21.8	78	..	0.5	..	2.3	0	0	13	09	1	0	0	0	0	0	3	15	0
PANJIM	0530	60	1010.7	1003.8	..	21.7	20.0	19.0	22.1	85	..	1.6	..	6.3	0	0	27	01	19	7	0	0	0	0	0	1	0
	0830	60	1012.8	1006.0	..	22.1	20.1	18.9	21.8	83	..	2.8	..	7.6	0	0	26	00	17	8	0	0	0	0	1	2	0
	1130	60	1013.0	1006.3	..	29.3	21.8	17.3	20.0	50	..	2.8	..	10.5	0	0	28	00	7	1	1	0	11	7	1	0	0
	1430	60	1009.8	1003.1	..	30.6	22.7	18.3	21.1	49	..	2.6	..	14.7	0	2	26	00	1	0	0	0	12	12	3	0	0
	1730	60	1009.2	1002.5	..	28.8	22.7	19.4	22.7	57	..	2.4	..	16.1	0	6	22	00	0	0	0	0	3	14	11	0	0
	2030	60	1011.2	1004.5	..	26.0	22.3	20.4	23.8	71	..	1.7	..	7.3	0	0	26	03	0	0	0	0	0	0	23	2	0
	2330	60	1011.9	1005.1	..	24.4	21.2	19.4	22.5	74	..	1.4	..	5.2	0	0	21	08	0	0	0	0	0	0	13	7	0
MURMUGAO	0530	62	1010.4	1003.4	..	23.3	20.9	19.6	22.8	81	..	0.9	..	7.4	0	1	20	02	10	5	3	0	0	1	0	7	0
	0830	62	1012.6	1005.5	-0.5	24.5	21.2	19.2	22.2	74	+ 2	2.1	+0.2	8.4	0	0	28	01	8	13	4	0	0	1	1	0	0
	1130	62	1012.7	1005.7	..	27.9	21.9	18.4	21.3	58	..	1.9	..	9.6	0	1	27	03	4	3	1	1	7	6	3	0	0
	1730	62	1008.9	1002.0	-0.5	28.1	23.3	20.8	24.4	65	- 1	2.0	+0.3	19.3	0	12	15	05	0	0	1	1	2	4	14	1	0
DABOLIM (NAVAL AIR STN.)	0530	52	1010.9	1005.0	..	22.1	20.2	19.0	21.6	83	..	1.7	..	2.6	0	0	9	04	3	2	0	0	0	0	0	19	0
	0830	52	1013.1	1007.2	..	23.9	20.8	18.8	22.1	75	..	2.5	..	3.4	0	0	14	03	8	2	1	0	0	0	0	14	0
	1130	52	1013.4	1007.6	..	28.5	21.9	18.0	20.8	55	..	2.1	..	9.5	0	1	24	01	1	3	1	2	10	4	3	3	0
	1730	52	1009.5	1003.7	..	28.6	23.0	20.0	23.5	60	..	2.4	..	16.7	0	4	24	01	0	0	0	0	4	11	12	0	0
	2330	52	1012.2	1006.3	..	25.2	21.9	20.1	23.5	74	..	1.7	..	8.6	0	2	21	16	1	0	0	0	0	0	6	5	0
MADHYA MAHARASHTRA																											
NANDURBAR	0830	206	1014.0	990.5	-0.6	22.4	14.7	7.3	10.2	40	- 1	0.0	-0.4	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
	1730	206	1010.2	987.4	+0.5	31.6	18.8	8.3	11.5	25	+ 3	0.0	-0.5	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
JALGAON	0830	201	1014.6	991.3	+0.5	19.1	11.4	2.3	7.3	34	-11	2.0	+1.0	7.1	0	2	21	01	2	4	4	1	3	6	2	5	0
	1730	201	1009.0	986.9	+0.3	33.3	17.2	0.8	6.6	13	- 4	2.3	+1.2	9.8	0	1	25	01	1	0	0	1	1	14	8	2	0
MALEGAON	0830	437	1015.3	965.1	+0.5	17.6	11.9	6.0	9.4	47	+ 4	1.3	+0.3	2.6	0	0	22	00	0	0	0	0	0	4	4	14	6	0
	1730	437	1008.7	961.2	+0.5	32.0	18.4	6.5	9.9	21	+ 0	1.8	+0.3	3.9	0	0	24	03	8	1	1	1	1	3	6	4	0
DZAR	0230	608	1013.0	943.8	..	16.1	10.5	4.8	9.0	48	..	0.9	..	11.0	0	4	17	00	1	0	0	0	0	9	11	7	0
	0530	608	1013.4	943.9	..	14.0	9.4	4.2	8.5	53	..	0.7	..	5.1	0	1	13	01	0	0	1	0	0	6	6	14	0
	0830	608	1014.8	945.7	..	17.6	11.5	5.3	9.1	46	..	2.0	..	2.4	0	1	5	00	0	1	0	0	0	2	3	22	0
	1130	608	1012.6	945.9	..	27.5	16.3	7.2	10.3	29	..	1.8	..	9.6	0	1	23	00	2	6	9	1	1	1	4	4	0
	1430	608	1008.7	943.0	..	30.8	17.4	6.7	9.8	23	..	2.3	..	11.7	0	5	21	00	0	3	3	3	4	7	5	2	1
	1730	608	1008.2	942.3	..	29.9	17.1	6.9	9.9	25	..	2.4	..	15.3	0	9	16	01	1	0	3	0	1	6	13	3	0
	2030	608	1011.9	944.3	..	23.5	14.3	6.2	9.3	34	..	2.0	..	18.0	0	14	13	01	0	0	0	0	0	5	21	1	0
	2330	608	1013.4	944.9	..	19.3	12.7	6.5	9.9	45	..	1.9	..	11.6	0	5	19	00	1	0	0	0	0	9	14	4	0
AHMADNAGAR	0830	657	1014.1	940.1	-0.2	18.8	11.5	4.2	8.3	39	- 5	2.5	+1.6	2.8	0	0	16	00	1	0	2	1	0	0	12	12	0
	1730	657	1006.4	936.3	-0.3	32.9	17.2	3.8	8.2	17	- 6	2.3	+0.7	6.1	0	0	25	00	6	1	0	0	7	1	10	3	0
POONA AERODROME	0230	593	1012.5	945.4	..	18.5	12.2	6.4	9.7	46	..	0.7	..	9.8	0	0	25	00	1	2	0	0	0	18	4	3	0
	0530	593	1012.7	945.1	..	16.5	11.6	6.9	10.1	54	..	0.6	..	5.7	0	0	17	01	1	2	0	0	0	10	3	11	0
	0830	593	1014.5	947.2	..	18.2	12.4	7.1	10.3	49	..	2.3	..	5.4	0	0	18	00	1	1	1	0	1	14	0	10	0
	1130	593	1012.3	947.3	..	28.4	15.6	4.4	8.7	22	..	1.9	..	10.8	0	2	22	00	2	12	3	0	0	5	2	4	0
	1730	593	1007.2	943.3	..	31.2	16.3	2.6	8.4	17	..	2.4	..	21.4	0	18	9	00	0	4	0	1	1	16	5	1	0
	2330	593	1012.8	946.3	..	21.1	13.6	7.0	10.1	42	..	1.0	..	14.9	0	3	24	00	2	0	0	0	0	16	9	1	0
	0530	559	1013.7	949.3	..	13.8	10.6	7.6	10.6	67	..	0.5	..	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - -FEBRUARY ,1969(MAGHA 12 - PHALGUNA 9,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			As mean sea level or lic. in gen. of mean standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD.)																											
PUNA	0830	559	1015.2	951.5	+0.4	17.4	12.9	9.0	11.6	59	+ 6	2.9	+2.0	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
	1130	559	1012.7	951.4	..	28.3	16.7	7.4	10.5	27	..	2.5	..	2.9	0	0	17	00	3	10	1	0	0	2	1	11	0
	1430	559	1008.2	947.9	..	32.4	17.9	6.5	9.9	20	..	2.6	..	4.6	0	0	19	01	0	6	1	1	0	7	3	9	0
	1730	559	1007.8	947.4	+0.2	31.4	17.9	7.6	10.7	24	+ 1	2.9	+1.6	6.7	0	0	22	00	0	2	0	0	0	14	6	6	0
	2030	559	1011.6	949.7	..	25.2	16.5	9.8	12.5	40	..	1.0	..	4.4	0	0	18	00	0	1	0	0	0	16	1	10	0
	2330	559	1013.6	950.5	..	19.8	14.0	9.1	11.8	51	..	0.8	..	0.3	0	0	1	00	0	0	0	0	0	1	0	27	0
JEUR	0830	521	1014.1	955.3	+0.4	20.6	13.5	7.4	10.4	43	- 4	1.0	+0.0	2.0	0	0	27	25	0	0	0	2	0	0	0	1	0
	1730	521	1007.1	951.1	+0.4	34.0	20.8	12.6	14.7	28	- 1	0.3	-1.2	2.0	0	0	28	02	0	2	0	13	1	8	2	0	0
BARAMATI	0830	551	1014.7	952.1	+0.2	18.2	13.0	8.5	11.1	54	+ 5	1.2	+0.5	5.9	0	0	22	02	0	0	0	0	2	5	13	6	0
	1730	551	1006.9	947.7	+0.2	33.0	20.2	11.9	13.9	29	+ 6	1.6	+0.3	8.4	0	1	24	02	0	4	4	2	4	5	4	3	0
SHOLAPUR	0530	479	1011.6	957.5	..	20.4	12.9	6.1	10.8	39	..	0.6	..	5.5	0	0	23	08	3	1	7	2	1	0	1	5	0
	0830	479	1013.8	960.0	+0.2	22.8	14.3	7.1	10.1	37	- 2	0.9	-0.1	5.0	0	0	26	05	6	0	12	0	1	0	2	2	0
	1130	479	1012.0	959.6	..	30.9	18.2	8.9	11.6	26	..	1.5	..	9.0	0	2	26	06	4	0	8	5	5	0	0	0	0
	1430	479	1007.5	956.0	..	34.5	19.3	8.3	10.9	20	..	2.2	..	7.8	0	1	23	03	3	0	8	3	5	0	2	4	0
	1730	479	1006.6	955.1	-0.5	34.1	19.0	7.9	10.6	21	- 1	2.6	+0.8	5.6	0	0	26	03	1	1	7	4	9	1	0	2	0
	2330	479	1011.3	958.1	..	25.7	14.9	5.4	9.1	28	..	1.2	..	7.8	0	1	25	02	3	0	14	2	2	0	3	1	0
MIRAJ	0830		(R)																								
	1730		(R)																								
KOLHAPUR	0530	570	1012.1	947.5	+0.2	17.7	13.4	9.8	11.9	61	+29	0.9	-0.8	2.0	0	0	6	00	0	5	0	0	0	1	0	22	0
	0830	570	1013.9	949.6	+0.1	19.5	14.2	9.8	12.3	55	+ 0	1.6	+0.4	1.3	0	0	6	00	2	3	0	0	0	1	0	22	0
	1130	570	1012.0	949.8	..	29.4	17.0	7.1	10.4	26	..	1.9	..	9.9	0	1	25	00	9	12	2	0	0	1	2	2	0
	1730	570	1006.7	945.5	+0.1	32.1	18.2	7.4	10.7	23	+ 1	2.6	+1.0	12.6	0	2	25	01	4	4	1	0	0	12	3	1	2
	2330	570	1012.2	948.5	..	21.9	15.9	11.3	13.7	53	..	1.1	..	6.9	0	0	21	00	5	4	3	0	0	8	1	7	0
NASIK	0830		..	..	..	21.1	17.9	16.0	17.8	73	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SANGLI	0830	549	1014.0	951.8	..	18.7	13.6	9.4	11.8	56	..	1.5	..	2.6	0	0	16	03	2	1	1	2	0	3	4	12	0
	1730	549	1006.3	947.2	..	32.9	18.4	7.7	10.5	22	..	2.3	..	9.8	0	2	25	00	1	2	2	4	2	14	2	1	0
MARATHWADA																											
AURANGABAD	0830	581	1014.6	949.3	+0.2	21.0	12.4	3.9	8.2	33	- 8	2.0	+1.1	3.1	0	0	13	00	5	5	0	1	0	2	0	15	0
	1730	581	1008.2	945.5	+0.1	31.9	16.1	1.3	6.8	15	- 8	2.4	+0.9	6.7	0	1	21	01	1	0	0	2	5	10	3	6	0
AURANGABAD(CHIKALTHAN)	0230	579	1012.4	946.6	..	17.0	10.1	2.5	7.4	39	..	1.6	..	7.6	0	1	19	02	0	1	1	0	3	8	5	8	0
	0530	579	1013.0	946.7	..	15.0	9.0	2.0	7.5	42	..	1.3	..	5.0	0	0	14	00	0	0	0	0	0	12	2	14	0
	0830	579	1014.2	948.8	-0.1	19.6	11.9	4.3	8.3	37	- 7	1.9	+1.0	7.9	0	0	20	01	0	0	4	0	3	8	4	8	0
	1130	579	1012.3	949.0	..	29.1	15.9	4.2	8.5	21	..	1.7	..	14.4	0	5	22	00	4	2	8	4	4	4	1	1	0
	1430	579	1008.3	945.7	..	31.8	16.9	4.2	8.4	18	..	2.1	..	14.4	0	3	25	02	1	2	0	6	6	7	4	0	0
	1730	579	1007.3	944.9	-0.3	31.6	16.7	3.8	8.1	18	-11	2.5	+1.1	13.3	0	1	26	04	1	0	1	1	2	11	7	1	0
	2030	579	1011.4	946.9	..	23.1	13.0	3.1	7.6	28	..	1.8	..	9.4	0	1	20	06	0	0	0	0	0	5	10	7	0
	2330	579	1012.8	947.5	..	20.0	11.5	2.6	7.4	33	..	1.8	..	7.1	0	0	16	02	1	0	1	0	0	7	5	12	0
PARBHANI	0830	423	1014.5	966.5	+0.2	21.1	12.1	1.4	6.9	28	- 9	1.4	+0.3	5.8	0	0	25	02	2	3	0	0	0	14	4	3	0
	1730	423	1007.8	962.0	-0.2	33.8	17.5	0.5	6.8	13	- 7	2.5	+0.8	6.6	0	0	28	05	3	2	1	2	1	13	1	0	0
NANDER	0830	358	1014.7	973.9	..	22.2	14.8	8.0	10.6	42	..	0.6	..	2.5	0	0	14	00	9	1	0	0	2	0	2	14	0
	1730	358	1007.8	968.9	..	33.3	20.2	10.8	13.2	27	..	1.5	..	3.7	0	0	18	00	9	0	3	0	3	0	3	10	0
BIR	0830	519	1015.0	955.8	..	17.8	12.8	8.6	11.2	56	..	2.9	..	0.7	0	0	4	00	0	0	0	0	4	0	0	24	0
	1730	519	1007.7	951.6	..	32.5	19.1	9.8	12.3	26	..	2.4	..	2.9	0	0	20	01	6	0	2	0	5	2	4	8	0
VIDARBHA																											
GONDIA	0830	313	1014.6	978.8	+0.0	21.1	15.1	9.6	12.5	49	- 8	1.2	-0.2	1.9	0	0	19	04	6	0	0	1	5	1	1	9	1
	1730	313	1009.5	974.9	-0.1	30.8	18.6	8.6	11.8	26	- 1	1.4	-0.1	0.9	0	0	11	01	0	0	0	4	3	2	1	17	0
NAGPUR(SONEGAON)	0230	310	1011.5	976.0	..	20.0	14.7	10.0	12.5	53	..	0.9	..	4.1	0	0	19	06	5	0	1	0	2	2	3	9	0
	0530	310	1012.1	976.3	..	17.7	13.2	9.0	11.7	58	..	0.7	..	3.0	0	0	17	07	2	1	0	0	2	0	5	11	0
	0830	310	1014.3	978.9	+0.0	21.7	15.6	10.3	12.9	49	+ 0	2.0	+0.6	5.4	0	0	23	06	7	3	1	2	2	0	2	5	0
	1130	310	1013.2	978.7	..	30.0	20.3	13.7	16.1	38	..	2.0	..	8.4	0	2	26	02	5	2	7	5	4	1	2	0	0
	1430	310	1009.1	975.2	..	33.2	21.8	14.4	16.9	33	..	2.3	..	9.7	0	1	25	02	1	1	4	5	6	6	1	2	0
	1730	310	1008.3	974.3	-0.5	32.3	21.1	13.8	15.9	34	+ 8	2.7	+1.0	6.1	0	0	24	00	1	3	3	5	6	3	3	4	0
	2030	310	1011.1	976.3	..	25.4	17.8	12.0	14.3	44	..	1.4	..	3.8	0	0	19	01	1	6	6	3	1	0	1	9	0
	2330	310	1012.2	976.9	..	22.7	16.3	11.2	13.5	49	..	1.4	..	5.4	0	0	21	06	5	0	1	0	2	2	5	7	0
AMRAUTI	0830	370	1013.6	971.7	-0.3	22.9	15.2	8.3	11.2	40	+ 0	1.5	+0.1	3.4	0	0	24	01	9	6	2	1	3	1	1	4	0
	1730	370	1007.8	967.5	+0.5	32.7	20.5	11.6	14.2	29	+ 7	2.3	+0.4	6.0	0	0	27	00	0	0	0	3	6	14	4	1	0
AKOLA AERODRME	0530	309	1011.3	975.7	..	18.3	10.3	- 0.1	6.1	29	..	1.6	..	7.4	0	0	27	01	1	1	3	3	7	8	3	1	0
	0830	309	1013.2	977.9	..	20.6	11.7	0.7	6.5	27	..	2.5	..	7.2	0	0	28	01	3	4	1	0	7	9	3	0	0
	1130	309	1012.6	978.3	..	29.6	16.1	2.5	7.4	18	..	2.8	..	7.0	0	0	28	03	7	3	1	0	5	7	2	0	0
	1430	309	1008.5	974.7	..	33.6	17.6	1.8	7.1	14	..	2.7	..	7.1	0	1	25	01	2	2	1	2	4	8	6	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - -FEBRUARY ,1969 (MAGHA 12 - PHALGUNA 9,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of current standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VIDARBHA(CONTD)																											
AKOLA AERODROME	1730	309	1007.6	973.7	..	33.2	17.3	1.2	6.9	13	..	2.9	..	7.5	0	2	25	02	0	0	0	0	2	11	12	1	0
	2030	309	1009.9	975.4	..	27.4	14.9	1.7	7.0	19	..	2.0	..	5.4	0	0	26	03	4	0	1	0	2	10	6	2	0
	2330	309	1011.3	976.3	..	23.9	13.2	0.8	6.7	22	..	2.0	..	6.9	0	1	26	02	4	1	1	3	3	11	2	1	0
AKOLA	0830	282	1014.0	981.7	+0.0	20.5	12.8	4.7	8.7	36	-10	1.2	+0.1	3.1	0	0	21	00	3	1	2	1	10	2	2	7	0
	1730	282	1008.3	977.5	+0.0	33.3	18.6	6.1	9.6	19	- 3	2.1	+0.7	6.7	0	0	26	01	4	0	2	0	1	0	18	2	0
BRAMHAPURI	0830	229	1014.6	988.3	-0.2	21.8	17.0	13.4	15.8	60	- 4	2.0	+0.9	5.2	0	0	27	06	1	4	5	10	0	1	0	1	0
	1730	229	1009.1	983.9	-0.7	32.6	20.9	12.9	15.4	31	+ 3	2.3	+1.1	4.7	0	0	27	04	1	0	1	17	2	0	2	1	0
BULDANA	0830	650	1013.5	940.9	+0.2	21.6	13.4	6.0	9.5	38	- 4	2.0	+0.7	7.1	0	0	24	08	0	3	0	2	1	0	10	4	0
	1730	650	1007.6	937.4	-0.4	30.1	17.1	7.0	10.2	24	- 2	2.6	+1.0	6.1	0	0	26	06	4	1	1	0	2	0	12	2	0
YEOTMAL	0830	451	1013.6	962.9	+0.2	23.7	13.7	2.6	7.7	26	-15	1.8	+0.1	7.9	0	0	28	03	3	8	2	4	2	4	2	0	0
	1730	451	1007.8	958.9	-0.2	32.7	17.3	2.1	7.3	15	-11	2.1	+0.1	6.6	0	0	26	02	4	1	1	1	11	2	4	2	0
CHANDRAPUR	0830	193	1013.7	991.5	-0.6	21.7	16.2	11.9	14.2	54	- 7	2.0	+0.5	4.4	0	0	25	03	3	10	6	2	0	0	1	3	0
	1730	193	1008.2	986.9	-1.2	33.6	19.3	7.6	10.8	21	-10	2.3	+0.5	6.1	0	0	27	03	3	5	7	3	1	2	3	1	0
PUSAD	0830	334	1015.1	976.5	..	20.5	13.7	6.9	10.3	43	..	2.2	..	2.1	0	0	28	00	1	1	2	0	7	0	17	0	0
	1730	334	1008.0	972.0	..	34.4	20.7	10.7	13.5	25	..	2.1	..	3.1	0	0	27	01	4	1	5	1	14	0	1	1	0
SIRONCHA	0830	123	1015.0	1000.6	+0.2	23.6	18.4	14.8	17.1	59	- 6	1.2	-0.4	2.2	0	0	1[illegible]	01	0	5	8	3	1	1	0	9	0
	1730	123	1008.8	995.5	-0.3	34.3	20.7	10.6	13.5	25	- 2	1.3	[illegible]	1.5	0	0	19	03	0	3	1	3	3	6	0	9	0
WARDHA	0830	283	1013.5	981.4	..	23.8	14.5	5.0	9.2	30	..	0.5	[illegible]	3.6	0	0	28	08	12	4	0	1	1	1	1	0	0
	1730	283	1008.6	997.4	..	32.6	18.6	6.7	10.1	21	..	1.3	..	[illegible]	0	0	28	04	7	4	1	4	4	3	1	0	0
BHANDARA	0830	266	1014.2	983.8	..	22.3	15.6	9.7	12.5	46	..	.	..	5.4	0	0	28	01	13	1	5	2	3	0	1	0	2
	1730	266	1008.7	979.3	..	31.5	19.0	9.2	11.9	26	..	.	..	4.2	0	0	28	01	6	4	5	3	6	1	0	0	2
COASTAL ANDHRA PRADESH																											
KALINGAPATAM	0830	6	1014.6	1014.0	+0.3	23.7	21.8	20.7	24.7	84	+ 3	0.[illegible]	-2.2	5.4	0	0	25	07	1	0	0	0	1	4	11	3	1
	1730	6	1011.4	1010.7	+0.2	26.8	24.2	23.0	28.4	81	+12	0.3	-2.6	12.0	0	0	26	02	0	1	1	6	4	0	2	2	10
VISHAKHAPATNAM	0230	3	1012.3	1011.9	..	22.1	20.3	19.3	22.5	85	..	1.1	..	1.7	0	0	10	01	0	0	0	0	2	2	5	18	0
	0530	3	1012.6	1012.2	..	20.5	19.3	18.5	21.6	89	..	1.2	..	1.2	0	0	10	01	0	0	0	0	1	3	5	18	0
	0830	3	1014.9	1014.5	+0.5	24.9	21.2	19.1	22.4	71	- 6	2.4	+0.3	2.3	0	0	15	01	0	1	0	0	4	2	7	13	0
	1130	3	1014.2	1013.8	..	31.0	22.1	16.1	19.5	44	..	1.8	..	11.6	0	3	24	00	0	2	7	3	9	2	1	1	3
	1430	3	1011.2	1010.8	..	31.2	22.3	16.6	19.9	45	..	1.6	..	20.7	0	19	9	00	0	2	7	9	10	0	0	0	0
	1730	3	1011.3	1010.9	+0.2	28.0	22.2	18.8	22.2	59	-14	2.0	+0.3	14.1	0	3	25	00	0	4	5	9	10	0	0	0	0
	2030	3	1013.6	1013.2	..	25.3	22.5	20.9	24.9	77	..	1.3	..	3.4	0	0	21	01	1	2	2	4	6	2	2	7	1
	2330	3	1013.8	1013.4	..	23.6	21.5	20.4	24.2	83	..	1.0	..	1.6	0	0	13	02	0	0	0	0	2	2	7	15	0
KAKINADA	0830	8	1014.9	1014.0	+0.2	26.0	21.6	19.1	22.3	66	- 7	2.1	-0.1	4.3	0	0	12	01	4	1	3	0	3	0	0	16	0
	1730	8	1011.0	1010.1	-0.1	29.1	23.6	20.7	24.6	62	- 5	1.4	-0.1	13.6	0	0	28	00	0	4	19	5	0	0	0	0	0
NIDADAVOLE	0830	12	1015.1	1013.7	+0.4	23.2	20.5	18.8	22.8	76	+ 1	2.0	-1.1	5.1	0	0	28	13	5	7	0	0	0	0	3	0	0
	1730	12	1011.1	1009.7	+0.4	30.2	22.5	18.1	21.2	49	+ 0	1.9	-1.2	8.0	0	0	28	00	0	4	6	10	8	0	0	0	0
RENTACHINTALA	0830	106	1014.1	1001.9	+0.4	24.2	20.5	18.3	21.3	78	+ 3	1.2	-1.3	0.9	0	0	12	00	0	0	0	2	0	10	0	16	0
	1730	106	1009.0	997.3	+0.2	33.3	22.7	16.4	18.7	37	+ 6	0.9	-1.8	1.4	0	0	18	02	0	10	0	4	0	2	0	10	0
GANNAVARAM	0230	24	1012.0	1009.1	..	20.8	19.8	19.2	22.3	91	..	1.4	..	1.6	0	0	7	02	0	1	2	2	0	0	0	21	0
	0530	24	1012.3	1009.5	..	20.7	20.0	19.6	23.0	94	..	2.8	..	4.6	0	0	14	00	4	5	4	1	0	0	0	14	0
	0830	24	1014.6	1011.9	+0.5	24.0	21.9	20.8	24.6	83	+ 6	2.9	+0.5	7.4	0	1	18	00	4	8	4	3	0	0	0	9	0
	1130	24	1014.3	1011.5	..	30.0	22.5	18.4	21.2	51	..	2.7	..	11.5	0	2	25	00	0	6	5	14	2	0	0	1	0
	1430	24	1010.7	1008.0	..	32.7	22.1	15.7	18.0	37	..	2.1	..	14.9	0	8	18	00	0	5	9	12	0	0	0	2	0
	1730	24	1010.5	1007.8	+0.4	30.5	21.7	16.3	18.7	43	- 1	1.4	-0.4	14.6	0	2	25	00	0	1	15	11	0	0	0	1	0
	2030	24	1013.0	1010.2	..	24.1	20.9	19.1	22.3	74	..	0.8	..	7.1	0	0	21	00	0	0	16	5	0	0	0	7	0
	2330	24	1013.4	1010.6	..	22.1	20.3	19.3	22.5	84	..	1.0	..	1.6	0	0	7	00	0	1	3	3	0	0	0	21	0
MASULIPATAM	0830	3	1014.6	1014.2	+0.3	23.8	22.2	21.4	25.6	87	+ 6	3.0	+0.5	2.2	0	0	20	06	5	4	2	1	0	0	2	8	0
	1730	3	1011.0	1010.7	+0.1	27.6	22.6	19.9	23.4	64	- 3	2.1	+0.6	4.4	0	0	28	00	0	2	17	6	2	0	0	0	1
ONGOLE	0830	12	1014.4	1013.1	+0.4	25.0	22.3	20.5	24.3	77	- 1	0.3	-1.8	4.4	0	0	26	07	0	6	0	2	2	8	1	2	0
	1730	12	1010.7	1009.4	+0.3	28.7	23.5	20.8	24.6	64	- 3	0.3	-1.2	10.6	0	0	28	00	0	2	25	1	0	0	0	0	0
NELLORE	0530	20	1011.9	1009.6	..	21.5	20.7	20.2	23.9	93	..	1.3	..	1.1	0	0	4	00	2	0	2	0	0	0	0	24	0
	0830	20	1014.5	1012.2	+0.5	24.4	22.0	20.6	24.4	80	+ 1	2.3	-0.4	6.8	0	0	28	00	3	0	14	0	3	0	8	0	0
	1130	20	1014.0	1011.8	..	30.7	23.2	19.0	22.4	51	..	1.7	..	10.2	0	0	28	00	7	0	19	0	2	0	0	0	0
	1430	20	1011.1	1008.9	..	32.2	24.2	20.0	23.6	50	..	1.5	..	11.4	0	0	28	00	7	1	19	0	1	0	0	0	0
	1730	20	1010.8	1008.6	+0.3	28.9	23.8	21.2	25.2	63	+ 4	1.7	-0.5	7.6	0	1	27	06	12	2	8	0	0	0	0	0	0
	2330	20	1013.4	1011.1	..	23.6	22.1	21.4	25.5	88	..	0.7	..	0.6	0	0	3	00	3	0	0	0	0	0	0	25	0
VISHAKHAPATNAM(SOLAR)	0830		(R)																								
TELANGANA																											
RAMGUNDAM	0830	156	1013.6	995.8	-0.2	24.4	19.4	16.1	18.7	61	+ 7	1.1	-0.6	3.4	0	0	25	01	3	3	13	5	0	0	0	3	0
	1730	156	1008.6	991.4	-0.2	33.8	21.6	13.7	16.4	31	+ 5	1.4	-0.5	2.9	0	0	24	01	3	2	12	6	0	0	0	4	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - -FEBRUARY 1969 (MAGHA 12 - PHALGUNA 9, 1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TELANGANA (CONTD.)																											
NIZAMABAD	0830	381	1013.7	970.8	+0.3	23.5	18.5	15.2	17.6	61	+ 8	1.8	+0.4	0.1	0	0	1	01	0	0	0	0	0	0	0	27	0
	1730	381	1008.2	967.5	+0.8	34.1	25.4	21.2	25.8	48	+20	2.3	+0.6	0.6	0	0	6	01	3	0	1	0	0	0	1	22	0
HANAMKONDA	0830	269	1014.1	983.5	+0.0	22.4	18.8	16.4	19.0	70	- 1	0.9	-1.4	1.8	0	0	24	01	0	0	3	20	0	0	0	4	0
	1730	269	1010.2	980.7	+0.7	33.0	20.0	10.5	14.1	35	+ 6	0.3	-1.3	2.5	0	1	25	02	1	0	7	14	2	0	0	2	0
HAKIMPET AERODROME	0530	613	1011.9	943.1	..	19.8	15.6	12.3	14.8	65	..	1.7	..	10.4	0	2	25	00	0	1	15	7	4	0	0	1	0
	0830	613	1013.1	944.9	..	22.9	16.9	12.5	15.0	55	..	2.9	..	12.7	0	3	23	00	1	0	12	7	3	2	1	2	0
	1130	613	1011.8	945.2	..	29.5	17.7	8.7	11.7	29	..	2.1	..	18.0	0	10	18	00	0	0	10	11	7	0	0	0	0
	1730	613	1008.4	942.2	..	30.9	17.9	8.1	11.1	25	..	2.8	..	16.3	0	8	20	00	0	0	19	7	1	1	0	0	0
	2330	613	1011.9	944.0	..	23.7	16.5	11.3	13.6	47	..	1.4	..	16.1	0	6	22	00	0	1	23	4	0	0	0	0	0
BHADRACHALLAM	0830	111	1013.8	1001.0	-0.9	22.2	19.9	18.3	21.5	79	+ 6	2.8	+0.0	2.9	0	0	28	00	21	0	5	0	0	1	1	0	0
	1730	111	1008.9	996.6	-0.6	34.0	21.6	13.0	16.2	30	+ 0	1.4	-1.2	3.1	0	0	28	00	12	1	10	0	1	0	4	0	0
HYDERABAD (BEGAMPET)	0230	545	1011.6	950.4	..	20.5	15.6	12.0	14.4	59	..	0.7	..	5.1	0	0	24	02	1	5	13	2	0	1	0	4	0
	0530	545	1012.0	950.4	..	18.3	15.0	12.5	14.7	69	..	1.1	..	2.9	0	0	16	02	2	2	8	1	1	0	0	12	0
	0830	545	1014.2	952.9	+0.2	20.5	16.4	13.4	15.7	65	+ 1	1.9	-0.3	5.6	0	0	23	03	3	1	7	7	0	1	1	5	0
	1130	545	1012.3	952.8	..	29.7	17.4	7.8	11.1	27	..	1.5	..	12.6	0	1	27	01	0	1	4	15	6	1	0	0	0
	1730	545	1007.8	949.1	+0.2	32.0	18.0	7.3	10.5	22	-13	2.3	+0.2	10.1	0	1	27	01	0	1	19	4	3	0	0	0	0
	2330	545	1012.3	951.7	..	23.8	16.6	11.5	13.9	47	..	1.1	..	7.8	0	0	27	01	1	3	16	6	0	0	0	1	0
KHAMMAM	0830	112	1014.7	1001.8	+0.5	23.9	20.9	19.1	22.3	75	+ 2	3.8	+1.3	4.6	0	0	21	00	0	4	13	4	0	0	0	7	0
	1730	112	1009.3	997.3	+0.3	33.7	21.4	13.3	15.8	31	- 2	1.6	-0.6	2.1	0	0	15	00	0	3	5	6	1	0	0	13	0
MAHBUBNAGAR	0830	505	1013.2	957.0	+0.1	25.2	16.9	10.8	13.3	42	-11	2.3	+0.2	2.4	0	0	17	00	2	6	3	3	2	0	1	11	0
	1730	505	1007.5	952.9	-0.4	32.3	17.8	6.6	9.9	20	- 8	2.4	+0.5	4.6	0	0	22	00	2	7	2	8	3	0	0	6	0
RAYALASEEMA																											
KURNOOL	0830	281	1014.1	982.2	+0.6	24.2	18.0	13.6	15.8	53	- 4	1.6	+0.0	3.9	0	0	28	00	6	0	13	0	5	0	4	0	0
	1730	281	1008.1	977.5	+0.3	34.1	20.5	10.6	13.2	24	+ 0	2.2	+0.1	3.9	0	0	25	00	6	0	16	0	3	0	0	3	0
NANDYL	0830	212	1013.5	989.3	..	23.1	19.0	16.4	18.9	67	..	1.6	..	2.8	0	0	16	00	2	3	0	5	4	2	0	12	0
	1730	212	1008.0	984.7	..	33.2	21.8	14.4	17.0	33	..	1.9	..	9.8	0	2	22	00	0	13	4	3	2	2	0	4	0
ANANTAPUR	0530	350	1011.5	971.7	..	20.2	15.9	12.3	14.8	62	..	1.4	..	3.4	0	0	10	00	0	5	2	0	3	0	0	18	0
	0830	350	1013.7	974.2	+0.7	23.1	17.2	12.5	15.0	53	- 1	2.1	+0.4	3.9	0	0	14	00	0	5	2	1	6	0	0	14	0
	1130	350	1012.4	973.8	..	30.1	18.7	9.5	12.3	30	..	2.0	..	9.1	0	1	25	02	2	9	3	5	5	0	0	2	0
	1430	350	1008.1	970.0	..	33.4	18.7	6.2	9.8	19	..	2.2	..	8.4	0	1	24	01	7	11	2	1	3	0	0	3	0
	1730	350	1007.4	969.3	+0.2	32.8	19.1	8.2	11.3	23	- 3	2.3	+0.3	10.4	0	1	26	00	7	15	2	2	1	0	0	1	0
	2030	350	1010.2	971.4	..	28.7	18.6	11.0	13.4	34	..	2.1	..	10.6	0	2	22	00	3	15	3	2	1	0	0	4	0
	2330	350	1011.5	972.4	..	25.8	17.9	11.8	14.1	43	..	1.6	..	13.3	0	5	22	00	0	24	3	0	0	0	0	1	0
CUDDAPAH	0830	130	1014.2	999.4	+0.3	26.2	20.7	17.2	20.0	59	- 1	1.0	-0.6	1.7	0	0	11	00	0	9	2	0	0	0	0	17	0
	1730	130	1008.9	994.6	+0.1	33.3	21.2	13.2	15.4	31	-15	1.1	-0.8	5.9	0	0	27	00	0	26	1	0	0	0	0	1	0
ARUGYAVAKAM	0830	701	1014.3	936.4	+0.6	21.2	17.4	14.9	17.3	69	+ 7	2.9	-0.1	5.3	0	0	25	01	1	1	15	6	1	0	0	3	0
	1730	701	1008.1	932.8	+0.5	30.0	20.7	15.2	17.9	42	+11	2.7	-0.4	9.4	0	0	28	01	6	8	9	2	1	0	1	0	0
TAMIL NADU (INCLUDING PONDICHERRY)																											
MADRAS	0830	6	1014.0	1013.3	+0.3	24.9	22.1	20.6	24.4	78	+ 1	3.9	+0.9	4.9	0	0	24	01	4	0	4	3	3	7	2	4	0
	1730	6	1010.9	1010.2	..	27.5	22.9	20.6	24.3	66	..	2.9	..	6.4	0	0	28	00	6	7	6	2	3	4	0	0	0
MADRAS (MINAMBAKKAM)	0230	16	1011.8	1010.0	..	22.3	20.8	20.0	23.5	87	..	1.8	..	2.0	0	0	10	00	0	0	1	1	1	5	2	18	0
	0530	16	1012.0	1010.2	..	21.5	20.3	19.6	22.9	89	..	2.0	..	2.4	0	0	15	00	0	1	0	1	2	10	1	13	0
	0830	16	1014.4	1012.6	+0.4	24.4	21.6	20.0	23.4	77	- 3	2.8	-0.2	5.3	0	0	24	05	0	0	0	3	4	8	4	4	0
	1130	16	1014.0	1012.3	..	30.2	22.6	18.4	21.3	50	..	2.6	..	12.9	0	2	25	00	2	14	4	6	1	0	0	1	0
	1430	16	1010.9	1009.2	..	30.6	22.7	18.2	21.2	49	..	2.4	..	13.3	0	4	24	00	4	12	10	2	0	0	0	0	0
	1730	16	1010.9	1009.1	+0.1	28.3	22.5	19.3	22.5	58	- 5	2.1	-0.4	12.9	0	3	25	00	1	14	11	2	0	0	0	0	0
	2030	16	1012.9	1011.1	..	25.3	22.1	20.4	24.1	75	..	1.5	..	6.1	0	0	23	00	3	12	5	3	0	0	0	5	0
	2330	16	1013.4	1011.6	..	23.8	21.6	20.4	24.1	81	..	1.7	..	4.4	0	0	20	00	3	7	5	5	0	0	0	8	0
VELLORE	0530	214	1012.7	988.0	..	20.0	18.5	17.5	20.3	86	..	2.8	..	0.1	0	0	1	00	0	0	1	0	0	0	0	27	0
	0830	214	1014.8	990.3	+0.6	22.3	19.4	17.5	20.3	75	- 4	2.9	-0.4	0.2	0	0	1	00	0	1	0	0	0	0	0	27	0
	1130	214	1013.7	989.8	..	29.8	22.1	17.5	20.5	50	..	2.6	..	4.2	0	0	23	00	5	2	3	11	1	0	1	5	0
	1730	214	1009.4	985.8	+0.2	31.8	21.2	14.2	16.6	36	- 5	1.8	-0.8	7.7	0	0	28	00	6	10	5	7	0	0	0	0	0
	2330	214	1013.6	989.3	..	24.3	20.8	18.7	21.7	72	..	1.0	..	3.3	0	0	15	00	4	0	2	8	1	0	0	13	0
TAMBARAM AERODROME	0830	29	1014.1	1011.0	..	24.0	22.0	20.9	24.8	83	..	2.8	..	14.8	2	1	23	07	0	0	0	0	5	5	9	2	0
	1730	29	1011.2	1007.7	..	29.7	23.2	19.8	23.2	56	..	1.8	..	23.1	0	18	10	00	4	9	11	4	0	0	0	0	0
TIRUPPATTUR	0830	390	1013.9	969.6	-0.5	23.6	21.9	21.1	25.1	86	+ 3	5.7	+1.8	3.3	0	0	28	16	2	1	0	8	0	0	1	0	0
	1730	390	1008.4	965.2	-0.7	27.4	23.3	21.3	25.4	71	+25	6.8	+2.6	5.6	0	0	28	09	9	1	0	9	0	0	0	0	0
METTUR DAM R.S.	0830		..	..	..	24.7	19.9	16.9	19.4	62	..	3.3	..	2.9	0	0	25	00	5	0	5	0	5	0	10	3	0
	1730		..	..	..	33.7	21.2	12.6	15.0	29	..	3.5	..	5.4	0	0	28	00	6	0	11	0	10	0	1	0	0
CUDDALORE	0530	12	1011.9	1010.5	..	21.3	20.3	19.8	23.2	91	..	2.9	..	0.6	0	0	5	00	2	0	0	1	1	0	1	23	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - -FEBRUARY 1969 (MAGHA 12 - PHALGUNA 9, 1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation (I.S.T.)	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gms. of mean standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
AMILNADU(INCLUDING PUNDICHERRY)(CONTD.)																											
CUDDALORE	0830	12	1014.2	1012.8	+0.2	23.9	21.9	20.8	24.6	83	- 1	2.6	-0.9	4.4	0	0	25	08	5	0	2	1	1	2	6	3	0
	1130	12	1014.0	1012.6	..	28.6	23.4	20.7	24.6	63	..	2.6	..	9.3	0	0	26	02	8	6	8	2	0	0	0	2	0
	1430	12	1011.0	1009.7	..	28.7	23.6	21.1	25.1	64	..	2.0	..	12.2	0	5	23	01	8	8	11	0	0	0	0	0	0
	1730	12	1010.8	1009.4	-0.1	27.5	23.5	21.4	25.6	70	+ 0	1.7	-1.7	9.5	0	0	27	01	8	10	8	0	0	0	0	1	0
	2330	12	1013.1	1011.7	..	24.7	22.5	21.4	25.5	82	..	1.8	..	7.0	0	0	22	00	10	6	5	1	0	0	0	6	0
KALLAKKURICHCHI	0830	127	1014.3	999.8	+0.5	23.8	20.3	18.2	21.2	72	- 2	2.3	-0.6	3.0	0	0	14	00	0	0	1	0	2	0	11	14	0
	1730	127	1009.5	995.4	+0.5	31.3	21.7	15.8	18.1	40	- 3	1.8	-1.1	9.6	0	0	27	00	8	10	8	0	0	0	1	1	0
SALEM	0530	278	1011.5	979.8	..	21.2	17.6	14.7	17.5	69	..	1.1	..	2.9	0	0	12	06	1	1	4	0	0	0	0	16	0
	0830	278	1013.8	982.5	+0.3	23.3	18.7	15.5	17.9	62	-10	1.5	-0.6	2.4	0	0	16	00	9	4	2	0	0	0	0	12	1
	1130	278	1012.8	981.9	..	29.9	20.1	13.3	15.7	37	..	2.1	..	6.3	0	0	25	01	3	12	5	0	4	0	0	3	0
	1730	278	1007.8	977.4	+0.0	32.6	20.5	11.7	14.3	29	- 6	2.1	-0.4	5.1	0	0	27	00	3	11	10	1	1	0	0	1	1
	2330	278	1012.0	980.8	..	25.7	19.3	14.9	17.2	53	..	0.5	..	6.6	0	0	21	00	1	14	5	0	1	0	0	7	0
COIMBATORE(PILAMEDU)	0530	399	1012.3	967.1	..	20.5	18.0	16.3	18.8	78	..	1.7	..	4.9	0	0	13	07	4	2	0	0	0	0	0	15	0
	0830	399	1014.3	969.3	+0.6	23.0	19.6	17.4	20.1	72	+ 1	2.6	-0.6	11.1	0	0	24	04	11	6	1	0	0	0	2	4	0
	1130	399	1013.0	968.9	..	28.5	20.0	14.2	16.6	43	..	2.4	..	13.6	0	4	20	02	12	8	1	0	1	0	0	4	0
	1430	399	1008.7	965.2	..	31.9	20.0	11.2	13.8	29	..	2.5	..	14.6	0	2	24	00	10	11	4	0	0	0	1	2	0
	1730	399	1007.8	964.4	+0.4	31.8	19.4	9.4	12.2	26	- 6	2.2	-0.6	17.1	0	10	17	00	5	19	2	0	1	0	0	1	0
	2030	399	1010.8	966.5	..	27.3	18.5	11.8	14.7	39	..	1.1	..	13.1	0	3	21	00	2	13	2	5	2	0	0	4	0
	2330	399	1012.5	967.8	..	24.4	19.3	15.7	18.4	60	..	0.6	..	11.0	0	2	19	00	3	7	1	3	7	0	0	7	0
COIMBATORE	0830	409	1014.0	968.1	+0.5	23.8	19.5	16.8	19.4	66	- 4	3.7	+0.2	3.0	0	0	24	02	16	0	0	0	1	1	4	4	0
NAGAPATTINAM	0830	9	1014.1	1013.0	+0.4	25.8	22.8	21.2	25.3	76	- 1	4.0	+0.0	11.1	0	6	21	02	8	3	3	1	0	1	9	1	0
	1730	9	1010.5	1009.4	-0.1	27.6	23.4	21.3	25.4	69	- 3	3.7	+0.5	16.9	0	11	17	02	16	5	5	0	0	0	0	0	0
TIRUCHCHIRAPPALLI	0230	88	1011.5	1001.4	..	22.0	20.5	19.6	22.9	86	..	2.0	..	4.5	0	0	24	10	7	0	0	1	0	0	6	4	0
	0530	88	1011.7	1001.6	..	21.2	20.0	19.3	22.5	89	..	2.9	..	3.0	0	0	17	07	5	0	0	0	0	1	4	11	0
	0830	88	1013.9	1003.9	+0.1	24.6	21.4	19.6	23.0	74	- 4	2.6	-0.5	7.6	0	1	24	08	8	0	1	1	0	3	4	3	0
	1130	88	1013.4	1003.5	..	29.5	21.9	17.5	20.3	50	..	3.2	..	12.4	0	4	24	01	17	4	4	1	0	1	0	0	0
	1430	88	1009.6	999.9	..	32.0	21.7	15.1	17.5	37	..	2.4	..	13.1	0	3	25	06	11	7	2	1	1	0	0	0	0
	1730	88	1009.1	999.3	-0.1	31.4	21.2	14.4	16.9	38	- 5	1.9	-1.2	13.8	0	6	22	00	13	10	4	1	0	0	0	0	0
	2030	88	1011.7	1001.8	..	26.7	21.3	18.1	21.0	60	..	1.8	..	15.4	0	7	21	00	11	13	4	0	0	0	0	0	0
	2330	88	1012.8	1002.7	..	23.7	21.1	19.6	23.0	79	..	2.0	..	7.1	0	0	27	02	17	4	2	2	0	0	0	1	0
VEDARANNIYAM	0830	4	1012.4	1011.9	..	26.6	23.4	21.7	26.1	76	..	5.4	..	7.4	0	0	28	01	22	2	3	0	0	0	0	0	0
	1730	4	1010.9	1010.4	..	28.0	23.9	21.9	26.4	70	..	5.1	..	8.1	0	0	27	04	13	5	5	0	0	0	0	1	0
ATIRAMPATTINAM	0830	6	1013.7	1013.0	..	24.3	22.8	22.0	26.5	87	..	3.1	..	5.1	0	0	28	17	2	0	0	1	0	2	6	0	0
	1730	6	1009.9	1009.2	..	29.1	25.1	23.3	28.6	71	..	2.6	..	12.6	0	2	26	00	11	7	6	3	1	0	0	0	0
MADURAI	0830	133	1014.4	999.0	+0.6	29.1	21.7	19.7	23.2	73	- 1	3.9	+0.2	4.0	0	0	28	15	0	0	0	0	0	0	13	0	0
MADURAI AERODROME	0530	131	1011.8	996.6	..	21.3	20.1	19.4	22.7	89	..	1.5	..	2.4	0	0	8	05	3	0	0	0	0	0	0	20	0
	0830	131	1014.0	999.0	+0.3	24.6	21.5	19.8	23.2	75	+ 0	2.6	-1.0	6.9	0	0	20	08	6	1	1	0	0	0	4	8	0
	1130	131	1013.2	998.5	..	29.4	22.5	18.6	21.8	54	..	3.0	..	13.6	0	8	18	06	15	3	1	1	0	0	0	2	0
	1730	131	1008.9	994.4	+0.0	31.5	22.1	16.4	19.0	43	- 1	2.4	-1.5	14.1	0	5	22	02	13	11	1	0	0	0	0	1	0
TONDI	0830	5	1014.1	1013.5	+0.5	25.1	22.7	21.4	25.7	81	+ 0	5.8	+0.9	5.9	0	0	26	20	3	0	0	0	2	0	1	2	0
	1730	5	1010.4	1009.8	+0.3	27.8	23.8	21.9	26.0	71	- 6	5.3	+0.5	13.2	0	2	25	00	11	11	4	1	0	0	0	1	0
PAMBAN	0830	11	1013.5	1012.2	+0.2	26.0	24.5	23.8	29.6	88	+11	4.2	+0.5	9.8	0	3	25	10	13	3	0	1	1	0	0	0	0
	1730	11	1009.9	1008.6	+0.1	28.1	26.2	25.3	32.4	86	+ 9	2.9	+0.1	13.9	0	8	20	23	2	0	0	1	1	0	1	0	0
TUTICORIN	0830	4	1014.1	1013.7	+0.7	25.8	22.6	21.0	25.1	76	+ 1	2.8	-0.2	9.4	0	0	28	19	5	0	0	0	0	0	4	0	0
	1730	4	1009.6	1009.2	+0.3	28.0	24.3	22.5	27.4	73	+ 0	1.9	-0.3	22.9	0	24	4	00	1	21	5	1	0	0	0	0	0
PALAYANKUTTAI	0830	51	1013.7	1008.0	+0.5	24.9	22.0	20.3	24.0	76	+ 1	3.5	-0.7	7.4	0	0	27	12	4	0	0	0	0	0	1	10	1
	1730	51	1009.0	1003.4	+0.3	30.7	23.3	19.3	22.7	52	- 2	2.8	-0.8	10.6	0	0	28	00	7	16	4	0	0	1	0	0	0
KANNIYAKUMARI	0830	37	1013.0	1008.9	..	26.9	22.2	19.6	23.1	65	..	1.7	..	17.2	0	16	12	15	10	1	1	0	0	1	0	0	0
	1730	37	1009.1	1005.0	..	28.2	23.7	21.4	25.5	67	..	2.0	..	18.6	0	15	13	00	12	9	4	0	3	0	0	0	0
PUNDICHERRY	0830	6	1014.1	1013.4	..	25.3	22.6	21.2	25.0	78	..	3.0	..	10.5	0	1	27	06	1	1	1	0	1	5	13	0	0
	1730	6	1010.6	1010.0	..	27.2	23.6	21.8	26.2	73	..	2.3	..	21.2	0	16	11	00	7	10	9	1	0	0	0	1	0
PORTNOVO	0830		(R)																								
TUTICORIN H.P	0830		(R)																								
	1130		(R)																								
	1430		(R)																								
	1730		(R)																								
COASTAL MYSORE																											
KARWAR	0830	4	1013.6	1013.1	+0.8	22.7	20.3	18.8	21.8	80	+ 0	1.4	-0.5	2.4	0	0	24	01	4	14	5	0	0	0	0	4	0
	1730	4	1009.6	1009.2	+0.3	28.8	24.5	21.9	26.6	67	+ 1	1.9	+0.2	6.2	0	0	28	01	0	0	0	0	2	5	20	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — FEBRUARY 1960 (MAGHA 12 - PHALGUNA 9, 1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb.: At mean sea level or M.L. in gms. of current standard barometric level	Mean pressure in mb.: At station level	Mean pressure in mb.: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative Humidity %	Relative Humidity %: Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind speed (Km. p. h.): 02 or more	20 to 61	1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL MYSORE (CONTD.)																											
HONAVAR	0830	26	1013.1	1010.1	-0.2	22.9	20.4	18.8	21.9	78	+ 3	2.5	-0.2	4.8	0	0	28	00	1	26	1	0	0	0	0	0	0
	1730	26	1009.4	1006.4	-0.3	29.4	23.9	21.1	25.2	62	- 2	2.7	+0.3	4.2	0	0	28	01	0	0	0	1	0	23	3	0	0
MANGALURE (BAJPE)	0230	102	1010.8	999.2	..	24.0	22.8	20.9	24.8	83	..	1.8	..	1.7	0	0	9	04	3	0	0	0	0	1	1	19	0
	0530	102	1010.8	999.1	..	22.9	21.4	20.6	24.3	87	..	2.6	..	2.6	0	0	12	03	2	7	0	0	0	0	0	16	0
	0830	102	1012.9	1001.3	+0.0	25.3	22.0	20.2	23.9	74	+ 1	2.4	+0.1	7.1	0	0	21	00	5	13	3	0	0	0	0	7	0
	1130	102	1012.5	1001.2	..	31.1	23.0	18.3	21.4	48	..	2.4	..	10.1	0	3	19	02	2	4	1	4	3	4	2	6	0
	1430	102	1009.2	997.9	..	31.7	23.8	19.6	23.3	50	..	2.1	..	22.4	0	19	9	00	0	0	0	0	10	14	2	0	0
	1730	102	1008.6	997.2	-0.4	29.5	23.3	20.1	23.6	57	- 1	2.1	+0.0	18.8	0	12	16	00	0	0	0	0	1	19	8	0	0
	2030	102	1011.2	999.7	..	26.2	23.0	21.4	25.6	75	..	2.4	..	5.4	0	0	20	07	0	0	0	0	0	3	10	8	0
	2330	102	1011.9	1000.4	..	25.3	22.7	21.3	25.4	79	..	2.0	..	1.7	0	0	8	05	1	0	0	0	0	0	2	20	0
MANGALURE	0830	22	1013.1	1010.6	+0.3	26.3	22.1	19.8	23.2	68	- 7	2.9	+0.6	2.5	0	0	23	00	5	12	6	0	0	0	0	5	0
	1730	22	1008.9	1006.4	-0.2	29.4	25.4	23.6	29.2	71	+ 5	1.0	-1.1	7.0	0	0	28	00	0	0	0	0	3	9	6	0	10
MANGALURE H.P.	0830		(R)																								
	1130		(R)																								
	1730		(R)																								
INTERIOR MYSORE, NORTH																											
BIDAR	0830	664	1013.2	939.8	+0.5	23.4	15.4	8.4	11.4	40	-10	2.6	+0.9	11.4	0	2	25	01	4	2	6	3	9	2	0	1	0
	1730	664	1007.0	935.8	-0.1	31.4	17.2	5.5	9.4	21	- 8	3.9	+1.5	8.9	0	2	22	01	2	3	7	3	6	0	2	4	0
GULBARGA	0830	458	1013.5	962.0	-0.2	23.3	16.6	11.7	14.3	50	+ 7	2.3	+1.2	3.9	0	1	9	01	2	5	0	1	0	1	0	18	0
	1730	458	1007.1	957.7	-0.3	33.9	20.7	12.1	15.0	28	+ 4	2.3	+0.4	6.7	0	0	20	00	0	15	3	0	0	1	1	8	0
BIJAPUR	0830	594	1013.7	947.2	+0.3	21.4	14.8	9.9	12.4	49	+ 2	2.8	+1.4	3.7	0	0	23	04	0	0	5	3	1	3	7	5	0
	1730	594	1006.6	942.8	-0.2	33.0	19.8	11.1	13.2	27	+ 1	3.2	+1.1	2.9	0	0	25	01	0	3	6	3	6	1	5	3	0
RAICHUR	0830	400	1013.5	968.7	+0.2	25.0	18.2	13.1	15.4	49	- 5	2.3	+0.8	5.5	0	0	28	01	10	0	9	1	5	0	2	0	0
	1730	400	1007.6	964.3	-0.3	33.1	19.3	8.3	11.4	28	- 6	2.5	+0.4	5.3	0	0	28	02	9	0	15	1	1	0	0	0	0
BELGAUM	0830	753	1013.6	929.9	+0.0	20.0	15.5	12.3	14.5	63	+ 2	0.7	-0.1	0.5	0	0	3	00	0	3	0	0	0	0	0	25	0
	1730	753	1006.8	926.5	-0.2	31.2	19.9	12.6	15.0	34	+ 4	0.6	-0.8	4.9	0	0	27	01	0	11	0	2	1	11	1	1	0
BELGAUM (SAMRA)	0530	747	1012.3	928.6	..	17.5	13.5	10.3	12.7	68	..	1.0	..	1.6	0	0	9	00	1	5	1	0	1	1	0	19	0
	0830	747	1013.5	930.7	+0.2	21.3	14.6	9.1	11.8	47	- 3	2.2	+0.6	5.4	0	3	12	01	4	4	4	0	0	1	0	15	1
	1130	747	1011.4	930.8	..	29.0	16.5	6.0	9.6	24	..	1.9	..	12.4	0	5	23	03	5	2	10	3	1	2	1	0	1
	1430	747	1007.0	927.5	..	32.0	17.1	4.6	8.7	18	..	2.2	..	12.4	0	4	24	02	0	6	7	3	3	3	2	0	2
	1730	747	1006.7	926.9	-0.3	31.0	17.8	7.7	10.9	25	- 3	2.0	+0.0	13.6	0	10	13	01	1	3	1	2	6	0	1	5	0
	2030	747	1011.1	929.2	..	24.0	17.6	12.9	15.5	52	..	1.4	..	10.1	0	2	23	00	1	1	2	0	3	10	0	3	0
GADAG	0530	650	1011.7	939.1	..	20.1	17.4	15.6	19.0	76	..	0.7	..	5.1	0	0	22	00	1	7	5	0	2	5	1	6	1
	0830	650	1012.3	940.1	-0.9	22.0	18.2	16.0	18.3	71	+17	0.8	-1.5	3.9	0	0	24	01	1	7	4	2	1	8	0	4	0
	1130	650	1011.4	941.2	..	30.6	20.8	15.0	17.7	40	..	1.6	..	8.1	0	0	27	02	4	7	6	0	2	0	4	1	2
	1430	650	1007.1	937.0	..	33.4	21.7	14.7	17.5	34	..	1.2	..	7.1	0	0	25	01	7	6	5	0	1	0	4	3	3
	1730	650	1005.8	936.7	-0.5	33.0	21.9	15.4	18.3	36	+ 5	1.1	-1.7	5.1	0	0	28	02	5	9	3	2	0	5	2	0	0
	2030	650	1010.1	939.2	..	27.3	19.5	14.7	16.9	47	..	1.2	..	5.7	0	0	24	00	8	6	3	1	2	2	2	4	0
	2330	650	1011.8	940.1	..	24.0	19.0	15.7	18.6	62	..	1.0	..	7.0	0	0	28	00	1	6	6	0	3	12	0	0	0
BIDAR A.F.	0530		(R)																								
	0830		(R)																								
	1130		(R)																								
	1730		(R)																								
	2330		(R)																								
INTERIOR MYSORE, SOUTH																											
BELLARY	0830	449	1012.6	962.1	-0.7	22.6	17.2	13.1	15.3	57	+ 6	1.0	-1.0	5.3	0	0	20	02	0	0	7	10	0	0	1	0	0
	1730	449	1006.8	958.4	-0.6	34.1	20.0	9.4	12.0	23	- 2	1.6	-0.9	6.2	0	0	22	00	0	0	10	11	0	0	1	6	0
CHITRADURGA	0830	733	1013.1	932.0	+0.1	21.7	17.0	14.3	16.5	63	+ 7	1.0	-1.0	3.6	0	0	19	00	0	5	4	0	7	3	0	9	0
	1730	733	1008.1	928.1	+0.0	31.8	18.7	9.4	12.2	26	+ 2	1.9	-0.5	2.4	0	0	18	00	0	11	6	0	0	1	0	10	0
SHIMOGA	0830		..	..	..	..	..	..	..	..	..	3.9	+1.3	0.6	0	0	5	00	1	3	1	0	0	0	0	23	0
	1730		..	..	..	..	..	..	..	..	..	2.8	+0.3	2.6	0	0	28	00	0	22	3	0	0	3	0	0	0
AGUMBE	0830		..	..	..	19.1	17.2	16.1	18.4	83	..	.	..	5.4	0	0	24	03	16	2	0	0	3	0	0	4	0
BALEHONNUR	0830		..	..	..	21.0	17.4	15.2	17.5	71	- 8	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HASSAN	0830	960	1526.8	908.1	-0.1	19.6	15.6	12.7	15.0	65	- 4	5.6	+3.4	1.7	0	0	13	04	2	2	1	2	0	1	1	15	0
	1730	960	1506.7	904.4	-0.1	28.1	17.8	10.6	12.9	34	+ 3	4.1	+1.2	2.8	0	0	24	00	4	8	6	1	0	2	3	4	0
BANGALURE	0230	921	1517.1	911.4	..	19.3	16.5	14.6	16.7	75	..	1.0	..	4.2	0	0	19	00	0	17	2	0	0	0	0	9	0
	0830	921	1533.4	913.1	+0.8	19.9	17.0	15.1	17.3	75	+ 8	2.6	+0.0	4.6	0	0	22	00	0	14	7	0	1	0	0	6	0
	1130	921	1546.4	912.9	..	27.0	19.0	14.0	16.4	46	..	1.9	..	5.6	0	0	26	00	0	17	3	1	2	0	0	2	3
	1430	921	1531.0	910.6	..	29.6	19.9	13.8	16.2	39	..	2.3	..	6.6	0	0	28	00	1	20	7	0	0	0	0	0	0
	1730	921	1523.8	910.1	+1.1	28.6	19.5	13.8	16.2	41	+12	2.4	-0.4	5.9	0	0	26	00	0	17	9	0	0	0	0	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - -FEBRUARY 1969 (MAGHA 12 - PHALGUNA 9, 1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
INTERIOR MYSORE SOUTH (CONTD.)																											
BANGALORE	2030	921	1529.8	911.7	..	24.1	18.0	14.0	16.3	55	..	1.1	..	6.6	0	0	26	00	0	21	4	1	0	0	0	2	0
BANGALORE AERODROME	0530	897	1501.8	913.1	..	16.7	14.9	13.6	15.7	83	..	1.9	..	3.6	0	0	22	01	3	10	5	1	0	2	0	6	0
	0830	897	1519.3	915.3	+0.5	19.8	16.4	14.0	16.8	71	+ 7	2.9	+0.1	6.2	0	0	24	00	0	14	5	0	3	1	0	4	1
	1130	897	1544.0	915.1	..	27.0	18.0	11.7	13.8	40	..	2.1	..	13.1	0	5	23	00	0	12	10	2	2	0	1	0	1
	1730	897	1513.1	911.5	+0.2	28.9	18.6	11.5	13.9	35	+ 5	2.3	-0.7	12.3	0	1	26	00	0	16	10	0	0	1	0	1	0
	2330	897	1522.5	914.3	..	20.6	16.1	12.8	15.0	62	..	0.5	..	8.6	0	1	26	00	0	19	7	1	0	0	0	1	0
MYSORE	0830	767	1013.7	928.7	+0.3	20.9	17.0	14.4	16.6	67	- 2	3.4	+0.6	4.6	0	0	28	05	3	5	1	5	2	6	1	0	0
	1730	767	1006.3	924.5	-0.1	30.2	17.3	7.0	10.3	24	- 1	2.6	-0.3	7.9	0	0	28	06	3	17	0	1	0	0	1	0	0
YALANKA A.F.	0530		(R)																								
	0830		(R)																								
	1130		(R)																								
	1730		(R)																								
	2330		(R)																								
KERALA																											
CALICUT	0530	5	1010.9	1010.3	..	24.0	22.5	21.7	26.0	87	..	1.7	..	4.4	0	0	23	02	8	13	0	0	0	0	0	5	0
	0830	5	1012.9	1012.3	+0.2	26.7	23.2	21.4	25.5	73	- 3	2.5	-0.3	3.2	0	0	26	00	2	3	0	0	11	10	0	2	0
	1130	5	1012.6	1012.0	..	30.7	24.5	21.6	25.9	58	..	2.4	..	6.6	0	0	28	00	0	0	0	0	4	24	0	0	0
	1430	5	1009.7	1009.1	..	31.8	25.1	22.0	26.5	57	..	2.3	..	7.5	0	0	28	00	0	0	0	4	10	11	3	0	0
	1730	5	1009.2	1008.6	+0.2	29.9	25.0	22.7	27.6	66	+ 0	2.0	-0.7	7.5	0	0	28	00	0	0	0	0	10	8	10	0	0
	2330	5	1011.7	1011.1	..	27.0	24.2	22.8	27.8	78	..	1.1	..	4.6	0	0	24	09	1	6	0	2	0	5	1	4	0
PALGHAT	0830	97	1013.3	1002.2	+0.3	26.0	22.0	19.7	23.2	67	+ 3	3.3	+0.8	8.6	0	0	28	00	0	25	0	0	0	3	0	0	0
	1730	97	1007.6	996.9	+0.1	34.2	22.5	15.3	17.9	34	+ 1	2.6	-0.4	8.7	0	0	28	00	0	23	0	0	0	5	0	0	0
FORT COCHIN	0830	3	1012.8	1012.5	+0.1	28.1	24.9	23.2	28.6	75	+ 3	5.2	+1.5	4.7	0	0	27	01	17	8	1	0	0	0	0	1	0
COCHIN(NAVAL AIR STATION)	1730	3	1008.2	1007.9	-0.4	29.2	26.3	25.1	32.1	78	+10	5.7	+2.5	12.6	0	0	28	00	0	0	0	0	1	15	12	0	0
	0230	3	1010.7	1010.4	..	25.6	24.0	23.3	28.6	87	..	3.5	..	1.5	0	0	7	01	3	1	1	0	0	0	1	21	0
	0530	3	1010.5	1010.2	..	24.6	23.3	22.6	27.6	89	..	3.3	..	1.6	0	0	7	00	5	1	1	0	0	0	0	21	0
	0830	3	1012.6	1012.3	..	27.9	23.6	21.9	26.5	74	..	3.0	..	5.2	0	0	22	00	14	8	0	0	0	0	0	6	0
	1130	3	1012.6	1012.3	..	30.6	24.1	20.8	24.8	57	..	3.4	..	9.5	0	0	28	00	1	3	3	4	0	6	11	0	0
	1730	3	1008.3	1008.0	..	29.8	24.7	22.3	27.1	65	..	2.8	..	15.9	0	5	23	00	0	0	0	0	4	19	5	0	0
	2330	3	1011.8	1011.5	..	26.9	24.4	23.2	28.5	81	..	3.8	..	1.5	0	0	6	01	1	0	0	0	1	0	3	22	0
ALLEPPEY	0830	4	1013.0	1012.6	+0.9	26.9	23.8	22.3	27.1	76	+ 0	3.2	-1.0	4.9	0	0	28	00	11	6	10	1	0	0	0	0	0
PUNALUR	1730	4	1008.9	1008.5	+0.6	30.3	25.6	23.5	29.0	68	- 2	2.0	-1.6	20.1	0	23	5	00	0	0	0	0	0	7	21	0	0
	0830	34	1013.2	1009.4	+0.8	25.9	22.0	19.9	23.4	70	- 8	2.9	-0.3	1.1	0	0	6	00	1	2	2	0	0	1	0	22	0
	1730	34	1008.4	1004.6	+0.1	33.2	24.2	19.4	22.8	45	+ 0	5.2	+0.6	8.2	0	0	28	01	0	2	1	0	12	11	1	0	0
TRIVANDRUM	0230	64	1010.6	1003.3	..	25.0	23.2	22.2	26.9	85	..	2.0	..	0.8	0	0	5	01	3	0	0	0	0	1	0	23	0
	0530	64	1010.7	1003.3	..	23.8	22.3	21.5	25.7	87	..	3.0	..	3.1	0	0	15	00	14	1	0	0	0	0	0	13	0
	0830	64	1012.8	1005.5	+0.3	25.8	23.0	21.5	25.7	77	- 2	2.8	+0.5	3.6	0	0	21	00	16	3	0	0	0	0	2	7	0
	1130	64	1012.2	1005.0	..	30.7	24.0	20.5	24.3	55	..	4.3	..	7.0	0	0	27	02	1	0	0	0	9	9	6	1	0
	1430	64	1009.1	1001.9	..	30.9	24.2	20.8	24.9	55	..	3.6	..	9.5	0	0	27	00	0	0	0	2	11	9	4	1	1
	1730	64	1009.1	1001.9	+0.0	29.3	24.3	21.9	26.3	65	+ 2	4.4	+0.8	7.2	0	0	28	00	0	1	0	3	9	4	7	0	4
	2030	64	1011.2	1003.9	..	27.2	24.3	22.9	28.0	78	..	3.1	..	1.4	0	0	9	00	1	0	0	0	1	6	1	19	0
	2330	64	1012.0	1004.7	..	26.1	23.9	22.9	28.0	83	..	3.0	..	2.6	0	0	14	03	4	2	0	0	1	0	4	14	0
TRIVANDRUM AERODROME	0830	8	1013.2	1012.3	+1.2	26.2	23.2	21.7	26.0	77	+ 3	3.8	+0.8	6.6	0	0	22	04	8	9	0	0	0	0	0	6	1
ARABIAN SEA ISLANDS																											
AMINI	0530	4	1010.7	1010.2	..	25.9	23.1	21.6	25.9	78	..	2.8	..	9.5	0	3	25	20	3	0	0	0	0	0	5	0	0
	0830	4	1012.9	1012.4	+0.2	27.0	23.5	21.8	26.2	73	+ 0	3.0	-0.1	5.5	0	0	26	16	6	1	0	0	0	0	3	2	0
	1130	4	1013.3	1012.8	..	30.0	24.3	21.6	25.8	61	..	2.3	..	10.9	0	2	26	19	4	3	0	0	0	0	2	0	0
	1730	4	1009.5	1009.1	..	29.3	24.2	21.8	26.1	64	..	2.7	..	10.8	0	1	26	17	3	1	1	0	0	0	5	1	0
	2330	4	1012.0	1011.5	..	26.4	23.4	21.9	26.4	77	..	1.8	..	12.7	0	6	18	13	1	0	0	0	0	0	10	4	0
AGATTI	0830	4	1013.2	1012.8	..	27.1	23.9	22.4	27.1	82	..	5.0	..	2.7	0	0	24	14	2	1	0	0	0	0	7	4	0
	1730	4	1009.9	1009.4	..	29.1	24.5	22.3	26.9	67	..	3.7	..	4.9	0	0	28	12	3	2	0	0	0	0	11	0	0
ANDROTH	0830	5	1013.3	1012.8	..	27.2	24.5	23.2	28.5	79	..	4.3	..	2.7	0	0	25	07	11	0	0	0	0	0	5	3	2
	1730	5	1008.2	1007.7	..	29.6	25.0	22.9	27.9	67	..	4.6	..	3.0	0	0	20	06	7	0	0	0	0	1	2	8	4
MINICOY	0530	2	1010.8	1010.6	..	24.7	23.0	22.2	26.8	86	..	3.0	..	2.1	0	0	10	05	2	3	0	0	0	0	0	18	0
	0830	2	1012.9	1012.7	+0.4	27.0	24.2	22.9	27.9	79	+ 2	3.3	-0.4	3.9	0	0	20	09	2	4	2	0	0	0	3	8	0
	1130	2	1013.1	1012.9	..	30.0	25.1	22.9	28.0	66	..	4.0	..	6.9	0	0	26	10	5	4	3	0	0	0	4	2	0
	1430	2	1010.2	1010.0	..	30.2	25.2	22.9	27.9	65	..	3.5	..	8.5	0	1	26	11	4	5	2	0	0	0	5	1	0
	1730	2	1009.7	1009.5	+0.2	29.2	24.8	22.7	27.6	68	- 4	2.9	-1.1	5.1	0	0	22	09	4	4	1	0	0	0	4	6	0
	2030	2	1011.5	1011.3	..	26.[illegible]	23.8	22.4	27.1	77	..	2.4	..	2.3	0	0	9	05	1	2	0	0	0	0	1	19	0
	2330	2	1012.3	1012.1	..	25.[illegible]	23.5	22.3	26.9	81	..	3.0	..	3.4	0	0	14	06	2	2	0	0	0	0	4	14	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — FEBRUARY 1969 (MAGHA 12 - PHALGUNA 9, 1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
[illegible] STATION (EXCLUDING KASHMIR)																											
[illegible]	0830	1959	1451.1	799.6	+0.7	7.0	5.3	3.3	8.0	81	+19	6.0	+3.4	0.1	0	0	2	00	2	0	0	0	0	0	0	26	0
	1730	1959	1435.5	798.4	+0.0	8.6	6.7	4.9	8.8	78	+17	6.1	+2.7	0.2	0	0	3	00	2	0	1	0	0	0	0	25	0
DHARMASALA	0830	1211	1544.2	885.1	+0.1	10.4	6.9	2.6	7.5	60	+ 4	4.3	+1.3	2.0	0	0	13	04	4	2	1	1	0	1	0	15	0
	1730	1211	1533.2	887.0	+2.7	15.1	9.6	4.0	8.3	49	- 6	4.3	+0.5	2.6	0	0	27	01	1	3	1	2	16	3	0	1	0
BHUNTAR	0830	1096	1513.9	895.2	..	5.0	4.4	3.7	8.1	92	..	4.6	..	4.4	0	0	20	10	1	0	2	1	1	1	4	8	0
	1130	1096	1519.9	894.4	..	11.4	7.6	3.2	7.8	59	..	4.9	..	8.0	0	3	23	06	5	4	2	5	0	1	3	2	0
	1730	1096	1486.3	890.6	..	14.6	9.5	3.7	8.2	50	..	4.9	..	9.5	0	2	23	04	0	0	3	6	4	1	7	3	0
SIMLA	0830	2202	1496.4	780.9	+0.1	6.4	1.5	- 8.1	3.6	40	- 5	2.7	-0.5	1.9	0	0	24	00	1	0	16	1	4	0	2	4	0
	1730	2202	1483.6	779.9	-0.5	7.8	3.9	- 1.4	5.7	55	- 4	3.8	-0.6	2.2	0	0	27	00	3	0	5	2	14	1	2	1	0
GHANGARIA [illegible]	0830		..	..	..	- 0.3	- 1.9	- 4.4	4.3	74	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
BADRINATH	0830		(R)																								
JOSHIMATH	0830		..	..	..	7.3	6.3	5.2	9.1	87	+36	1.3	-1.3	7.2	0	0	25	03	2	15	2	3	0	0	0	3	0
	1730		..	..	..	12.1	10.4	8.6	11.8	81	+33	2.2	-2.1	4.9	0	0	28	02	0	7	1	6	1	11	0	0	0
MUSSOORIE	0830	2042	1491.4	795.8	-1.4	7.8	4.1	- 1.0	5.9	57	+ 1	2.8	-0.5	0.7	0	0	9	02	2	0	2	2	0	0	1	19	0
	1730	2042	1478.6	794.5	-2.0	9.5	7.2	4.7	8.7	73	+ 2	3.8	-0.4	1.6	0	0	19	02	3	0	6	6	2	0	0	9	0
MUKTESWAR (KUMAON)	0830	2311	3122.2	772.8	+1.4	7.7	2.3	- 7.7	3.8	39	-12	2.4	-0.3	10.1	0	3	25	01	6	7	1	1	2	6	4	0	0
	1730	2311	3107.9	771.4	+1.1	9.1	4.6	- 1.6	5.6	50	-10	2.8	-0.5	10.9	0	1	25	00	0	1	1	0	5	14	5	2	0
NAINITAL	0830	1953	1497.5	804.7	+0.3	7.2	3.0	- 3.4	4.8	45	- 2	1.9	-0.4	1.6	0	0	11	03	0	1	1	0	0	6	0	17	0
	1730	1953	1478.9	803.1	-0.4	9.0	5.0	0.2	6.3	57	- 4	2.1	-0.6	6.6	0	1	27	00	0	1	1	1	0	25	0	0	0
KALIMPONG	0830	1209	1482.2	878.2	-2.1	12.7	10.0	7.3	10.4	69	- 8	0.4	-2.2	6.0	0	0	28	00	0	0	4	0	0	0	24	0	0
	1730	1209	1447.6	874.5	-3.2	13.9	10.8	7.9	10.7	68	-11	0.4	-3.3	6.1	0	0	28	00	2	0	26	0	0	0	0	0	0
DARJEELING	0830	2128	1520.6	790.5	-0.3	7.7	5.8	3.7	7.8	77	+ 3	4.5	+0.3	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
	1730	2128	1499.5	788.5	-0.2	7.8	6.3	4.7	8.3	82	+ 1	5.5	+0.0	1.5	0	0	11	00	0	0	0	0	11	0	0	17	0
KOHIMA	0830		(R)																								
	1730		(R)																								
SHILLONG (SOHRA)	0830	1598	1507.0	841.1	+0.8	13.0	7.6	1.1	7.1	48	- 5	0.7	-1.4	5.6	0	0	27	00	1	4	0	0	6	9	7	1	0
	1730	1598	1485.4	839.0	+1.1	12.7	8.9	5.1	9.1	62	- 5	3.2	-2.1	3.6	0	0	23	01	1	0	0	1	7	6	7	5	0
CHERRAPUNJI	0830	1313	1489.7	868.1	-2.2	16.1	12.3	4.1	0.0	45	-16	0.3	-1.8	7.5	0	2	26	00	8	0	0	0	20	0	0	0	0
	1730	1313	1484.7	867.6	-0.4	14.1	10.5	6.9	0.0	63	-10	0.4	-2.9	6.9	0	0	28	00	2	0	0	0	26	0	0	0	0
AGRA	0830	1195	1484.0	879.7	-3.3	14.4	8.8	2.4	7.6	46	+ 4	0.6	-0.8	0.6	0	0	3	01	0	0	0	0	1	0	1	25	0
	1730	1195	1506.8	882.0	+0.4	19.3	12.0	4.7	8.8	39	+ 5	1.0	-0.6	1.2	0	0	6	01	0	0	0	2	3	0	0	22	0
[illegible]	0830		(R)																								
	1730		(R)																								
[illegible]	0830	1075	1527.2	896.4	-0.1	17.1	10.6	3.7	8.2	42	-12	2.0	+0.1	1.2	0	0	13	00	2	0	0	6	2	1	2	15	0
	1730	1075	1515.7	894.2	+0.1	24.5	13.3	1.9	7.2	24	-13	2.9	+0.6	2.3	0	0	26	00	4	0	0	0	2	5	15	2	0
[illegible]	0830	1382	1529.2	865.0	+0.2	18.3	10.3	1.2	6.3	33	-10	0.6	-0.1	9.1	0	0	28	00	16	0	2	0	4	0	6	0	0
	1730	1382	1516.4	863.4	+0.5	24.8	14.9	6.1	9.7	32	- 8	0.6	-0.6	8.9	0	0	28	00	18	0	0	0	1	0	9	0	0
[illegible]	0830	1152	1528.0	888.2	+0.8	19.9	15.7	12.6	14.8	64	- 9	0.9	-1.2	5.9	0	1	23	14	6	2	1	0	0	1	0	4	0
	1730	1152	1507.1	885.2	+0.4	26.0	18.0	12.4	15.1	45	- 8	1.5	-1.2	8.5	0	0	28	13	7	3	0	0	0	1	1	0	3
[illegible]	0830	2249	1534.6	781.8	+1.0	12.6	12.4	8.8	11.3	90	+23	1.6	-0.1	0.7	0	0	10	00	4	2	3	0	0	1	0	18	0
	1730	2249	1495.6	779.6	+0.3	18.3	12.6	8.2	10.9	52	- 8	2.5	-1.0	0.9	0	0	11	01	0	5	5	0	0	0	0	17	0
[illegible]	0830		..	..	..	18.7	11.5	4.8	9.1	43	-20	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	0830	2343	3169.5	772.9	+0.5	14.2	8.0	- 0.1	6.9	45	-12	2.4	+0.0	12.5	0	6	22	04	8	5	9	1	0	0	1	0	0
	1130	2343	3183.8	773.3	..	17.5	10.6	3.2	8.3	43	..	2.7	..	12.5	0	2	26	04	10	3	10	1	0	0	0	0	0
	1730	2343	3155.1	771.5	+0.5	14.8	11.0	7.3	10.7	64	- 6	3.3	-1.2	6.1	0	0	23	00	6	1	10	5	0	0	1	5	0
[illegible]	0830	6690	(R)																								
	1730	6690	(R)																								
[illegible]																											
[illegible]	0830	1324	1509.0	869.5	-1.0	6.8	5.5	4.0	8.3	83	- 2	2.1	-2.3	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
	1130	1324	1507.9	868.6	..	18.4	11.2	3.6	8.1	39	..	1.7	..	1.6	0	0	18	06	0	2	0	6	2	2	0	10	0
	1730	1324	1479.7	865.9	-1.6	16.4	10.4	4.1	8.4	45	-15	1.8	-1.1	1.2	0	0	9	02	0	0	2	0	1	1	3	19	0
STATIONS																											
[illegible]	0830		(R)																								
[illegible] OBSERVATORIES																											
[illegible]																											
[illegible]	0830		..	..	..	19.1	13.4	7.7	11.1	49	..	1.7	..	5.6	0	0	16	00	1	0	1	0	1	6	7	12	0
	1730		..	..	..	24.7	15.0	5.3	9.3	30	..	1.6	..	5.3	0	1	21	01	0	1	0	0	0	7	13	6	0
[illegible]	0830	615	978.1	944.9	..	19.2	12.5	6.0	9.9	44	..	1.8	..	8.5	0	2	21	00	1	3	0	2	3	9	5	5	0
	1730	615	974.1	941.9	..	23.0	14.6	7.1	10.7	38	..	2.6	..	7.1	0	0	21	02	0	2	0	0	1	12	4	7	0
[illegible]	0830		(R)																								

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - -FEBRUARY ,1969(MAGHA 12 - PHALGUNA 9,1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or if, in gen. of current standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point				Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															0 or calm	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
DAMODAR CATCHMENT.(CONTD.)																												
KONAR	1730		(R)																									
BOKARO	0830	242	1014.0	986.0	..	18.7	13.8	9.2	12.2	55	..	1.1	..	..	.	..	..	00	0	0	0	0	0	0	0	28	0
	1730	242	1010.6	983.3	..	25.6	17.6	11.1	13.9	42	..	1.5	..	..	.	..	..	00	0	0	0	0	0	0	0	28	0
MAITHON	0830		..	..	..	24.3	16.1	8.1	12.0	39	..	1.3	..	3.6	0	0	28	00	2	0	5	1	6	0	14	0	0
	1730		..	..	..	28.3	18.2	9.8	13.4	34	..	1.2	..	3.6	0	0	28	01	4	0	5	0	6	0	12	0	0
RAMGARH	0830		..	..	..	17.9	12.4	6.5	10.2	48	..	1.1	..	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
	1730		..	..	..	25.7	15.3	5.2	9.3	28	..	0.9	..	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
PANCHET HILLS	0830		..	..	..	19.0	14.1	9.4	12.2	56	..	1.6	..	2.1	0	0	24	00	3	0	1	0	6	7	7	4	0
	1730		..	..	..	26.8	16.8	8.0	11.5	32	..	1.7	..	1.4	0	0	16	00	0	0	2	0	2	7	5	12	0
DURGAPUR	0830		..	..	..	21.6	16.7	12.8	15.3	59	..	0.0	..	9.5	0	3	24	14	1	1	3	5	2	0	1	1	0
	1730		..	..	..	26.5	20.2	16.1	18.7	53	..	0.0	..	8.7	0	2	24	08	0	3	6	3	3	0	3	2	0
MAHANADI CATCHMENT																												
GINABAHAR	0830		..	..	..	19.2	13.4	8.0	11.2	50	..	0.5	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HIRAKUD	0830	159	1014.3	996.1	..	23.1	17.1	12.3	14.7	52	..	0.9	..	1.7	0	0	10	03	4	0	0	0	0	0	0	18	3
	1130	159	1013.6	995.7	..	28.8	18.9	11.2	14.0	35	..	1.0	..	1.6	0	0	17	08	0	1	0	2	0	3	2	11	1
	1730	159	1009.6	991.9	..	30.8	19.7	11.4	14.1	31	..	1.5	..	0.4	0	0	4	01	0	0	0	0	1	0	1	24	1
BHIMKUND	0830		(R)																								
	1730		(R)																								
SONEPUR	0830		..	..	..	24.1	19.0	15.6	18.0	60	..	.	..	2.7	0	0	15	00	0	13	1	0	0	1	0	13	0
KHIJRAWAN	0830		..	..	..	22.5	16.9	12.6	14.8	54	..	1.3	..	6.2	0	0	28	01	1	10	2	3	5	2	4	0	0
	1730		..	..	..	30.8	20.6	13.0	16.5	36	..	1.9	..	7.0	0	0	28	06	6	1	4	1	3	3	4	0	0
NARMADA CATCHMENT																												
BAGRA TAWA	0830		..	..	..	18.3	11.5	3.8	8.2	38	..	1.5	..	10.1	0	1	23	02	8	2	0	6	6	0	0	4	0
	1730		..	..	..	29.6	16.3	2.8	7.8	19	..	2.2	..	7.9	0	1	21	04	2	1	1	0	3	8	3	6	0
PUNASA	0830		..	..	..	18.4	12.7	6.8	10.1	48	..	.	..	1.6	0	0	12	00	8	0	0	1	3	0	0	16	0
	1730		..	..	..	30.6	19.0	9.7	12.6	29	..	.	..	2.9	0	0	21	01	5	0	0	0	13	1	1	7	0
THIKRI	0830		..	..	..	23.4	14.9	6.8	10.1	36	..	1.0	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SABARMATI CATCHMENT																												
DAROI	0830		..	..	..	18.5	12.5	5.9	9.3	46	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	28.9	16.4	3.1	7.6	22	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
JHAROL	0830		..	..	..	13.2	10.5	7.6	10.6	70	..	.	..	4.1	0	0	13	03	0	0	0	0	0	10	0	15	0
GANDAK CATCHMENT																												
JAMUSUM	0830		..	..	..	2.1	0.1	- 4.6	4.4	61	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	7.8	3.7	- 1.5	5.6	54	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KHUDI BAZAR	0830		..	..	..	13.7	9.7	5.8	9.3	61	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	19.3	12.8	6.9	10.1	46	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TIMURE	0830		..	..	..	7.2	2.3	- 5.6	4.1	42	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	14.0	7.1	- 1.6	5.7	37	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
PUKHARA	0830		..	..	..	14.6	10.7	7.1	10.2	62	..	2.3	..	3.9	0	0	23	10	1	2	1	0	1	2	6	5	0
	1130		..	..	..	20.1	13.1	6.9	10.0	43	..	2.2	..	6.3	0	0	28	08	0	3	17	6	2	0	0	0	0
	1730		..	..	..	19.9	13.0	6.9	10.1	44	..	3.5	..	5.8	0	0	27	01	0	2	19	2	1	1	1	1	0
GORKHA	0830		..	..	..	15.1	10.7	6.6	9.8	58	..	1.2	..	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
	1130		..	..	..	18.7	12.7	7.4	10.4	49	..	1.8	..	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
	1730		..	..	..	17.7	11.7	5.9	9.4	47	..	1.8	..	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
NUWAKOT	0830		..	..	..	12.6	9.2	5.5	9.1	63	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	18.9	11.3	3.4	8.0	37	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																												
DAILEKH	0830		..	..	..	11.5	7.5	2.8	7.6	57	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	16.6	10.5	4.1	8.4	46	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT																												
SALLYANA	0830		..	..	..	12.8	7.1	- 0.7	6.0	41	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	15.2	9.2	2.1	7.3	43	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BUTWAL	0830		..	..	..	17.3	13.2	9.5	12.0	61	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	22.8	16.4	11.3	13.6	50	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BAGHMATI CATCHMENT																												
KATMANDU	0830																											
	1130		SEE UNDER NEPAL																									
	1730																											

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — FEBRUARY 1969 (MAGHA 12 - PHALGUNA 9, 1890 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas)		Mean wind speed K.m. per hour	No. of observations												
			At mean sea level or M. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point				Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KOSI CATCHMENT																											
CHAUTARA	0830		(R)																								
	1730		(R)																								
WALUNGCHUNG GOLA	0830		..	..	..	3.4	- 0.6	- 7.0	3.5	50	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	2.1	0.6	- 1.5	5.4	78	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLETHOK	0830		..	..	..	13.4	8.8	3.7	7.8	54	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	15.8	9.4	1.9	7.1	40	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BHOJPUR	0830		..	..	..	12.2	8.2	4.1	8.3	60	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	12.1	8.4	4.6	8.8	64	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLEJUNG	0830		..	..	..	9.8	6.8	3.4	7.9	66	..	2.6	..	0.7	0	0	9	03	1	0	0	0	2	1	2	19	0
	1130		..	..	..	14.1	8.8	3.6	8.0	51	..	2.6	..	6.3	0	0	27	03	0	1	3	7	2	8	3	1	0
	1730		..	..	..	12.7	7.8	2.7	7.5	52	..	3.6	..	10.4	0	5	16	00	0	0	7	12	1	1	0	7	0
DHALDHUNGA	0830		..	..	..	10.4	6.4	1.7	7.1	58	..	2.4	..	0.5	0	0	3	00	0	0	0	1	0	2	0	25	0
	1130		..	..	..	14.4	7.9	0.3	6.5	41	..	2.2	..	4.2	0	2	13	00	0	0	0	3	2	7	3	13	0
	1730		..	..	..	11.9	7.4	2.3	7.4	54	..	2.5	..	6.9	0	4	11	00	0	0	0	0	4	10	1	13	0
CHAINPUR	0830		..	..	..	12.8	9.6	6.5	9.7	66	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	13.2	10.4	7.8	10.6	70	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BARAHAKSHETRA	0830	146	1015.5	998.3	..	15.5	12.6	9.9	12.3	70	..	0.7	..	1.6	0	0	16	02	0	2	2	0	2	6	2	12	0
	1130	146	1013.5	996.7	..	23.0	15.9	10.0	12.4	45	..	1.1	..	4.8	0	0	28	00	0	0	0	0	3	24	1	0	0
	1730	146	1010.2	993.4	..	21.4	15.2	9.9	12.3	49	..	1.4	..	0.9	0	0	10	00	1	2	0	0	0	6	0	18	1
TISTA CATCHMENT																											
GANGTOK	0830	1812	1506.9	819.7	..	8.9	7.3	5.6	9.1	80	..	4.8	..	1.0	0	0	8	01	2	0	0	0	4	0	0	20	1
	1730	1812	1496.3	819.2	..	13.4	9.2	5.3	9.0	59	..	5.3	..	5.3	0	0	25	00	0	0	0	4	19	2	0	3	0
	1730		1477.4	817.1	..	11.1	8.5	6.1	9.5	72	..	6.9	..	3.2	0	0	19	00	1	0	10	7	1	0	0	9	0
GEZING	0830		..	..	..	10.9	8.9	6.8	9.9	76	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	12.9	10.0	7.2	10.3	69	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

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भारत सरकार

GOVERNMENT OF INDIA

मौसम विज्ञान विभाग

METEOROLOGICAL DEPARTMENT

भारतीय मौसम पुनरीक्षण

INDIA WEATHER REVIEW

1969

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मासिक मौसम रिपोर्ट

MONTHLY WEATHER REPORT

मार्च

MARCH

भारत सरकार के प्राधिकार द्वारा वेधशालाओं के महानिदेशक के निदेशाधीन प्रकाशित
Published by the Authority of the Government of India Under the Direction of the Director General of Observatories

मौसम कार्यालय, पूना में रोटाप्रिंट पर मुद्रित : प्रकाशनों के प्रबंधक, दिल्ली द्वारा प्रकाशित
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प्रकाशनो के प्रबंधक, भारत सरकार, दिल्ली 6 द्वारा प्रतिलिप्याधिकारित (कापीराइट) (सी)
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INDIA WEATHER REVIEW, 1969

Monthly Weather Report

MARCH

Kailashahar 2 cm on 9th; Silchar 5 cm, Kailashahar 2 cm on 10th, Tezpur and Tangla 3 cm on 16th; Rangiya 3 cm on 17th, Krishnanagar and Shillong 2 cm on 18th, Golaghat and Cooch Behar 2 cm on 22nd, Agartala 6 cm. and Forbesganj 3 cm on 24th, Calcutta (Alipore) 2 cm on 25th, Digboi 3 cm on 28th, Sibsagar, Mohanbari and Shimoga 2 cm each on 29th and Sambra 3 cm on 30th.

Associated with the westward movement of a feeble upper air cyclonic circulation extending to about 1 km a.s.l. across the extreme south Peninsula, isolated rain or thundershowers occurred over Kerala on 2nd and 3rd. Punalur recorded 2 cm of rain on 2nd as well as on 3rd.

Isolated rain or thundershowers also occurred over the Bay Islands between 11th and 17th, and 26th and 28th. The noteworthy amounts of rainfall were : Nancowry 9 cm on 11th, Kondul 2 cm on 13th, Port Blair 4 cm on 16th, and Nancowry 2 cm on 26th and 5 cm on 28th.

Some of the noteworthy upper air features during the month were :

1. A western trough oriented northeast to southwest in the middle and upper troposphere developed on 11th evening over the area extending from Uttar Pradesh to Gujarat State. It slowly tilted east-west and was extending from Assam to west Madhya Pradesh by 13th. In this trough a cyclonic circulation developed over east Madhya Pradesh and adjoining Uttar Pradesh on 13th and moved to Assam by 15th.

2. A well marked trough in the upper tropospheric westerlies moved across the country and the Bay of Bengal between 15th and 18th.

3. Another trough in the upper tropospheric westerlies developed on 21st and was extending from east Uttar Pradesh to Coastal Andhra Pradesh. It persisted in the longitudinal belt between 80 - 90°E for a few days and moved away eastwards by 25th.

March was quite a warm month with maximum temperatures remaining above normal particularly in the first fortnight over most parts of the country, appreciably so in many parts of north India and markedly so in west Rajasthan. They were below normal (1) over most parts of northwest India between 20th and 23rd and on 27th and 28th; (2) in Uttar Pradesh on 21st and 22nd; and (3) in most parts of northeast India outside Orissa between 18th and 25th, being appreciably so between 21st and 23rd.

The minimum temperatures were above normal over (1) most parts of northwest India including Gujarat State on many days between 4th and 26th, being appreciably so on 8th, 18th and 25th; (2) most parts of Madhya Pradesh and Uttar Pradesh on 9th and 10th, from 15th to 19th and from 24th to 29th, being appreciably so on a few days (3) most parts of northeast India on 1st and 2nd, from 8th to 10th and on 16th and 29th and (4) most parts of north Peninsula from 8th to 10th, 13th to 15th and 27th to 31st and in Madras State and adjoining Andhra Pradesh from 18th to 22nd. They were below normal over (1) most parts of northwest India from 27th to 31st; (2) over Uttar Pradesh from 2nd to 4th, 20th to 22nd and on 29th and 30th; (3) most parts of northeast India from 4th to 6th and on 21st and 31st; and (4) extreme south Peninsula from 5th to 7th and most parts of Madhya Maharashtra from 17th to 21st, being appreciably so on 18th.

The rainfall for the month was in large excess in Sub-Himalayan West Bengal and North Interior Mysore in moderate excess in North Assam and Himachal Pradesh, in slight excess in Bihar Plains and Haryana, normal in Bay-Islands, South Assam, West Uttar Pradesh, Punjab, Jammu and Kashmir and south Interior Mysore. It was in slight defect in Gangetic West Bengal, in moderate defect in Telangana and in large defect over the rest of the country. There was no rain in Gujarat, Saurashtra-Kutch Marathwada, Coastal Mysore and Arabian Sea Islands.

The mean maximum temperature was normal in Bay Islands, Assam, Sub-Himalayan West Bengal Konkan, Coastal Mysore, South Interior Mysore, Kerala and Arabian Sea Islands. It was above normal over the rest of the country.

The mean minimum temperature was above normal in Gangetic West Bengal, Haryana, Punjab, Himachal Pradesh , Rajasthan, Madhya Pradesh, Gujarat, Madhya Maharashtra, Vidarbha and North Interior Mysore It was normal over the rest of the country.

The mean Relative Humidity in the morning was above normal in Saurashtra-Kutch, below normal in East Rajasthan, East Madhya Pradesh, Marathwada and Vidarbha, and normal over the rest of the country.

The mean Relative Humidity in the evening was above normal in West Bengal, Konkan and Rayalaseema, below normal in Bihar Plateau, East Rajasthan and Marathwada and normal over the rest of the country.

The mean cloud amount in the morning was above normal in Orissa, Gujarat, Saurashtra-Kutch, Konkan, Madhya Maharashtra, Marathwada and Mysore; below normal in Uttar Pradesh, Haryana, Punjab, Himachal Pradesh, Jammu and Kashmir and East Rajasthan and normal over the rest of the country.

The mean cloud amount in the evening was above normal in Orissa, Gujarat, Saurashtra-Kutch, Konkan, Madhya Maharashtra, Marathwada, Vidarbha, Rayalaseema, Coastal Mysore and North Interior Mysore below normal in Bihar Plains, West Uttar Pradesh, Haryana, Punjab, Himachal Pradesh, Jammu and Kashmir, East Rajasthan and Arabian Sea Islands and normal over the rest of the country.

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

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

Poona-5;
5th May 1969.

Y.P. RAO
for Director General of Observatories

SG/

TABLE I - DIVISIONAL AND SUB-DIVISIONAL MEANS - MARCH ,1969PHALGUNA 10,1890 - CHAITRA 10,1891 SAKA)

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1.ASSAM(INCLUDING.	95.3	120	29.9	16.9	71	58	3.1	3.1
NEFA,N.L.ETC) .	+ 15.9		+0.6	+0.8	+ 2	+ 1	0.0	-0.1
2.WEST BENGAL .	28.8	101	34.1	20.6	64	49	2.3	2.3
.	+ 0.3		+1.2	+1.2	+ 3	+ 5	+0.1	+0.1
3.ORISSA .	8.2	35	36.2	21.7	63	48	2.7	3.2
.	- 15.1		+2.2	+0.7	+ 1	+ 3	+0.7	+0.8
4.BIHAR .	10.2	63	34.9	17.7	51	31	1.5	1.5
.	- 6.0		+1.9	+0.2	+ 1	0	-0.2	-0.4
5.UTTAR PRADESH .	11.9	76	34.0	16.3	54	30	1.0	1.4
.	- 3.8		+2.6	+1.0	+ 1	- 1	-0.7	-0.5
6.HARYANA(INCLU. .	23.0	114	31.0	15.6	61	35	1.2	1.4
DELHI CHANDIGARH).	+ 2.8		+1.3	+1.4	+ 4	+ 4	-0.7	-0.8
7.PUNJAB .	29.4	94	30.7	14.4	70	42	2.1	2.2
.	- 1.8		+2.4	+1.6	+ 5	+ 3	-0.7	-1.1
8.HIMACHAL .	71.8	128	29.2	11.7	83	44	2.1	2.5
PRADESH .	+ 15.5		+3.1	+1.7	+ 5	+ 3	-1.4	-2.0
9.JAMMU AND .	57.7	108	18.8	9.1	63	50	2.9	3.9
KASHMIR .	+ 4.5		+3.4	+0.6	- 2	- 2	-1.5	-1.4
SUB-DIVISION								
SUB-DIVISION								
1.BAY ISLANDS .	42.0	100	31.9	22.9	75	75	3.5	3.6
.	+ 0.1		+0.8	-0.7	+ 1	- 1	-0.3	-0.5
2.NORTH ASSAM .	94.2	140	29.9	16.8	72	62	3.1	3.2
(INCLUDING NEFA) .	+ 26.7		+0.8	+0.9	+ 2	+ 2	-0.2	-0.3
3.SOUTH ASSAM .	98.0	90	29.9	17.1	66	50	3.1	2.7
(INCL.N.LAND ETC).	- 10.3		+0.1	+0.6	0	- 2	+0.4	-0.1
4.SUB-HIMALAYAN .	50.2	163	31.5	17.4	63	52	2.4	2.0
WEST BENGAL .	+ 19.4		+0.7	+1.0	+ 2	+ 7	+0.1	-0.3
5.GANGETIC WEST- .	21.7	78	35.1	21.8	64	49	2.3	2.3
BENGAL .	- 6.1		+1.4	+1.3	+ 4	+ 6	+0.1	+0.1
6.ORISSA .	8.2	35	36.2	21.7	63	48	2.7	3.2
.	- 15.1		+2.2	+0.7	+ 1	+ 3	+0.7	+0.8
7.BIHAR PLATEAU .	4.4	18	36.2	19.3	47	23	1.6	2.0
.	- 19.7		+2.6	+1.0	- 1	- 6	-0.1	-0.3
8.BIHAR PLAINS .	13.7	120	33.9	16.6	54	37	1.4	1.1
.	+ 2.3		+1.2	-0.3	+ 2	+ 5	-0.3	-0.5
9.UTTAR PRADESH .	5.3	46	35.1	17.2	51	28	1.1	1.4
(EAST) .	- 6.3		+2.4	+0.9	- 2	- 2	-0.5	-0.3
10.UTTAR PRADESH .	21.8	100	32.3	14.9	58	33	1.0	1.5
(WEST) .	0.0		+2.9	+0.9	+ 3	+ 2	-0.9	-0.8
11.HARYANA(INCLU. .	23.0	114	31.0	15.6	61	35	1.2	1.4
DELHI CHANDIGARH).	+ 2.8		+1.3	+1.4	+ 4	+ 4	-0.7	-0.8
12.PUNJAB .	29.4	94	30.7	14.4	70	42	2.1	2.2
.	- 1.8		+2.4	+1.6	+ 5	+ 3	-0.7	-1.1
13.HIMACHAL .	71.8	128	29.2	11.7	83	44	2.1	2.5
PRADESH .	+ 15.5		+3.1	+1.7	+ 5	+ 3	-1.4	-2.0
14.JAMMU AND KASH- .	57.7	108	18.8	9.1	63	50	2.9	3.9
-MIR .	+ 4.5		+3.4	+0.6	- 2	- 2	-1.5	-1.4
15.RAJASTHAN(WEST).	1.6	27	36.0	16.7	44	26	1.4	2.0
.	- 4.4		+3.7	+1.1	- 5	- 3	-0.3	-0.2
16.RAJASTHAN(EAST).	1.7	22	35.1	17.2	42	21	1.1	1.9
.	- 6.2		+2.9	+1.6	- 6	- 8	-0.6	-0.5
17.MADHYA PRADESH .	1.2	14	36.6	18.5	37	20	1.7	2.2
(WEST) .	- 7.4		+2.8	+1.8	- 1	0	+0.1	-0.1

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
10.RAJASTHAN .	1.7	24	35.5	17.0	43	23	1.3	1.9
.	- 5.3		+3.3	+1.4	- 6	- 6	-0.4	-0.4
11.MADHYA PRADESH .	1.4	11	36.7	19.0	37	21	1.7	2.4
.	- 11.8		+2.9	+2.1	- 5	- 1	+0.1	+0.1
12.GUJARAT STATE .	0.0	0	35.5	19.9	64	36	2.3	1.9
(INCLU.DIU ETC).	- 0.9		+1.5	+1.3	+ 5	+ 1	+0.9	+0.6
13.MAHARASHTRA .	0.9	13	36.7	21.5	47	30	1.9	2.6
STATE(INCL.GOA).	- 6.1		+1.6	+1.3	- 2	- 1	+0.5	+0.7
14.ANDHRA PRADESH .	2.3	24	36.6	22.9	67	44	2.3	2.3
.	- 7.1		+1.7	+0.6	+ 1	+ 2	+0.1	+0.3
28.TAMILNADU .	0.4	2	34.7	23.4	75	51	3.5	2.9
(INCL.PONDICH.).	- 15.9		+1.3	+0.4	+ 1	- 1	+0.4	+0.2
16.MYSORE .	10.9	131	35.1	21.7	63	36	2.6	3.6
.	+ 2.6		+1.1	+0.7	+ 2	0	+0.8	+1.0
17.KERALA .	13.4	29	34.4	24.6	75	58	3.8	4.1
.	- 33.5		+0.9	+0.3	0	- 2	+0.6	+0.3
SUB-DIVISION								
SUB-DIVISION(CONL.D)								
18.MADHYA PRADESH .	1.8	9	36.7	19.7	37	21	1.8	2.6
(EAST) .	- 17.5		+2.9	+2.5	-10	- 4	+0.2	+0.4
19.GUJARAT REGION .	0.0	0	37.6	20.5	53	23	1.8	1.8
(INCL.DAMAN ETC).	- 0.9		+1.7	+1.9	+ 3	+ 1	+0.6	+0.5
20.SAURASHTRAKUTCH.	0.0	0	33.7	19.4	73	48	2.8	1.9
(INCLUDING DIU) .	- 1.0		+1.2	+0.7	+ 6	+ 3	+1.2	+0.6
21.KONKAN .	0.1	20	31.2	22.7	77	68	2.4	1.8
(INCLUDING GOA).	- 0.4		0.0	+0.5	+ 5	+ 6	+0.7	+0.4
22.MADHYA- .	1.8	49	38.3	19.9	41	21	1.7	2.6
-MAHARASHTRA .	- 1.9		+1.8	+1.2	- 1	+ 1	+0.6	+0.7
23.MARATHWADA .	0.0	0	37.8	19.9	26	14	1.8	3.8
.	- 8.4		+1.7	+0.8	- 9	- 6	+0.7	+1.7
24.VIDARBHA .	0.9	6	38.9	22.6	37	20	1.8	2.7
.	- 15.1		+2.8	+2.2	- 6	- 3	+0.2	+0.5
25.COASTAL ANDHRA .	0.1	1	35.0	23.2	79	61	2.7	2.0
-PRADESH .	- 10.8		+1.4	+0.4	+ 4	+ 2	+0.1	0.0
26.TELANGANA .	5.8	56	38.2	22.6	60	25	2.2	2.4
.	- 4.6		+2.0	+0.8	- 1	- 2	0.0	+0.3
27.RAYALASEEMA .	2.0	45	37.9	22.8	53	34	1.7	2.9
.	- 2.4		+1.6	+1.0	+ 1	+ 8	+0.2	+0.8
15.TAMILNADU .	0.4	2	34.7	23.4	75	51	3.5	2.9
(INCL.PONDICH.).	- 15.9		+1.3	+0.4	+ 1	- 1	+0.4	+0.2
29.COASTAL MYSORE .	0.0	0	32.3	24.2	78	67	2.9	3.4
.	- 4.2		+0.4	+0.9	+ 1	0	+0.5	+0.9
30.INTERIOR MYSORE.	17.3	199	37.2	22.0	51	28	2.1	4.0
(NORTH) .	+ 8.6		+1.6	+1.1	+ 1	0	+0.7	+1.5
31.INTERIOR MYSORE.	10.7	105	34.5	20.1	67	25	2.9	3.3
(SOUTH) .	+ 0.5		+1.0	+0.4	+ 3	0	+0.9	+0.5
32.KERALA .	13.4	29	34.4	24.6	75	58	3.8	4.1
.	- 33.5		+0.9	+0.3	0	- 2	+0.6	+0.3
33.ARABIAN SEA- .	0.0	0	31.9	25.0	74	67	2.9	2.6
ISLANDS .	- 12.6		+0.3	-0.2	0	- 5	-0.4	-1.1

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

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - MARCH 1969 PHALGUNA 10, 1890 - CHAITRA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
BAY ISLANDS																												
MAYA BANDAR	31.4	+1.7	33.5	28	22.7	-0.4	20.0	05	7.4	7.4	+ 4.5	7.4	16	1	+ 0.6	7.7	5.9	-0.1	0	1	0	0	1	0	0	0	0	0
LONG ISLAND	31.0	-0.7	34.8	30	21.4	-1.5	18.5	06	3.0	3.0	- 4.2	3.0	17	1	+ 0.7	5.6	2.6	+0.7	0	1	0	0	1	0	0	0	0	0
PORT BLAIR	32.6	+1.5	34.6	30	22.6	+0.1	20.2	03	40.0	42.8	+ 9.3	40.0	16	1	- 0.8	7.2	5.1	-2.9	0	3	0	0	4	17	0	0	0	0
CAR NICOBAR	32.1	+0.8	33.2	08	22.6	-0.2	19.1	29	8.8	10.7	- 34.1	6.5	14	2	- 1.1	7.9	4.2	-0.3	0	2	0	0	0	0	0	0	0	0
NAN COWRY	33.4	+0.8	34.8	26	23.8	-0.8	20.0	04	53.0	170.6	+100.1	88.0	11	5	- 0.4	1.7	0.9	+0.4	0	5	0	0	4	0	0	0	0	0
KONDUL	30.5	+0.7	33.5	28	24.0	-1.4	21.4	06	0.0	17.3	- 75.1	16.0	13	1	- 4.0	4.7	3.6	-2.1	2	2	0	0	2	0	0	0	0	0
HUT BAY/LITTLE ANDAMAN	32.1	..	34.2	30	22.1	..	19.2	05	0.0	0.0	..	0.0	..	0	..	12.5	7.0	..	0	0	0	0	1	0	0	0	0	0
NORTH ASSAM (INCLUDING NEFA)																												
PASIGHAT	26.9	+0.9	32.4	15	17.9	+1.0	14.3	23	29.2	97.1	- 15.8	22.6	16	8	- 0.4	8.5	12.9	-2.5	0	10	0	0	6	0	0	0	0	0
DIBRUGARH (MOHANBARI)	27.4	+0.9	32.6	15	16.0	+0.5	12.1	23	16.6	148.0	+ 27.5	54.7	27	12	+ 3.4	7.1	4.7	+0.4	0	13	0	0	9	0	0	0	0	0
DIGBOI	27.6	+0.4	32.7	28	16.5	+1.4	12.8	05	44.1	129.5	+ 11.0	34.1	28	9	+ 0.3	4.6	3.5	..	0	14	0	0	0	0	0	0	0	0
NORTH LAKHIMPUR	27.6	+0.5	32.0	14	15.3	+0.3	11.8	03	18.0	105.2	- 6.4	19.0	16	8	+ 1.7	7.0	4.2	..	1	11	0	0	7	1	0	0	0	0
SIBSAGAR	..	..	..	..	16.0	-0.1	13.3	04	3.4	132.8	+ 34.8	43.0	16	7	- 0.8	..	..	..	0	11	0	0	0	0	0	0	0	0
GOHPUR	28.5	+0.4	32.2	05	15.5	+1.1	11.2	03	9.8	75.7	+ 49.3	35.2	20	6	+ 4.4	6.1	4.3	..	0	7	0	0	0	0	0	0	0	0
MAJBAT	30.4	..	35.0	15	16.7	..	12.4	02	0.0	97.2	+ 34.0	50.1	20	7	+ 3.1	7.2	4.8	-0.2	0	7	0	0	0	0	0	0	0	0
JORHAT AERODROME	29.2	..	33.0	14	16.9	..	13.3	03	10.9	91.1	..	31.0	20	9	..	..	..	..	0	12	0	1	11	2	0	0	0	0
TANGLA	31.0	+2.2	37.8	25	17.0	+1.1	12.5	03	19.6	103.6	+ 31.7	29.2	16	6	+ 2.1	5.9	4.5	+2.1	0	7	0	0	0	0	0	0	0	0
TEZPUR	30.3	+1.3	34.9	14	18.0	+0.9	14.8	21	14.6	106.1	+ 55.0	32.1	16	8	+ 3.2	7.6	6.4	+1.4	1	10	0	0	0	0	0	0	0	0
GOLAGHAT	29.5	+1.0	34.1	14	15.7	-0.9	11.9	04	34.6	94.6	+ 36.3	22.0	22	8	+ 3.0	2.7	2.7	..	0	13	0	0	0	0	0	0	0	0
RANGIA	29.1	-1.2	34.5	15	17.3	+1.7	13.0	03	16.6	135.2	+103.0	36.6	19	8	+ 6.2	..	..	..	0	9	0	0	8	0	0	0	0	0
CHAPARMUKH	31.8	+0.7	35.1	15	19.2	+3.2	14.1	03	21.2	73.8	+ 19.8	25.4	20	5	+ 0.4	6.2	4.0	..	0	5	0	0	0	0	0	0	0	0
GOALPARA	31.6	+0.3	36.1	16	17.2	+1.1	12.1	06	0.0	104.5	+ 66.0	35.0	27	8	+ 5.3	6.0	4.6	+0.8	0	9	0	0	0	0	0	0	0	0
GAUHATI (BHORJOR)	31.1	+1.1	36.0	16	16.4	+0.4	10.9	03	10.1	67.0	- 0.5	34.0	27	6	+ 1.1	8.0	5.4	..	1	9	0	0	12	0	0	0	0	0
DHUBRI (RUPSI)	32.2	+1.1	36.3	15	16.4	+0.7	9.5	02	3.2	48.5	+ 15.9	20.8	20	6	+ 3.7	9.9	7.5	+2.6	0	6	0	0	9	1	0	0	1	0
DHURRI	31.6	+1.5	36.2	15	18.2	+0.1	14.1	05	6.2	53.2	+ 14.9	21.6	17	5	+ 2.4	9.3	8.3	+1.3	1	6	0	0	6	0	0	0	0	0
LUMDING	32.5	+1.6	36.6	30	15.7	+1.0	10.2	04	10.7	29.7	- 22.9	9.2	21	4	- 0.6	5.1	4.7	..	0	6	0	0	0	0	0	0	0	0
BONDILLA	5.1	..	6.1	16	0.8	..	0.4	07	0.0	1.2	..	1.2	22	0	..	9.9	11.7	..	0	1	0	0	0	17	0	0	0	0
TAWANG	12.0	..	15.0	13	6.7	..	3.9	03	8.6	30.1	..	8.2	09	4	..	..	..	..	0	7	0	0	0	0	0	0	0	0
TEZU	26.9	..	32.3	27	14.8	..	10.1	03	46.8	96.0	..	24.0	20	8	..	2.8	2.1	..	1	12	0	0	1	0	0	0	0	0
ALONG	25.2	..	32.1	31	15.7	..	12.6	04	58.1	141.6	..	22.5	15	11	..	..	..	..	1	13	0	0	1	2	0	0	0	0
ZIRO	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
KHONSA	24.2	..	26.5	16	14.9	..	12.5	25	93.0	169.8	..	36.0	29	12	..	..	..	..	0	12	0	0	0	0	0	0	0	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																												
TURA	30.5	+0.6	33.9	13	19.7	+1.0	15.1	20	1.2	82.4	+ 16.8	43.0	27	3	- 0.4	8.8	7.6	-0.2	0	6	0	0	0	0	0	0	0	0
HAFLONG	24.8	-1.7	27.3	14	17.7	+1.5	14.5	10	13.8	89.7	+ 10.6	14.2	19	9	+ 2.6	..	..	..	0	11	0	0	3	0	0	0	0	0
SILCHAR (KUMBHIRGRAM)	31.2	+0.6	33.8	31	17.9	+0.8	14.3	05	17.7	92.6	-109.9	29.0	10	7	0.0	7.8	8.5	-0.6	0	11	0	1	10	0	0	0	2	0
SILCHAR	29.4	-1.0	32.0	16	17.9	+0.4	13.5	05	37.8	128.2	- 18.9	37.6	21	7	- 0.3	..	..	..	0	8	0	0	10	0	0	0	0	0
IMPHAL (TULIHAL)	28.0	+1.2	32.3	17	9.8	-0.6	3.6	05	11.5	48.7	- 2.5	11.5	21	7	+ 3.1	12.6	8.0	+0.4	0	9	0	0	10	0	0	0	1	0
KAILASHAHAR	31.9	+0.2	34.9	15	17.5	+0.5	10.8	05	39.0	127.0	- 14.9	37.3	21	8	+ 2.0	7.4	5.5	+1.2	0	10	0	0	12	0	0	0	0	0
AGARTALA	33.4	+0.7	36.4	14	19.2	+0.5	12.0	05	25.3	117.7	+ 46.8	52.2	24	5	+ 1.0	10.2	7.7	+0.4	1	7	0	1	8	4	0	0	2	1
TUENSANG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MOKOKCHUNG	23.9	..	26.2	15	15.3	..	10.5	21	0.2	42.2	..	27.8	20	2	..	2.0	2.5	..	0	7	0	0	1	0	0	0	0	0
SUB-HIMALAYAN WEST BENGAL																												
BAGHDOGRA	31.2	+0.9	35.5	15	15.6	+0.3	10.0	02	1.0	49.2	+ 16.4	18.1	20	3	+ 0.5	12.1	9.6	+2.7	0	6	0	0	10	1	3	0	0	0
JALPAIGURI	30.1	+0.5	35.0	15	18.3	+1.9	13.3	02	13.6	41.8	+ 8.5	13.6	18	4	+ 1.7	7.5	6.9	+0.8	0	5	0	0	5	0	0	0	0	0
COOCH BEHAR AERODROME	30.4	-0.1	34.7	15	16.6	0.0	11.7	02	10.2	103.2	+ 64.3	35.6	19	6	+ 3.6	8.2	5.5	+1.1	0	7	0	4	8	0	0	0	1	0
BALURGHAT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MALDA	34.4	+1.8	38.5	16	19.0	+1.6	13.4	04	0.0	6.4	- 11.6	6.4	20	1	- 0.4	4.3	2.9	-3.2	0	1	0	0	5	0	0	0	0	0
GANGETIC WEST BENGAL																												
BERHAMPORE	35.0	+0.9	38.8	16	19.6	+1.2	14.2	04	0.0	19.5	- 4.6	19.5	19	1	- 0.9	5.0	3.5	+0.4	0	1	0	0	0	2	1	0	0	0
SURI	35.7	+1.7	38.9	17	20.5	+0.8	15.6	04	..	17.3	- 2.7	8.0	19	3	+ 1.1	.	6.3	-2.2	0	3	0	0	3	0	0	0	0	0
ASANSOL	36.8	+2.6	40.2	29	19.1	-0.5	12.8	04	4.9	15.1	- 7.2	9.4	19	2	+ 0.1	8.5	5.3	-1.9	0	5	0	1	6	0	0	0	0	0
SHANTI NIKETAN	35.8	..	38.9	16	20.5	..	15.3	04	11.6	28.9	..	13.5	19	3	..	7.1	6.6	..	1	4	0	1	7	0	0	0	0	0
KRISHNANAGAR	35.7	+0.7	38.6	29	20.0	+1.2	14.5	04	1.2	34.6	- 5.3	21.0	18	3	+ 0.8	10.9	6.5	+1.1	1	5	0	0	5	0	0	0	0	0
PURULIA	36.0	+1.9	39.1	27	20.8	+0.8	17.2	04	6.4	20.8	+ 1.6	8.8	19	3	+ 1.0	6.6	4.6	0.0	0	4	0	0	3	0	1	0	0	0
BANKURA	36.9	..	40.4	29	21.5	..	17.6	04	38.0	62.0	+ 34.8	47.2	20	2	+ 0.1	2.1	2.3	..	0	3	0	0	0	0	0	0	0	0
BURDWAN	36.0	+1.9	38.2	15	21.9	+1.8	17.2	04	24.0	29.0	- 10.1	24.0	26	2	- 0.2	..	..	..	0	2	0	0	0	0	0	0	0	0
CALCUTTA (DUM DUM)	34.7	+0.9	38.0	29	22.3	+1.9	17.8	05	2.2	16.8	- 12.3	7.6	01	2	- 0.5	10.8	9.1	+0.7	0	5	0	0	7	5	0	0	0	0
CALCUTTA	35.3	+1.0	38.9	29	23.3	+1.8	18.7	18	3.2	39.3	+ 5.3	23.5	25	2	- 0.2	8.1	6.7	+1.5	1	3	0	1	7	0	0	0	2	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - MARCH 1969 PHALGUNA 10, 1890 - CHAITRA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD)																												
SRINAGAR AERODROME	15.2	..	20.5	16	4.4	..	0.0	20	35.3	118.7	..	28.5	19	6	..	..	..	..	0	6	1	0	2	0	0	0	0	0
GULMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GAZIGUND	15.1	..	21.2	15	4.5	..	0.5	23	30.0	162.5	..	60.0	19	6	..	..	..	..	0	6	0	0	7	0	0	0	0	0
PANTHAL	18.9	..	26.8	14	8.3	..	2.7	23	44.8	175.3	..	73.2	19	6	..	..	..	..	0	8	0	0	4	0	0	0	0	0
JAMMU	29.4	+3.0	34.3	15	15.4	+0.6	8.3	01	28.3	55.6	- 0.8	16.8	19	6	+ 2.3	6.3	7.6	..	0	9	0	0	4	0	3	0	0	0
JAMMU AERODROME	29.1	..	32.9	15	14.7	..	8.3	01	7.7	26.7	..	11.2	19	3	..	..	..	..	0	5	0	0	4	0	3	0	0	0
GULMARG (RESEARCH INSTITUTE)	8.2	..	14.0	12	1.3	..	- 7.6	01	45.1	126.2	..	35.7	19	7	..	..	..	..	0	8	4	0	2	4	0	0	0	0
RAJASTHAN, WEST																												
GANGANAGAR	33.5	+3.9	39.2	15	16.1	+5.0	9.4	01	0.0	9.9	- 11.4	6.9	19	2	+ 0.4	4.5	3.7	-2.7	0	2	0	0	3	0	0	0	0	0
ANUPGARH	34.6	..	40.3	15	15.5	..	9.3	01	0.0	6.3	..	6.3	19	1	..	9.3	2.7	..	0	1	0	0	0	0	0	0	0	0
MAHAJAN	34.9	+3.4	39.3	17	14.4	+0.2	7.9	02	0.0	2.4	- 7.1	2.4	19	0	- 1.3	10.0	6.8	-1.0	0	1	0	0	3	0	0	0	0	0
CHURU	35.6	+3.8	39.5	17	16.4	+2.0	10.2	01	0.0	1.0	- 5.3	1.0	26	0	- 0.7	8.8	7.2	+0.7	0	1	0	0	3	0	0	0	0	0
BIKANER	36.1	+4.0	40.2	14	16.7	+0.9	11.6	03	0.0	0.0	- 1.8	0.0	..	0	- 0.2	8.1	5.7	-2.8	0	0	0	0	0	0	0	0	0	0
NAGAUR	36.4	+4.3	40.3	16	17.0	+1.1	12.0	01	0.0	0.0	- 3.6	0.0	..	0	- 0.3	11.1	9.4	-3.5	0	0	0	0	0	0	3	0	0	0
PHALODI	36.1	+3.5	39.9	16	15.7	-1.2	9.9	03	0.0	0.0	- 2.5	0.0	..	0	- 0.4	..	..	..	0	0	0	0	0	0	0	0	0	0
JAISALMER	37.2	+3.9	40.5	16	19.0	+1.9	12.8	03	0.0	1.4	- 1.4	1.4	20	0	- 0.2	..	..	..	0	1	0	0	2	0	0	0	1	0
JODHPUR	37.7	+3.8	40.8	16	..	..	..	..	0.0	0.0	- 4.1	0.0	..	0	- 0.5	7.5	6.8	-2.3	0	0	0	0	0	0	0	0	0	0
BARMER	36.4	+2.7	39.4	14	18.0	-1.3	11.3	02	0.0	0.0	- 2.4	0.0	..	0	- 0.1	4.9	3.8	-3.3	0	0	0	0	0	0	0	0	0	0
PRITHPURA (JAWAI DAM)	37.0	..	40.3	15	..	..	..	..	..	0.0	..	0.0	..	0	..	.	7.4	..	0	0	0	0	0	0	6	0	0	0
RAJASTHAN, EAST																												
PILANI	34.1	+2.6	38.5	17	14.6	+1.0	9.2	01	1.4	2.7	- 5.6	1.4	20	0	- 1.2	11.0	8.2	-2.0	0	2	0	0	1	0	0	0	0	0
SIKAR	33.9	+2.4	38.5	17	14.4	-0.1	5.0	03	9.1	10.6	+ 5.1	10.6	20	1	+ 0.4	1.2	0.9	-7.0	0	1	0	0	0	0	0	0	0	0
ALWAR	34.6	+2.8	39.4	18	18.0	+1.9	12.7	03	0.0	0.0	- 16.2	0.0	..	0	- 0.8	7.5	4.8	+0.5	0	0	0	0	0	0	1	0	0	0
JAIPUR (SANGANER)	34.4	+3.5	38.0	17	17.7	+2.2	11.2	02	3.5	3.5	- 3.6	3.5	20	1	+ 0.2	..	..	..	0	1	0	0	2	0	0	0	0	0
DHOLPUR	36.5	+4.2	40.5	17	14.4	-1.4	10.2	03	0.0	0.0	- 20.6	0.0	..	0	- 1.5	8.1	4.7	-1.1	0	0	0	0	1	0	0	0	0	0
AJMER	34.9	+4.2	38.6	17	19.0	+3.3	14.2	02	0.0	0.0	- 6.1	0.0	..	0	- 0.7	7.4	5.8	-0.5	0	0	0	0	0	0	0	0	0	0
TONK	36.4	+3.8	40.5	17	16.9	+1.6	10.8	02	0.0	0.0	- 1.9	0.0	..	0	- 0.3	7.8	5.5	-1.8	0	0	0	0	0	0	0	0	0	0
BHILWARA	35.2	..	38.5	25	17.4	..	11.8	09	0.0	0.0	..	0.0	..	0	..	7.7	5.6	..	0	0	0	0	0	0	1	0	0	0
KOTA	36.1	+2.0	39.4	16	20.3	+1.8	15.4	02	0.0	0.0	- 4.1	0.0	..	0	- 0.5	3.3	2.5	-1.4	0	0	0	0	0	0	0	0	0	0
KOTA AERODROME	35.7	..	39.6	26	20.5	..	15.0	02	0.0	0.0	..	0.0	..	0	..	10.4	8.0	..	0	0	0	0	0	0	0	0	0	0
CHAMBAL (RAWAT BHATTA DAM)	35.9	+2.0	39.1	15	19.5	+3.7	16.1	02	0.0	0.0	- 6.0	0.0	..	0	- 0.2	7.6	5.0	-1.3	0	0	0	0	0	0	0	0	0	0
UDAIPUR	34.4	+2.1	37.4	17	17.1	+2.0	13.0	03	0.0	0.0	- 2.8	0.0	..	0	- 0.4	4.3	2.4	-1.2	0	0	0	0	0	0	0	0	0	0
JHALAWAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BANSWARA	37.2	..	40.0	14	21.8	..	17.3	01	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
DUNGARPUR	36.4	..	39.1	25	18.2	..	14.3	02	0.0	0.0	..	0.0	..	0	..	5.8	3.8	..	0	0	0	0	0	0	0	0	0	0
MADHYA PRADESH, WEST																												
GWALIOR	35.6	+2.7	39.5	18	16.6	+0.6	9.5	02	0.0	0.0	- 5.0	0.0	..	0	- 1.0	10.6	5.9	+0.5	0	0	0	0	0	0	1	0	0	0
SHEOPUR	36.1	+1.9	39.4	16	17.7	+1.7	11.7	03	0.0	0.0	- 8.8	0.0	..	0	- 1.1	9.1	6.5	+0.1	0	0	0	0	0	0	0	0	0	0
SHIVPURI	34.5	..	38.0	26	14.8	..	9.4	03	0.0	1.2	..	1.2	20	0	..	7.6	4.9	..	0	1	0	0	0	0	0	0	0	0
GUNA	36.2	+2.8	39.6	18	16.3	+1.5	10.4	02	0.0	2.2	- 6.2	2.2	20	0	- 0.9	7.5	4.2	0.0	0	1	0	0	0	0	0	0	0	0
NIMACH	36.5	+3.4	39.5	15	17.3	+2.4	12.2	02	0.0	0.0	- 14.0	0.0	..	0	- 1.0	11.5	7.4	+1.5	0	0	0	0	0	0	0	0	0	0
RAJGARH	35.3	+2.6	38.1	15	19.5	+2.7	16.3	03	0.0	1.2	- 2.4	1.2	27	0	- 0.3	7.8	6.3	-1.4	0	1	0	0	0	0	0	0	0	0
SAGAR	36.9	+2.4	40.1	15	19.0	+2.8	13.9	02	0.0	0.0	- 12.7	0.0	..	0	- 0.9	9.1	6.0	-2.1	0	0	0	0	0	0	0	0	0	0
RATLAM	37.5	+4.8	39.3	18	..	..	..	..	0.0	2.0	- 6.9	2.0	01	0	- 0.9	12.0	12.3	+4.0	0	1	0	0	0	0	0	0	0	0
BHOPAL (PATRAGARH)	36.8	+2.7	39.6	15	19.5	+1.4	14.6	02	0.0	0.0	- 2.2	0.0	..	0	- 0.2	10.3	9.0	+1.5	0	0	0	0	0	0	0	0	0	0
UJJAIN	36.3	+2.7	38.9	15	18.4	+1.3	14.0	02	0.0	0.0	- 8.9	0.0	..	0	- 0.9	11.6	9.5	+2.3	0	0	0	0	0	0	0	0	0	0
NARSINGHPUR	35.8	..	38.3	15	16.2	..	10.7	01	0.0	0.0	..	0.0	..	0	..	11.1	7.3	..	0	0	0	0	0	0	0	0	0	0
HOSHANGABAD	37.7	..	40.2	16	16.7	..	12.6	10	0.0	0.0	..	0.0	..	0	..	7.2	3.4	..	0	0	0	0	0	0	0	0	0	0
INDORE	38.0	+3.1	40.5	17	20.4	+1.8	16.2	02	0.0	0.0	- 6.3	0.0	..	0	- 0.6	5.8	5.1	+0.5	0	0	0	0	0	0	0	0	0	0
RAJPUR (BARWANI)	35.9	+2.2	38.5	14	18.1	+2.8	14.0	01	0.0	0.0	- 2.8	0.0	..	0	- 0.4	13.8	12.3	-0.7	0	0	0	0	0	0	0	0	0	0
CHHINDWARA	37.0	+1.9	39.6	31	19.6	+2.2	15.1	10	0.0	0.0	- 0.7	0.0	..	0	- 0.4	4.9	2.8	-3.3	0	0	0	0	0	0	0	0	0	0
SEONI	35.7	+2.8	37.6	27	16.7	-0.3	11.2	11	0.8	6.9	- 5.4	5.8	03	1	- 0.7	..	..	..	0	3	0	0	1	0	0	0	0	0
BETUL	36.4	+3.0	38.6	24	19.8	+2.4	17.2	04	5.6	6.2	- 16.1	3.2	04	2	- 0.1	8.9	5.3	-0.8	1	2	0	0	5	0	0	0	0	0
KHANDWA	36.1	+2.5	37.8	16	17.9	+1.4	14.3	02	0.0	0.0	- 15.7	0.0	..	0	- 1.6	7.5	4.5	-1.1	0	0	0	0	0	0	0	0	0	0
TIKAMGARH	39.9	+3.5	41.2	18	20.5	+2.4	15.9	11	0.0	0.0	- 4.8	0.0	..	0	- 0.6	12.7	7.9	+0.5	0	0	0	0	0	0	0	0	0	0
MADHYA PRADESH, EAST																												
SATNA	36.5	+3.4	40.0	27	18.3	+2.3	13.5	03	0.0	1.3	- 10.6	1.3	20	0	- 1.2	8.5	4.8	-0.7	0	1	0	0	1	0	0	0	0	0
REWA	36.0	..	39.8	27	17.6	..	12.0	03	0.0	4.9	..	4.9	20	1	..	6.7	3.1	..	0	1	0	1	1	0	1	0	0	0
SIDHI	36.2	+3.0	39.9	27	17.2	+2.1	12.4	03	0.0	0.0	- 15.0	0.0	..	0	- 0.8	..	..	..	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - MARCH 1969 (PHALGUNA 10, 1890 - CHAITRA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST (CONTD.)																												
UMARIA	36.0	+3.1	38.8	27	17.4	+2.1	13.2	03	0.0	0.0	- 19.1	0.0	..	0	- 2.1	8.8	4.6	+0.3	0	0	0	0	1	0	0	0	0	0
JABALPUR	37.0	+3.0	39.6	26	18.7	+3.2	15.9	02	1.5	1.5	- 14.0	1.5	17	0	- 1.5	7.3[j]	4.6[k]	0.0	0	1	0	0	2	0	0	0	0	0
AMRITKAPUR	34.4	+2.6	38.2	27	17.7	+2.7	13.2	03	0.0	0.8	- 19.7	0.8	01	0	- 2.3	10.9	6.9	-1.0	0	1	0	0	2	0	0	0	0	0
JASHPURNAGAR	33.3	..	36.0	28	17.1	..	13.7	03	0.0	1.6	..	1.0	01	0	..	9.4	5.0	..	0	2	0	0	0	0	0	0	0	0
PENDRA	34.6	+3.1	38.2	27	20.9	+3.3	17.7	02	0.1	0.6	- 25.8	0.5	01	0	- 2.3	8.2	5.6	-1.4	1	1	0	0	2	0	0	0	0	0
MANDLA	36.3	+2.6	38.7	28	15.8	+1.7	12.6	11	4.6	5.2	- 22.4	3.8	17	1	- 1.1	7.3	3.7	+0.7	0	3	0	1	3	0	0	0	0	0
CHAMPA	38.0	+2.7	40.8	27	21.6	+1.6	19.0	12	0.0	3.4	- 19.3	2.8	17	1	- 0.7	6.9	5.4	0.0	0	2	0	0	3	0	1	0	0	0
RAIGARH	39.1	+3.4	41.6	27	22.8	+2.6	19.6	13	0.0	0.0	- 21.0	0.0	..	0	- 2.1	6.8	4.6	-0.2	0	0	0	0	0	0	0	0	0	0
RAIPUR	38.2	+3.5	40.9	27	22.9	+2.3	20.1	11	0.0	0.0	- 18.0	0.0	..	0	- 1.6	8.2	6.3	-0.6	0	0	0	0	1	0	0	0	0	0
KANKER	37.2	+2.8	39.5	28	22.6	+3.8	18.6	11	1.0	1.0	- 19.3	1.0	23	0	- 1.9	6.6	5.4	-0.1	0	1	0	0	4	0	0	0	0	0
JAGDALPUR	36.7	+2.0	38.6	30	20.7	+2.3	18.5	16	0.4	7.2	- 6.8	3.8	16	1	- 0.2	..	..	..	0	5	0	0	9	0	0	0	3	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																												
DESA	37.4	+1.9	39.9	13	19.2	+1.9	15.6	09	0.0	0.0	- 1.5	0.0	..	0	- 0.1	8.6	13.0	..	0	0	0	0	0	0	0	0	0	0
RADHANPUR	36.9	+1.6	40.5	12	18.7	+1.8	16.1	09	0.0	0.0	0.0	0.0	..	0	0.0	7.4[a]	5.4[a]	-0.9	0	0	0	0	0	0	0	0	0	0
IDAR	37.1	+2.4	39.7	13	23.1	+3.1	15.8	19	0.0	0.0	0.0	0.0	..	0	- 0.1	8.9	7.2	-0.6	0	0	0	0	0	0	0	0	0	0
AHMADABAD	38.1	+2.4	41.0	31	20.7	+2.1	16.7	02	0.0	0.0	- 1.3	0.0	..	0	- 0.2	9.3	6.5	-0.8	0	0	0	0	0	0	0	0	0	0
DOHAD	37.2	+2.3	40.0	31	20.8	+1.5	15.5	01	0.0	0.0	- 1.6	0.0	..	0	- 0.1	13.1	12.8	-0.5	0	0	0	0	0	0	0	0	0	0
VALLABH VIDYANAGAR	37.8	..	41.6	12	19.3	..	16.1	11	0.0	0.0	..	0.0	..	0	..	6.7	5.5	..	0	0	0	0	0	1	0	0	0	0
BARODA AERODROME	38.0	+1.5	42.1	31	20.2	+1.7	14.7	01	0.0	0.0	- 0.4	0.0	..	0	- 0.1	11.5	9.8	+3.1	0	0	0	0	0	0	0	0	0	0
BARODA	39.2	+2.6	43.6	31	20.8	+4.2	16.0	01	0.0	0.0	- 0.9	0.0	..	0	- 0.1	6.0	4.7	+0.7	0	0	0	0	0	0	0	0	0	0
BROACH	38.3	+0.7	42.3	31	20.2	+0.4	16.2	01	0.0	0.0	- 1.6	0.0	..	0	- 0.1	10.7	10.5	+3.8	0	0	0	0	0	0	0	0	0	0
SURAT	36.6	+0.5	42.8	31	20.8	+0.7	17.1	01	0.0	0.0	- 0.5	0.0	..	0	- 0.1	8.5	6.7	+0.1	0	0	0	0	0	0	0	0	0	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																												
RAJIYA	32.9	+0.3	38.4	30	17.1	+1.2	13.1	03	0.0	0.0	0.0	0.0	..	0	0.0	16.1	11.8	+2.3	0	0	0	0	0	7	0	0	0	0
RAJKOT (RAJKUMARI)	36.6	+2.6	40.2	31	19.6	+1.3	15.6	03	0.0	0.0	- 2.0	0.0	..	0	- 0.2	12.3	10.0	+1.5	0	0	0	0	0	0	0	0	0	0
KANDLA AERODROME	36.8	..	40.0	31	20.4	..	16.5	10	0.0	0.0	..	0.0	..	0	..	18.0	18.5	..	0	0	0	0	0	0	0	0	0	0
NAVLAKHALI	33.7	+1.7	39.4	31	21.3	+1.1	18.9	03	0.0	0.0	0.0	0.0	..	0	0.0	13.1	12.9	-2.7	0	0	0	0	0	0	0	0	0	0
MANDVI	30.3	+0.5	35.1	06	18.5	-0.1	15.0	03	0.0	0.0	- 0.7	0.0	..	0	- 0.2	22.7	20.7	+0.4	0	0	0	0	0	0	0	0	0	0
SURENDRANAGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
OKHA	27.5	..	33.2	30	21.9	..	19.7	30	0.0	0.0	..	0.0	..	0	..	19.0	19.7	..	0	0	0	0	0	1	0	0	0	0
JAMNAGAR AERODROME	33.9	+1.0	39.4	31	18.2	+0.6	13.5	02	0.0	0.0	- 1.5	0.0	..	0	- 0.1	..	..	..	0	0	0	0	0	6	0	0	0	0
DWARKA	28.5	+0.3	38.2	30	22.6	+1.1	20.1	01	0.0	0.0	- 2.3	0.0	..	0	- 0.2	15.9	15.2	-0.9	0	0	0	0	0	0	0	0	0	0
RAJKOT	37.0	+1.7	41.4	31	18.8	+1.6	14.6	02	0.0	0.0	- 1.3	0.0	..	0	- 0.2	18.6	16.9	+1.3	0	0	0	0	0	2	0	0	0	0
BHAVNAGAR AERODROME	36.3	+1.6	40.3	31	20.7	+1.1	16.3	02	0.0	0.0	- 1.2	0.0	..	0	- 0.1	19.5	17.0	+7.2	0	0	0	0	0	0	0	0	1	0
PORBANDER AERODROME	33.0	+1.5	38.2	30	19.9	-0.6	17.2	14	0.0	0.0	0.0	0.0	..	0	0.0	18.7	13.3	..	0	0	0	0	0	5	0	0	0	0
KESHOD	37.2	+1.6	41.6	31	18.4	+0.9	14.6	16	0.0	0.0	0.0	0.0	..	0	0.0	19.5	15.3	-0.1	0	0	0	0	0	4	0	0	0	0
MAHUVA	33.9	..	39.3	31	14.6	..	11.3	11	0.0	0.0	- 1.4	0.0	..	0	- 0.1	10.8	8.2	..	0	0	0	0	0	0	0	0	0	0
VERAVAL	31.4	+0.3	37.5	04	18.8	+0.4	15.4	03	0.0	0.0	- 1.3	0.0	..	0	- 0.1	21.3	16.7	+1.8	0	0	0	0	0	5	0	0	0	0
DIU	30.8	..	36.0	11	20.4	..	17.4	03	0.0	0.0	..	0.0	..	0	..	15.6	13.1	..	0	0	0	0	0	0	0	0	0	0
KONKAN (INCLUDING GOA)																												
DAHANU	..	..	..	..	21.0	0.0	18.8	12	0.0	0.0	- 0.1	0.0	..	0	0.0	17.4[b]	11.1[b]	-2.9	0	0	0	0	0	0	0	0	0	0
BOMBAY (SANTACRUZ)	32.4	-0.4	36.6	09	21.4	+1.2	18.9	03	0.0	0.0	- 0.1	0.0	..	0	0.0	15.3	9.4	-1.0	0	0	0	0	0	2	0	0	0	0
BOMBAY	30.5	-0.5	33.2	26	23.0	+0.3	21.1	07	0.0	0.0	- 1.5	0.0	..	0	- 0.1	11.7	9.3	-1.1	0	0	0	0	0	0	0	0	0	0
ALIBAG	30.1	0.0	37.8	09	21.6	+0.4	18.7	04	..	0.0	- 0.3	0.0	..	0	0.0	..	9.9	+1.2	0	0	0	0	0	0	0	0	0	0
BHIRA	39.1	..	+1.8	26	17.4	..	12.8	18	0.0	0.0	..	0.0	..	0	..	4.4	2.5	..	0	0	0	0	0	0	0	0	0	0
MARMAI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
RATNAGIRI	31.4	0.0	34.0	09	23.0	+0.4	19.2	18	0.0	0.0	- 0.3	0.0	..	0	0.0	12.3	9.2	..	0	0	0	0	0	0	0	0	0	0
DEVGARH	31.4	+0.4	32.8	26	24.1	+0.2	21.6	02	0.0	0.0	- 1.1	0.0	..	0	- 0.1	17.1	13.4	-1.4	0	0	0	0	0	0	0	0	0	0
VENGURLA	31.7	-0.3	36.1	19	22.4	+0.5	17.9	18	0.0	0.6	+ 0.6	0.6	28	0	0.0	12.4	7.0	..	0	1	0	0	0	0	0	0	0	0
PANJIM	31.9	..	33.5	09	24.2	..	21.5	02	0.0	0.5	..	0.4	25	0	..	16.7	12.0	..	1	1	0	0	1	0	0	0	0	0
MORMUGAO	30.7	+0.7	31.6	19	25.2	+1.3	22.9	02	0.0	0.0	- 0.3	0.0	..	0	0.0	9.6	12.0	-0.5	0	0	0	0	0	0	0	0	0	0
DABOLIM (NAVAL AIR STN.)	..	..	..	..	..	..	..	..	0.0	0.0	..	0.0	..	0	..	11.0	8.8	..	0	0	0	0	0	0	0	0	0	0
MADHYA MAHARASHTRA																												
DHANDURBAR	38.9	+1.5	42.4	31	22.7	+0.7	18.6	02	0.0	0.0	- 1.2	0.0	..	0	- 0.2	5.0	4.8	-2.3	0	0	0	0	0	0	0	0	0	0
JALGAON	40.1	+2.5	42.2	31	21.4	+2.7	15.6	02	0.0	0.0	- 3.6	0.0	..	0	- 0.4	14.6	12.6	+3.0	0	0	0	0	0	0	0	0	0	0
MALEGAON	38.2	+1.7	41.6	31	17.7	+0.7	14.4	13	0.0	0.0	- 2.0	0.0	..	0	- 0.3	8.8	7.8	+0.7	0	0	0	0	0	0	0	0	0	0
OZAR	36.5	..	39.23	31	17.1	..	13.0	20	0.0	0.0	..	0.0	..	0	..	13.8	10.0	..	0	0	0	0	0	0	0	0	0	0
AHMADNAGAR	38.5	+2.9	40.0	14	19.2	+1.2	12.3	18	0.0	0.0	- 4.1	0.0	..	0	- 0.3	9.4	6.6	-0.6	0	0	0	0	0	0	0	0	0	0
KHANDALA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
POONA AERODROME	37.3	..	39.3	25	18.5	..	13.5	18	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	1	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — MARCH 1969 PHALGUNA 10, 1890 - CHAITRA 10, 1891 SAKA

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Calc	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
HILL STATIONS (EXCLUDING KASHMIR)																												
DALHOUSIE	20.6	+2.9	25.2	18	9.5	+1.5	3.2	20	63.6	135.7	+ 13.5	61.4	26	5	- 1.2	..	..	..	0	5	0	0	0	0	0	0	0	0
DHARMASALA	24.5	+3.4	28.9	18	12.6	-0.1	6.8	20	41.4	109.0	- 9.3	60.6	26	4	- 2.5	8.5	5.2	-0.8	0	5	0	0	1	0	0	0	0	0
BHUNTAR	25.5	..	30.1	16	7.3	..	4.3	01	3.3	4.2	..	49.6	26	3	..	6.0	5.0	..	0	6	0	1	4	0	0	0	0	0
SIMLA	18.5	+4.1	22.1	15	8.9	+2.1	1.6	20	0.2	63.3	- 0.7	29.6	19	2	- 3.2	4.3	3.7	-1.0	0	4	0	0	3	0	0	0	0	0
DHARMPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GHANGARIA (KANJALIA TOK)	10.7	+7.8	15.8	16	0.3	-7.4	- 2.5	20	..	52.2	-127.1	20.4	20	4	- 8.5	..	..	..	0	5	5	3	1	0	0	0	0	0
BADRINATH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JOSHIMATH	21.5	+3.5	28.0	13	2.2	-4.4	- 3.5	29	9.0	88.0	- 32.1	32.0	19	5	- 2.3	7.2	9.2	+0.6	0	5	0	0	0	0	0	0	0	0
MUSSOORIE	19.0	+2.8	21.6	13	10.1	+2.9	5.2	19	7.4	37.6	- 20.2	17.0	26	3	- 1.2	4.0	2.1	-5.8	0	3	0	2	0	0	0	0	0	0
MUKTESWAR (KUMAUN)	20.1	+4.3	23.8	15	8.6	+2.2	3.3	19	19.0	44.4	- 4.1	20.0	19	3	- 1.1	12.8	11.8	-1.1	0	3	0	2	5	0	0	0	0	0
NAINITAL	18.2	+1.5	22.0	13	8.8	+0.9	5.3	21	17.0	50.0	- 3.7	27.0	19	3	- 1.1	0.9	17.2	+9.3	0	3	0	0	0	0	0	0	0	0
KALIMPONG	24.0	+3.4	25.8	22	14.9	+2.7	11.0	21	5.0	23.5	- 5.7	7.5	23	4	+ 0.8	11.6	8.5	-1.0	0	7	0	0	0	0	0	0	0	0
DARJEELING	14.7	-0.1	21.6	14	5.2	-2.5	0.8	20	24.8	43.0	- 10.9	11.0	24	6	+ 1.7	3.0	2.6	-0.5	0	7	0	0	3	0	0	0	0	0
KOHIMA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SHILLONG (C.S.O.)	22.3	-0.3	26.2	16	12.0	+2.1	7.6	22	28.1	102.9	+ 46.5	17.5	17	8	+ 3.7	7.6	7.5	+1.3	0	10	0	1	6	3	0	0	0	0
CHERRAPUNJI	20.6	+0.1	24.0	13	17.2	+4.3	12.0	31	0.0	132.0	- 58.5	38.0	17	8	+ 0.7	..	..	..	0	9	0	0	0	0	0	0	0	0
ABU	28.7	+3.4	32.3	13	15.9	0.0	12.0	03	0.0	0.0	- 3.9	0.0	..	0	- 0.5	4.2	3.5	-3.8	0	0	0	0	0	0	0	0	0	0
AIJAL	27.8	+2.8	31.4	08	15.4	-0.5	9.6	10	..	87.5	+ 16.5	56.4	21	4	- 0.5	..	..	..	1	4	0	1	0	0	0	0	0	0
PACHMARHI	31.1	+2.2	33.4	16	17.4	+2.6	13.2	11	0.0	0.0	- 14.7	0.0	..	0	- 1.3	6.1	4.3	-0.2	0	0	0	0	0	0	0	0	0	0
MAHABALESHWAR	31.5	+2.7	33.6	25	16.6	-0.8	13.2	02	0.0	0.0	- 4.6	0.0	..	0	- 0.4	9.8	10.7	+1.0	0	0	0	0	0	0	0	0	0	0
MERCARA	30.1	+1.6	32.0	11	13.6	-3.0	11.0	10	11.6	11.6	- 7.2	11.6	28	1	- 0.4	10.2	8.7	+0.7	0	1	0	0	4	6	0	0	0	0
OOTACAMUND	23.3	+1.4	25.1	16	9.4	+1.0	3.0	03	1.6	2.4	- 30.1	2.2	23	0	- 2.4	3.5	3.5	-0.7	1	1	0	0	1	0	0	0	0	0
COONOOR	25.1	+2.4	26.3	26	9.2	-2.1	6.3	06	..	2.2	- 68.7	1.2	23	0	- 2.8	..	..	..	0	3	0	0	0	0	0	0	0	0
KODAIKANAL	21.4	+2.2	23.2	12	11.1	+1.1	8.0	05	7.6	7.9	- 43.7	4.5	23	1	- 2.2	16.3	15.5	+2.0	0	5	0	0	3	0	0	0	0	0
MANALI	20.1	..	25.0	14	5.1	..	1.5	21	31.0	139.0	..	79.0	26	4	..	..	..	..	0	4	0	0	0	0	0	0	0	0
NEPAL																												
KATMANDU	26.7	+1.5	29.7	16	8.7	+0.7	3.5	01	16.9	44.6	+ 11.6	17.3	24	5	+ 1.8	2.9	1.5	-0.4	0	6	0	1	6	1	0	0	0	0
SIKKIM																												
LACHEN	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
HYDROMETEOROLOGICAL OBSERVATORIES																												
DAMODAR CATCHMENT																												
TILAIYA	34.1	..	37.7	27	17.9	..	12.7	03	5.9	7.4	..	6.9	19	1	..	11.8	5.6	..	0	2	0	0	0	0	0	0	0	0
HAZARIBAGH	33.4	..	36.6	27	17.2	..	11.5	03	0.0	21.4	..	20.0	30	1	..	10.2	6.1	..	0	3	0	0	1	0	1	0	0	0
KONAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BOKARO	37.0	..	40.4	29	22.2	..	16.2	06	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
MAITHON	37.0	..	40.4	17	16.7	..	10.9	04	2.7	6.7	..	5.2	19	1	..	..	..	..	0	3	0	0	3	0	2	0	0	0
RAMGARH	35.1	..	39.0	27	14.0	..	10.0	04	6.8	15.5	..	7.5	19	2	..	..	..	..	0	3	0	0	1	0	1	0	0	0
PANCHET HILLS	35.8	..	39.5	29	20.8	..	16.7	04	0.7	5.0	..	2.4	01	0	..	7.1	4.6	..	0	4	0	0	0	0	0	0	0	0
DURGAPUR	35.4	..	38.6	16	19.6	..	14.5	04	17.6	37.2	..	14.0	25	4	..	15.4	14.5	..	0	6	0	0	0	0	0	0	0	0
MAHANADI CATCHMENT																												
GINABAHAR	36.4	..	39.4	28	17.7	..	14.1	13	0.0	1.1	..	0.6	01	0	..	..	..	..	0	2	0	0	2	0	0	0	0	0
HIRAKUD	38.0	..	40.5	28	22.3	..	19.1	12	0.0	0.0	..	0.0	..	0	..	4.8	3.6	..	0	0	0	0	0	0	0	0	0	0
BHIMKUND	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SONEPUR	38.0	..	40.5	26	23.5	..	20.1	14	..	0.0	..	0.0	..	0	..	.	4.7	..	0	0	0	0	0	0	0	0	0	0
KHIJRAWAN	36.7	..	39.1	27	18.2	..	12.1	22	0.0	0.0	..	0.0	..	0	..	10.1	6.8	..	0	0	0	0	8	0	0	0	0	0
NARMADA CATCHMENT																												
BAGRA TAWA	37.5	..	40.0	16	18.4	..	13.4	11	0.0	0.0	..	0.0	..	0	..	9.8	6.3	..	0	0	0	0	0	0	0	0	0	0
PUNASA	38.9	..	41.2	27	18.8	..	13.1	21	..	0.0	..	0.0	..	0	..	.	5.7	..	0	0	0	0	0	0	0	0	0	0
THIKRI	41.6	..	43.9	19	21.1	..	15.4	01	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
SABARMATI CATCHMENT																												
DAROI	35.0	..	39.0	29	18.1	..	16.6	30	..	0.0	..	0.0	..	0	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JHAROL	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GANDAK CATCHMENT																												
JAMOSOM	18.7	..	23.1	14	3.0	..	0.3	22	0.0	34.5	..	12.0	19	4	..	..	..	..	0	4	0	0	0	0	0	0	0	0
KHUDI BAZAR	26.7	..	30.6	15	14.6	..	11.6	19	49.0	88.7	..	55.8	19	7	..	..	..	..	1	9	0	0	0	0	0	0	0	0
TIMURE	23.1	..	26.6	31	9.9	..	7.0	02	14.7	41.3	..	27.4	19	4	..	..	..	..	0	5	0	0	0	0	0	0	0	0
POKHARA	27.4	..	31.2	16	15.1	..	11.1	21	51.3	80.8	..	28.1	19	6	..	7.4	7.2	..	2	10	0	2	10	0	0	0	2	0
GORKHA	26.6	..	29.9	14	14.5	..	10.8	19	20.6	50.8	..	20.7	24	5	..	..	..	..	0	8	0	1	7	2	0	0	0	0
NUWAKOT	28.2	..	31.2	31	16.4	..	12.6	20	21.0	31.1	..	25.1	19	2	..	..	..	..	0	4	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — MARCH 1969 PHALGUNA 10, 1890 - CHAITRA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
GHAGHARA CATCHMENT (TRANS HIMALAYAN REGION)																												
DAILEKH	..	..	..	..	..	..	..	..	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
GHAGHARA CATCHMENT																												
SALLYANA	25.1	..	28.1	31	14.7	..	9.4	20	1.0	8.1	..	3.9	26	2	..	..	..	..	0	3	0	0	0	0	0	0	0	0
BUTWAL	33.1	..	36.9	29	20.2	..	15.9	03	0.8	2.0	..	2.0	20	0	..	..	..	..	0	1	0	0	0	0	0	0	0	0
BAGHMATI CATCHMENT																												
KATMANDU	SEE UNDER NEPAL					..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
KOSI CATCHMENT																												
CHAUTARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
WALUNGCHUNG GOLA	10.1	..	14.5	14	0.8	..	- 2.6	22	32.1	66.8	..	16.8	19	6	..	..	..	..	0	10	0	0	0	0	0	0	0	0
TAPLETHOK	25.0	..	28.7	31	12.5	..	9.8	21	1.2	44.6	..	10.4	21	5	..	..	..	..	0	9	0	0	0	0	0	0	0	0
BHOJPUR	20.5	..	24.9	30	13.0	..	9.6	22	5.2	42.4	..	27.8	24	3	..	..	..	..	0	3	0	0	0	0	0	0	0	0
TAPLEJUNG	20.0	..	23.3	15	10.4	..	7.8	03	29.7	62.7	..	19.4	19	8	..	9.5	5.5	..	0	12	0	2	9	2	0	0	0	0
DHALDHUNGA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
CHAINPUR	..	..	..	..	14.0	..	10.9	18	5.0	10.4	..	5.4	18	2	..	..	..	..	0	3	0	0	0	0	0	0	0	0
BARAHAKSHETRA	31.0	..	35.2	16	18.7	..	14.9	02	81.6	130.3	..	39.0	21	5	..	7.8	4.6	..	0	6	0	2	5	0	0	0	0	0
TISTA CATCHMENT																												
GANGTOK	20.4	..	24.1	15	9.7	..	6.0	21	91.5	235.6	..	42.2	21	12	..	6.6	5.7	..	1	15	0	2	11	2	0	0	1	0
GEZING	22.9	..	27.4	31	11.6	..	9.2	02	19.4	87.8	..	20.4	10	10	..	..	..	..	1	13	0	0	0	0	0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – MARCH 1969 PHALGUNA 10, 1890 - CHAITRA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAY ISLANDS																											
MAYA BANDAR	0830	28	1013.0	1009.8	-7.8	27.0	24.4	23.2	28.4	80	-90	2.3	+0.4	2.6	0	0	16	02	7	1	0	0	0	1	5	15	0
	1730	28	1009.6	1006.5	-0.5	28.7	24.6	22.7	27.6	71	- 2	2.4	-0.9	3.7	0	0	19	00	11	4	1	0	0	0	3	12	0
LONG ISLAND	0830	25	1012.9	1010.0	-0.1	28.3	24.5	22.7	27.6	72	- 3	2.9	-0.1	1.4	0	0	15	00	2	1	2	2	5	0	3	16	0
	1730	25	1010.2	1007.3	+0.1	28.0	23.7	21.5	25.8	69	- 2	2.8	-0.8	0.7	0	0	11	00	10	0	0	0	0	0	1	20	0
PORT BLAIR	0530	79	1010.8	1001.8	..	23.6	22.7	22.3	27.0	92	..	2.9	..	1.6	0	0	11	00	2	0	0	0	0	2	7	20	0
	0830	79	1012.8	1004.0	+0.5	29.1	25.0	23.1	28.4	70	+ 1	2.8	-0.6	6.5	0	0	27	04	13	5	1	0	2	0	2	4	0
	1130	79	1011.5	1002.8	..	31.3	25.5	22.8	27.9	61	..	3.0	..	9.0	0	0	30	03	18	9	0	0	0	0	0	1	0
	1430	79	1009.2	1000.4	..	30.7	25.2	22.6	27.5	63	..	3.3	..	8.5	0	0	30	01	16	10	2	0	0	1	0	1	0
	1730	79	1009.8	1000.9	+0.4	28.1	24.5	22.8	27.9	74	+ 0	3.2	-0.7	3.5	0	0	19	01	13	3	1	0	0	0	1	12	0
	2030	79	1011.7	1002.7	..	26.1	23.9	22.8	27.9	82	..	1.0	..	2.5	0	0	15	02	7	1	0	0	0	2	3	16	0
	2330	79	1011.3	1002.4	..	24.9	23.4	22.7	27.6	88	..	1.6	..	3.0	0	0	17	04	7	0	0	0	1	3	2	14	0
CAR NICOBAR	0830	10	1011.8	1010.7	-0.2	29.8	26.2	24.6	31.1	75	+ 5	4.8	+0.9	2.8	0	0	24	00	23	1	0	0	0	0	0	7	0
	1730	10	1009.0	1007.8	-0.3	28.8	26.3	25.0	32.4	80	+ 5	4.5	+0.6	1.2	0	0	11	00	11	0	0	0	0	0	0	20	0
NAN COWRY	0830	26	1012.2	1009.3	+0.1	29.7	26.3	24.9	31.5	75	+ 0	4.2	-0.7	1.2	0	0	18	00	4	7	4	1	0	2	0	13	0
	1730	26	1009.2	1006.3	+0.2	29.3	26.0	24.6	30.7	76	- 2	4.2	-0.5	0.1	0	0	1	00	0	0	1	0	0	0	0	30	0
KONDUL	0830	8	1012.5	1011.6	+0.7	29.4	26.3	25.1	31.7	78	- 4	3.8	-1.1	4.3	0	0	20	00	20	0	0	0	0	0	0	11	0
	1730	8	1010.1	1009.2	+1.1	29.2	26.2	25.0	31.5	78	- 5	4.3	-0.7	4.8	0	0	23	01	22	0	0	0	0	0	0	8	0
HUT BAY/LITTLE ANDAMAN	0830	5	1013.2	1012.4	..	29.4	25.9	24.3	30.5	74	..	4.1	..	8.3	0	2	26	05	22	0	0	0	0	0	1	3	0
	1730	5	1010.2	1009.3	..	28.3	25.6	24.4	30.6	79	..	4.0	..	9.3	0	2	26	03	21	0	0	0	2	1	1	3	0
NORTH ASSAM (INCLUDING NEFA)																											
PASIGHAT	0830	157	1013.7	995.7	-0.1	21.4	17.5	14.8	16.9	67	+ 0	3.8	-0.8	12.3	0	14	10	00	0	0	0	0	1	0	23	7	0
	1730	157	1009.5	991.6	-0.4	22.4	18.6	16.1	18.4	68	- 1	4.9	+0.1	4.2	0	3	9	01	0	0	0	0	0	0	11	19	0
DIBRUGARH (MOHANBARI)	0230	111	1011.1	998.2	..	18.2	16.8	15.9	18.1	86	..	5.3	..	4.3	0	0	20	00	16	3	0	0	1	0	0	11	0
	0530	111	1011.7	998.7	..	16.8	16.1	15.5	17.8	92	..	5.2	..	4.1	0	0	18	02	10	5	0	0	1	0	0	13	0
	0830	111	1013.7	1000.9	+0.2	21.0	18.0	15.9	18.1	74	+ 3	4.7	-0.1	6.5	0	1	27	00	18	8	1	0	1	0	0	3	0
	1130	111	1012.6	999.7	..	24.7	19.3	15.6	18.0	60	..	4.9	..	7.0	0	0	29	02	13	13	0	0	1	0	0	2	0
	1430	111	1009.1	996.5	..	26.9	19.7	14.7	17.1	50	..	4.7	..	5.8	0	0	26	03	11	10	0	0	1	0	1	5	0
	1730	111	1009.1	996.5	+0.0	24.0	19.4	16.5	19.0	66	- 1	5.1	+0.2	3.7	0	0	14	01	9	4	0	0	0	0	0	17	0
	2030	111	1011.2	998.4	..	20.3	18.1	16.7	19.1	80	..	5.0	..	2.9	0	0	16	00	11	3	0	0	1	1	0	15	0
	2330	111	1011.5	998.7	..	19.2	17.6	16.5	18.9	84	..	5.6	..	4.1	0	0	21	01	12	5	1	0	1	1	0	10	0
DIGBOI	0830	111	1014.2	996.6	-0.2	20.8	18.6	17.1	19.6	81	+ 3	4.3	-0.3	4.8	0	0	31	12	5	4	0	3	2	3	2	0	0
	1730	111	1009.1	991.8	-0.9	24.5	20.8	18.7	21.8	71	+11	3.8	-1.2	2.5	0	0	25	06	8	3	0	2	3	1	2	6	0
NORTH LAKHIMPUR	0830	102	1013.7	1002.0	+0.3	21.8	19.0	17.4	19.7	77	+ 3	4.3	+0.1	5.7	0	0	28	05	14	6	1	1	1	0	0	3	0
	1130	102	1012.5	1000.9	..	25.6	20.5	17.5	20.0	63	..	4.3	..	7.6	0	1	28	02	9	12	4	2	0	0	0	2	0
	1430	102	1009.3	997.7	..	26.9	20.8	17.2	19.5	58	..	4.5	..	7.4	0	2	25	01	10	7	3	3	1	0	0	4	2
	1730	102	1009.3	997.6	+0.1	23.6	20.4	18.5	21.3	74	+ 1	5.2	+0.5	4.2	0	0	19	04	11	2	1	0	0	1	0	12	0
	2030	102	1011.3	999.5	..	20.5	19.0	18.1	20.5	86	..	4.1	..	3.0	0	0	16	06	3	0	1	1	4	0	0	15	1
SIBSAGAR	0830	97	1013.4	1002.2	+0.1	21.4	18.7	16.9	17.5	78	+ 0	4.3	-0.4	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	97	1008.7	997.9	+0.3	24.6	20.1	17.3	19.7	65	- 5	5.0	+0.4	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GOHPUR	0830	83	1013.5	1004.0	..	21.7	19.6	18.3	21.0	81	+ 4	5.6	..	2.1	0	0	15	00	0	15	0	0	0	0	0	16	0
	1730	83	1008.8	999.3	..	24.6	22.8	21.9	26.3	86	+19	5.3	..	1.9	0	0	16	00	0	16	0	0	0	0	0	15	0
MAJBAT	0830	120	1013.1	999.4	-0.2	22.8	21.5	20.8	24.7	88	..	1.3	-1.5	1.4	0	0	13	00	10	0	3	0	0	0	0	18	0
	1730	120	1009.2	995.3	+0.3	26.7	25.2	24.2	30.5	88	..	2.3	-1.0	1.0	0	0	7	00	5	0	1	0	1	0	0	24	0
JORHAT AERODROME	0530	90	1011.3	1000.5	..	17.1	16.6	16.1	18.5	95	..	4.4	..	1.5	0	0	5	00	5	0	0	0	0	0	0	26	0
	0830	90	1013.3	1002.7	..	21.8	19.0	17.1	19.7	76	..	4.0	..	6.7	0	3	16	00	14	3	0	1	0	0	0	12	1
	1130	90	1011.6	1001.2	..	26.8	20.4	16.4	18.8	55	..	3.2	..	11.5	0	4	23	03	19	5	0	0	0	0	0	4	0
	1730	90	1008.6	998.1	..	23.9	19.3	16.0	18.6	63	..	4.3	..	5.8	0	2	12	01	11	1	0	1	0	0	0	17	0
	2330	90	1011.0	1000.3	..	18.8	17.1	15.8	18.2	83	..	3.8	..	3.1	0	0	11	00	9	0	1	0	1	0	0	20	0
TANGLA	0830	78	1009.9	1002.5	-0.8	23.4	19.1	16.2	18.6	65	+ 1	1.8	-0.7	3.4	0	0	26	00	0	23	0	3	0	0	0	5	0
	1730	78	1005.0	997.8	-1.1	27.4	21.0	17.2	19.6	55	- 9	2.1	-0.5	0.5	0	0	4	00	0	2	1	0	0	1	0	27	0
TEZPUR	0830	79	1013.2	1004.2	+0.1	22.3	19.8	18.2	21.0	78	+10	3.6	+0.9	5.5	0	1	28	01	27	0	0	0	1	0	0	2	0
	1730	79	1008.7	999.8	+0.5	27.2	21.0	17.2	19.9	56	+ 1	2.8	-0.1	3.2	0	0	17	00	15	0	0	0	2	0	0	14	0
GOLAGHAT	0830	95	1012.9	1002.1	-0.1	20.3	18.0	16.4	18.9	79	+ 4	3.0	-0.7	1.0	0	0	14	02	3	1	0	0	3	0	5	17	0
	1730	95	1007.8	997.1	-0.5	28.1	20.2	14.9	17.3	47	-13	2.4	-1.3	0.4	0	0	3	01	0	1	0	0	0	0	1	28	0
RANGIA	0830	60	1013.9	1007.0	..	23.5	20.0	17.8	20.5	72	+ 6	3.0	..	5.9	0	2	23	00	4	19	1	1	0	0	0	4	0
	1730	60	1009.1	1002.1	..	26.6	21.8	19.1	22.2	65	+ 9	2.9	..	1.5	0	0	9	00	0	9	0	0	0	0	0	20	0
CHAPARMUKH	0830	66	1014.4	1006.8	+1.1	23.2	19.0	16.3	18.6	66	+ 2	2.7	+0.5	5.4	0	0	28	00	3	11	13	0	0	1	0	1	0
	1730	66	1011.0	1003.6	+3.0	26.4	20.0	15.7	18.4	55	- 2	2.4	-0.7	3.2	0	0	10	01	4	2	1	1	1	0	0	11	0
GOALPARA	0830	38	1012.5	1008.2	+0.7	22.3	19.3	17.3	20.0	75	+ 5	2.8	+0.4	1.9	0	0	28	03	4	10	4	2	1	3	1	3	0
	1730	38	1008.1	1003.8	+0.6	28.0	23.2	20.5	24.6	67	+18	1.7	-0.2	1.7	0	0	23	02	3	6	1	0	2	9	0	8	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS -- MARCH 1969 PHALGUNA 10, 1890 - CHAITRA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NORTH ASSAM (INCLUDING NEFA) (CONTD.)																											
GAUHATI(BHORJOR)	0230	54	1009.6	1003.3	..	18.7	17.0	15.8	18.2	84	..	2.6	..	4.0	0	0	15	03	3	3	1	4	1	0	0	16	0
	0530	54	1010.4	1004.1	..	17.5	16.3	15.5	17.9	88	..	2.8	..	2.4	0	0	11	01	3	3	1	3	0	0	0	20	0
	0830	54	1012.7	1006.4	-0.1	23.0	18.9	16.1	18.6	67	+ 1	2.8	+0.1	4.6	0	0	18	03	8	4	2	1	0	0	0	13	0
	1130	54	1011.1	1005.0	..	28.3	20.4	15.0	17.6	49	..	2.5	..	7.7	0	0	24	10	4	3	0	0	0	3	3	7	1
	1430	54	1007.5	1001.5	..	30.4	20.5	13.6	16.3	39	..	2.6	..	10.1	0	2	28	08	7	0	0	1	0	8	5	1	1
	1730	54	1007.8	1001.7	-0.2	27.6	19.9	14.6	17.2	49	- 4	3.5	+0.0	6.9	0	1	21	05	7	1	0	0	3	4	2	9	0
	2030	54	1010.2	1004.0	..	22.2	18.8	16.6	18.8	72	..	2.3	..	4.7	0	0	18	02	4	3	0	5	4	0	0	13	0
	2330	54	1010.7	1004.4	..	20.2	17.8	16.1	18.6	78	..	2.6	..	6.2	0	0	18	01	5	5	1	4	1	1	0	13	0
DHUBRI(RUPSI)	0530	45	1010.1	1004.8	..	17.4	16.2	15.4	17.8	88	..	3.0	..	4.7	0	0	26	00	15	5	2	0	4	0	0	5	0
	0830	45	1011.9	1006.8	+0.0	24.4	19.2	15.7	18.2	60	+ 1	2.7	+0.5	7.2	0	0	30	00	9	11	2	3	4	0	1	1	0
	1130	45	1011.0	1005.9	..	28.9	20.8	15.3	18.0	46	..	2.4	..	9.1	0	0	31	00	6	9	4	8	3	1	0	0	0
	1730	45	1007.1	1002.3	+0.2	27.4	20.4	15.8	18.4	53	+ 5	2.4	+0.5	5.0	0	0	22	00	7	1	0	1	4	8	1	9	0
DHUBRI	0830	35	..	..	..	22.8	19.8	17.8	20.9	74	+ 6	1.9	-0.3	6.2	0	0	24	02	13	5	2	0	2	0	0	7	0
	1730	35	..	..	..	27.8	20.8	16.3	18.9	52	+ 6	1.7	-0.3	3.5	0	3	8	00	4	3	0	1	3	0	0	20	0
LUMDING	0830	149	1013.1	996.5	..	22.1	17.9	15.0	17.1	65	- 2	1.6	..	1.0	0	0	12	01	2	6	1	1	0	1	0	19	0
	1730	149	1007.4	990.9	..	30.6	20.7	14.1	16.5	39	..	2.9	..	1.9	0	0	21	01	0	2	5	6	1	4	2	10	0
BOMDILLA	0830		..	..	..	4.0	2.6	0.8	6.5	79	..	7.1	..	2.7	0	0	30	00	4	3	3	5	12	3	0	1	0
	1730		..	..	..	3.9	2.7	1.0	6.6	82	..	8.0	..	2.5	0	0	30	01	0	1	7	8	10	3	0	2	0
TAWANG	0830		..	..	..	10.1	10.0	9.9	12.2	99	..	3.2	..	0.9	0	0	9	00	0	2	0	7	0	0	0	22	0
	1730		..	..	..	7.7	7.6	7.5	10.4	99	..	2.8	..	1.1	0	0	17	02	0	6	0	8	0	1	0	14	0
TEZU	0830		..	..	..	20.8	17.5	15.1	17.1	72	..	4.5	..	0.6	0	0	10	00	0	1	0	0	0	0	0	21	9
	1730		..	..	..	22.5	19.1	17.1	19.5	73	..	5.0	..	0.3	0	0	4	00	1	0	0	0	0	0	0	27	3
ALONG	0830		..	..	..	18.2	16.9	16.0	18.2	88	..	5.9	..	0.8	0	0	8	00	1	0	3	0	1	2	1	23	0
	1730		..	..	..	21.2	18.4	16.2	18.4	75	..	4.0	..	1.2	0	0	7	00	0	0	0	2	0	5	0	24	0
ZIRO	0830		(R)																								
	1730		(R)																								
KHONSA	0830		..	..	..	20.6	15.6	11.8	13.8	59	..	5.5	..	1.1	0	0	10	01	3	3	1	0	0	1	1	19	0
	1730		..	..	..	19.8	15.7	12.7	14.7	65	..	5.6	..	0.7	0	0	9	02	0	4	1	0	1	1	0	21	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
TURA	0830	370	1012.8	970.9	-0.3	23.0	18.0	14.4	16.6	60	- 7	4.2	+1.2	4.5	0	0	28	01	2	3	8	2	6	4	2	3	0
	1730	370	1007.7	966.8	-0.6	27.9	20.1	13.7	15.7	49	- 9	3.5	+0.6	3.3	0	0	26	01	0	1	4	9	7	4	0	5	0
HAFLONG	0830	682	1015.5	939.3	+3.1	21.3	18.6	13.1	15.1	62	+ 2	2.3	-0.1	2.8	0	0	31	00	0	0	17	0	14	0	0	0	0
	1730	682	1007.7	932.9	+0.2	24.2	17.1	12.3	13.7	49	- 3	2.1	-1.0	3.3	0	0	31	00	0	0	0	7	23	0	1	0	0
SILCHAR(KUMBHIRGRAM)	0530	97	1010.3	998.8	..	18.4	16.3	14.7	16.8	80	..	3.4	..	10.1	0	1	29	00	2	27	1	0	0	0	0	1	0
	0830	97	1012.4	1001.0	+0.1	22.6	18.4	15.6	17.7	66	+ 2	3.0	+0.5	9.7	0	0	31	01	2	22	4	1	0	1	0	0	0
	1130	97	1011.2	1000.0	..	27.9	20.0	14.8	16.9	47	..	2.6	..	8.3	0	0	31	00	1	5	4	4	6	7	1	0	3
	1730	97	1007.3	996.2	-0.3	28.0	20.6	15.9	18.2	49	- 2	2.6	+0.2	2.4	0	0	13	01	3	2	1	0	1	5	0	18	0
SILCHAR	0830	29	1013.2	1009.8	-0.1	22.8	19.1	16.7	19.1	69	- 2	2.8	+0.2	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	29	1008.1	1004.8	-0.3	29.0	21.2	16.4	18.8	48	- 6	2.4	-0.1	..	.	..	..	..	..	..	..	..	..	..	..	..	..
IMPHAL(TULIHAL)	0530	781	1014.9	925.8	..	12.8	11.5	10.5	12.5	86	..	3.6	..	1.5	0	0	4	00	0	1	0	0	1	1	1	27	0
	0830	781	1014.8	927.6	+0.4	19.1	14.6	11.1	12.9	61	- 1	2.4	-0.3	2.7	0	0	9	00	0	0	1	5	1	0	2	22	0
	1130	781	1011.5	926.3	..	25.3	15.5	9.9	11.7	41	..	2.8	..	7.8	0	3	16	01	0	0	0	3	1	7	7	12	0
	1430	781	1007.8	923.4	..	26.8	14.4	8.0	10.2	33	..	3.3	..	15.9	0	8	19	01	0	0	0	0	4	5	17	4	0
	1730	781	1008.9	923.4	+1.8	23.1	13.6	9.8	11.6	45	- 5	3.3	+0.2	6.1	0	1	15	00	0	0	0	0	0	5	11	15	0
	2030	781	1012.4	925.4	..	19.1	14.3	10.5	12.4	59	..	2.4	..	2.1	0	0	6	03	0	0	1	0	0	0	2	25	0
	2330	781	1013.7	925.8	..	16.1	13.3	11.1	13.2	73	..	2.2	..	1.7	0	0	4	01	0	0	0	0	0	1	2	27	0
KAILASHAHAR	0530	29	1011.9	1008.5	..	18.3	17.5	17.0	19.4	92	..	2.9	..	3.9	0	1	16	00	0	1	8	5	2	1	0	14	0
	0830	29	1013.9	1010.6	+0.7	23.8	20.4	18.3	21.1	72	+ 1	2.9	+0.2	6.7	0	0	30	03	0	3	7	12	3	1	1	1	0
	1130	29	1012.4	1009.1	..	29.3	21.8	17.2	20.0	51	..	3.2	..	8.3	0	1	30	01	1	2	1	8	5	5	5	0	3
	1730	29	1008.9	1005.7	+0.1	23.4	22.1	18.5	21.4	56	+ 3	2.3	-0.3	4.5	0	0	27	07	6	0	5	2	2	1	4	4	0
AGARTALA	0230	16	1008.9	1007.1	..	21.0	19.3	18.2	21.0	84	..	3.4	..	8.6	0	1	23	01	2	2	5	12	1	0	1	7	0
	0530	16	1009.8	1008.0	..	20.5	19.4	18.6	20.8	89	..	5.0	..	7.2	0	2	22	01	0	2	5	13	3	0	0	7	0
	0830	16	1012.1	1010.3	+0.4	25.3	21.8	19.8	23.2	73	+ 3	3.9	+0.8	10.1	0	1	27	00	1	1	3	14	4	5	0	3	0
	1130	16	1010.9	1009.1	..	30.4	22.3	17.3	20.2	49	..	2.5	..	11.9	0	0	31	02	2	0	0	9	9	6	3	0	0
	1430	16	1007.8	1006.0	..	32.4	22.0	14.9	17.9	40	..	3.3	..	12.8	0	1	29	02	0	0	1	6	8	10	3	1	0
	1730	16	1007.4	1005.6	-0.2	29.2	21.9	17.3	20.2	52	+ 3	2.6	-0.1	9.3	0	1	29	00	1	1	3	10	5	7	2	1	0
	2030	16	1009.6	1007.8	..	24.7	20.6	18.0	21.0	68	..	1.5	..	7.1	0	1	25	01	2	1	1	16	3	1	1	5	0
	2330	16	1009.9	1008.1	..	22.5	19.9	18.2	21.1	77	..	2.4	..	7.5	0	1	25	02	4	1	4	13	1	0	1	5	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MARCH 1969 PHALGUNA 10, 1890 - CHAITRA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lst. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA) (CONTD.)																											
TUENSANG	0830		(R)																								
	1730		(R)																								
MOKOKCHUNG	0830		..	..	..	19.8	15.4	11.7	13.7	61	..	1.4	..	3.1	0	0	15	00	1	0	0	5	7	1	1	16	0
	1730		..	..	..	21.0	16.0	11.8	13.8	58	..	1.0	..	3.3	0	0	11	02	0	0	0	0	6	0	3	20	0
SUB-HIMALAYAN WEST BENGAL																											
BAGHDOGRA	0230	131	1009.7	994.4	..	17.7	15.7	14.3	16.2	80	..	2.8	..	2.9	0	0	8	03	3	0	0	1	1	0	0	23	0
	0530	131	1010.1	994.8	..	17.0	15.7	14.8	16.8	87	..	3.1	..	4.2	0	1	10	03	7	0	0	0	1	0	0	20	0
	0830	131	1012.0	997.0	+0.2	24.1	18.9	15.3	16.8	59	+ 1	3.0	+0.5	11.8	0	2	25	00	15	10	2	0	0	0	0	4	0
	1130	131	1011.1	996.4	..	28.6	20.4	14.9	17.3	45	..	2.9	..	16.6	0	3	28	00	7	17	6	1	0	0	0	0	0
	1430	131	1007.6	993.0	..	30.4	21.3	15.7	17.9	43	..	3.3	..	13.7	0	1	29	01	6	6	2	5	8	1	1	1	0
	1730	131	1007.2	992.4	-0.2	27.1	21.0	17.4	19.7	56	+ 8	2.9	-0.4	6.9	0	0	21	01	5	4	2	0	8	0	1	10	0
	2030	131	1009.7	994.6	..	22.2	18.8	16.6	19.0	71	..	2.7	..	5.5	0	0	16	05	5	2	0	1	0	2	1	15	0
	2330	131	1010.3	995.1	..	19.7	17.0	15.1	17.1	75	..	2.4	..	3.8	0	0	12	04	7	1	0	0	0	0	0	19	0
JALPAIGURI	0830	83	1012.1	1002.7	+0.3	22.2	19.0	16.9	19.4	72	+ 3	1.9	+0.0	7.5	0	2	29	07	13	10	1	0	0	0	0	0	0
	1730	83	1007.3	998.0	+0.2	27.6	21.5	17.9	20.6	57	+14	1.4	-0.5	3.7	0	0	24	02	9	7	0	0	0	4	2	7	0
COOCH BEHAR AERODROME	0830	43	1012.5	1007.7	+1.0	23.2	19.0	16.2	18.7	66	+ 1	3.0	+0.2	12.6	0	4	27	01	3	22	2	1	1	0	1	0	0
	1130	43	1011.4	1006.6	..	27.9	20.7	16.1	18.5	51	..	2.8	..	14.8	0	9	22	01	4	11	4	4	1	0	0	0	6
	1730	43	1007.7	1002.9	+0.1	27.3	21.3	17.7	20.5	57	+ 2	2.5	+0.1	3.7	0	0	11	03	2	3	1	0	0	1	0	20	1
BALURGHAT	0830		(R)																								
	1730		(R)																								
MALDA	0830	31	1011.8	1008.1	+0.1	25.0	18.8	14.2	16.6	55	+ 2	1.7	-0.1	1.6	0	0	18	00	1	6	3	0	4	4	0	13	0
	1730	31	1006.8	1003.3	-0.6	31.5	20.7	12.9	15.6	36	+ 1	1.3	-0.2	1.7	0	0	24	02	4	5	2	1	0	5	5	7	0
GANGETIC WEST BENGAL																											
BERHAMPORE	0830	19	1011.9	1009.8	+0.4	25.5	21.2	18.2	21.2	66	+ 9	2.8	+0.6	3.4	0	0	29	01	2	6	0	14	3	3	0	2	0
	1730	19	1007.0	1004.9	+0.0	31.1	23.3	18.4	21.5	49	+15	1.9	-0.1	1.8	0	0	17	02	1	4	0	6	0	3	1	14	0
SURI	0830		..	..	..	29.0	19.6	11.6	15.2	41	- 4	1.5	-0.5	4.1	0	0	31	04	1	4	1	16	1	4	0	0	0
ASANSOL	0230	126	1008.9	994.5	..	21.5	17.8	14.9	17.4	68	..	1.8	..	2.0	0	0	10	02	1	2	1	2	1	0	1	21	0
	0530	126	1009.7	995.1	..	20.2	17.2	14.8	17.1	72	..	2.5	..	1.6	0	0	14	00	2	2	1	5	1	3	0	17	0
	0830	126	1011.6	997.4	+0.0	27.3	20.3	15.3	18.1	51	+ 4	2.0	+0.0	4.3	0	0	23	00	1	2	3	3	3	9	2	8	0
	1130	126	1010.1	996.2	..	34.1	21.8	12.8	16.1	32	..	1.8	..	7.2	0	1	29	04	2	2	4	3	3	7	5	1	0
	1430	126	1006.8	993.0	..	36.2	22.1	12.1	15.2	26	..	2.2	..	7.9	0	1	29	02	2	1	1	4	3	3	14	1	0
	1730	126	1006.3	992.3	-0.5	32.9	21.2	12.9	15.7	32	+ 5	2.1	+0.1	4.3	0	0	26	01	1	2	3	2	0	2	15	5	0
	2030	126	1009.0	994.8	..	25.9	19.1	14.1	16.1	50	..	1.1	..	3.5	0	0	19	02	0	6	1	3	0	1	6	12	0
	2330	126	1009.7	995.3	..	23.3	18.4	14.8	17.1	61	..	1.0	..	4.4	0	1	17	00	0	4	5	3	0	2	4	13	0
SHANTI NIKETAN	0830	59	1012.2	1005.5	..	26.7	20.1	15.8	18.2	58	..	2.9	..	4.8	0	0	27	02	2	3	1	5	4	7	3	4	0
	1130	59	1011.1	1004.5	..	32.4	20.9	11.2	15.3	34	..	2.0	..	4.3	0	0	25	01	1	5	1	4	2	8	3	6	0
	1730	59	1007.0	1000.4	..	32.1	20.5	11.4	14.7	33	..	2.4	..	3.7	0	0	21	01	2	3	3	5	0	5	2	10	0
KRISHNANAGAR	0830	15	1011.7	1010.0	-0.1	26.8	22.6	20.1	24.0	69	+ 4	2.0	-0.3	1.2	0	0	6	00	0	0	1	4	1	0	0	25	0
	1730	15	1008.7	1007.1	+1.2	31.0	22.4	16.9	20.1	45	+ 5	2.3	+0.3	1.0	0	0	8	00	0	0	0	8	0	0	0	23	0
PURULIA	0830	255	1012.2	983.6	+0.0	26.2	19.2	13.8	16.5	51	+ 6	1.8	+0.0	2.6	0	0	27	01	1	0	5	4	5	6	5	4	0
	1730	255	1006.4	978.6	-0.5	33.6	20.9	11.7	14.3	29	+ 3	2.3	-0.2	2.4	0	0	23	03	3	1	1	1	1	4	9	8	0
BANKURA	0830	100	1011.5	1000.1	..	25.8	20.2	16.1	19.3	58	..	1.0	..	0.7	0	0	11	01	2	1	1	3	1	2	0	20	0
	1730	100	1006.5	995.6	..	32.8	20.5	12.1	14.1	30	..	0.8	..	0.3	0	0	4	00	2	0	0	1	0	0	0	27	1
BURDWAN	0830	32	1011.7	1008.1	+0.2	26.9	22.6	19.7	23.8	68	+ 4	0.8	-1.1	5.7	0	0	27	00	0	1	2	7	5	11	1	4	0
	1730	32	1007.0	1003.4	-1.0	32.9	22.0	14.7	17.4	37	+ 2	1.2	-0.5	4.6	0	2	19	02	0	3	3	3	2	7	1	10	0
CALCUTTA (DUM DUM)	0230	6	1008.9	1008.2	..	24.0	22.8	22.1	26.7	90	..	2.0	..	8.5	0	1	25	00	0	2	3	8	9	3	1	5	0
	0530	6	1009.3	1008.6	..	23.3	22.2	21.7	25.8	91	..	3.2	..	8.4	0	2	22	00	1	0	4	7	8	3	1	7	0
	0830	6	1011.5	1010.8	-0.4	27.1	23.8	22.0	26.6	75	+ 5	3.1	+0.6	11.4	0	5	24	02	0	0	2	5	16	3	1	2	0
	1130	6	1010.6	1009.9	..	32.4	24.2	19.7	23.5	50	..	3.2	..	13.0	0	4	27	06	1	1	1	8	6	5	3	0	0
	1430	6	1007.5	1006.8	..	34.1	23.7	17.3	20.8	40	..	2.5	..	13.1	0	3	28	05	1	1	1	5	6	5	7	0	0
	1730	6	1007.2	1006.5	-0.6	31.9	23.9	19.6	23.1	51	+ 4	2.7	+0.5	7.9	0	3	18	05	1	0	0	7	5	1	2	10	0
	2030	6	1009.2	1008.5	..	16.4	23.3	21.7	26.3	76	..	1.8	..	12.2	0	7	19	00	0	1	2	13	8	1	1	5	0
	2330	6	1009.7	1009.0	..	24.8	23.0	22.1	26.6	85	..	2.3	..	10.8	0	5	22	00	1	2	2	10	12	0	0	4	0
CALCUTTA	0830	6	1011.7	1011.0	-0.1	28.3	24.0	21.8	26.4	69	- 2	2.8	+0.5	8.6	0	2	28	01	0	0	4	10	11	1	3	1	0
	1130	6	1010.6	1009.9	..	33.1	23.9	18.6	22.1	45	..	3.4	..	9.1	0	1	30	01	1	1	1	6	9	4	8	0	0
	1730	6	1007.3	1006.6	-0.3	31.5	22.9	17.7	20.9	47	+ 1	2.7	+0.6	6.5	0	2	20	02	0	0	3	9	3	1	4	9	0
MIDNAPORE	0830	45	1011.4	1006.3	-0.2	27.7	22.8	19.8	23.8	66	+ 7	1.9	+0.0	4.5	0	0	29	06	2	1	0	16	2	2	0	2	0
	1730	45	1006.9	1001.9	-0.9	32.8	21.5	13.2	16.4	36	+ 3	1.9	-0.3	4.8	0	0	25	07	5	0	5	7	1	0	0	6	0
CONTAI	0830	11	1011.6	1010.4	+0.0	28.7	24.7	22.8	27.6	71	+ 3	2.9	+0.6	9.5	0	4	24	04	0	1	0	14	8	1	0	3	0
	1730	11	1007.9	1006.7	-0.2	28.1	25.3	24.1	30.0	79	+ 7	3.2	+0.6	14.3	0	7	22	01	0	0	9	18	1	0	0	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — MARCH 1969 (PHALGUNA 10, 1890 - CHAITRA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb.			Mean temperature in °C			Vapour pressure in mb.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
															Wind Speed (Km. p. h.)			Wind direction									
			As mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry bulb	Wet bulb	Dew point			Departure from normal	Mean amount	Departure from normal		62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GANGETIC WEST BENGAL (CONTD.)																											
SAGAR ISLAND	0830	3	1011.3	1011.0	-0.3	27.7	25.1	23.9	29.7	80	+ 8	3.8	+1.0	17.3	0	11	19	01	0	1	2	13	10	2	1	1	0
	1730	3	1007.6	1007.3	-0.4	28.0	25.2	24.0	29.9	80	+ 6	3.1	+0.3	19.3	0	13	18	01	0	0	13	16	1	0	0	0	0
SANDHEADS	0530	10	1009.5	1008.4	..	26.5	24.8	23.9	29.8	86	..	2.5	..	19.1	0	9	22	00	0	0	1	5	24	1	0	0	0
	0830	10	1012.2	1011.1	+0.2	27.6	25.2	24.2	30.1	82	+ 6	3.2	+1.0	17.7	0	7	24	01	1	0	0	5	20	3	1	0	0
	1130	10	1011.9	1010.8	..	28.8	25.5	24.2	30.1	78	..	3.4	..	16.9	0	10	21	01	1	0	0	2	22	3	2	0	0
	1730	10	1008.3	1007.2	-0.3	27.7	25.2	24.1	30.0	81	+ 4	2.7	+0.8	16.4	0	10	19	00	0	0	0	10	19	0	0	2	0
	2330	10	1010.3	1009.2	..	27.0	25.1	24.2	30.2	85	..	.	..	22.6	1	15	15	00	0	0	1	5	24	0	1	0	0
NAKHODRAPUR	0830		..	..	..	27.7	24.4	22.9	28.1	77	..	4.0	..	3.9	0	0	31	01	1	1	3	9	11	4	1	0	0
	1730		..	..	..	29.7	24.5	22.0	26.6	65	..	4.3	..	3.0	0	0	25	01	1	0	2	10	7	2	2	6	0
BAGATI	0830		..	..	..	26.1	23.1	21.4	25.5	77	..	3.4	..	9.2	0	4	25	02	1	0	4	4	16	1	0	2	1
	1730		..	..	..	30.1	23.3	19.7	12.9	58	..	2.6	..	3.8	0	1	22	00	0	3	2	2	11	4	0	8	1
ORISSA																											
BARIPADA	0830	54	1012.5	1006.4	-0.7	27.9	22.3	19.0	22.6	61	+ 4	2.2	+0.5	2.3	0	0	22	06	4	0	0	4	4	2	2	9	0
	1730	54	1007.7	1001.7	-1.0	32.8	23.7	18.4	22.0	45	+ 0	3.7	+1.6	4.9	0	1	23	00	1	1	6	9	3	0	0	7	4
JHARSUGUDA	0230	230	1008.6	982.5	..	23.7	16.6	10.8	13.3	45	..	2.1	..	6.4	0	0	27	03	11	2	3	3	2	1	2	4	0
	0530	230	1009.6	983.4	..	21.7	15.9	11.1	13.5	52	..	2.6	..	4.7	0	0	23	04	12	3	2	0	0	1	1	8	0
	0830	230	1011.6	985.8	-0.3	28.0	18.3	10.5	13.4	35	-11	2.2	+0.3	8.7	0	0	31	02	15	4	3	6	1	0	0	0	0
	1130	230	1010.3	985.1	..	34.9	20.1	8.6	11.6	21	..	1.6	..	10.6	0	4	27	03	9	4	3	0	5	4	3	0	0
	1430	230	1006.5	981.6	..	37.8	20.6	6.9	10.3	16	..	2.2	..	11.2	0	1	30	02	4	0	1	3	4	6	10	0	1
	1730	230	1005.7	980.7	-0.7	35.6	20.0	7.7	10.8	19	- 7	2.7	+0.5	10.5	0	2	29	02	3	2	1	4	8	6	5	0	0
	2030	230	1008.3	982.8	..	29.8	18.6	9.9	12.4	30	..	2.2	..	5.5	0	0	28	02	5	2	2	9	5	2	1	3	0
	2330	230	1009.1	983.2	..	26.3	17.5	10.4	12.9	38	..	1.6	..	6.0	0	2	23	04	9	3	2	4	1	1	1	6	0
KEONJHARGARH	0830	463	1011.8	960.8	-0.6	26.7	19.2	14.3	16.7	50	+ 2	0.9	-0.5	1.5	0	0	23	07	0	5	0	0	0	8	3	8	0
	1730	463	1007.6	957.3	+0.3	31.9	18.8	9.5	12.1	28	- 4	1.2	-1.1	0.8	0	0	7	03	0	2	0	0	0	2	0	24	0
BALASORE	0830	20	1011.8	1009.6	+0.1	28.3	23.3	20.8	24.6	65	+ 1	2.9	+0.5	11.3	0	4	25	08	1	0	0	7	9	2	2	2	0
	1730	20	1007.5	1005.3	-0.2	28.9	24.6	22.4	27.3	68	+ 6	4.1	+1.1	13.1	0	3	28	00	1	0	4	24	2	0	0	0	0
SAMBALPUR	0830	148	1011.8	995.4	+0.2	30.1	20.9	15.1	17.6	41	-13	1.5	-0.2	0.5	0	0	7	00	4	1	0	0	2	0	0	24	0
	1730	148	1006.4	990.1	-0.9	34.5	21.4	12.2	14.7	27	- 2	1.5	-0.5	0.1	0	0	1	00	0	0	0	0	0	0	1	30	0
ANGUL	0830	139	1012.1	996.4	+0.0	27.0	23.3	21.4	25.6	73	+12	3.7	+1.6	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	139	1006.3	991.1	-0.5	35.6	24.0	17.1	20.4	37	+11	4.2	+1.7	..	.	..	..	..	..	..	..	..	..	..	..	..	..
CHANDBALI	0830	6	1012.2	1011.5	+0.0	27.5	24.2	22.8	27.9	76	+ 1	3.9	+1.5	6.8	0	0	30	01	0	1	5	5	13	2	3	0	0
	1730	6	1007.3	1006.6	-0.9	30.0	24.6	22.1	26.6	64	+ 7	3.4	+1.3	11.3	0	2	28	00	0	3	21	0	6	0	0	0	0
BOLANGIR	0830	190	1011.2	989.9	-0.6	28.5	21.5	17.4	19.7	52	- 1	1.5	-0.6	3.5	0	0	26	06	5	0	3	9	3	0	0	5	0
	1730	190	1005.8	985.1	-1.9	36.1	23.7	16.5	18.9	32	- 3	3.5	+0.9	2.1	0	0	17	03	9	1	0	2	1	0	1	14	0
PHULBANI	0830	464	1011.8	960.5	..	26.1	19.3	15.3	16.8	52	..	0.5	..	0.1	0	0	1	00	0	0	0	1	0	0	0	30	0
	1730	464	1006.5	956.7	..	33.3	20.0	11.2	12.5	27	..	0.2	..	1.6	0	0	13	04	2	0	0	1	0	2	4	18	0
CUTTACK	0830	27	1012.4	1009.4	+0.3	27.4	24.4	22.9	28.1	77	+ 4	3.4	+0.9	4.3	0	0	23	00	0	2	0	10	6	5	0	8	0
	1730	27	1007.7	1004.7	+0.0	32.6	25.1	21.3	26.3	53	+12	2.9	+0.5	11.3	0	4	26	00	0	4	3	14	9	0	0	1	0
TITLAGARH	0830	211	1011.0	987.4	-0.8	28.2	26.1	23.6	29.3	77	+27	3.9	+2.5	2.0	0	0	31	00	1	0	1	0	27	0	2	0	0
	1730	211	1005.1	982.2	-1.2	35.8	28.4	25.3	32.6	57	+30	3.7	+1.8	2.0	0	0	31	00	15	0	5	1	9	0	1	0	0
BHUBANESWAR	0230	46	1009.0	1003.8	..	25.2	23.7	23.0	28.1	88	..	2.6	..	13.9	0	10	16	00	0	0	0	18	8	0	0	5	0
	0530	46	1009.5	1004.3	..	24.5	23.6	23.1	28.3	92	..	3.7	..	11.0	0	5	19	01	0	1	1	13	7	1	0	7	0
	0830	46	1011.8	1006.6	-0.2	27.1	24.3	23.0	28.1	78	+ 8	4.2	+1.9	13.0	0	9	17	00	1	1	2	11	11	0	0	5	0
	1130	46	1011.1	1006.0	..	32.8	24.3	20.0	21.4	48	..	2.9	..	12.5	0	7	22	01	4	2	1	10	8	1	2	2	0
	1430	46	1007.6	1002.6	..	35.2	24.3	18.3	23.4	38	..	2.9	..	18.3	0	15	15	00	2	5	3	14	5	1	0	1	0
	1730	46	1007.6	1002.3	-0.5	30.9	23.9	20.2	24.0	55	+ 7	4.0	+1.7	22.6	0	21	10	00	1	2	2	18	7	1	0	0	0
	2030	46	1010.1	1004.9	..	27.2	24.0	22.3	27.3	76	..	1.9	..	18.1	0	13	17	00	0	1	0	21	8	0	0	1	0
	2330	46	1010.2	1005.0	..	26.1	24.1	23.2	28.4	84	..	2.8	..	13.9	0	5	22	00	0	0	1	15	11	0	0	4	0
PURI	0830	6	1013.0	1012.3	+0.8	28.6	24.5	22.4	27.6	70	- 6	2.6	+0.0	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	6	1009.3	1008.6	+0.8	28.2	24.8	23.1	28.4	75	- 4	2.6	-0.1	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GOPALPUR	0530	17	1009.3	1007.4	..	24.2	22.9	22.3	26.9	89	..	2.3	..	12.4	0	11	15	01	0	0	0	4	18	2	1	5	0
	0830	17	1011.8	1009.8	-0.3	26.1	24.0	22.9	28.3	85	+10	2.8	+1.2	10.3	0	6	18	03	1	0	1	3	14	0	2	7	0
	1130	17	1011.4	1009.5	..	29.1	25.3	23.6	29.1	73	..	2.3	..	17.7	0	13	18	00	0	0	0	10	20	1	0	0	0
	1730	17	1008.0	1006.1	-0.4	27.3	25.1	24.0	30.0	82	+ 3	4.6	+2.0	22.3	0	19	12	00	0	0	0	7	23	1	0	0	0
	2330	17	1010.2	1008.3	..	25.9	24.6	24.0	30.0	89	..	2.0	..	19.7	0	17	12	00	0	0	0	6	23	0	0	2	0
KORAPUT	0830	913	1919.1	913.2	+0.8	24.9	18.0	13.4	15.0	48	-13	1.9	+0.6	14.6	0	0	31	01	1	0	6	1	20	0	2	0	0
	1730	913	1913.0	909.3	-0.1	30.7	18.4	8.6	12.2	28	-11	3.2	+0.7	16.9	0	1	29	04	1	0	4	2	8	2	9	1	0
PARADIP PORT	0830	11	1012.9	1012.0	..	28.1	25.9	25.0	31.7	83	..	1.2	..	19.9	0	16	15	00	0	0	0	16	14	0	1	0	0
	1730	11	1010.5	1009.6	..	28.0	25.8	24.8	31.3	83	..	0.8	..	28.9	0	27	4	00	1	0	0	20	9	1	0	0	0
ROURKELA	0830	196	1012.3	990.2	..	27.6	18.8	12.4	14.4	40	..	1.8	..	4.3	0	1	13	00	7	3	2	1	1	0	0	17	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – MARCH 1969 PHALGUNA 10, 1890 - CHAITRA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORRISA (CONTD)																											
KOURKELA	1730	196	1006.3	984.9	..	36.4	19.7	5..	8.9	16	..	2.5	..	11.7	0	11	11	01	1	0	1	0	3	11	5	9	0
BHOWANI PATNA	0830	267	..	..	..	31.0	23.6	19.6	22.0	54	..	2.2	..	3.4	0	0	31	01	1	0	5	10	11	0	3	0	0
	1730	267	..	..	..	37.2	22.0	11.6	13.7	23	..	3.8	..	3.9	0	0	30	02	9	5	3	0	3	1	7	1	0
BIHAR PLATEAU																											
DUMKA	0830	149	1011.7	994.8	+0.2	25.7	19.7	15.3	17.9	56	+ 9	1.4	+0.0	3.7	0	0	20	00	4	6	1	0	2	6	1	11	0
	1730	149	1007.0	990.5	+0.2	32.0	21.9	15.7	20.0	41	+10	0.8	-0.8	4.4	0	0	25	01	4	2	1	0	6	7	4	6	0
DALTONGANJ	0830	221	1014.1	989.1	+2.0	24.6	17.7	12.6	14.7	50	- 3	2.3	+0.5	2.3	0	0	19	00	3	0	0	2	11	1	2	12	0
	1730	221	1007.0	982.6	-0.1	32.2	20.4	11.7	14.8	31	+ 4	2.2	-0.1	5.3	0	0	28	01	1	0	0	0	5	1	20	3	0
HAZARIBAGH	0830	611	..	..	..	..	..	..	..	..	..	1.5	-0.4	5.0	0	0	26	03	0	0	0	5	7	3	8	5	0
	1730	611	1006.6	938.6	-1.7	31.4	16.1	1..	7.2	15	-12	2.0	-0.2	7.0	0	0	29	05	0	0	0	1	0	0	23	2	0
DHANBAD	0830	257	1011.1	982.1	-0.6	26.1	18.4	1..0	15.0	46	+ 7	0.6	-0.7	2.8	0	0	24	00	0	0	4	2	4	7	6	7	1
	1730	257	1005.8	977.7	..	33.5	19.7	7.9	11.7	23	..	1.5	..	3.4	0	0	23	00	1	0	1	0	3	2	16	8	0
RANCHI AERODROME	0530	652	1009.8	937.1	..	20.7	14.1	8.2	11.6	47	..	1.2	..	17.2	1	2	18	03	1	0	1	0	1	6	9	10	0
	0830	652	1011.1	939.4	-0.4	24.9	15.7	7.9	11.1	37	- 5	1.3	-0.6	8.1	0	2	19	03	1	0	1	2	5	3	6	10	0
	1130	652	1009.1	938.8	..	30.6	16.8	5.2	9.1	22	..	1.4	..	17.3	0	8	21	02	1	0	0	0	6	7	12	2	1
	1430	652	1005.3	935.7	..	32.6	17.0	3.2	9.0	18	..	1.8	..	25.8	0	22	9	01	1	0	0	2	2	11	14	0	0
	1730	652	1005.5	935.3	-1.0	31.2	16.5	3.4	8.1	19	-13	1.8	-1.0	18.1	0	11	19	01	0	0	0	0	1	8	20	1	0
JAMSHEDPUR	2030	652	1008.8	937.5	..	26.1	15.3	6.0	9.0	29	..	1.4	..	11.3	0	1	27	05	1	1	1	0	1	5	14	3	0
	0830	129	1011.7	997.0	-0.3	26.0	18.7	13.1	15.7	48	- 3	1.3	-0.3	2.1	0	0	21	02	0	2	2	0	0	9	6	10	0
JAMSHEDPUR P.B.O.	1730	129	1005.9	991.8	-0.7	35.2	19.9	7.2	10.8	20	- 7	1.3	-1.0	2.8	0	0	24	02	1	1	1	0	3	7	9	7	0
	0530	142	1009.5	993.2	..	21.4	17.3	14.1	16.9	65	..	1.5	..	0.9	0	0	4	00	0	3	1	0	0	0	0	27	0
	0830	142	1011.7	995.7	-0.1	26.2	18.6	12.6	15.6	46	- 2	2.1	+0.5	4.6	0	3	10	00	0	0	1	2	3	2	5	18	0
	1130	142	1010.4	994.7	..	33.2	19.6	8.0	12.1	24	..	1.7	..	6.5	0	1	20	02	1	1	2	4	4	1	6	10	0
	1430	142	1006.5	991.0	..	35.8	19.6	5.3	9.7	17	..	2.1	..	9.5	0	2	22	03	0	0	4	1	3	3	10	7	0
	1730	142	1005.6	990.1	-0.8	34.9	19.3	5.7	10.1	18	- 6	2.7	+0.3	5.8	0	1	17	06	0	0	2	0	0	2	8	13	0
	2030	142	1008.3	992.4	..	28.2	18.5	10.8	13.6	36	..	1.7	..	2.8	0	0	9	00	1	5	0	1	0	0	2	22	0
	2330	142	1009.1	993.1	..	25.8	18.3	12.5	15.3	46	..	1.0	..	5.8	0	1	15	01	2	8	0	1	1	2	1	15	0
CHAIBASA	0830	226	1011.7	986.3	+0.0	27.6	19.3	13.1	15.7	43	-15	2.1	-0.2	1.5	0	0	19	00	5	0	2	0	12	0	0	12	0
	1730	226	1005.6	980.9	-0.8	34.6	19.3	6.8	9.9	19	-15	3.2	+0.4	2.4	0	0	21	01	6	0	0	0	5	0	9	10	0
BIHAR PLAINS																											
MOTIHARI	0830	66	1011.3	1003.7	+0.3	22.5	17.9	14.6	16.8	62	+ 5	0.8	-0.5	3.8	0	0	24	00	2	10	2	0	0	8	2	3	0
	1730	66	(R)																								
FORBESGANJ	0830	61	1011.5	1004.5	+0.0	23.2	19.0	16.2	18.5	65	+ 4	1.5	-0.3	5.2	0	0	31	01	2	21	1	0	1	4	1	0	0
	1730	61	1006.8	1000.0	+0.0	29.1	21.5	17.0	19.7	49	+12	1.3	-0.6	3.2	0	0	22	01	2	6	1	0	1	11	0	9	0
DARBHANGA	0830	49	1012.0	1006.4	+0.7	26.7	19.5	14.4	16.3	48	- 8	0.6	-0.9	3.6	0	0	18	00	1	6	4	0	1	5	1	13	0
	1730	49	1006.4	1001.9	+0.4	31.8	23.1	16.3	19.4	44	+ 7	0.4	-0.9	1.4	0	0	12	00	3	1	2	0	0	5	1	19	0
MUZAFFARPUR	0830		..	..	..	23.5	17.9	13.7	16.0	56	..	0.6	..	5.0	0	0	24	01	0	6	2	1	3	10	1	7	0
	1730		..	..	..	29.4	20.4	14.3	16.6	42	..	0.5	..	1.4	0	0	12	00	4	2	0	0	1	5	0	19	0
CHAPRA	0830	58	1011.2	1004.6	..	23.4	17.3	12.4	14.5	52	..	0.6	..	2.7	0	0	28	00	5	0	6	0	15	0	2	3	0
	1730	58	1006.8	1000.4	..	32.1	19.7	9.8	12.3	28	..	0.7	..	3.0	0	0	25	00	2	0	4	0	11	0	8	6	0
PURNEA	0830	38	1011.5	1007.2	+0.0	23.8	18.4	14.3	16.8	58	+ 2	1.8	-0.2	1.9	0	0	26	00	0	13	0	2	6	5	0	5	0
	1730	38	1006.9	1002.7	-0.1	29.6	21.1	15.5	18.1	44	+ 7	1.3	+0.1	1.4	0	0	18	01	0	7	2	1	2	5	0	13	0
PATNA	0830	53	1011.2	1005.2	-0.1	24.1	17.5	12.2	14.7	51	+ 6	1.1	-0.6	7.8	0	0	30	01	7	2	0	1	9	9	1	1	0
	1730	53	1006.8	1001.0	-0.2	32.0	20.0	10.6	13.7	30	+ 3	1.0	-1.0	5.7	0	0	31	00	8	0	0	0	2	18	3	0	0
PATNA AERODROME	0230	60	1008.4	1001.5	..	20.7	16.4	12.9	15.2	63	..	1.5	..	4.6	0	0	15	01	0	7	0	0	0	7	0	16	0
	0530	60	1008.4	1001.5	..	19.0	15.3	12.2	14.4	66	..	1.4	..	4.3	0	0	19	01	1	6	1	2	4	4	0	12	0
	0830	60	1010.8	1003.9	-0.3	23.9	17.6	12.8	15.1	52	+ 3	1.5	+0.2	9.5	0	0	30	00	1	7	1	1	6	10	4	1	0
	1130	60	1010.4	1003.7	..	30.9	20.1	12.1	14.7	34	..	1.1	..	12.1	0	4	27	03	2	5	0	0	2	13	6	0	0
	1430	60	1007.0	1000.4	..	33.8	20.3	10.1	13.2	27	..	1.5	..	13.0	0	5	26	03	2	4	1	0	1	10	10	0	0
	1730	60	1006.1	999.5	-0.5	32.4	20.0	10.5	13.3	28	+ 0	1.3	-0.2	9.2	0	0	30	01	3	3	0	0	1	12	10	1	0
	2030	60	1008.2	1001.5	..	25.4	18.6	13.7	15.9	50	..	1.2	..	2.9	0	0	10	00	2	4	0	0	0	4	0	21	0
	2330	60	1009.0	1002.1	..	22.7	17.3	13.3	15.4	57	..	1.2	..	4.3	0	0	14	01	1	7	0	0	2	2	1	17	0
BHAGALPUR	0530	49	1008.9	1003.3	..	20.5	16.6	13.3	16.0	66	..	1.7	..	4.9	0	2	23	01	2	7	2	6	3	3	1	6	0
	0830	49	1011.3	1005.7	-0.4	25.0	18.4	13.3	16.2	52	- 1	2.3	+0.6	4.7	0	1	23	00	4	5	4	0	4	7	0	7	0
	1130	49	1010.6	1005.2	..	31.7	20.9	13.3	15.8	35	..	1.8	..	7.9	0	1	29	01	3	6	2	0	3	12	3	1	0
	1730	49	1006.5	1001.0	-0.8	30.6	20.3	12.5	14.7	36	- 3	1.8	+0.1	5.8	0	1	29	02	4	6	0	1	2	8	7	1	0
	2330	49	1009.5	1003.9	..	24.3	18.2	13.2	16.3	54	..	0.9	..	4.9	0	1	28	00	1	8	9	4	5	2	0	2	0
SABAUR	0830	37	1011.5	1007.2	+0.1	24.0	18.6	14.7	17.3	59	+ 4	1.7	-0.1	5.1	0	0	24	03	2	7	1	1	4	5	1	7	0
	1730	37	1006.7	1002.5	-0.2	31.0	21.8	16.1	19.2	44	+ 7	1.5	-0.1	4.6	0	1	23	06	2	3	0	0	0	4	9	7	0
JAMUI	0830		(R)																								

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MARCH 1969 PHALGUNA 10, 1890 - CHAITRA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Kms. per hour	No. of observations												
			At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Kms. P.H.)			Wind direction									
															32 or more	20 to 31	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BIHAR PLAINS (CONTD.)																											
JAMUI	1730		(R)																								
DEHRI	0830	107	1011.0	998.8	-0.3	27.3	18.6	11.7	14.0	40	- 5	1.3	-0.6	3.2	0	0	31	00	5	0	1	6	13	5	1	0	0
	1730	107	1006.0	994.2	-0.6	33.6	20.3	10.8	12.9	25	- 1	1.2	-0.6	4.4	0	0	30	06	5	1	0	0	1	14	3	1	0
GAYA	0230	116	1009.3	995.9	..	20.5	16.1	12.5	15.0	62	..	1.5	..	3.6	0	0	21	01	4	2	5	5	3	1	0	10	0
	0530	116	1009.7	996.3	..	18.8	15.2	12.2	14.7	67	..	1.4	..	4.6	0	0	26	00	2	3	11	8	1	1	0	5	0
	0830	116	1011.5	998.3	-0.2	26.4	19.6	14.7	17.4	51	+11	1.4	-0.2	7.4	0	2	26	00	1	2	4	12	7	2	0	3	0
	1130	116	1010.5	997.7	..	33.8	22.8	15.8	19.1	37	..	1.3	..	13.7	0	7	23	00	1	1	2	0	9	15	2	1	0
	1430	116	1007.3	994.6	..	35.5	23.4	15.6	19.3	34	..	1.9	..	23.0	0	18	13	02	1	0	0	0	1	17	10	0	0
	1730	116	1006.7	993.9	-0.4	33.6	22.5	15.1	18.5	36	+16	1.4	-0.3	13.4	0	6	25	03	1	0	0	0	1	11	15	0	0
	2030	116	1009.0	995.9	..	26.7	19.3	13.9	15.8	47	..	1.0	..	6.0	0	1	22	03	6	0	1	0	5	6	2	8	0
	2330	116	1009.7	996.4	..	23.3	17.5	13.0	15.6	54	..	1.3	..	5.4	0	1	23	01	8	2	3	4	3	3	0	7	0
SUPAUL	0830		..	..	..	19.4	18.0	17.3	19.7	86	..	.	..	4.1	0	0	17	00	0	14	0	0	0	3	0	11	0
	1730		..	..	..	22.8	22.1	21.8	26.1	94	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
UTTAR PRADESH EAST																											
KHERI	0830	147	1010.3	993.3	-0.9	20.6	16.1	12.5	14.7	61	- 4	1.1	-0.4	6.1	0	0	28	00	0	4	0	0	1	23	0	3	0
	1730	147	1005.7	989.4	-1.6	31.5	19.9	11.5	13.9	31	- 8	1.4	-0.5	5.3	0	0	28	00	0	3	0	0	0	25	0	3	0
BAHRAICH	0830	124	1011.2	997.0	+0.4	22.3	16.6	12.9	14.5	54	- 1	1.1	-0.6	7.3	0	1	26	00	2	2	4	0	4	6	9	4	0
	1730	124	1006.5	992.7	-1.2	32.0	18.8	7.9	11.2	23	- 9	1.9	-0.1	11.9	1	0	25	01	2	0	0	0	1	11	11	5	0
NAUTANWA	0830	99	1010.8	999.4	-0.8	22.4	16.9	12.6	14.9	55	-10	0.7	-0.5	2.8	0	0	23	01	0	7	8	1	1	2	3	8	0
	1730	99	1006.3	995.4	-1.5	31.3	19.3	10.9	13.5	30	- 6	0.7	-0.5	1.9	0	0	18	00	0	2	2	0	3	6	5	13	0
HARDOI	0830	142	1011.3	995.0	-0.1	22.8	17.2	13.0	14.8	54	- 6	0.3	-1.4	3.5	0	0	29	01	1	3	0	0	2	19	3	2	0
	1730	142	1007.3	991.6	+0.0	30.5	18.7	9.3	12.2	28	- 3	0.6	-1.3	2.9	0	0	29	01	1	2	0	0	1	23	1	2	0
GONDA	0830	110	1011.6	998.7	-0.2	23.8	17.8	13.5	15.6	53	+ 1	0.9	-0.7	3.7	0	0	28	00	3	5	0	0	0	7	13	3	0
	1730	110	1006.7	994.4	-1.0	31.0	20.5	12.6	15.0	32	+ 1	1.3	-0.4	2.5	0	0	22	02	0	0	0	0	0	4	16	9	0
LUCKNOW	0830	111	1010.9	998.1	-0.6	21.3	15.8	11.2	13.6	54	+ 3	0.9	-0.7	0.6	0	0	8	00	0	0	0	0	0	7	0	23	1
	1730	111	1006.3	994.1	-1.2	33.0	18.8	6.8	10.2	21	- 7	1.2	-0.4	0.9	0	0	13	00	0	0	0	0	0	13	0	18	0
LUCKNOW(AMOUSI)	0230	128	1008.5	993.7	..	18.9	14.3	10.2	12.7	56	..	0.7	..	5.9	0	0	19	03	0	2	1	0	0	7	6	12	0
	0530	128	1009.0	994.0	..	17.1	13.5	10.4	13.0	66	..	1.0	..	8.0	0	1	27	01	2	2	1	0	2	11	9	3	0
	0830	128	1011.0	996.3	-0.3	22.5	16.2	11.1	13.4	49	- 3	1.4	-0.3	11.5	0	4	26	01	3	2	0	1	2	12	9	1	0
	1130	128	1010.6	996.4	..	31.2	19.0	9.5	12.1	27	..	1.4	..	16.3	0	13	18	04	1	2	0	1	3	7	13	0	0
	1430	128	1007.5	993.4	..	33.9	18.9	6.6	10.1	20	..	1.6	..	22.2	0	17	13	04	0	2	0	1	0	7	16	0	0
	1730	128	1006.3	992.2	-1.0	32.9	18.7	6.6	10.1	20	- 9	1.7	-0.3	16.0	0	10	21	02	1	0	0	1	1	8	18	0	0
	2030	128	1008.5	994.0	..	24.5	16.6	10.0	14.9	40	..	1.1	..	13.8	1	0	26	03	1	1	0	0	0	15	6	5	0
	2330	128	1009.3	994.7	..	21.3	15.1	9.7	12.4	49	..	0.9	..	7.6	0	0	25	01	1	3	1	0	0	13	6	6	0
FAIZABAD	0830	102	1011.0	999.4	-0.5	23.2	17.0	12.1	14.3	51	- 3	1.4	-0.5	3.2	0	0	21	00	1	5	1	0	0	13	1	10	0
	1730	102	1006.8	995.3	-1.1	31.2	19.7	11.3	13.8	30	- 6	1.7	-0.5	2.4	0	0	21	00	2	0	0	0	0	18	1	10	0
GORAKHPUR	0830	77	1011.0	1002.1	+0.0	23.9	17.4	12.6	14.9	50	- 1	1.0	-0.5	2.5	0	0	26	01	1	7	0	1	3	10	3	5	0
	1730	77	1006.4	997.8	-0.5	32.9	20.3	11.2	13.8	29	- 1	1.2	-0.3	2.6	0	0	29	01	0	1	1	0	2	20	4	2	0
GORKHPUR P.B.O.	0230	78	1008.3	999.3	..	22.7	16.7	12.1	14.6	54	..	0.5	..	3.5	0	0	17	00	1	4	0	0	2	10	0	14	0
	0530	78	1008.6	999.6	..	21.1	15.6	11.6	14.1	57	..	0.8	..	5.0	0	0	22	00	2	4	1	1	4	7	3	9	0
	1130	78	1010.5	1001.7	..	29.7	18.8	12.1	14.5	35	..	1.0	..	7.7	0	1	28	01	3	1	4	3	5	9	3	2	0
	1430	78	1007.1	998.4	..	32.0	18.7	10.1	12.8	27	..	1.3	..	9.8	0	3	27	00	0	2	2	3	4	11	8	1	0
	2030	78	1008.3	999.4	..	27.2	18.1	12.3	14.9	41	..	0.5	..	3.7	0	0	20	01	2	1	0	1	6	6	3	11	0
	2330	78	1008.9	999.9	..	24.7	17.4	12.7	15.3	50	..	0.5	..	4.5	0	1	16	00	1	2	1	0	3	7	3	14	0
KANPUR	0830		(R)																								
	1730		(R)																								
KANPUR (AERODROME)	0530	126	1009.4	994.9	+1.0	18.3	13.3	8.6	11.4	55	+26	1.5	-0.1	6.8	0	0	23	01	2	2	0	0	1	7	10	8	0
	0830	126	1011.4	997.0	..	23.6	16.1	9.8	12.4	43	..	1.8	..	11.2	0	3	24	03	0	3	1	2	2	11	5	4	0
	1130	126	1011.1	997.1	..	32.1	19.2	8.9	11.7	25	..	1.6	..	14.0	0	4	27	03	1	1	2	0	2	10	12	0	0
	1730	126	1006.9	993.1	..	33.3	18.7	6.1	9.8	19	..	2.2	..	16.9	0	5	26	03	0	0	1	0	0	4	23	0	0
	2330	126	1011.7	995.3	..	23.[illegible]	15.5	8.0	11.0	39	..	1.1	..	7.9	0	0	25	04	1	1	2	0	1	4	12	6	0
SULTANPUR	0830	97	1011.2	1000.2	-1.3	25.6	19.6	15.4	18.1	55	+ 7	1.0	-0.5	3.2	0	0	27	00	1	5	0	0	1	16	4	4	0
	1730	97	1006.5	995.7	-2.1	33.6	22.6	15.4	18.8	36	+ 9	1.6	-0.3	3.3	0	0	26	00	0	1	0	0	0	19	6	5	0
AZAMGARH	0830	78	1010.8	1001.9	+0.0	24.4	18.4	13.9	16.5	54	- 3	0.9	-0.4	4.9	0	0	29	00	2	5	0	0	5	16	0	2	1
	1730	78	1006.4	997.8	-0.5	33.4	21.3	13.2	15.7	31	- 8	0.7	-0.2	4.4	0	0	27	02	0	2	0	0	0	15	8	4	0
FATEHPUR	0830	114	..	..	..	23.2	16.4	10.9	13.3	47	+ 0	1.3	-0.1	5.2	0	0	29	02	2	7	0	0	0	16	2	2	0
	1730	114	..	..	..	34.2	20.0	9.3	11.9	22	- 4	1.4	-0.3	6.2	0	0	31	04	1	4	0	1	0	15	6	0	0
BALLIA	0830	64	1011.6	1004.4	-0.3	23.6	17.9	13.9	16.4	57	+ 3	1.1	-0.8	2.6	0	0	25	00	1	6	0	0	7	9	2	6	0
	1730	64	1007.5	1000.5	-1.2	31.0	22.2	12.9	14.0	49	+19	1.5	-0.2	1.2	0	0	18	00	1	3	0	0	0	10	4	13	0
BANDA	0830	121	1014.2	1000.4	+2.2	27.2	18.5	12.1	14.5	40	- 8	0.8	-0.4	1.6	0	0	24	00	0	0	0	0	24	0	0	7	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — MARCH ,1969(PHALGUNA 10,1890 - CHAITRA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.) 62 or more	Wind Speed (Km. p. h.) 20 to 61	Wind Speed (Km. p. h.) 1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																											
BANDA	1730	121	1010.8	997.3	+3.1	35.5	23.6	16.3	19.4	34	+ 3	1.7	+0.2	2.1	0	0	28	00	2	0	0	0	25	1	0	3	0
ALLAHABAD(BAMHRAULI)	0230	98	1008.7	997.4	..	21.4	15.0	9.3	12.0	47	..	1.3	..	1.4	0	0	9	00	0	2	1	0	0	2	4	22	0
	0530	98	1009.3	997.9	..	19.3	14.0	9.2	12.1	53	..	1.3	..	1.0	0	0	13	00	0	3	0	1	4	4	1	18	0
	0830	98	1011.3	1000.1	-0.4	24.7	16.3	8.9	11.8	38	- 6	1.8	+0.1	3.5	0	0	26	00	1	1	1	2	8	11	2	5	0
	1130	98	1010.8	1000.0	..	33.6	19.5	8.2	11.2	22	..	1.6	..	8.8	0	1	30	01	1	0	1	0	3	18	7	0	0
	1430	98	1007.5	996.8	..	36.7	20.2	7.2	10.6	17	..	1.9	..	13.7	0	4	27	04	1	1	0	0	0	7	18	0	0
	1730	98	1006.7	995.9	-0.8	34.9	19.4	6.6	10.1	18	- 5	1.6	-0.3	10.2	0	2	28	06	0	1	0	0	0	7	17	1	0
	2030	98	1008.5	997.4	..	27.5	17.9	10.4	12.8	35	..	1.2	..	4.0	0	0	14	08	0	0	1	0	0	4	7	17	0
	2330	98	1009.3	998.1	..	24.3	16.0	9.0	11.7	39	..	1.4	..	1.9	0	0	13	02	1	1	2	0	1	8	3	18	0
VARANASI(BABATPUR)	0530	85	1009.4	999.4	..	19.2	13.9	8.6	11.9	52	..	1.4	..	5.2	0	1	18	01	1	3	0	2	7	3	2	12	0
	0830	85	1011.6	1001.7	-0.6	24.8	16.4	8.8	12.1	39	- 5	1.5	-0.4	10.[illegible]	[illegible]	[illegible]	[illegible]	01	0	3	[illegible]	0	16	[illegible]	2	1	1
	1130	85	1011.2	1001.4	..	32.5	18.5	5.9	10.0	21	..	1.2	..	16.4	0	6	24	00	0	2	0	1	3	18	6	1	0
	1730	85	1006.7	997.2	-1.1	33.8	18.0	2.8	7.9	15	-11	1.6	-0.4	13.8	0	1	30	08	0	1	0	0	0	19	8	0	1
	2330	85	1009.5	999.6	..	23.3	15.6	8.4	11.6	41	..	1.1	..	6.[illegible]	0	1	18	01	3	2	0	0	1	12	0	12	0
VARANASI	0830	76	1011.3	1002.6	-0.2	25.4	18.3	13.1	15.9	40	+ 2	1.5	-0.1	1.6	0	0	19	00	0	1	0	0	1	16	1	12	0
	1730	76	1006.6	998.1	-0.9	34.1	20.6	10.3	13.3	25	+ 1	1.3	-0.3	1.9	0	0	26	00	0	1	0	0	0	17	8	5	0
UTTAR PRADESH WEST																											
MUKHIM	0830		..	..	..	15.5	9.3	3.2	7.0	46	- 5	1.3	..	1.7	0	0	14	01	2	6	2	0	0	1	2	17	0
	1730		..	..	..	16.6	10.3	4.3	8.5	46	- 1	1.6	..	1.5	0	0	12	00	1	3	2	1	0	1	4	19	0
TEHRI	0830		..	..	..	15.4	12.6	10.2	12.6	72	- 1	1.4	-1.1	0.3	0	0	4	08	1	0	0	0	0	0	0	27	0
	1130		..	..	..	23.0	15.2	8.9	11.6	41	..	1.5	..	1.7	0	0	16	03	4	6	0	0	0	3	0	15	0
	1730		..	..	..	27.6	15.9	5.8	9.5	27	- 7	1.9	-1.2	5.1	0	0	27	01	2	4	5	11	1	3	0	4	0
DEHRA DUN	0530	682	1010.4	933.1	..	15.6	12.8	10.4	12.7	72	..	1.0	..	0.2	0	0	2	01	1	0	0	0	0	0	0	29	0
	0830	682	1011.4	934.6	-0.3	18.6	14.8	12.0	14.1	65	+ 7	1.3	-1.7	0.1	0	0	1	01	0	0	0	0	0	0	0	30	0
	1130	682	1010.1	935.4	..	26.2	18.7	14.0	15.8	48	..	1.6	..	1.7	0	0	12	00	0	0	3	4	2	3	0	19	0
	1730	682	1006.3	932.1	-0.8	27.5	19.6	14.9	17.3	47	+ 9	2.0	-1.1	3.7	0	0	21	01	0	0	0	2	7	10	1	10	0
	2330	682	1010.6	933.9	..	18.7	14.9	12.1	14.2	66	..	1.0	..	2.3	0	0	16	04	9	0	0	1	1	1	0	15	0
MANSIARI	0830		(R)																								
	1730		(R)																								
ROURKEE	0830	274	1011.9	980.3	+0.3	19.5	15.3	11.9	14.1	62	+ 0	1.3	-1.3	0.7	0	0	11	00	0	0	5	0	0	0	6	20	0
	1730	274	1008.3	978.0	+0.5	29.9	18.7	10.1	12.6	30	- 2	1.4	-1.5	1.5	0	0	23	00	0	0	5	0	1	0	17	8	0
NAJIBABAD	0830	270	1011.6	980.4	-0.3	18.3	15.0	12.4	14.6	69	+ 4	1.4	-0.3	1.6	0	0	15	00	1	2	2	2	0	4	4	16	0
	1730	270	1007.4	977.6	-0.2	30.2	18.5	9.1	11.9	28	- 5	1.1	-0.7	5.4	0	0	29	00	0	3	1	0	0	14	11	2	0
MEERUT	0830	222	1011.0	985.6	-0.9	21.5	16.9	13.7	15.8	62	+ 6	0.0	-1.1	3.5	0	0	20	00	0	1	0	0	1	9	9	11	0
BAREILLY	0830	173	1011.1	991.2	-0.4	21.3	16.9	13.7	15.8	62	+ 7	1.1	-1.0	6.4	0	0	29	00	3	2	0	1	5	14	4	2	0
	1730	173	1006.5	987.3	-1.1	31.3	19.0	9.2	12.0	27	- 2	1.8	-0.7	4.6	0	0	29	02	0	4	0	0	3	18	2	2	0
BAREILLY P.B.O.	0230	172	1008.8	989.0	..	20.8	15.3	11.5	13.7	56	..	1.3	..	6.3	0	0	27	01	0	1	0	0	0	14	11	4	0
	0530	172	1008.9	989.0	..	18.6	14.5	11.6	13.8	64	..	1.4	..	5.5	0	0	27	02	1	1	1	0	1	18	6	4	0
	1130	172	1010.6	991.2	..	28.0	18.9	12.9	15.1	40	..	1.5	..	8.4	0	0	30	00	2	3	0	0	1	14	10	1	0
	1430	172	1007.5	988.4	..	31.2	18.5	10.0	12.6	28	..	2.0	..	10.6	0	1	30	02	0	3	0	0	0	13	13	0	0
	2030	172	1008.6	989.1	..	25.5	17.1	11.6	14.0	45	..	1.3	..	5.2	0	0	27	02	1	1	0	0	0	20	3	4	0
	2330	172	1009.3	989.6	..	23.0	15.7	11.2	13.1	50	..	1.4	..	5.2	0	0	26	05	1	0	0	0	0	13	7	5	0
ALIGARH	0830	187	1012.4	990.5	+0.2	20.1	15.2	11.1	13.4	57	+ 5	1.5	-0.3	3.9	0	0	27	00	3	0	0	2	0	21	1	4	0
	1730	187	1008.0	986.7	-0.6	31.0	18.6	8.3	11.5	26	+ 1	2.3	+0.0	4.4	0	0	30	01	0	1	0	1	1	19	7	1	0
MAINPURI	0830	157	1011.5	993.4	-0.3	22.1	16.7	12.5	14.6	54	+ 2	1.1	-0.8	3.2	0	0	27	00	[illegible]	2	0	0	0	[illegible]	[illegible]	4	0
	1730	157	1007.5	990.4	-0.2	32.5	20.1	11.0	13.6	28	- 1	1.4	-0.8	4.4	0	0	30	[illegible]	0	1	0	0	0	[illegible]	[illegible]	1	0
AGRA	0830	169	1012.3	992.9	+0.0	22.6	16.6	11.8	14.0	51	+ 4	0.6	-1.0	0.7	0	0	6	[illegible]	1	0	1	0	1	0	3	25	0
	1730	169	1007.7	989.0	-0.5	32.9	21.5	13.8	16.2	32	+ 8	1.4	-0.5	5.9	0	0	27	[illegible]	7	0	1	0	4	0	15	4	0
AGRA AERODROME	0230	169	1010.1	990.5	..	19.1	15.0	11.7	14.0	63	..	1.0	..	4.2	0	0	15	04	3	4	1	1	0	2	0	10	0
	0530	169	1010.5	990.8	..	16.8	13.8	11.2	13.6	69	..	1.4	..	4.5	0	1	16	08	1	1	0	0	1	1	4	14	0
	0830	169	1012.3	992.9	..	22.1	16.6	12.5	14.7	56	..	1.[illegible]	..	7.[illegible]	0	1	25	04	1	2	0	1	1	11	6	9	0
	1130	169	1011.9	993.0	..	30.9	20.4	13.2	15.5	37	..	1.4	..	10.3	0	2	27	06	1	1	2	0	3	9	7	2	0
	1730	169	1007.5	988.9	..	33.0	21.0	12.7	15.1	31	..	2.1	..	12.1	0	2	28	15	3	1	1	0	0	2	8	1	0
	2330	169	1010.2	990.8	..	22.2	16.9	13.1	15.3	56	..	1.1	..	5.2	0	0	17	07	2	2	2	1	0	2	1	14	0
ORAI	0830	141	1013.1	997.3	+0.8	30.2	21.6	16.5	19.0	45	- 4	0.3	-1.1	3.5	0	0	29	[illegible]	7	0	0	0	0	1	18	2	0
	1730	141	1007.5	992.0	-0.6	34.1	25.6	21.5	25.8	40	+17	0.1	-1.4	3.5	0	0	31	[illegible]	7	0	0	0	0	3	10	0	0
JHANSI	0830	251	1012.9	984.3	+0.6	22.7	16.5	11.7	14.0	48	+12	0.6	-0.7	0.8	0	0	6	01	0	0	0	2	0	3	0	25	0
	1730	251	1006.6	979.1	-0.8	34.3	20.1	9.3	12.5	25	+ 7	1.5	-0.2	24.1	1	0	13	01	1	0	0	3	0	7	2	17	0
MORADABAD	0830	198	000.0	987.9	..	20.1	16.4	13.4	15.6	66	..	0.5	..	5.1	0	0	28	01	2	1	1	0	5	0	18	3	0
	1730	198	000.0	983.8	..	30.2	22.0	17.3	20.0	47	..	0.5	..	7.2	0	0	30	00	5	1	0	0	4	0	20	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MARCH 1969 PHALGUNA 10, 1890 - CHAITRA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST(CONTD.)																											
UTTAR KASHI	0830		..		..	12.0	8.9	5.9	9.3	67	..	0.3	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	22.9	14.6	7.6	10.9	43	..	0.5	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ASCOT	0830		..	..	..	14.9	11.2	8.2	11.1	66	..	0.7	..	1.8	0	0	22	00	8	6	6	2	0	0	0	9	0
	1730		..	..	..	20.7	13.8	8.5	11.3	48	..	3.4	..	1.7	0	0	18	01	2	1	2	1	4	4	3	13	0
DHARCHULA	0830		..	..	..	..	..	..	..	..	..	0.6	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730		..	..	..	..	..	..	..	..	..	2.8	..	0.3	0	0	2	00	0	0	0	0	0	0	2	29	0
HARYANA(INCLUDING DELHI AND CHANDIGARH)																											
CHANDIGARH	0830	347	1010.4	970.4	-1.3	19.9	14.4	9.6	12.1	53	+ 1	1.3	-0.2	1.1	0	0	8	00	1	0	1	0	0	0	6	23	0
	1730	347	1007.3	968.4	-1.0	28.0	17.1	7.6	10.9	29	- 8	1.0	-0.4	3.4	0	0	30	00	0	0	3	0	4	0	23	1	0
AMBALA	0830	272	1011.5	980.2	+0.2	20.1	15.7	12.2	14.3	61	+ 0	1.0	-1.1	2.1	0	0	31	00	4	0	3	0	3	0	21	0	0
	1730	272	1007.9	977.7	-0.1	28.6	18.4	11.0	13.5	36	+ 3	0.8	-1.3	2.3	0	0	29	00	0	0	2	0	1	0	26	2	0
AMBALA P.B.O.	0230	278	1009.9	977.9	..	19.7	17.1	15.7	18.0	78	..	0.5	..	5.9	0	0	25	00	1	0	0	0	0	0	24	6	0
	0530	278	1009.6	977.4	..	17.8	15.6	14.4	16.5	81	..	1.6	..	5.7	0	0	25	00	1	0	1	0	0	0	23	6	0
	1130	278	1011.0	979.8	..	27.0	21.0	18.3	21.2	59	..	1.9	..	7.1	0	0	25	00	0	0	5	0	0	1	19	6	0
	1430	278	1008.5	977.5	..	28.9	22.0	18.9	22.0	56	..	2.2	..	8.8	0	0	28	00	0	0	3	1	0	3	21	3	0
	2030	278	1009.3	978.0	..	24.0	20.3	18.5	21.5	72	..	0.5	..	6.3	0	0	23	01	1	0	0	0	0	2	19	8	0
	2330	278	1010.1	978.3	..	21.8	18.6	16.9	19.5	74	..	0.7	..	9.5	0	1	25	00	0	0	2	0	0	0	24	5	0
AMBALA AERODROME	0530	274	1009.7	977.7	..	15.1	13.3	11.7	13.9	82	..	1.6	..	8.8	0	0	22	00	1	1	2	0	0	11	7	9	0
	0830	274	1011.0	979.4	..	18.9	15.3	12.3	14.5	66	..	2.1	..	11.5	0	0	25	01	0	1	2	1	0	10	10	6	0
	1130	274	1010.8	980.1	..	27.9	19.2	13.1	15.3	41	..	2.2	..	16.7	0	10	19	00	0	2	1	2	0	10	13	2	1
	1730	274	1007.4	976.9	..	28.5	19.7	13.7	16.0	41	..	2.2	..	19.5	0	13	17	00	0	0	2	1	1	16	9	1	1
	2330	274	1010.2	978.6	..	19.1	16.0	13.6	15.7	72	..	1.5	..	12.7	0	1	26	00	0	1	2	0	0	16	8	4	0
KARNAL	0830	249	1011.6	982.9	+0.1	20.2	16.1	12.8	15.0	63	- 1	0.9	-1.4	3.3	0	0	28	00	0	3	0	0	0	21	4	3	0
	1730	249	1007.5	979.8	-0.7	29.2	18.9	11.0	13.5	33	+ 0	0.7	-2.0	4.8	0	0	30	01	0	3	0	0	0	21	5	1	0
HISSAR	0530	221	1010.5	984.8	..	17.9	15.8	14.3	16.5	80	..	0.6	..	4.1	0	0	24	02	1	2	2	3	8	3	3	7	0
	0830	221	1012.5	987.0	-0.2	19.8	16.9	15.1	17.4	74	+15	1.5	-0.1	5.1	0	1	25	01	0	1	2	7	5	8	2	5	0
	1130	221	1011.9	987.2	..	29.5	22.9	19.4	23.1	55	..	1.7	..	5.5	0	0	26	04	0	3	2	1	3	10	3	5	0
	1430	221	1009.3	984.8	..	32.6	24.8	20.6	25.4	49	..	1.8	..	9.4	0	1	27	06	0	1	1	1	4	6	9	3	0
	1730	221	1008.0	983.6	-0.8	31.6	23.8	20.7	25.1	53	+21	1.8	-0.1	8.0	0	0	29	08	0	1	2	0	2	4	12	2	0
NEW DELHI/SAFDARJUNG	2330	221	1010.7	985.4	..	21.1	18.3	16.5	18.9	76	..	0.5	..	5.2	0	1	24	06	3	6	1	0	2	4	3	6	0
	0230	216	1010.1	985.1	..	20.0	15.3	11.6	13.8	59	..	1.1	..	7.7	0	1	25	03	0	1	1	0	2	10	9	5	0
	0530	216	1010.2	985.1	..	18.4	14.3	10.8	13.2	62	..	1.0	..	8.2	0	1	29	00	2	0	0	2	4	15	7	1	0
	0830	216	1011.9	987.0	+0.1	20.7	15.2	10.6	12.9	53	+ 6	1.3	-0.9	10.9	0	1	29	00	1	2	1	0	5	15	6	1	0
	1130	216	1011.7	987.5	..	29.1	18.6	10.5	12.9	32	..	1.7	..	14.4	0	7	22	00	3	1	0	1	1	9	13	2	1
	1430	216	1008.8	984.8	..	31.7	18.5	7.5	10.7	24	..	1.8	..	18.9	0	15	15	01	2	1	0	2	0	9	15	1	0
	1730	216	1007.6	983.6	-0.3	31.1	18.4	7.5	10.8	25	+ 4	2.5	-0.2	15.6	0	5	26	01	2	1	1	0	0	1	25	0	0
	2030	216	1009.3	984.8	..	25.3	17.1	10.5	12.8	41	..	1.8	..	7.7	0	1	29	03	3	2	0	0	1	1	20	1	0
	2330	216	1010.4	984.1	..	23.0	18.3	12.2	15.0	66	..	1.4	..	8.8	0	2	26	05	1	2	0	0	1	4	15	3	0
PALAM AERODROME	0230	233	1010.5	983.6	..	18.6	14.6	11.2	13.5	64	..	1.0	..	7.2	0	1	21	02	3	0	3	0	7	5	2	9	0
	0530	233	1010.6	983.5	..	16.4	12.4	10.8	13.1	71	..	1.0	..	8.4	0	0	28	02	2	1	1	1	12	9	0	3	0
	0830	233	1012.1	985.3	..	20.2	15.1	10.8	13.2	56	..	1.4	..	9.4	0	1	28	01	0	1	3	0	4	14	6	2	0
	1130	233	1011.7	985.7	..	29.4	18.5	9.8	12.5	32	..	1.6	..	14.3	0	5	26	07	1	2	1	0	1	7	12	0	0
	1430	233	1008.9	983.2	..	32.3	18.5	6.2	10.2	23	..	1.7	..	19.1	0	14	17	07	0	3	0	0	2	1	18	0	0
	1730	233	1007.8	982.1	..	31.7	18.7	7.4	11.1	25	..	2.0	..	15.7	0	6	24	16	1	3	1	0	0	0	9	1	0
	2030	233	1009.6	983.3	..	25.7	17.0	9.5	12.4	39	..	1.6	..	8.6	0	0	29	11	9	1	1	1	0	2	4	2	0
	2330	233	1010.4	983.8	..	21.7	16.0	11.3	13.6	53	..	1.1	..	6.8	0	1	23	06	5	3	2	0	1	2	5	7	0
GURGAON	0830		..	..	..	20.3	14.2	8.4	11.4	48	..	1.6	..	2.8	0	0	20	00	1	1	1	1	1	14	1	10	0
NARNAUL	1730		..	..	..	30.6	18.1	7.6	10.8	26	..	2.1	..	6.8	0	1	25	00	1	2	1	0	3	15	4	2	0
	0830		(R)																								
ROHTAK	1730		(R)																								
	0830		..	..	..	20.1	15.6	11.8	14.1	60	..	2.5	..	6.8	0	0	29	01	1	1	0	2	10	11	3	2	0
	1730		..	..	..	30.0	19.6	12.1	14.4	35	..	2.7	..	12.1	0	4	27	11	3	1	1	0	0	4	11	0	0
PUNJAB																											
PATHANKOT	0530	312	1010.7	974.3	..	14.7	12.8	11.0	13.2	78	..	2.0	..	5.7	0	1	17	01	10	5	0	1	0	1	0	13	0
	0830	312	1012.0	976.1	+0.3	18.5	14.8	11.9	14.0	67	+11	2.8	-0.9	6.9	0	2	18	04	10	1	0	3	1	1	0	11	0
	1130	312	1011.7	976.7	..	26.4	17.8	11.2	13.6	40	..	2.9	..	7.8	0	0	29	02	0	2	1	13	6	5	0	2	0
	1730	312	1008.4	973.7	-0.8	27.8	18.3	11.1	13.5	37	- 3	3.2	-1.5	17.0	0	7	23	01	2	0	0	1	11	14	1	1	0
	2330	312	1011.7	975.6	..	18.0	14.8	12.6	14.7	72	..	2.6	..	6.7	0	4	13	03	7	2	3	2	0	0	0	14	0
AMRITSAR	0530	234	1010.8	983.3	..	14.3	12.8	11.6	13.8	84	..	2.7	..	10.2	0	4	24	04	2	1	1	2	2	8	7	3	1
	0830	234	1012.9	985.0	+0.1	17.6	14.9	12.8	14.9	74	+ 2	2.8	-0.3	8.5	0	2	23	05	2	3	0	1	4	5	5	6	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — MARCH 1969 PHALGUNA 10, 1890 - CHAITRA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lst. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HARYANA (INCLUDING DELHI AND CHANDIGARH) (CONTD.)																											
AMRITSAR	1130	234	1012.4	985.8	..	25.4	18.0	12.7	14.9	46	..	3.2	..	13.1	0	5	26	02	1	3	2	2	1	4	16	0	0
	1430	234	1010.2	984.0	..	28.8	18.6	10.9	13.2	35	..	3.1	..	17.3	0	10	20	00	1	1	1	1	3	13	10	1	0
	1730	234	1008.9	982.7	-0.1	27.9	18.9	12.4	14.6	40	+ 0	3.1	-0.3	15.2	0	7	24	02	2	1	1	0	3	11	11	●	0
	2030	234	1010.6	983.7	..	20.5	17.1	14.7	16.9	70	..	3.1	..	11.3	0	1	29	03	1	1	1	0	4	14	6	1	0
ADAMPUR AERODROME	0830	238	1012.0	983.1	..	17.2	14.5	12.4	14.5	74	..	2.8	..	9.0	0	3	24	07	8	3	2	0	0	1	6	4	0
	1730	238	1009.2	981.3	..	27.5	19.0	12.9	15.2	42	..	2.5	..	18.9	0	10	21	01	1	1	2	1	0	2	23	0	0
LUDHIANA	0830	247	1012.1	983.6	+0.1	19.9	16.0	13.0	15.1	65	- 2	1.5	-0.9	2.9	0	0	27	00	6	0	2	0	1	0	18	4	0
	1730	247	1008.4	981.0	-0.5	29.4	20.0	13.8	15.9	39	+ 1	1.4	-1.2	5.0	0	0	30	00	4	0	2	0	2	2	20	1	0
FEROZEPUR	0830	200	1012.8	989.7	+1.4	20.2	17.2	15.1	17.4	74	+ 3	1.5	-0.6	2.1	0	0	23	05	4	0	2	5	1	0	6	8	0
	1730	200	1011.4	988.9	+2.8	28.8	21.7	17.4	22.3	57	+12	1.2	-1.4	8.6	1	0	24	10	3	0	0	0	0	0	12	6	0
HALWARA AERODROME	0530	242	..	..	..	..	..	..	..	..	..	1.6	..	15.1	2	1	15	05	1	1	1	0	3	1	6	13	0
	0830	242	1011.9	983.9	..	18.2	15.7	13.9	16.0	76	..	2.5	..	9.4	0	2	19	04	1	1	1	1	0	6	7	10	0
	1130	242	1011.8	984.6	..	27.1	18.9	13.0	15.2	43	..	2.5	..	17.6	0	5	26	06	0	1	1	4	0	5	14	0	0
	1730	242	1008.6	981.6	..	27.4	20.0	15.2	17.5	48	..	2.3	..	16.3	0	3	27	02	1	1	2	1	0	14	9	1	0
	2330	242	1011.3	983.1	..	16.7	15.3	14.1	16.3	85	..	1.7	..	10.0	0	2	20	03	2	3	0	0	1	6	7	9	0
PATIALA	0830	251	1011.8	982.9	+0.2	18.9	15.5	12.7	14.9	68	+ 9	1.7	-1.2	5.4	0	0	15	00	0	0	3	0	0	0	12	16	0
	1730	251	1008.9	980.6	+0.4	28.0	19.0	12.7	14.8	39	+ 5	1.9	-1.5	11.9	0	7	17	00	0	0	5	0	0	0	19	7	0
BHATINDA	0830		(R)																								
	1730		(R)																								
HIMACHAL PRADESH																											
MANDI	0830	761	1016.3	929.5	+2.2	12.7	11.2	9.9	12.3	84	+ 4	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	761	1008.4	925.6	+1.5	26.3	18.2	12.5	15.6	47	+ 4	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BILASPUR	0830	493	1014.0	946.6	-0.7	14.9	13.0	11.5	13.6	81	+ 5	2.1	-1.4	0.2	0	0	2	00	2	0	0	0	0	0	0	29	0
	1730	493	1008.7	943.7	-0.7	27.4	18.3	12.2	14.4	41	+ 3	2.5	-2.0	1.8	0	0	9	02	1	0	5	0	1	0	0	22	0
JAMMU AND KASHMIR																											
MISGAR	0830		(R)																								
	1730		(R)																								
GILGIT	0830		(R)																								
	1730		(R)																								
SKARDU	0830		(R)																								
	1730		(R)																								
LEH	0830	3514	3148.1	669.2	+3.7	1.1	- 2.6	- 7.3	3.3	49	- 6	2.7	-1.8	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	3514	3013.9	666.1	+3.1	9.3	4.2	- 1.7	6.4	46	+ 3	3.2	-1.9	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SRINAGAR	0230	1587	1528.3	844.1	..	7.3	6.2	5.1	8.8	86	..	3.3	..	1.7	0	0	16	00	0	0	7	0	0	1	8	15	0
	0530	1587	1529.0	844.1	..	6.3	5.4	4.4	8.4	89	..	3.5	..	2.4	0	0	23	00	0	0	8	0	0	0	15	8	0
	0830	1587	1539.4	845.4	+2.0	7.2	6.0	4.8	8.7	85	+ 1	4.1	-1.2	2.1	0	0	21	00	1	2	8	1	0	0	9	10	0
	1130	1587	1540.7	845.5	..	12.7	8.9	5.4	9.0	64	..	4.3	..	2.7	0	0	22	00	2	0	3	0	0	2	15	9	0
	1430	1587	1521.2	843.6	..	15.4	9.9	5.0	8.8	53	..	4.4	..	3.4	0	0	25	00	1	0	3	0	0	4	17	6	0
	1730	1587	1510.8	842.5	+1.3	14.7	9.4	4.4	8.5	53	- 7	4.6	-0.9	3.4	0	0	27	00	0	0	3	0	1	3	20	4	0
	2030	1587	1519.9	843.4	..	11.2	8.5	6.2	9.5	72	..	3.2	..	2.2	0	0	19	00	0	0	1	0	0	0	18	12	0
SRINAGAR AERODROME	2330	1587	1526.2	844.0	..	9.0	7.3	5.8	9.2	80	..	3.0	..	2.4	0	0	18	00	0	0	3	0	1	0	14	13	0
	0530	1666	1526.7	836.0	..	5.6	4.2	5.5	7.6	81	..	4.7	..	30.9	1	0	13	02	1	1	1	4	1	2	2	17	0
	0830	1666	1542.2	837.4	..	7.7	6.0	4.3	8.4	80	..	4.9	..	4.1	0	0	15	00	1	3	0	2	1	2	6	16	0
	1130	1666	1542.7	837.7	..	12.1	8.4	4.8	8.7	62	..	4.7	..	8.6	0	1	25	04	2	4	1	1	1	3	9	5	1
	1730	1666	1513.2	834.8	..	14.1	8.9	4.0	8.3	54	..	5.3	..	10.0	0	1	26	06	1	2	0	2	1	5	10	4	0
	2330	1666	1529.7	836.1	..	8.0	5.7	3.4	7.9	74	..	4.0	..	9.7	0	3	20	00	1	1	1	6	4	4	6	8	0
GULMARG	0830																										
	1730																										
QAZIGUND	0830	1690	..	..	..	7.2	5.8	4.4	8.4	83	..	4.4	..	3.9	0	0	22	00	2	5	0	10	2	3	0	9	0
	1730	1690	..	..	..	14.7	9.7	5.2	8.9	56	..	4.7	..	4.3	0	0	27	02	6	0	1	3	5	9	1	4	0
BANIHAL	0830		1517.0	838.7	..	11.3	7.4	3.2	7.8	60	..	3.0	..	3.0	0	0	12	11	0	1	0	0	0	0	0	19	0
	1730		1490.1	836.2	..	16.1	9.9	4.0	8.2	47	..	3.7	..	6.8	0	3	19	17	0	0	0	5	0	0	0	9	0
JAMMU	0830	366	..	..	..	19.5	14.1	9.3	11.6	54	- 1	1.8	-1.5	6.3	0	0	29	01	22	1	1	0	1	0	3	2	0
	1730	366	..	..	..	27.4	17.9	9.3	11.9	46	..	0.5	..	36.0	1	0	27	00	6	0	3	1	7	3	8	0	0
JAMMU AERODROME	0530	292	1011.1	977.0	..	16.2	13.2	10.6	12.8	70	..	2.1	..	6.0	0	1	18	01	14	2	0	1	0	0	1	12	0
	0830	292	1012.3	978.4	..	18.8	14.3	10.4	12.8	60	..	2.5	..	5.2	0	1	17	01	13	4	0	0	0	0	0	13	0
	1130	292	1012.0	978.9	..	26.1	18.1	11.6	14.0	43	..	2.9	..	6.2	0	0	22	00	1	1	2	6	3	5	4	9	0
	1730	292	1008.8	976.0	..	27.7	18.5	11.5	13.8	39	..	3.2	..	8.2	0	1	25	00	1	0	0	6	6	12	1	5	0
	2330	292	1011.3	977.5	..	19.3	15.2	11.9	14.1	64	..	2.4	..	4.5	0	0	13	00	9	3	1	0	0	0	0	18	0
GULMARG (RESEARCH INSTITUTE)	0830	2655	3117.9	741.6	..	2.4	- 0.0	- 3.9	4.5	68	..	4.3	..	3.0	0	0	31	00	0	5	3	1	0	20	2	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MARCH ,1969 PHALGUNA 10,1890 - CHAITRA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or bt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD.)																											
GULMARG (RESEARCH INSTITUTE)	1130		(R)																								
	1730	2655	3115.3	740.7	..	5.7	2.3	- 3.1	5.0	57	..	4.5	..	32.2	1	0	30	00	0	4	1	2	0	20	2	1	1
RAJASTHAN, WEST																											
GANGANAGAR	0530	177	1010.6	990.0	..	17.0	13.9	11.4	13.6	74	..	0.5	..	0.4	0	0	2	00	2	0	0	0	0	0	0	29	0
	0830	177	1011.9	991.4	+0.0	19.8	15.0	11.0	13.3	58	- 5	1.5	-0.2	1.7	0	0	13	00	5	1	3	4	0	0	0	18	0
	1130	177	1012.0	992.0	..	28.9	18.3	9.7	12.3	32	..	1.7	..	1.9	0	0	15	01	4	0	3	0	5	0	2	16	0
	1730	177	1010.6	988.4	-0.5	32.1	19.0	8.3	11.4	25	- 6	2.1	+0.3	2.3	0	0	21	04	7	0	2	0	1	1	6	10	0
	2330	177	1010.5	990.2	..	21.9	16.5	12.3	14.4	56	..	1.0	..	0.6	0	0	4	00	2	0	2	0	0	0	0	27	0
ANUPGARH	0830	154	1012.4	994.5	..	19.6	15.7	12.8	15.2	66	..	0.9	..	2.7	0	0	25	05	2	9	6	3	0	0	0	6	0
	1730	154	1008.5	991.5	..	33.9	24.0	18.6	22.4	42	..	1.3	..	4.3	0	0	31	07	1	1	3	2	2	1	14	0	0
CHURU	0830	291	1012.6	979.2	+0.1	20.4	15.5	11.0	14.1	57	+ 0	1.3	-0.9	2.8	0	0	20	02	1	1	2	7	5	1	1	11	0
	1730	291	1007.6	975.9	-0.2	33.7	24.2	17.4	19.9	45	+16	2.3	-0.5	7.9	0	1	30	21	0	1	0	0	1	4	4	0	0
BIKANER	0830	224	1012.4	986.7	+0.6	22.1	14.0	4.7	9.9	37	- 7	1.6	+0.3	6.2	0	1	22	00	4	2	4	6	5	1	1	8	0
	1730	224	1007.8	983.3	+0.1	34.5	18.9	3.0	9.6	18	- 5	1.9	+0.4	8.1	0	2	29	04	4	0	0	1	6	3	13	0	0
BIKANER P.B.O.	0530	224	1010.6	984.5	..	18.6	11.8	4.0	8.8	40	..	0.7	..	2.5	0	0	10	01	2	0	0	1	1	4	1	21	0
	1130	224	1011.8	986.3	..	32.5	17.6	2.6	8.2	17	..	1.5	..	4.8	0	0	30	01	5	1	7	7	5	3	1	1	0
	1430	224	1008.9	984.3	..	35.1	18.1	0.4	7.0	13	..	1.4	..	5.2	0	0	29	05	6	2	0	3	2	5	6	2	0
	2030	224	1009.4	984.2	..	27.4	16.2	5.7	9.5	27	..	1.0	..	1.7	0	0	7	01	0	1	0	1	2	0	2	24	0
	2330	224	1010.4	984.9	..	23.6	14.3	4.8	8.8	31	..	0.6	..	3.2	0	0	13	04	3	1	0	3	1	0	1	18	0
NAGAUR	0830	298	1012.3	978.5	+0.4	24.0	17.5	12.6	15.0	50	+13	1.2	-0.6	5.2	0	0	28	03	4	4	5	7	4	0	1	3	0
	1730	298	1007.1	974.6	-0.1	34.1	24.1	18.7	21.9	41	+17	2.5	+0.2	6.7	0	0	30	07	4	0	1	3	4	3	8	1	0
PHALODI	0830	234	1012.9	986.1	+0.7	22.8	14.5	5.8	10.2	36	-16	1.0	-0.9	8.8	0	2	29	03	3	3	5	5	8	3	1	0	0
	1730	234	1009.2	983.6	+0.5	34.7	20.6	9.4	12.7	22	-10	1.7	-0.4	10.0	0	3	28	04	4	2	1	4	8	2	6	0	0
JAISALMER	0830	242	1011.7	983.8	+0.2	20.7	13.9	6.5	10.9	43	-13	0.4	-1.1	6.1	0	3	16	03	6	1	1	2	6	0	0	12	0
	1730	242	1006.8	980.5	+0.0	35.2	22.1	12.6	16.6	29	- 8	0.8	-1.3	10.7	0	3	28	02	3	2	3	4	7	3	7	0	0
JODHPUR	0230	224	1010.0	984.5	..	23.9	13.8	1.8	7.9	26	..	1.5	..	11.6	0	2	28	10	8	3	0	0	3	5	1	1	0
	0530	224	1010.2	984.5	..	21.4	12.9	2.7	8.4	32	..	1.4	..	9.2	0	1	27	05	9	3	0	0	5	4	2	3	0
	0830	224	1012.3	986.5	-0.1	21.8	13.3	3.4	8.6	32	- 3	1.8	+0.0	9.5	0	1	29	04	12	4	1	1	7	1	0	1	0
	1130	224	1011.9	987.1	..	32.7	17.7	2.3	8.1	17	..	1.8	..	11.5	0	1	29	02	6	6	5	1	5	2	2	1	1
	1430	224	1008.8	984.3	..	36.6	18.6	- 0.3	6.8	11	..	2.0	..	12.4	0	0	31	05	3	7	1	2	5	2	5	0	1
	1730	224	1007.3	982.9	-0.4	36.0	18.5	0.7	7.1	12	- 5	2.1	-0.2	11.0	0	0	31	07	4	2	0	1	5	6	4	0	2
	2030	224	1009.2	984.2	..	29.2	16.9	5.4	9.3	23	..	1.4	..	8.6	0	0	28	07	2	1	1	0	6	9	2	3	0
	2330	224	1010.3	984.9	..	26.2	15.2	3.5	8.3	24	..	1.3	..	9.8	0	0	30	06	5	2	1	1	5	6	3	1	1
BARMER	0530	194	1009.1	987.0	..	23.8	14.4	4.2	9.3	31	..	1.2	..	5.8	0	1	25	04	0	1	0	2	0	3	16	5	0
	0830	194	1010.9	988.8	-0.5	23.7	14.7	5.2	9.8	34	-13	1.7	+0.1	3.9	0	0	23	01	0	0	1	0	3	2	16	8	0
	1130	194	1011.3	989.6	..	31.3	17.9	4.9	9.8	22	..	1.9	..	7.0	0	0	29	02	8	8	1	0	4	4	2	2	0
	1730	194	1007.2	986.0	-0.3	35.7	19.8	5.9	10.4	18	- 8	1.7	-0.4	6.3	0	1	27	03	7	2	0	2	7	3	4	3	0
	2330	194	1009.5	987.9	..	28.2	16.2	4.0	9.1	23	..	1.1	..	4.5	0	0	24	01	1	0	0	0	4	9	9	7	0
JAWAI BANDH	0830	295	1012.2	978.6	-0.1	22.1	16.0	10.3	13.1	50	- 4	2.2	+0.4	3.4	0	0	27	00	0	0	7	9	10	1	0	4	0
	1730	295	1007.6	975.3	-0.1	33.4	18.7	6.7	10.1	20	-18	2.8	+0.1	4.9	0	0	29	04	1	0	0	0	3	7	14	2	0
JALORE	0830	0	..	..	..	24.2	14.8	4.9	9.9	32	..	1.7	..	5.0	0	1	27	00	2	3	10	2	1	2	8	3	0
	1730	0	..	..	..	35.5	20.1	7.4	10.9	19	..	1.4	..	6.4	0	0	31	00	3	2	2	1	9	2	12	0	0
RAJASTHAN, EAST																											
PILANI	0830	301	1012.7	1074.9	+6.3	19.7	12.9	5.8	9.6	42	- 3	1.6	+0.3	6.1	0	1	23	00	0	2	4	4	6	6	2	7	0
	1730	301	1007.8	974.8	-0.4	32.9	17.1	0.5	6.7	14	- 8	2.0	+0.3	12.3	0	2	28	05	2	1	1	0	0	9	12	1	0
SIKAR	0830	433	1011.9	962.6	-0.3	21.0	14.7	9.1	12.3	49	- 7	0.4	-1.5	0.1	0	0	1	00	0	0	1	0	0	0	0	30	0
	1730	433	1007.1	960.0	-0.3	32.5	20.6	10.8	15.2	35	- 8	0.9	-1.8	0.7	0	0	11	00	0	0	0	0	0	10	1	20	0
ALWAR	0830	271	1011.5	980.6	-0.3	22.7	17.2	13.2	15.3	56	- 6	1.3	-1.0	1.2	0	0	12	02	4	1	0	0	1	0	4	19	0
	1730	271	1006.6	976.9	-1.2	33.3	21.5	14.0	16.2	32	- 5	2.7	-0.5	2.6	0	0	31	11	2	0	0	0	1	3	14	0	0
JAIPUR (SANGANER)	0230	390	1009.9	965.6	..	20.9	13.4	5.6	9.4	39	..	1.8	..	5.1	0	0	21	07	8	1	0	0	0	1	4	10	0
	0530	390	1010.3	965.8	..	19.3	13.0	6.7	10.1	46	..	1.8	..	4.8	0	1	20	05	9	2	1	0	0	1	3	10	0
	0830	390	1012.1	968.1	+0.2	23.7	15.3	7.6	10.5	37	- 1	1.1	-0.5	6.6	0	2	17	04	4	6	1	0	0	2	2	12	0
	1130	390	1011.1	968.2	..	31.4	17.4	4.0	8.6	20	..	1.4	..	7.9	0	1	28	01	1	2	4	3	6	7	5	2	0
	1430	390	1008.0	965.5	..	33.9	17.9	1.4	7.4	15	..	2.3	..	12.1	0	6	25	01	3	0	0	5	5	10	5	0	2
	1730	390	1006.9	964.4	-0.5	32.9	17.2	0.6	6.9	15	- 7	2.6	+0.4	9.6	0	2	29	01	0	1	0	1	2	15	11	0	0
	2030	390	1009.4	965.8	..	25.4	15.5	6.0	9.6	30	..	2.1	..	3.2	0	0	19	03	1	0	0	1	0	4	10	12	0
	2330	390	1010.4	966.3	..	22.6	14.3	6.1	9.8	36	..	1.9	..	5.4	0	0	24	07	2	1	0	0	2	2	10	7	0
DHOLPUR	0830	176	1011.8	991.6	+0.1	23.5	15.2	7.7	10.7	38	-21	0.2	-2.0	2.4	0	0	13	02	0	1	0	1	0	7	2	18	0
	1730	176	1006.9	987.5	-0.5	34.0	18.4	4.2	8.5	17	-19	0.4	-2.4	3.8	0	1	17	02	0	0	0	0	0	13	3	13	0
AJMER	0830	486	1012.6	957.9	+0.2	22.3	14.0	6.7	10.2	38	- 2	1.5	-0.1	4.9	0	1	17	00	5	0	0	0	3	6	4	13	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – MARCH 1969 PHALGUNA 10, 1890 – CHAITRA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lst. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN, EAST (CONTD.)																											
AJMER	1730	486	1006.9	954.5	-0.1	33.6	16.7	0.6	6.7	13	- 7	2.6	+0.4	7.1	0	0	28	00	2	0	0	0	7	11	8	3	0
TONK	0830	272	1011.8	980.9	+0.4	22.4	14.8	7.7	10.8	41	- 6	1.4	-0.7	5.2	0	0	31	00	0	3	1	0	5	13	9	0	0
	1730	272	1006.1	976.4	-0.3	34.3	20.1	8.9	12.3	23	- 5	2.0	-0.5	5.7	0	0	31	00	2	2	0	3	1	15	8	0	0
BHILWARA	0830	425	1012.6	965.2	..	22.1	14.0	6.0	9.6	36	..	2.2	..	3.3	0	0	23	05	5	0	0	0	6	1	6	8	0
	1730	425	1007.2	961.2	..	31.9	17.9	2.6	7.6	14	..	2.3	..	3.2	0	0	28	01	7	0	1	2	9	1	7	3	0
KOTA	0830	257	1012.2	983.0	-0 ...	..	..	..	..	.	..	1.7	+0.3	2.5	0	0	9	00	0	2	0	0	0	2	5	22	0
	1730	257	1007.2	979.1	-0 ?..	..	..	..	..	.	..	2.5	+0.5	3.1	0	0	17	06	0	0	0	0	1	1	9	14	0
KOTA AERODROME	0530	274	1010.1	978.8	..	21.9	12.1	- 0.7	6.4	24	..	0.7	..	4.4	0	1	28	01	3	2	0	1	6	15	1	2	0
	0830	274	1012.3	981.3	..	25.3	14.2	1.9	7.4	23	..	1.2	..	6.7	0	3	20	01	6	1	1	0	2	9	3	8	0
	1130	274	1012.0	981.7	..	31.6	16.7	1.3	7.0	15	..	1.3	..	9.4	0	3	27	02	8	12	3	0	1	1	3	1	0
	1730	274	1007.2	977.3	..	34.6	16.9	- 3.6	4.8	9	..	2.3	..	11.9	0	2	29	15	7	2	0	0	1	1	5	0	0
	2330	274	1010.2	979.4	..	26.1	14.2	0.0	6.6	20	..	1.1	..	9.0	0	3	26	02	4	3	0	0	8	5	7	2	0
CHAMBAL (RAWAT BHATTA DAM)	0830	351	1012.3	972.6	-0.3	23.7	15.1	7.1	10.4	35	- 7	0.5	-1.0	1.5	0	0	7	03	0	0	0	0	0	0	4	24	0
	1730	351	1006.8	968.6	-0.7	34.4	19.0	6.1	9.6	18	-10	0.8	-1.5	5.8	0	0	30	05	0	0	0	2	5	0	18	1	0
UDAIPUR	0230	582	1011.2	946.0	..	20.8	13.6	7.5	10.5	43	..	1.2	..	1.0	0	0	8	00	2	0	0	1	1	2	2	23	0
	0530	582	1011.4	945.8	..	19.2	12.8	7.1	10.3	47	..	1.2	..	0.8	0	0	7	02	1	1	0	0	0	1	2	24	0
	0830	582	1012.6	947.8	+0.4	23.6	15.0	7.9	11.0	38	- 5	1.6	+0.1	0.6	0	0	6	01	0	0	0	0	0	0	5	25	0
	1130	582	1011.4	948.3	..	31.4	17.3	6.0	9.6	21	..	1.5	..	3.4	0	0	25	01	3	9	5	1	2	1	3	6	0
	1730	582	1006.8	944.3	+0.0	33.1	18.1	6.5	9.8	19	- 5	2.6	+0.2	3.9	0	0	26	02	3	4	1	6	4	3	3	5	0
	2330	582	1011.5	946.7	..	23.0	14.7	8.0	10.8	39	..	1.1	..	1.5	0	0	8	00	0	0	0	0	2	5	1	23	0
JHALAWAR	0830		(R)																								
	1730		(R)																								
BANSWARA	0830	220	1012.1	987.2	..	25.6	16.3	9.1	12.0	32	..	0.2	..	2.6	0	0	31	00	3	3	11	2	8	2	2	0	0
	1730	220	1006.7	982.9	..	36.3	21.9	12.5	15.0	25	..	0.3	..	3.4	0	0	31	01	1	1	0	0	6	11	11	0	0
DUNGARPUR	0830		..	..	..	24.7	16.0	8.1	11.3	37	..	1.6	..	0.5	0	0	6	00	2	1	0	0	3	0	0	25	0
	1730		..	..	..	34.7	18.7	4.2	8.5	15	..	2.2	..	1.6	0	0	17	00	1	0	1	0	12	2	1	14	0
MADHYA PRADESH, WEST																											
GWALIOR	0230	207	1009.8	986.0	..	19.6	12.7	5.7	9.3	41	..	1.0	..	2.9	0	0	16	02	1	3	4	1	2	0	3	15	0
	0530	207	1010.3	986.3	..	17.8	12.1	6.1	9.6	47	..	1.1	..	3.6	0	0	22	03	0	0	8	6	1	1	3	9	0
	0830	207	1012.1	988.5	-0.6	24.7	16.0	8.3	11.1	36	+ 2	1.5	-0.2	4.6	0	0	25	03	1	1	6	7	1	2	4	6	0
	1130	207	1011.5	988.5	..	31.8	18.4	6.6	10.1	22	..	1.5	..	7.1	0	0	30	04	2	1	1	5	1	3	13	1	0
	1430	207	1008.2	985.6	..	35.0	18.6	3.5	8.2	14	..	1.8	..	9.3	0	0	31	10	0	0	2	0	0	3	16	0	0
	1730	207	1007.2	984.5	-0.3	33.8	18.3	3.9	8.5	16	+ 0	2.7	+0.4	7.3	0	1	30	11	1	0	1	0	0	1	17	0	0
	2030	207	1009.3	986.0	..	26.3	16.2	7.3	10.5	31	..	1.3	..	2.8	0	1	15	03	3	0	2	3	1	0	4	15	0
	2330	207	1010.2	986.5	..	22.1	13.9	5.6	9.3	36	..	1.1	..	3.0	0	0	19	02	0	0	3	6	6	0	2	12	0
SHEOPUR	0830	235	1012.5	985.6	+0.5	22.9	15.0	7.7	10.9	39	- 3	1.2	-0.7	3.4	0	0	26	02	4	0	2	5	5	2	6	5	0
	1730	235	1007.3	981.3	+0.3	34.7	21.6	11.9	15.8	28	+10	1.6	-1.2	5.9	0	0	31	03	4	0	0	0	3	7	14	0	0
SHIVPURI	0830	464	1012.2	960.1	..	23.6	13.7	4.5	8.6	30	..	0.6	..	3.0	0	0	18	09	1	4	0	0	1	3	0	13	0
	1730	464	1006.7	956.5	..	33.2	16.5	1.2	6.7	13	..	1.4	..	4.5	0	0	25	09	2	1	0	0	3	7	3	6	0
NOWGONG	0830	229	1012.6	986.4	+0.2	21.9	14.7	8.2	11.1	42	- 4	1.9	+0.3	2.7	0	0	23	00	1	1	1	9	6	4	1	8	0
	1730	229	1007.3	982.4	+0.1	34.7	19.4	6.8	10.2	18	- 4	2.0	+0.0	6.3	0	0	30	02	2	1	0	0	2	11	12	1	0
GUNA	0530	478	1011.0	956.6	..	18.9	11.9	5.1	9.0	42	..	1.3	..	3.3	0	0	23	02	1	7	5	5	0	3	0	8	0
	0830	478	1012.0	958.7	+0.1	25.7	15.1	5.6	9.4	29	-12	1.5	+0.2	5.3	0	0	31	03	0	11	0	8	2	7	0	0	0
	1130	478	1010.9	959.0	..	33.1	17.9	5.8	9.5	19	..	1.4	..	5.8	0	1	29	06	4	5	1	3	1	7	3	1	0
	1430	478	1007.4	956.0	..	35.3	18.3	4.4	8.6	15	..	2.1	..	6.6	0	0	30	09	4	1	0	3	2	6	5	1	0
	1730	478	1006.4	954.8	-0.4	33.9	17.6	3.8	8.4	16	- 3	2.5	+0.5	7.3	0	1	29	05	1	0	0	1	4	15	4	1	0
	2330	478	1010.8	957.2	..	23.3	14.1	5.9	9.4	33	..	0.9	..	3.4	0	0	20	08	4	1	2	0	2	2	1	11	0
NIMACH	0830	496	1012.9	957.5	+0.4	24.3	13.3	1.7	7.3	25	- 8	1.7	+0.1	3.4	0	0	20	00	8	1	0	0	5	6	0	11	0
	1730	496	1007.1	953.7	+0.0	34.0	16.4	- 0.9	5.8	11	-11	2.4	-0.1	7.9	0	2	26	01	8	3	0	0	1	12	3	3	0
RAJGARH	0830	382	1012.6	969.3	+0.0	22.2	14.7	7.2	10.6	40	+ 5	0.0	-1.4	3.2	0	0	21	09	0	1	3	4	0	3	1	10	0
	1730	382	1006.7	965.5	+0.0	35.5	19.3	5.5	9.5	17	- 1	0.2	-2.2	5.8	0	0	30	11	2	4	0	1	0	12	0	1	0
SAGAR	0830	551	1013.6	950.7	+0.5	17.0	12.7	9.1	11.6	60	+29	1.6	+0.0	6.3	0	0	31	00	5	5	0	0	8	11	2	0	0
	1730	551	1007.0	946.7	-0.1	28.1	17.4	9.7	12.1	32	+14	0.8	-1.4	7.5	0	0	31	00	10	11	0	0	3	5	2	0	0
RATLAM	0830	486	1012.2	958.0	+0.4	25.1	17.7	12.6	14.8	46	+ 3	2.4	+0.5	8.3	0	2	26	01	7	7	0	1	3	7	2	3	0
	1730	486	1006.2	954.0	-0.3	34.9	23.2	16.9	19.7	35	+ 9	3.0	+0.1	8.0	0	5	21	00	3	4	1	0	0	14	4	5	0
BHOPAL (BAIRAGARH)	0230		(R)																								
	0530		(R)																								
	0830		(R)																								
	1130		(R)																								
	1430		(R)																								

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — MARCH ,1969 PHALGUNA 10,1890 - CHAITRA 10,1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.) 62 or more	Wind Speed (Km. p. h.) 20 to 61	Wind Speed (Km. p. h.) 1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, WEST (CONTD)																											
BHOPAL (BAIRAGARH)	1730		(R)																								
	2030		(R)																								
	2330		(R)																								
UJJAIN	0830	489	1012.8	957.6	..	21.7	13.5	4.2	9.7	38	..	2.6	..	2.7	0	0	15	00	5	2	3	0	0	5	0	16	0
	1730	489	1006.2	953.6	..	34.7	18.4	5.7	9.3	17	..	3.0	..	9.0	0	4	23	04	3	1	0	0	1	10	8	4	0
NARSINGHPUR	0830	356	1012.0	971.9	..	24.5	15.5	7.5	10.7	34	..	1.4	..	1.4	0	0	21	00	11	2	0	0	2	5	1	10	0
	1730	356	1005.6	967.2	..	36.1	20.1	7.2	10.6	18	..	2.2	..	2.5	0	0	27	01	12	0	0	0	4	3	7	4	0
HOSHANGABAD	0830	302	1012.6	978.6	+0.7	25.4	14.6	3.5	7.9	25	-12	2.7	+1.0	2.6	0	0	31	00	5	0	10	0	12	0	4	0	0
	1730	302	1006.1	973.5	+0.1	36.4	18.5	1.0	6.8	11	- 6	2.1	-0.2	2.1	0	0	31	00	6	0	2	0	5	0	18	0	0
INDORE	0530	567	1010.4	946.6	..	20.0	12.3	4.8	8.8	38	..	1.1	..	9.4	0	0	26	02	3	4	0	1	3	11	2	5	0
	0830	567	1011.9	948.9	+0.2	24.2	14.6	6.1	9.7	33	+ 2	1.9	+0.7	10.5	0	1	26	00	3	9	0	1	2	10	2	4	0
	1130	567	1010.4	949.1	..	32.7	18.4	7.4	10.8	23	..	1.9	..	11.7	0	1	27	03	1	10	0	3	1	4	4	3	2
	1730	567	1005.5	944.9	-0.2	34.4	18.5	5.8	9.7	18	+ 1	2.7	+0.8	13.8	0	2	29	06	1	2	0	1	6	9	6	0	0
	2330	567	1010.3	947.5	..	24.8	14.2	4.3	8.6	28	..	1.4	..	9.9	0	0	27	02	3	2	0	1	4	11	4	4	0
RAJPUR (JHABUA)	0830	293	1012.7	979.5	-0.3	23.9	16.5	9.8	13.3	46	+ 0	2.1	+0.6	1.5	0	0	7	00	1	0	0	0	0	6	0	24	0
	1730	293	1007.1	975.3	-0.3	36.1	20.4	7.1	12.1	21	+ 1	2.4	+0.7	5.9	0	0	22	00	0	0	0	0	2	20	0	9	0
CHHINDWARA	0830	685	1011.6	936.3	+0.2	25.4	16.6	10.0	12.5	39	+ 0	1.2	-0.5	5.6	0	0	31	01	6	11	2	3	3	4	1	0	0
	1730	685	1005.2	932.3	-0.1	33.6	19.4	9.5	12.1	24	+ 3	2.5	-0.2	5.2	0	0	27	00	3	13	4	2	2	3	0	4	0
SEONI	0830	619	1011.6	943.4	+0.4	25.3	15.1	6.0	9.8	32	- 8	1.6	+0.0	5.4	0	0	26	06	5	4	1	2	4	0	4	5	0
	1730	619	1005.4	939.3	-0.2	33.7	18.4	6.1	10.0	21	- 4	2.9	+0.4	7.6	0	0	30	12	3	3	1	2	2	5	2	1	0
BETUL	0830	653	1011.7	939.9	+0.2	26.0	15.0	4.8	8.9	27	- 7	2.5	+0.7	4.6	0	0	29	00	4	8	4	1	1	6	5	2	0
	1730	653	1005.2	935.8	+0.0	34.2	17.0	1.5	6.9	13	- 7	3.0	+0.4	6.4	0	0	31	07	5	0	1	1	0	8	9	0	0
KHANDWA	0830	318	1012.0	976.2	+0.3	26.0	17.2	9.7	12.6	37	+ 5	1.6	+0.3	3.3	0	0	25	03	3	2	1	0	1	9	6	6	0
	1730	318	1005.5	971.3	-0.1	37.3	22.3	11.6	15.0	24	+ 7	2.2	+0.4	5.4	0	0	30	01	3	0	2	0	5	5	14	1	0
TIKAMGARH	0830	346	1013.0	973.4	..	20.3	16.0	12.6	14.8	62	..	1.6	..	3.1	0	0	21	02	2	1	1	5	6	4	0	10	0
	1730	346	1007.9	970.2	..	33.5	22.2	15.1	17.9	34	..	2.0	..	5.5	0	0	28	09	5	0	0	2	6	3	3	3	0
MADHYA PRADESH, EAST																											
SATNA	0530	317	1010.4	974.0	..	19.3	12.6	5.3	9.2	41	..	0.7	..	0.9	0	0	9	00	0	1	2	5	0	1	0	22	0
	0830	317	1011.9	976.2	+0.3	25.4	15.1	5.0	8.9	28	-17	1.4	-0.1	1.3	0	0	18	00	0	0	2	4	4	6	2	13	0
	1130	317	1010.5	975.8	..	33.5	17.6	1.9	7.3	14	..	1.0	..	3.2	0	0	28	02	1	1	1	2	0	13	0	3	0
	1430	317	1007.2	972.7	..	35.6	18.0	-0.3	6.3	11	..	1.8	..	6.5	0	0	30	04	0	1	1	0	2	11	11	1	0
	1730	317	1006.6	972.1	-0.1	33.8	17.5	0.9	6.8	13	-13	1.8	-0.2	4.1	0	0	31	03	0	1	0	0	0	11	16	0	0
	2330	317	1010.1	974.2	..	23.7	14.3	4.5	8.8	30	..	0.5	..	1.0	0	0	8	03	0	1	0	0	1	1	2	23	0
REWA	0830	299	1011.5	977.7	..	24.0	16.2	9.5	12.2	41	..	2.0	..	1.4	0	0	19	00	0	0	1	1	11	1	5	12	0
	1730	299	1006.5	974.0	..	34.3	19.9	8.8	11.5	21	..	2.7	..	2.7	0	0	27	02	0	0	0	0	2	6	17	4	0
SIDHI	0830	272	1011.7	980.9	+0.2	24.6	17.4	12.0	14.3	47	- 2	0.6	-0.2	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	272	1005.8	976.1	-0.8	33.9	21.7	13.6	16.1	30	+ 7	0.7	-0.2	1.0	0	0	15	04	2	2	1	0	0	1	5	16	0
UMARIA	0830	459	1012.2	960.9	+0.6	[illegible]	16.4	9.9	12.4	40	- 6	2.3	+0.4	2.1	0	0	23	03	3	3	4	4	2	4	0	8	0
	1730	459	1006.0	956.5	-0.1	34.6	19.4	9.6	12.2	23	- 5	2.9	+0.4	2.8	0	0	30	12	1	1	0	0	2	2	12	1	0
JABALPUR	0530	363	1010.5	965.8	..	19.7	14.4	9.6	12.1	53	..	1.8	..	1.1	0	0	8	00	0	1	4	1	0	2	0	23	0
	0830	363	1012.2	968.2	+0.4	25.2	16.8	10.8	12.5	39	- 5	1.9	+0.4	2.6	0	0	18	01	3	1	4	4	1	3	1	13	0
	1130	363	1010.5	967.8	..	33.8	20.1	9.6	12.4	24	..	2.0	..	5.0	0	0	28	01	11	3	1	1	3	3	5	3	0
	1430	363	1006.7	964.5	..	36.1	20.8	9.5	12.3	21	..	2.5	..	6.6	0	0	31	06	6	1	0	0	2	8	8	0	0
	1730	363	1006.1	963.7	-0.1	34.6	20.5	10.2	12.8	23	+ 0	2.5	+0.3	4.1	0	0	25	05	7	1	0	1	2	3	6	6	0
	2030	363	1009.0	965.5	..	27.4	18.0	10.8	13.2	36	..	1.0	..	1.9	0	0	12	01	3	4	2	1	1	0	0	19	0
	2330	363	1010.1	966.1	..	24.1	16.5	10.4	12.7	43	..	1.3	..	1.0	0	0	6	00	2	0	3	1	0	0	0	25	0
AMBIKAPUR	0830	611	1012.0	944.4	+0.1	24.6	15.5	8.0	11.0	37	-11	1.5	+0.3	2.3	0	0	14	03	2	2	1	3	1	2	0	17	0
	1730	611	1005.7	940.2	-0.4	32.2	17.2	4.5	8.7	19	- 6	2.4	+0.7	6.5	0	0	31	16	0	2	0	0	0	13	0	0	0
JASHPURNAGAR	0830	779	1011.1	926.3	..	25.7	15.2	5.9	9.7	30	..	1.1	..	1.4	0	0	15	02	2	0	1	0	3	0	7	16	0
	1730	779	1005.6	922.5	..	30.9	16.2	2.9	7.8	18	..	2.1	..	2.3	0	0	26	03	1	0	0	0	6	2	14	5	0
PENDRA	0530	625	1010.2	940.7	..	21.9	13.2	4.9	8.9	35	..	1.7	..	3.9	0	1	15	08	0	0	0	1	3	1	3	15	0
	0830	625	1011.6	943.1	+0.4	26.9	15.4	5.5	9.3	27	-12	1.3	-0.4	6.5	0	1	24	16	0	1	0	5	0	0	3	6	0
	1130	625	1010.1	942.8	..	31.8	16.8	3.9	8.2	18	..	1.5	..	7.1	0	1	25	13	2	1	1	3	1	2	2	5	1
	1430	625	1006.1	939.5	..	33.8	17.4	3.2	8.1	16	..	2.6	..	9.0	0	3	23	10	3	1	0	2	4	1	4	5	1
	1730	625	1005.9	939.0	-0.1	32.1	16.9	3.5	8.2	18	-10	2.2	-0.6	8.3	0	1	26	16	2	0	1	3	1	2	2	4	0
	2330	625	1010.2	941.4	..	25.0	14.5	4.9	8.9	29	..	1.5	..	4.3	0	1	25	07	0	0	0	1	2	8	8	5	0
MANDLA	0830	443	1012.3	962.7	+0.0	23.4	15.3	7.9	10.9	39	-10	1.7	-0.2	1.5	0	0	6	04	0	0	0	1	0	0	1	25	0
	1730	443	1005.6	957.9	-0.4	33.8	18.3	3.7	8.4	17	- 7	2.3	-0.4	5.3	0	0	18	08	0	0	0	3	0	0	7	13	0
CHAMPA	0830	245	1011.7	984.1	-0.3	26.7	17.4	9.9	12.4	36	- 2	1.7	-0.3	3.0	0	0	22	13	2	3	0	0	1	1	2	9	0
	1730	245	1005.8	979.3	-0.7	36.6	21.0	9.3	12.1	20	- 2	2.5	-0.1	4.1	0	1	19	03	2	0	0	1	0	8	6	11	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS— MARCH ,1969(PHALGUNA 10,1890 - CHAITRA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.) 62 or more	Wind Speed (Km. p. h.) 20 to 61	Wind Speed (Km. p. h.) 1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST (CONTD.)																											
RAIGARH	0830	220	1011.6	986.9	-0.1	28.6	17.6	8.2	11.4	29	-14	2.3	+0.3	3.8	0	0	29	00	21	1	2	2	3	0	0	2	0
	1730	220	1006.0	982.1	-0.5	36.3	19.8	5.9	9.6	16	- 7	2.3	+0.3	2.7	0	0	28	01	6	0	0	1	11	0	9	3	0
RAIPUR	0530	298	1009.5	975.8	..	24.1	15.8	8.3	11.2	37	..	1.9	..	1.5	0	0	10	00	0	0	0	4	3	2	1	21	0
	0830	298	1011.7	978.5	+0.2	28.5	17.6	8.4	11.4	29	-12	1.7	+0.1	4.6	0	0	28	03	3	1	5	4	4	5	3	3	0
	1130	298	1010.5	978.0	..	34.9	19.3	5.8	9.9	18	..	1.3	..	8.6	0	1	30	05	2	9	1	1	1	9	3	0	0
	1430	298	1006.6	974.5	..	36.7	19.7	4.0	8.4	13	..	2.2	..	5.8	0	0	31	04	2	2	2	0	3	10	8	0	0
	1730	298	1005.8	973.5	-0.7	36.1	19.4	5.1	9.0	15	- 9	2.8	+1.1	4.8	0	0	28	04	3	4	1	3	4	6	3	3	0
	2030	298	1008.4	975.5	..	30.9	18.0	7.0	10.3	23	..	1.6	..	2.4	0	0	15	01	2	1	2	0	1	6	2	16	0
	2330	298	1009.2	976.1	..	28.3	16.9	7.0	10.2	26	..	1.9	..	4.1	0	0	25	02	2	5	0	9	1	4	2	6	0
KANKER	0830	402	1011.3	967.0	+0.1	29.3	21.3	16.5	19.1	47	- 7	2.4	+0.4	0.8	0	0	5	00	0	0	0	0	2	3	0	26	0
	1730	402	1005.6	962.4	-0.7	35.2	23.7	17.3	20.1	35	+ 5	3.1	+0.6	3.9	0	0	27	03	2	0	0	0	5	3	14	4	0
JAGDALPUR	0530	553	1010.1	948.4	..	21.7	17.1	14.0	16.2	63	..	2.3	..	1.4	0	0	7	01	0	0	1	2	3	0	0	24	0
	0830	553	1011.9	951.0	+0.4	26.1	19.1	14.8	16.9	51	- 3	2.8	+1.2	2.9	0	0	18	01	0	0	1	4	8	3	1	13	0
	1130	553	1009.6	950.2	..	33.3	20.1	11.4	13.8	27	..	2.4	..	6.1	0	0	30	04	1	0	0	3	8	6	8	1	0
	1430	553	1005.5	946.8	..	35.9	20.5	10.0	13.1	23	..	4.2	..	5.7	0	0	27	00	1	1	1	1	11	6	6	4	0
	1730	553	1005.6	946.4	+0.0	33.3	20.1	11.3	13.9	28	+ 0	5.1	+2.4	6.4	0	1	26	00	1	0	0	10	8	5	3	4	0
	2030	553	1008.9	948.6	..	28.7	18.5	11.7	13.8	35	..	2.2	..	2.0	0	0	9	01	1	0	0	3	3	1	0	22	0
	2330	553	1010.0	949.1	..	25.9	18.0	12.8	14.9	45	..	1.6	..	3.8	0	1	15	00	0	0	2	7	6	0	1	15	0
GUJARAT REGION(INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																											
DEESA	0830	136	1012.1	996.4	-0.1	22.3	15.8	9.6	12.7	48	+ 0	2.3	+0.8	3.2	0	1	18	01	9	1	2	2	1	0	2	12	1
	1730	136	1008.2	993.2	+0.4	35.7	21.1	10.4	13.1	23	+ 0	1.0	-0.8	7.5	0	0	30	03	1	0	1	0	10	3	11	1	1
RADHANPUR	0830	30	1011.7	1008.3	-0.6	22.3	18.9	16.4	18.6	72	+10	0.0	-0.9	1.5	0	0	24	03	3	1	1	1	11	2	2	7	0
	1730	30	1007.8	1004.4	-1.0	36.3	24.1	17.3	20.0	34	+ 5	0.0	-1.0	1.9	0	0	21	02	0	0	0	2	1	11	5	10	0
IDAR	0830	219	1012.2	987.5	+0.0	26.1	15.5	3.7	9.8	29	- 5	2.3	+0.6	10.5	1	1	19	05	7	0	3	0	4	1	1	9	0
	1730	219	1007.6	983.7	-0.3	35.9	18.6	2.1	7.4	13	- 4	1.6	-0.3	6.7	0	0	24	00	0	2	1	0	6	7	8	7	0
AHMADABAD	0230	55	1009.9	1003.6	..	24.5	15.9	7.9	11.1	37	..	1.2	..	7.1	0	0	23	03	4	0	0	0	2	9	5	8	0
	0530	55	1009.9	1003.5	..	21.9	15.8	10.0	13.0	50	..	1.3	..	6.8	0	0	21	01	5	1	0	0	2	6	6	10	0
	0830	55	1012.0	1005.7	-0.2	24.0	16.9	10.3	13.6	47	+ 0	2.4	+1.1	10.2	0	0	27	01	4	3	3	0	1	6	9	4	0
	1130	55	1012.4	1006.2	..	32.9	20.0	8.8	12.9	28	..	2.3	..	16.4	0	7	24	02	3	8	4	4	0	3	7	0	0
	1430	55	1009.2	1003.1	..	36.9	20.5	6.8	10.8	18	..	2.3	..	14.7	0	3	28	03	1	6	4	6	1	6	3	0	1
	1730	55	1007.6	1001.5	-0.6	37.0	20.2	5.7	9.9	17	- 3	2.4	+1.0	13.5	0	6	25	06	1	2	2	2	4	7	6	0	1
	2030	55	1009.2	1003.0	..	30.8	18.6	8.5	11.5	27	..	1.6	..	6.3	0	2	17	05	2	0	0	2	4	2	4	12	0
	2330	55	1010.3	1004.0	..	27.1	17.2	8.4	11.6	33	..	1.2	..	7.2	0	0	22	03	2	0	0	2	6	4	5	9	0
DOHAD	0830	333	1012.1	974.6	-0.3	24.8	15.6	6.6	10.3	35	- 2	1.8	+0.7	9.5	0	4	25	00	4	5	2	3	5	7	3	2	0
	1730	333	1006.6	970.6	-0.6	36.2	19.8	5.0	9.7	17	+ 1	2.2	+0.9	15.7	0	12	18	01	0	2	1	3	4	8	11	1	0
VALLABH VIDYANAGAR	0830	44	1011.9	1006.9	..	21.8	17.4	14.7	16.3	64	..	1.5	..	3.3	0	0	27	03	4	2	3	4	3	2	6	4	0
	1730	44	1007.9	1003.1	..	36.6	21.7	11.6	13.7	23	..	1.9	..	4.1	0	0	31	04	3	0	0	0	9	3	12	0	0
BARODA AERODROME	0830	38	1012.3	1008.0	-0.1	24.5	17.6	11.4	14.5	49	+ 1	2.2	+1.3	8.8	0	3	23	03	2	3	3	2	8	1	2	5	2
	1130	38	1012.2	1008.0	..	33.2	20.2	9.8	13.1	28	..	2.1	..	9.7	0	5	22	04	3	7	1	2	4	3	2	4	1
	1730	38	1007.7	1003.5	-0.3	36.8	19.7	4.7	9.0	15	- 5	2.4	+1.3	12.7	0	2	29	03	0	1	0	0	4	8	14	0	1
BARODA	0530	34	1009.8	1005.8	..	22.1	16.9	12.5	15.1	57	..	0.9	..	2.8	0	0	21	00	7	1	1	2	7	0	3	10	0
	0830	34	1012.3	1008.2	-0.4	23.7	17.6	12.5	15.2	53	+ 0	1.8	+0.9	3.0	0	0	23	01	7	0	1	0	11	0	3	8	0
	1130	34	1012.4	1008.5	..	33.8	20.6	10.4	13.5	27	..	1.5	..	3.5	0	0	26	01	8	2	2	0	5	2	6	5	0
	1730	34	1007.7	1004.1	+0.0	38.1	20.7	6.8	9.8	16	- 6	1.8	+0.8	4.8	0	0	27	01	1	0	0	0	10	0	15	4	0
	2330	34	1010.4	1006.5	..	27.1	18.2	11.2	13.7	40	..	1.4	..	2.7	0	0	21	00	2	0	0	0	12	0	7	10	0
BROACH	0830	17	..	..	..	22.8	20.1	18.1	20.5	77	+18	2.1	+0.9	7.1	0	1	28	02	2	6	6	3	3	2	5	2	0
	1730	17	..	..	..	37.1	25.5	19.4	22.9	37	+16	2.5	+1.4	16.5	0	11	20	02	1	0	0	1	13	4	10	0	0
SURAT	0530	12	1010.3	1008.9	..	22.4	19.6	18.0	20.8	79	..	0.8	..	5.8	0	0	30	00	9	0	6	0	6	0	9	1	0
	0830	12	1012.6	1011.1	+0.0	23.4	19.9	17.4	20.4	71	+ 8	1.6	+0.1	5.7	0	0	30	00	12	0	11	0	4	0	3	1	0
	1130	12	1013.0	1011.7	..	31.7	21.7	15.2	17.8	39	..	1.9	..	8.4	0	0	30	00	10	0	1	0	10	0	9	1	0
	1730	12	1008.4	1007.1	+0.0	34.4	21.9	13.7	16.1	32	- 1	2.2	+0.9	9.2	0	0	31	00	0	0	1	0	17	0	13	0	0
	2330	12	1011.3	1010.0	..	25.1	21.3	19.0	22.2	71	..	1.1	..	6.5	0	0	31	00	5	0	2	0	14	0	10	0	0
SAURASHTRA AND KUTCH(INCLUDING DIU)																											
NALIYA	0830	21	1012.4	1009.5	-0.7	20.9	18.9	17.3	20.2	82	+ 2	3.2	+0.9	4.6	0	0	25	03	2	1	1	2	7	5	4	6	0
	1730	21	1009.2	1006.8	-0.8	30.5	21.9	15.7	19.3	47	+ 7	2.1	+0.6	15.4	0	7	24	00	3	0	0	0	17	10	1	0	0
BHUJ	0230	80	1010.5	1001.3	..	23.1	18.6	15.2	17.8	65	..	1.0	..	5.0	0	0	14	01	0	0	0	0	4	7	2	17	0
	0530	80	1010.5	1001.2	..	21.0	17.6	14.9	17.4	69	..	1.6	..	4.7	0	1	15	00	1	0	0	0	8	6	1	15	0
	0830	80	1012.3	1003.0	-0.2	22.8	18.6	15.5	18.1	66	+ 7	2.1	+1.1	5.4	0	3	12	00	0	0	0	1	5	7	2	16	0
	1130	80	1012.5	1003.5	..	31.5	20.6	12.5	15.4	34	..	2.1	..	14.3	0	6	22	06	6	2	0	0	0	7	7	3	0
	1430	80	1009.6	1000.7	..	35.6	21.9	12.3	14.7	26	..	1.8	..	13.3	0	3	25	03	5	4	2	1	1	8	4	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – MARCH 1969 (PHALGUNA 10, 1890 - CHAITRA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gram. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SURASHTRA AND KUTCH (INCLUDING DIU) (CONTD.)																											
BHUJ (RUDRAMATA)	1730	80	1008.2	999.3	-0.4	35.2	21.6	12.0	14.7	28	+ 2	1.8	+0.7	16.3	0	12	17	06	2	3	0	0	6	8	4	2	0
	2030	80	1010.0	1001.0	..	29.6	20.7	14.3	17.1	43	..	0.8	..	12.7	0	6	24	03	3	0	0	0	7	14	3	1	0
	2330	80	1011.0	1001.8	..	25.2	19.7	15.5	18.5	59	..	1.2	..	9.6	0	1	24	01	1	0	0	0	8	11	4	6	0
KANDLA AERODROME	0830	35	1012.7	1008.7	..	24.2	17.9	12.0	15.4	53	..	2.5	..	15.2	0	10	19	02	0	0	0	1	8	5	13	2	0
	1130	35	1012.8	1008.9	..	32.6	19.6	8.5	12.3	26	..	2.0	..	17.9	0	9	21	05	3	1	1	0	4	7	9	1	0
	1730	35	1008.5	1004.7	..	35.5	20.3	7.7	11.5	21	..	1.5	..	21.9	0	18	12	01	2	1	3	12	8	2	1	1	0
NEW KANDLA	0830	14	1012.8	1011.1	-0.4	23.5	18.3	13.8	16.7	59	- 6	3.2	+0.8	8.9	0	1	29	09	0	0	1	0	5	10	5	1	0
	1730	14	1009.0	1007.4	-0.9	32.4	20.8	11.7	15.1	33	- 5	1.9	+0.2	16.6	0	9	21	02	2	0	0	5	15	6	0	1	0
MANDVI	0830	9	1012.9	1011.8	+0.1	22.7	19.7	17.4	20.5	76	- 4	3.6	+2.1	14.6	0	7	24	04	1	0	0	0	7	9	10	0	0
	1730	9	1009.5	1008.5	-0.7	27.1	23.8	22.1	26.9	74	- 3	2.4	+1.1	30.3	0	29	2	00	0	0	0	0	17	14	0	0	0
SURENDRANAGAR	0830		(R)																								
	1730		(R)																								
OKHA	0530	7	1011.0	1010.2	+0.2	23.3	21.6	20.7	24.4	86	+63	2.1	+0.7	19.4	0	19	12	06	1	0	0	0	1	9	14	0	0
	0830	7	1013.0	1012.2	..	23.8	21.8	20.7	24.4	83	..	3.0	..	16.2	0	10	21	08	1	0	0	0	0	9	13	0	0
	1130	7	1013.9	1013.1	..	25.8	22.2	20.1	23.8	72	..	2.4	..	15.9	0	8	23	04	0	2	0	0	3	5	17	0	0
	1730	7	1010.2	1009.4	..	25.9	23.0	21.5	25.6	78	..	1.9	..	22.3	0	25	6	00	0	0	0	0	2	11	18	0	0
	2330	7	1012.1	1011.3	..	23.8	22.4	21.6	25.9	88	..	1.6	..	21.0	0	17	14	02	0	0	0	0	2	12	15	0	0
JAMNAGAR AERODROME	0530	23	1010.7	1008.3	..	19.3	18.3	17.6	20.1	91	..	2.4	..	8.1	0	2	25	07	0	0	0	1	7	9	3	4	0
	0830	23	1012.6	1010.2	-0.5	21.7	20.1	19.0	22.2	85	+14	3.6	+1.7	6.7	0	0	26	07	1	0	0	1	5	9	3	5	0
	1130	23	1013.1	1010.8	..	29.2	21.4	16.2	19.1	48	..	2.6	..	13.6	0	4	26	08	4	0	0	0	1	6	11	1	0
	1730	23	1009.1	1006.8	+0.0	30.5	22.5	16.9	19.3	49	+11	1.7	+0.4	23.0	0	16	15	07	1	0	0	0	0	6	17	0	0
	2330	23	1011.5	1009.2	..	22.9	20.9	19.6	23.1	83	..	1.3	..	13.4	0	2	28	05	0	0	0	0	2	15	8	1	0
DWARKA	0830	11	1011.4	1010.3	-1.8	24.0	22.6	21.9	26.3	89	+11	2.8	+1.0	11.5	0	1	30	08	2	0	0	0	1	8	11	0	1
	1730	11	1010.2	1008.9	-0.4	26.2	24.5	23.7	29.8	87	+19	2.0	[illegible]	16.7	0	8	23	02	0	0	0	0	1	10	18	0	0
RAJKOT	0530	138	1010.7	994.8	..	20.1	16.5	13.1	15.1	68	..	1.4	..	10.6	0	3	23	00	1	0	0	1	7	8	9	5	0
	0830	138	1012.6	996.8	-0.3	22.3	18.5	15.3	18.2	69	+ 6	1.8	+0.2	10.6	0	5	19	01	0	0	0	0	7	3	12	7	1
	1130	138	1012.4	997.0	..	31.7	19.8	10.4	13.4	30	..	0.7	..	18.2	0	16	15	01	4	2	0	0	1	3	19	0	1
	1430	138	1009.1	994.0	..	35.8	20.0	7.1	10.5	18	..	0.9	..	15.9	0	10	21	03	5	0	1	0	2	4	13	0	3
	1730	138	1007.7	992.6	-0.4	36.1	19.7	5.9	9.6	17	+ 0	0.9	-0.5	20.3	0	18	13	02	4	0	0	0	2	4	17	0	2
BHAVNAGAR AERODROME	0830	11	1012.3	1011.1	-0.5	[illegible]	17.3	11.1	13.9	47	+ 8	2.2	+1.2	14.5	0	4	26	02	1	0	0	2	7	9	9	1	0
	1130	11	1012.8	1011.6	..	31.5	20.1	11.3	14.3	32	..	2.0	..	17.7	0	11	20	04	10	7	2	1	1	0	6	0	0
	1730	11	1008.0	1006.8	-0.6	[illegible]	20.0	7.5	11.0	20	- 2	2.2	+0.9	21.6	0	19	12	00	5	9	10	6	1	0	0	0	0
PORBANDER AERODROME	0830	7	1012.7	1011.9	+0.2	[illegible]	20.2	18.0	21.0	75	+ 1	2.7	+1.6	12.5	0	5	22	06	0	0	1	0	2	1	17	4	0
	1130	7	1013.1	1012.3	..	30.2	21.0	14.1	17.0	42	..	2.1	..	21.2	0	21	10	04	3	0	1	0	6	5	12	0	0
	1730	7	1009.5	1008.7	-0.4	29.0	22.2	18.0	21.0	54	- 8	1.8	+0.4	27.2	0	30	0	00	0	0	0	0	7	23	0	1	0
KESHOD	0830	51	1012.5	1006.6	-0.8	[illegible]	18.3	15.6	18.3	72	+ 8	2.4	+1.1	10.5	0	1	29	06	10	1	0	1	1	4	7	1	0
	1130	51	1012.5	1006.8	..	31.3	19.4	9.4	12.9	29	..	1.9	..	16.1	0	7	24	11	7	1	0	0	0	3	9	0	0
	1730	51	1008.7	1003.0	-0.9	33.1	20.6	10.7	13.7	30	+ 0	1.6	+0.9	29.4	0	29	2	01	0	0	0	0	5	18	7	0	0
MAHUVA	0830	9	1011.7	1010.7	..	23.3	[illegible]	16.8	19.1	70	..	3.4	..	4.5	0	0	26	01	9	0	3	0	2	0	11	5	0
	1730	9	1008.8	1007.8	..	30.4	24.2	21.0	22.7	58	..	2.6	..	9.7	0	2	29	00	1	0	6	6	16	1	0	0	1
VERAVAL	0230	8	1010.8	1009.9	..	22.1	20.3	19.1	22.4	84	..	1.8	..	11.7	0	0	28	07	0	0	0	0	0	8	13	3	0
	0530	8	1010.4	1009.5	..	20.8	18.8	17.3	20.1	82	..	2.2	..	11.7	0	3	24	14	0	0	0	0	0	4	9	4	0
	0830	8	1012.3	1011.4	-0.5	22.0	19.6	17.9	20.6	79	+16	2.7	+1.5	13.5	0	6	22	15	3	0	0	0	0	1	9	3	0
	1130	8	1012.9	1012.0	..	30.0	23.1	18.5	22.7	58	..	2.3	..	18.8	0	14	17	07	3	0	0	0	3	10	8	0	0
	1430	8	1010.6	1009.5	..	28.2	25.2	23.8	29.7	78	..	2.7	..	23.8	0	27	4	01	0	0	0	0	5	20	5	0	0
	1730	8	1009.4	1008.5	+0.0	26.7	24.8	23.9	29.7	85	+12	2.5	+1.6	23.1	0	25	5	01	0	0	0	1	4	16	8	1	0
	2030	8	1010.9	1010.0	..	24.9	23.4	22.6	27.8	88	..	1.4	..	16.2	0	15	13	00	0	0	0	0	1	13	14	3	0
	2330	8	1011.7	1010.8	..	23.9	22.4	21.5	25.9	87	..	1.5	..	12.5	0	3	26	05	0	0	0	0	2	6	16	2	0
DIU	0830		1012.8	1011.0	..	23.9	18.9	15.0	17.7	61	..	1.6	..	6.2	0	0	26	01	0	0	1	1	1	5	17	5	0
	1730		1009.9	1008.3	..	27.7	23.3	20.9	24.7	68	..	1.3	..	18.9	0	19	12	00	0	0	0	7	20	4	0	0	0
KONKAN (INCLUDING GOA)																											
DAHANU	0830	5	1011.8	1011.3	+0.0	23.3	21.1	19.8	23.2	81	+13	.	..	5.1	0	0	27	01	4	6	14	0	0	1	1	3	0
	1730	5	1008.6	1008.4	+0.2	28.5	25.9	24.7	31.3	78	+11	.	..	11.7	0	1	28	00	1	0	0	0	1	16	11	0	0
BOMBAY (SANTACRUZ)	0230	14	1010.3	1008.6	+0.4	23.6	21.2	20.1	23.5	83	+16	1.9	+0.8	2.9	0	0	12	05	1	1	0	0	0	0	5	19	0
	0530	14	1010.1	1008.4	..	22.7	20.5	19.1	22.4	82	..	2.1	..	2.6	0	0	16	03	8	3	0	0	0	1	1	15	0
	0830	14	1012.3	1010.6	+0.3	25.6	21.3	18.7	21.6	67	+ 2	2.7	+1.2	3.7	0	1	17	01	7	8	0	0	0	0	2	13	0
	1130	14	1012.5	1010.9	..	30.9	23.5	19.5	22.9	52	..	1.8	..	11.6	0	2	28	02	1	0	0	1	2	20	4	1	0
	1430	14	1009.7	1008.1	..	31.0	23.4	19.6	22.4	52	..	2.4	..	17.8	0	11	20	00	0	0	0	0	0	17	14	0	0
	1730	14	1008.6	1007.0	-0.1	29.6	23.3	20.0	23.5	58	+ 8	2.2	+1.0	18.9	0	16	15	00	0	0	0	0	0	7	24	0	0
	2030	14	1010.3	1008.7	..	26.6	22.7	20.6	24.4	71	..	1.2	..	9.4	0	1	28	03	0	0	0	0	0	5	21	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – MARCH 1969 PHALGUNA 10, 1890 - CHAITRA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KONKAN (INCLUDING GOA) (CONTD.)																											
BOMBAY (SANTACRUZ)	2330	14	1011.3	1009.6	..	24.7	22.2	20.8	24.7	80	..	1.4	..	4.8	0	0	18	02	1	0	0	1	1	1	12	13	0
BOMBAY	0830	11	1012.4	1011.2	+0.5	25.2	22.6	21.3	25.3	79	+ 7	2.4	+1.1	4.9	0	0	25	04	7	6	6	1	0	1	0	6	0
	1130	11	1012.6	1011.4	..	29.5	24.2	21.9	25.9	64	..	1.8	..	8.6	0	1	30	03	0	0	4	1	3	5	14	0	1
	1730	11	1008.8	1007.6	+0.0	28.5	24.4	22.5	27.3	70	+ 7	1.5	+0.6	14.4	0	8	23	05	0	0	0	0	0	8	18	0	0
ALIBAG	0830	7	1012.2	1011.4	+0.0	25.0	21.8	20.0	23.5	75	+ 4	2.7	+1.5	3.5	0	0	23	02	10	5	5	1	0	0	0	8	0
BHIRA	0830	96	1011.9	1001.2	..	23.0	19.0	16.4	18.8	68	..	2.3	..	0.3	0	0	4	00	0	1	1	0	0	1	1	26	0
	1730	96	1006.5	996.0	..	36.7	22.5	13.4	15.6	26	..	2.1	..	6.4	0	0	28	01	0	0	0	1	6	15	5	0	0
HARNAI	0830		(R)																								
	1730		(R)																								
RATNAGIRI	0830	35	1011.4	1007.4	-0.2	25.1	23.3	21.6	26.9	81	+ 7	3.3	+1.3	5.0	0	0	30	00	4	13	7	1	0	0	1	1	4
	1730	35	1008.1	1004.2	-0.1	29.6	24.7	22.3	26.7	65	+ 1	2.3	+0.4	5.8	0	0	30	00	0	0	0	0	0	16	14	1	0
DEVGARH	0830	36	1011.9	1007.9	+0.2	25.6	23.3	22.1	26.6	82	+ 5	3.2	+0.7	7.6	0	0	30	04	8	11	6	1	0	0	0	1	0
	1730	36	1008.6	1004.6	+0.1	30.0	25.4	23.3	27.6	67	- 1	2.1	+0.2	22.1	0	16	15	00	0	0	0	0	0	13	18	0	0
VENGURLA	0230	9	1010.5	1009.5	..	24.3	22.6	21.8	25.9	86	..	1.1	..	0.6	0	0	5	04	0	0	0	0	0	0	1	26	0
	0530	9	1010.1	1009.1	..	23.3	22.1	21.4	25.5	90	..	1.8	..	1.6	0	0	12	10	0	1	1	0	0	0	0	29	0
	0830	9	1012.5	1011.5	+0.4	26.3	23.4	22.0	26.3	77	+ 2	2.2	+0.3	2.1	0	0	13	03	2	1	1	1	2	1	2	18	0
	1130	9	1012.4	1011.4	..	30.7	24.9	21.9	26.9	61	..	2.0	..	6.1	0	0	31	00	0	1	0	5	21	3	1	0	0
	1730	9	1009.0	1008.0	+0.3	29.5	25.0	22.8	27.9	68	+ 6	2.4	+0.8	6.5	0	0	31	00	0	0	0	0	0	7	22	2	0
	2330	9	1011.5	1010.5	..	25.6	23.4	22.2	26.9	82	..	1.2	..	2.5	0	0	15	11	0	0	0	0	0	0	4	16	0
PANJIM	0530	60	1009.7	1002.8	..	24.7	23.1	22.2	26.6	86	..	3.1	..	5.3	0	0	25	10	7	5	2	1	0	0	0	6	0
	0830	60	1011.9	1005.1	..	25.7	23.4	22.2	26.9	81	..	3.7	..	6.4	0	0	27	06	8	11	1	1	0	0	0	4	0
	1130	60	1012.0	1005.3	..	30.4	24.7	21.9	26.4	61	..	3.3	..	13.5	0	3	28	00	0	0	0	2	16	13	0	0	0
	1430	60	1009.2	1002.5	..	31.1	25.2	22.5	27.3	61	..	2.7	..	17.5	0	11	20	00	0	0	0	0	14	16	1	0	0
	1730	60	1008.5	1001.8	..	29.7	24.9	22.6	27.6	66	..	3.3	..	14.8	0	7	24	00	0	0	0	0	6	20	5	0	0
	2030	60	1010.3	1003.5	..	27.6	24.2	22.5	27.4	74	..	3.2	..	8.3	0	3	25	03	0	0	0	0	3	8	14	3	0
	2330	60	1011.1	1004.3	..	26.6	23.8	22.5	27.3	78	..	2.9	..	7.2	0	1	26	08	0	1	0	0	1	2	15	4	0
MORMUGAO	0530		(R)																								
	0830		(R)																								
	1130		(R)																								
	1730		(R)																								
MASOLIM (NAVAL AIR STN.)	0530	52	1009.9	1004.1	+2.8	25.3	23.4	22.5	27.3	85	+16	3.2	+1.2	7.1	0	4	15	10	3	0	3	1	2	0	0	12	0
	0830	52	1012.2	1006.3	..	26.6	24.0	22.7	27.9	79	..	3.4	..	4.0	0	1	15	06	4	0	2	1	0	0	0	15	3
	1130	52	1012.5	1006.7	..	29.4	24.[illegible]	22.3	27.3	66	..	2.9	..	11.2	0	0	31	00	0	0	1	3	14	9	3	0	1
	1730	52	1008.6	1002.8	..	29.6	24.9	22.6	27.6	66	..	3.4	..	16.1	0	6	25	00	0	0	0	0	3	17	11	0	0
	2330	52	1011.0	1005.3	..	27.1	24.4	23.0	28.1	79	..	3.0	..	9.0	0	1	26	15	0	0	0	0	1	0	11	4	0
MADHYA MAHARASHTRA																											
NANDURBAR	0830	206	1012.1	988.6	-0.7	27.5	20.2	14.7	17.1	51	+ 5	0.6	-0.3	5.0	0	0	16	00	1	0	0	0	14	0	1	15	0
	1730	206	1007.2	984.9	+0.1	36.9	23.0	13.9	16.9	27	+ 7	0.0	-1.2	5.5	0	0	24	00	0	0	0	0	17	1	6	7	0
JALGAON	0830	201	1012.0	989.2	+0.4	25.8	15.7	6.0	9.7	30	- 8	1.6	+0.6	12.7	0	8	22	00	1	5	2	[illegible]	6	10	5	1	0
	1730	201	1006.2	984.4	+0.0	38.8	19.5	1.5	6.9	10	- 3	2.1	+0.6	12.5	0	3	28	04	0	0	0	1	2	16	8	0	0
MALEGAON	0830	437	1012.5	963.4	+0.3	24.0	15.2	6.8	10.2	34	- 1	1.5	+0.4	3.5	0	0	22	00	1	0	0	0	7	1	13	9	0
	1730	437	1005.8	959.0	+0.2	36.9	19.6	4.1	8.9	14	- 4	2.0	+0.1	6.4	0	1	28	04	2	0	1	2	4	0	16	2	0
NASIK	0230	608	1010.5	942.5	..	20.8	14.1	8.4	11.0	46	..	2.4	..	9.7	0	3	19	01	0	0	0	0	0	9	12	9	0
	0530	608	1010.9	942.5	..	19.2	13.4	8.3	10.9	51	..	2.1	..	9.6	0	1	23	01	0	0	0	0	0	11	12	7	0
	0830	608	1011.8	944.5	..	24.1	15.7	9.1	11.8	39	..	2.7	..	5.7	0	2	11	02	1	0	0	0	0	2	8	18	0
	1130	608	1009.9	944.5	..	32.9	18.5	7.[illegible]	10.4	22	..	2.2	..	9.8	0	3	23	02	5	4	2	1	1	4	6	5	1
	1430	608	1006.4	941.7	..	35.5	19.4	3.4	10.6	20	..	3.3	..	14.6	0	10	17	02	1	0	2	2	5	4	11	4	0
	1730	608	1005.7	940.9	..	34.2	19.4	8.8	11.3	22	..	3.1	..	21.1	0	18	12	02	0	1	0	0	1	10	16	1	0
	2030	608	1009.2	942.8	..	27.8	16.9	8.4	11.0	31	..	2.3	..	15.6	0	10	20	01	0	0	0	0	0	10	19	1	0
	2330	608	1010.7	943.5	..	24.1	15.9	9.0	10.7	40	..	1.4	..	12.0	0	4	22	00	0	1	0	0	0	10	15	5	0
AHMADNAGAR	0830	657	1012.4	939.4	+0.3	22.8	14.0	6.6	9.7	37	+ 3	2.4	+1.4	2.8	0	0	18	01	2	0	0	0	0	0	15	13	0
	1730	657	1004.5	935.3	+0.3	36.6	19.1	5.5	9.4	15	- 2	3.8	+1.7	6.7	0	1	29	01	1	0	3	0	7	0	18	1	0
POONA AERODROME	0230	593	1010.3	944.2	..	22.0	14.8	8.7	11.6	44	..	1.4	..	7.5	0	0	23	00	0	0	0	0	0	20	3	8	0
	0530	593	1010.6	944.1	..	20.3	13.9	8.[illegible]	11.2	48	..	1.5	..	8.3	0	0	22	00	0	0	0	0	1	17	4	9	0
	0830	593	1012.0	946.1	..	23.6	15.5	9.0	11.7	41	..	2.5	..	7.2	0	0	21	00	0	0	1	0	0	17	3	10	0
	1130	593	1010.0	946.2	..	33.0	17.9	5.7	9.5	19	..	1.9	..	13.3	0	4	25	03	6	12	1	0	0	4	2	2	1
	1730	593	1005.1	941.9	..	35.0	18.6	5.6	9.4	17	..	3.5	..	24.8	0	21	9	00	0	0	0	1	0	19	8	1	2
	2330	593	1010.7	945.1	..	24.8	16.5	10.1	12.7	41	..	1.1	..	13.6	0	1	29	03	0	1	0	1	0	23	2	1	0
POONA	0530	559	1011.6	948.2	..	18.1	13.4	9.6	11.9	58	..	1.2	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	0830	559	1012.6	950.2	+0.4	23.1	16.3	11.3	13.6	48	+ 4	2.7	+1.8	0.1	0	0	1	00	0	0	0	0	0	1	0	30	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MARCH 1969 PHALGUNA 10, 1890 - CHAITRA 10, 1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD.)																											
POONA	1130	559	1010.5	950.1	..	33.1	19.0	8.8	11.6	23	..	2.4	..	4.3	0	0	24	00	3	14	2	0	0	2	3	7	0
	1430	559	1006.4	946.9	..	36.3	19.9	8.2	11.4	19	..	3.6	..	4.6	0	0	23	00	2	7	3	0	2	5	4	8	0
	1730	559	1005.7	946.0	+0.4	35.0	20.1	10.0	12.6	23	+ 3	3.9	+2.1	8.1	0	0	28	01	1	2	1	0	0	14	9	3	0
	2030	559	1009.2	948.2	..	29.3	19.4	13.0	15.3	38	..	1.5	..	6.2	0	0	28	01	0	0	0	0	0	24	3	3	0
	2330	559	1011.2	949.2	..	24.8	17.1	11.6	13.9	45	..	1.1	..	2.1	0	0	10	00	0	0	0	0	1	9	0	21	0
JEUR	0830	521	1012.1	954.3	+0.7	25.3	17.1	11.1	13.6	43	+ 1	1.0	-0.2	2.4	0	0	31	24	0	3	0	2	0	1	1	0	0
	1730	521	1005.1	949.7	+0.7	36.5	22.9	15.0	17.8	30	+ 6	1.9	-0.4	2.9	0	0	31	06	3	3	0	5	3	9	2	0	0
BARAMATI	0830	551	1012.3	951.0	+0.1	23.7	15.6	9.2	11.8	40	- 5	1.5	+0.4	5.9	0	0	24	02	1	0	0	3	0	7	11	7	0
	1730	551	1004.5	946.1	-0.1	36.6	19.5	6.9	10.2	17	- 5	3.2	+1.1	11.6	0	5	26	04	2	2	1	4	5	7	6	0	0
SHOLAPUR	0530	479	1009.6	956.3	..	24.4	16.1	9.6	12.2	40	..	1.8	..	4.4	0	0	28	04	14	0	7	1	1	1	0	3	0
	0830	479	1011.6	958.8	+0.5	28.1	17.9	10.5	11.7	35	- 1	1.5	+0.4	5.0	0	0	29	02	16	1	7	0	2	0	1	2	0
	1130	479	1009.8	958.3	..	35.0	20.6	11.0	13.7	25	..	1.4	..	7.5	0	0	31	02	15	1	6	2	5	0	0	0	0
	1430	479	1005.8	954.9	..	38.1	21.5	11.0	13.4	20	..	2.8	..	6.0	0	0	28	01	10	0	8	3	4	1	1	3	0
	1730	479	1004.6	953.8	+0.2	37.5	21.2	10.6	13.2	20	+ 1	3.2	+0.8	5.5	0	0	29	05	7	1	6	3	3	1	3	2	0
	2330	479	1009.3	956.8	..	29.4	18.0	9.8	10.9	31	..	2.0	..	6.2	0	1	26	02	8	0	11	0	2	2	2	4	0
MIRAJ	0830		(R)																								
	1730		(R)																								
KOLHAPUR	0530	570	1010.0	946.3	+0.7	20.9	17.1	14.3	16.7	68	+43	2.2	-0.1	2.8	0	0	13	00	2	7	0	0	0	4	0	18	0
	0830	570	1011.8	948.5	+0.0	23.7	17.7	13.3	15.7	55	+ 0	2.3	+1.0	2.4	0	0	12	00	2	4	0	0	0	4	2	19	0
	1130	570	1009.6	948.5	..	33.6	18.7	7.6	10.7	21	..	1.6	..	10.5	0	2	27	04	12	7	1	0	0	1	4	2	0
	1730	570	1005.1	944.2	+0.0	35.8	20.9	12.5	15.3	30	+ 4	3.4	+1.6	16.1	0	10	20	00	0	1	0	0	1	19	9	1	0
	2330	570	1010.5	947.4	..	24.4	19.4	16.5	18.9	63	..	2.1	..	7.9	0	0	28	02	3	7	0	0	0	14	2	3	0
NASIK	0830		..	..	..	24.9	20.7	18.5	21.0	66	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SANGLI	0830		(R)																								
	1730		(R)																								
MARATHWADA																											
AURANGABAD	0830	581	1012.1	948.2	+0.5	26.6	14.9	4.3	8.4	25	- 8	2.3	+1.2	2.6	0	0	12	01	3	3	0	0	0	5	0	19	0
	1730	581	1005.8	944.1	+0.5	35.9	18.1	1.8	7.7	12	- 6	4.8	+2.8	6.4	0	1	28	02	1	3	2	1	0	13	7	2	0
AURANGABAD(CHIKALTHAN)	0230	579	1009.7	945.3	..	23.7	14.0	5.8	10.4	33	..	1.9	..	10.1	0	2	22	04	0	1	0	0	1	13	5	7	0
	0530	579	1010.4	945.5	..	20.4	12.6	5.4	9.3	38	..	2.1	..	6.8	0	0	21	01	1	0	0	1	2	11	5	10	0
	0830	579	1011.3	947.6	+0.1	26.7	14.0	7.3	8.6	30	- 7	2.2	+1.2	11.2	0	4	23	04	1	2	1	0	5	7	7	4	0
	1130	579	1009.5	947.6	..	33.9	18.5	6.6	10.4	19	..	1.7	..	18.7	0	11	20	05	3	7	2	2	4	5	3	0	0
	1430	579	1006.1	944.5	..	36.0	19.8	8.1	11.3	19	..	3.4	..	15.5	0	6	25	04	3	0	0	1	4	7	10	0	2
	1730	579	1005.0	943.5	+0.1	35.6	19.4	7.3	10.8	19	- 5	3.5	+1.4	16.1	0	5	26	07	0	0	1	0	4	9	10	0	0
	2030	579	1008.5	945.3	..	28.5	16.2	6.1	9.5	25	..	2.3	..	10.7	0	2	26	12	0	0	1	0	0	8	7	3	0
	2330	579	1010.0	946.1	..	25.7	15.1	5.9	9.3	30	..	1.8	..	10.8	0	2	24	02	1	2	0	0	0	9	12	5	0
PARBHANI	0830	423	1012.1	964.9	+0.1	26.5	15.1	3.5	8.0	23	-11	1.0	-0.3	5.9	0	0	31	04	1	3	0	1	0	20	2	0	0
	1730	423	1005.2	960.1	-0.1	37.9	18.9	0.4	6.4	10	- 8	3.2	+0.9	8.1	0	1	30	06	2	4	4	1	1	9	4	0	0
NANDER	0830	358	1011.8	971.9	..	27.3	18.1	11.1	12.8	39	..	1.1	..	3.7	0	0	20	01	3	0	1	0	5	2	8	11	0
	1730	358	1005.1	966.7	..	37.5	22.8	13.1	15.1	24	..	2.3	..	3.3	0	0	18	00	3	0	0	0	5	0	10	13	0
BIR	0830	519	1012.8	954.5	..	22.1	15.5	10.5	12.9	49	..	2.5	..	1.0	0	0	8	00	0	0	4	0	4	0	0	23	0
	1730	519	1005.3	950.1	..	36.6	21.1	11.1	13.6	22	..	2.7	..	5.5	0	0	26	01	8	1	6	0	4	0	6	5	0
VIDARBHA																											
GONDIA	0830	313	1011.6	976.6	-0.4	26.9	17.0	9.0	11.8	34	-10	1.3	-0.4	1.5	0	0	14	01	0	1	2	1	6	0	3	17	0
	1730	313	1005.8	972.2	-0.3	35.6	19.2	4.2	8.6	15	- 5	1.4	-0.6	2.2	0	0	21	11	2	0	0	2	4	1	1	10	0
NAGPUR (SONEGAON)	0230	310	1008.6	973.7	..	24.[illegible]	16.5	9.9	12.4	41	..	1.5	..	3.4	0	0	21	05	3	1	0	1	1	1	9	10	0
	0530	310	1009.4	974.2	..	22.7	15.6	9.5	12.1	45	..	1.6	..	3.0	0	0	18	05	3	1	0	0	0	3	6	13	0
	0830	310	1011.4	976.8	-0.3	27.6	18.3	11.0	13.7	37	- 3	1.9	+0.2	5.8	0	0	28	04	8	4	2	2	1	1	6	3	0
	1130	310	1010.1	976.3	..	35.4	21.9	12.3	15.4	27	..	1.7	..	7.7	0	1	30	00	7	5	6	3	3	3	4	0	0
	1430	310	1006.2	972.9	..	38.1	22.6	11.9	15.0	23	..	2.9	..	7.7	0	1	27	02	5	3	1	1	7	2	6	3	1
	1730	310	1005.3	971.9	-0.4	36.9	22.0	11.6	14.6	24	+ 0	3.5	+1.1	7.1	0	1	23	05	5	0	1	2	2	4	5	7	0
	2030	310	1008.1	973.9	..	30.3	19.5	11.3	13.9	33	..	2.5	..	4.8	0	0	22	03	0	7	4	2	1	3	2	9	0
	2330	310	1009.3	974.7	..	27.5	17.9	10.2	12.9	36	..	1.9	..	4.2	0	0	19	05	1	2	1	0	1	2	7	12	0
AMRAUTI	0830	370	1011.0	970.0	-0.1	28.1	18.9	12.1	14.5	38	+ 5	1.8	+0.4	3.1	0	0	29	03	7	3	0	1	10	4	1	2	0
	1730	370	1005.2	965.5	-0.2	37.2	23.5	15.2	17.9	28	+ 3	2.9	+0.2	6.1	0	1	29	03	1	0	3	2	4	11	6	1	0
AKOLA AERODRUME	0530	309	1008.7	973.9	..	23.9	13.7	2.6	7.5	25	..	2.7	..	7.2	0	0	30	00	3	3	1	2	9	10	2	1	0
	0830	309	1010.8	976.2	..	26.9	15.5	4.1	8.4	24	..	2.4	..	7.9	0	0	31	03	1	2	0	3	6	6	10	0	0
	1130	309	1009.9	976.2	..	35.4	19.1	4.9	8.8	16	..	2.1	..	8.2	0	0	31	03	2	6	2	1	3	6	8	0	0
	1430	309	1006.1	972.9	..	38.4	19.8	3.3	7.9	12	..	2.8	..	8.6	0	2	28	02	1	3	0	3	4	11	6	1	0
	1730	309	1004.7	971.5	..	37.9	19.2	1.7	7.0	11	..	3.4	..	9.9	0	1	29	01	0	0	0	1	3	13	12	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – MARCH 1969 PHALGUNA 10, 1890 - CHAITRA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VIDARBHA(CONTD)																											
AKOLA AERODROME	2030	309	1007.1	973.2	..	32.4	17.2	2.3	7.3	15	..	2.8	..	5.9	0	0	31	04	0	0	0	2	5	11	9	0	0
	2330	309	1008.5	974.2	..	29.0	15.6	1.6	7.0	18	..	2.8	..	5.4	0	0	30	03	1	3	1	2	2	10	8	1	0
AKOLA	0830	282	1011.5	979.9	+0.2	26.9	16.8	8.1	11.0	31	- 3	1.8	+0.7	5.7	0	0	27	00	3	0	6	0	10	2	6	4	0
	1730	282	1005.7	975.4	+0.4	38.0	21.2	8.9	11.7	18	+ 0	2.3	+0.6	10.3	0	0	30	00	0	0	4	0	9	1	16	1	0
BRAMHAPURI	0830	229	1012.0	986.1	-0.6	27.1	18.6	12.4	14.5	41	-13	1.9	+0.0	3.6	0	0	27	06	2	2	7	10	0	0	0	4	0
	1730	229	1005.7	981.0	-1.4	37.7	21.1	9.0	11.7	18	- 8	3.3	+1.2	3.2	0	0	27	09	1	3	1	6	1	4	2	4	0
BULDANA	0830	650	1011.0	939.8	+0.5	26.9	17.3	9.9	12.8	37	- 5	1.8	+0.4	8.3	0	0	30	06	1	2	0	2	0	1	18	1	0
	1730	650	1005.3	936.2	+0.2	34.6	20.2	10.5	13.4	24	- 3	2.5	+0.3	7.6	0	0	31	03	2	0	2	0	3	0	21	0	0
YEUTMAL	0830	451	1010.9	961.2	+0.0	28.7	16.0	3.2	8.0	21	-16	2.3	+0.0	7.9	0	0	30	04	4	5	0	1	8	1	7	1	0
	1730	451	1004.9	956.8	-0.2	36.9	18.6	0.6	6.7	11	-13	3.3	+0.4	7.2	0	0	30	03	4	0	3	0	7	3	10	1	0
CHANDRAPUR	0830	193	1011.0	989.3	-0.6	27.8	18.1	10.4	12.9	35	-11	2.3	+0.9	5.3	0	0	29	02	2	9	7	4	1	2	2	2	0
	1730	193	1005.2	984.3	-1.0	38.1	20.4	5.4	9.6	15	- 9	3.3	+1.2	6.6	0	1	29	06	4	3	2	3	2	6	4	1	0
PUSAD	0830	334	1012.1	974.8	..	27.1	18.4	11.9	14.2	39	..	2.0	..	2.1	0	0	31	00	4	0	0	0	5	0	22	0	0
	1730	334	1006.0	970.2	..	38.1	24.2	16.1	19.0	29	..	4.2	..	4.0	0	0	29	00	7	0	3	0	9	0	10	2	0
SIRONCHA	0830	123	1012.5	998.6	+0.1	28.3	22.2	18.4	22.3	58	+ 1	1.1	-0.6	2.3	0	0	29	01	0	12	6	8	1	1	0	2	0
	1730	123	1006.4	993.0	-0.2	38.1	23.5	14.3	17.6	27	+ 4	2.2	+0.2	1.5	0	0	20	03	0	1	0	5	7	4	0	11	0
WARDHA	0830	283	1011.2	979.7	..	29.7	17.0	5.3	9.1	22	..	0.8	..	3.4	0	0	31	07	6	3	2	2	4	4	3	0	0
	1730	283	1005.8	975.2	..	37.3	19.3	3.1	7.7	12	..	2.0	..	3.6	0	0	31	05	1	1	5	6	4	3	6	0	0
BHANDARA	0830	266	1012.0	982.2	..	27.7	18.0	10.2	12.8	35	..	.	..	4.6	0	0	31	01	4	2	10	0	4	0	2	0	8
	1730	266	1005.2	976.4	..	36.4	20.4	8.1	11.0	19	..	.	..	3.9	0	0	27	01	7	3	2	1	5	3	1	4	4
COASTAL ANDHRA PRADESH																											
KALINGAPATAM	0830	6	1012.2	1011.5	+0.1	27.7	25.5	24.5	30.8	83	+ 4	1.4	-1.3	10.4	0	1	28	02	0	0	0	11	12	3	1	0	0
	1730	6	1008.4	1007.7	-0.2	28.4	26.6	25.9	33.4	86	+14	1.7	-1.2	16.5	0	8	22	00	0	0	0	15	15	0	0	0	0
VISHAKHAPATNAM	0230	3	1009.9	1009.5	..	25.8	24.4	23.7	29.5	89	..	2.2	..	3.4	0	0	17	00	0	0	0	1	11	4	1	14	0
	0530	3	1010.4	1010.0	..	24.7	23.6	23.0	28.2	91	..	2.6	..	2.1	0	0	14	01	0	0	1	0	3	4	5	17	0
	0830	3	1012.7	1012.3	+0.3	27.8	24.5	22.9	28.0	75	+ 1	2.8	+0.7	7.8	0	1	26	00	0	0	0	2	10	12	3	4	0
	1130	3	1011.8	1011.4	..	33.2	25.8	22.2	26.8	54	..	2.4	..	16.6	0	12	19	00	0	1	1	8	16	3	1	0	1
	1430	3	1008.9	1008.5	..	32.8	26.5	23.7	29.6	60	..	2.6	..	23.7	0	28	3	00	0	0	1	12	18	0	0	0	0
	1730	3	1008.9	1008.5	+0.0	29.4	26.3	24.8	31.5	77	+ 6	3.8	+1.6	17.9	0	12	19	00	0	0	0	9	21	1	0	0	0
	2030	3	1011.0	1010.6	..	27.7	25.6	24.7	31.1	84	..	2.2	..	7.3	0	0	27	00	0	0	0	4	17	5	1	4	0
	2330	3	1011.3	1010.9	..	26.8	25.2	24.4	30.7	87	..	1.4	..	6.1	0	0	23	00	0	0	0	0	13	7	3	8	0
KAKINADA	0830	8	1013.2	1012.3	+0.4	28.0	24.7	23.2	28.4	75	+ 2	3.1	+0.8	6.3	0	0	25	00	0	1	5	2	15	1	1	6	0
	1730	8	1008.7	1007.8	+0.0	31.5	25.1	22.0	26.5	57	- 5	2.6	+1.3	12.3	0	1	30	00	0	0	19	10	2	0	0	0	0
NIDADAVOLE	0830	12	1013.1	1011.7	-0.1	26.2	24.4	23.5	29.0	84	+ 8	3.9	+0.1	5.0	0	0	31	16	2	6	0	3	2	1	1	0	0
	1730	12	1008.8	1007.4	-0.4	31.9	25.3	22.1	26.8	56	+ 4	2.7	+0.1	8.5	0	0	31	00	0	0	3	11	17	0	0	0	0
KENTACHINTALA	0830	106	1011.9	999.9	+0.3	27.0	22.7	20.4	24.3	67	+ 4	1.0	-1.2	1.3	0	0	19	00	0	1	4	7	2	5	0	12	0
	1730	106	1006.6	995.0	+0.1	36.8	23.5	15.6	18.2	30	+ 2	1.2	-1.1	1.2	0	0	19	00	1	9	1	4	0	4	0	12	0
GANNAVARAM	0230	24	1009.8	1007.1	..	23.9	22.5	21.8	26.2	89	..	2.6	..	1.9	0	0	8	00	1	1	1	4	1	0	0	23	0
	0530	24	1010.4	1007.6	..	23.5	22.5	22.0	26.6	91	..	4.1	..	3.5	0	0	11	00	1	4	2	3	1	0	0	20	0
	0830	24	1012.9	1010.1	+0.4	26.4	24.1	23.1	28.3	82	+ 6	4.9	+2.1	7.7	0	0	24	00	0	8	8	5	1	2	0	7	0
	1130	24	1012.2	1009.5	..	32.4	24.1	19.9	23.3	48	..	2.6	..	11.3	0	1	28	00	1	2	3	16	6	1	0	2	0
	1430	24	1008.7	1006.1	..	35.3	23.6	17.0	19.5	35	..	1.9	..	14.5	0	5	26	00	0	1	5	20	5	0	0	0	0
	1730	24	1008.4	1005.7	-0.6	32.7	23.3	18.0	21.0	42	- 2	1.7	+0.1	16.8	0	5	26	00	0	1	6	23	1	0	0	0	0
	2030	24	1010.6	1007.9	..	26.8	23.1	22.1	25.4	72	..	1.0	..	10.6	0	0	27	00	0	0	11	15	1	0	0	4	0
	2330	24	1011.1	1008.3	..	25.0	23.1	22.1	26.8	85	..	1.4	..	4.2	0	0	16	00	0	3	4	9	0	0	0	15	0
MASULIPATAM	0830	3	1012.6	1012.2	+0.1	26.8	24.6	23.6	29.2	83	+ 5	3.9	+1.2	2.2	0	0	25	00	0	1	2	6	11	1	3	6	1
	1730	3	1008.9	1008.6	+0.1	29.5	24.5	22.1	27.0	65	- 2	2.7	+1.5	4.6	0	0	31	00	0	5	13	2	4	0	0	0	7
ONGOLE	0830	12	1012.6	1011.3	+0.3	27.3	24.6	23.2	28.5	79	+ 0	2.0	-0.3	5.0	0	0	29	01	0	11	4	9	1	2	1	1	0
	1730	12	1008.6	1007.3	+0.2	30.2	25.0	22.4	27.3	63	- 9	0.8	-0.7	9.6	0	0	30	00	0	1	29	0	0	0	0	0	0
NELLORE	0530	20	1010.3	1008.0	..	23.7	23.2	22.9	28.0	95	..	0.8	..	2.8	0	0	14	00	1	0	13	0	0	0	0	17	0
	0830	20	1012.5	1010.2	+0.3	26.9	24.3	23.1	28.3	80	+ 6	1.3	-1.0	7.2	0	0	31	00	1	0	30	0	0	0	0	0	0
	1130	20	1012.0	1009.8	..	32.9	25.0	21.1	25.3	51	..	1.7	..	10.5	0	0	31	00	0	0	29	1	0	0	1	0	0
	1430	20	1009.1	1006.9	..	33.8	26.8	23.8	29.7	57	..	1.2	..	12.5	0	0	31	00	0	0	31	0	0	0	0	0	0
	1730	20	1008.8	1006.6	+0.6	30.1	26.1	24.4	30.6	72	+13	1.1	-0.9	6.2	0	0	31	02	9	10	10	0	0	0	0	0	0
	2330	20	1011.3	1009.1	..	25.5	24.3	23.8	29.6	91	..	0.8	..	1.8	0	0	7	00	0	0	7	0	0	0	0	24	0
VISHAKHAPATNAM(SOLAR)	0830		(R)																								
TELANGANA																											
RAMGUNDAM	0830	156	1011.7	994.0	-0.3	28.1	22.0	18.4	21.4	57	+ 5	1.2	-0.9	3.5	0	0	26	01	1	1	4	18	1	0	0	5	0
	1730	156	1005.8	989.1	-0.2	37.4	23.4	15.1	18.9	27	+ 4	2.2	-0.3	2.3	0	0	25	01	5	1	4	12	1	1	0	6	0
RAMGUNDAM	0830		(R)																								

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MARCH 1969 PHALGUNA 10, 1890 - CHAITRA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TELANGANA (CONTD.)																											
NIZAMABAD	1730		(R)																								
HANAMKONDA	0830	269	1012.2	982.0	+0.3	25.8	21.6	19.0	22.9	67	+ 1	1.3	-0.7	1.9	0	0	29	01	0	0	4	21	1	2	0	2	0
	1730	269	1008.2	979.1	+1.6	36.8	22.0	12.1	14.5	23	- 2	0.5	-1.3	2.0	0	0	31	05	1	0	6	16	3	0	0	0	0
HAKIMPET AERODROME	0530	613	1009.8	941.9	..	23.0	17.8	14.2	16.7	59	..	3.3	..	10.4	0	2	28	01	0	0	15	4	6	3	1	1	0
	0830	613	1010.7	943.7	..	27.1	18.9	13.5	15.9	45	..	2.4	..	12.7	0	3	28	01	1	1	6	5	8	5	4	0	0
	1130	613	1009.2	943.6	..	33.8	19.9	10.9	13.3	25	..	2.1	..	18.8	0	12	19	02	2	0	4	5	11	3	4	0	0
	1730	613	1005.8	940.6	..	34.7	19.5	8.2	11.0	20	..	3.4	..	13.8	0	3	27	05	2	3	13	4	0	1	2	1	0
	2330	613	1009.3	942.4	..	27.2	18.5	13.1	15.4	43	..	2.1	..	16.3	0	7	24	00	1	0	22	5	2	1	0	0	0
BHADRACHALLAM	0830	111	1012.0	999.5	-0.7	26.4	23.2	21.7	26.3	76	+ 4	2.8	-0.1	4.0	0	0	31	00	17	0	5	0	5	0	4	0	0
	1730	111	1006.4	994.3	-0.6	37.0	24.7	17.7	21.1	35	+ 7	2.2	-0.4	4.2	0	0	31	00	11	0	9	0	6	0	5	0	0
HYDERABAD(BEGAMPET)	0230	545	1009.0	948.8	..	24.5	18.2	14.1	16.4	53	..	2.1	..	3.5	0	0	16	01	2	2	7	2	0	0	2	15	0
	0530	545	1009.7	949.1	..	22.7	17.8	14.6	17.0	62	..	1.9	..	3.5	0	1	19	01	0	2	6	3	2	3	3	11	0
	0830	545	1011.6	951.6	+0.3	26.0	18.9	14.3	17.0	51	- 3	2.3	+0.7	5.7	0	0	28	04	1	0	4	4	7	3	5	3	0
	1130	545	1009.8	951.3	..	34.1	19.7	9.9	12.5	23	..	1.9	..	11.0	0	2	29	02	2	2	2	4	14	4	1	0	0
	1730	545	1005.0	947.1	+0.1	35.9	19.6	8.0	10.9	19	-11	3.8	+1.7	8.5	0	1	29	03	3	4	8	9	1	0	2	1	0
	2330	545	1009.7	950.0	..	27.6	19.0	13.7	15.8	43	..	2.0	..	5.6	0	0	23	00	0	3	18	2	0	0	0	8	0
KHAMMAM	0830	112	1012.4	999.7	+0.3	27.1	22.2	21.2	25.5	71	- 4	3.3	+0.2	4.6	0	0	26	00	0	7	15	4	0	0	0	5	0
	1730	112	1006.9	994.7	-0.1	36.9	23.7	16.3	18.4	30	- 2	2.1	+0.1	2.1	0	0	17	00	0	2	5	7	3	0	0	14	0
MAHBUBNAGAR	0830	505	1011.1	955.7	+0.2	29.2	19.5	13.3	15.8	40	- 9	2.4	+0.8	2.9	0	0	22	03	2	3	1	5	5	0	3	9	0
	1730	505	1005.0	951.2	-0.2	35.9	19.4	7.6	10.6	18	- 8	3.7	+2.0	3.6	0	0	25	00	1	5	10	2	5	1	1	6	0
RAYALASEEMA																											
KURNOOL	0830	281	1012.0	980.4	+0.6	28.8	20.9	16.0	18.4	47	- 1	2.1	+0.7	3.5	0	0	31	00	10	0	8	0	6	0	7	0	0
	1730	281	1005.9	975.5	+0.6	37.2	22.5	13.0	15.6	24	+ 3	3.2	+1.1	3.7	0	0	31	00	9	1	14	0	0	0	7	0	0
NANDYL	0830	212	1011.3	987.5	..	27.7	22.0	18.8	22.0	59	..	1.1	..	3.2	0	0	18	00	1	4	2	4	3	4	0	13	0
	1730	212	1005.9	982.9	..	36.7	23.2	15.0	17.5	29	..	2.5	..	6.9	0	0	27	00	2	10	2	3	5	5	0	4	0
ANANTAPUR	0530	350	1009.6	970.3	..	23.8	17.2	11.9	14.4	49	..	2.0	..	3.7	0	0	16	00	0	8	2	0	5	1	0	15	0
	0830	350	1011.7	972.7	+0.5	27.1	18.9	13.0	15.5	43	- 4	1.8	+0.6	5.0	0	0	22	01	0	2	5	2	5	6	1	9	0
	1130	350	1010.0	972.0	..	33.9	20.6	11.0	13.6	28	..	1.4	..	6.9	0	0	28	01	8	5	5	0	5	3	1	3	0
	1430	350	1006.1	968.5	..	37.0	20.4	7.1	10.5	17	..	2.1	..	6.8	0	0	28	02	14	7	3	0	1	1	0	3	0
	1730	350	1005.1	967.5	+0.2	36.5	20.8	9.2	11.9	19	+ 0	2.3	+0.4	8.1	0	0	26	00	14	10	2	0	0	0	0	5	0
	2030	350	1007.7	969.6	..	32.2	19.5	9.8	12.4	26	..	1.6	..	5.9	0	0	22	00	8	11	3	0	0	0	0	9	0
	2330	350	1009.1	970.5	..	29.4	19.8	10.5	13.1	32	..	1.7	..	9.2	0	2	25	00	2	18	7	0	0	0	0	4	0
CUDDAPAH	0830	130	1011.9	997.4	+0.3	29.9	22.8	18.9	22.3	53	+ 0	0.9	-0.4	1.2	0	0	9	00	0	5	4	0	0	0	0	22	0
	1730	130	1006.4	992.3	+0.4	37.0	22.6	13.6	15.8	25	-11	2.0	+0.1	5.3	0	0	28	00	0	27	1	0	0	0	0	3	0
AROGYAVARAM	0830	701	1012.4	935.5	+0.7	24.9	20.8	18.7	21.7	69	+10	2.1	+0.2	6.8	0	0	28	00	0	0	22	4	2	0	0	3	0
	1730	701	1006.1	931.6	+0.6	32.8	27.6	25.7	33.3	67	+41	4.1	+1.7	10.3	0	0	30	00	7	1	21	0	1	0	0	1	0
TAMIL NADU(INCLUDING PONDICHERRY)																											
MADRAS	0830	6	1012.9	1012.2	+0.7	27.1	24.6	23.5	29.0	81	+ 6	4.9	+1.8	7.5	0	0	30	00	0	0	1	5	13	11	0	1	0
	1730	6	1008.9	1008.2	..	29.1	25.3	23.6	29.1	72	..	1.9	..	9.8	0	0	31	00	0	4	22	4	1	0	0	0	0
MADRAS(MINAMBAKKAM)	0230	16	1010.3	1008.5	..	24.7	23.2	22.4	27.2	87	..	2.2	..	3.2	0	0	17	00	0	0	4	5	2	6	0	14	0
	0530	16	1010.6	1008.8	..	23.9	22.7	22.1	26.7	90	..	2.3	..	2.4	0	0	16	00	0	0	0	2	2	12	0	15	0
	0830	16	1013.0	1011.2	+0.6	27.3	24.1	22.5	27.3	75	- 2	3.4	+0.7	7.7	0	2	25	00	0	0	0	10	9	6	2	4	0
	1130	16	1012.2	1010.5	..	32.8	24.1	19.6	23.0	46	..	2.5	..	12.8	0	4	27	00	0	4	9	14	4	0	0	0	0
	1430	16	1009.1	1007.4	..	33.[illegible]	24.8	20.6	25.0	49	..	2.1	..	18.4	0	15	16	00	0	8	19	4	0	0	0	0	0
	1730	16	1008.9	1007.2	+0.1	30.1	24.6	22.0	26.5	62	- 2	2.0	+0.1	15.9	0	7	24	00	0	4	23	4	0	0	0	0	0
	2030	16	1011.0	1009.2	..	26.9	24.2	22.9	28.0	79	..	1.3	..	10.1	0	1	30	00	0	2	23	5	1	0	0	0	0
	2330	16	1011.5	1009.8	..	25.8	23.8	22.8	27.9	84	..	1.2	..	5.9	0	0	25	00	0	1	20	4	0	0	0	6	0
VELLORE	0530	214	1010.9	986.5	..	23.0	21.4	20.6	24.5	87	..	2.6	..	1.4	0	0	8	00	0	0	2	5	0	1	0	23	0
	0830	214	1013.0	988.7	+0.7	25.7	22.3	20.5	24.4	73	- 2	2.2	-0.4	2.9	0	0	11	00	0	0	0	7	4	0	0	20	0
	1130	214	1011.7	988.0	..	32.6	23.9	19.4	22.7	47	..	2.6	..	4.2	0	0	26	00	0	3	5	12	3	3	0	5	0
	1730	214	1007.2	983.9	+0.3	35.7	22.6	15.1	17.3	31	- 6	2.2	-0.1	7.0	0	0	31	00	0	13	12	5	1	0	0	0	0
	2330	214	1011.7	987.6	..	27.3	23.0	20.7	24.7	68	..	0.6	..	3.3	0	0	20	00	0	3	5	12	0	0	0	11	0
TAMBARAM AERODROME	0830	29	1012.7	1009.4	..	27.3	24.3	23.0	28.0	78	..	3.7	..	11.1	0	3	28	00	0	0	0	5	18	4	4	0	0
	1730	29	1009.1	1005.9	..	31.4	24.9	21.7	26.2	57	..	2.0	..	25.1	0	26	5	00	0	0	22	8	1	0	0	0	0
TIRUPPATTUR	0830	390	1014.0	969.8	+1.1	24.5	22.5	21.5	25.7	84	+10	5.9	+2.4	3.7	0	0	31	13	6	0	1	11	0	0	0	0	0
	1730	390	1007.4	964.5	+0.3	28.4	23.8	21.5	25.8	68	+31	7.4	+4.0	6.3	0	0	31	14	5	0	0	10	2	0	0	0	0
METTUR DAM R.S.	0830		..	..	..	27.8	22.1	18.7	21.8	58	..	2.0	..	9.2	0	3	26	00	3	0	11	0	12	0	3	2	0
	1730		..	..	..	36.4	21.9	12.2	14.5	24	..	3.3	..	14.2	0	7	24	00	2	0	8	0	20	0	1	0	0
CUDDALORE	0530	12	1010.7	1009.4	..	23.6	22.8	22.4	27.2	93	..	2.1	..	1.2	0	0	9	00	0	0	0	0	4	3	2	22	0
	0830	12	1012.9	1011.5	+0.5	27.0	24.6	23.4	28.9	81	+ 2	3.0	-0.1	4.9	0	0	26	03	0	0	4	5	5	5	4	5	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — MARCH 1969 PHALGUNA 10, 1890 - CHAITRA 10, 1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of mean standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TAMILNADU (INCLUDING PONDICHERRY) (CONTD.)																											
CUDDALORE	1130	12	1012.5	1011.1	..	30.9	25.4	23.0	28.1	63	..	2.1	..	11.3	0	1	30	00	2	3	24	2	0	0	0	0	0
	1430	12	1009.3	1008.0	..	31.0	25.6	23.2	28.5	63	..	1.6	..	14.6	0	7	24	00	1	7	22	1	0	0	0	0	0
	1730	12	1008.8	1007.5	+0.2	29.3	25.2	23.4	28.9	71	+ 2	1.9	-1.0	12.2	0	5	26	00	0	7	24	0	0	0	0	0	0
	2330	12	1011.4	1010.1	..	26.9	24.8	23.8	29.6	83	..	1.5	..	9.1	0	0	30	00	0	7	22	1	0	0	0	1	0
KALLAKKURICHCHI	0830	127	1012.9	998.6	+0.6	26.8	23.9	22.5	27.6	78	+ 5	3.3	+0.6	2.3	0	0	15	00	0	0	3	3	7	0	2	16	0
	1730	127	1007.1	993.2	+0.0	35.3	23.4	16.6	19.4	34	- 6	2.5	+0.0	6.1	0	0	27	00	11	7	9	0	0	0	0	4	0
SALEM	0530	278	1010.3	979.0	..	24.1	21.0	19.1	22.7	74	..	0.9	..	4.0	0	0	15	00	7	8	0	0	0	0	0	16	0
	0830	278	1012.6	981.4	+0.6	26.3	21.5	18.5	21.8	63	- 6	2.0	+0.1	3.7	0	0	22	00	7	12	2	0	0	1	0	9	0
	1130	278	1011.1	980.6	..	32.1	22.5	16.6	19.8	41	..	2.7	..	5.2	0	0	23	01	1	4	2	6	5	4	0	8	0
	1730	278	1005.9	975.8	+0.2	35.1	21.6	12.4	14.9	26	- 6	3.6	+1.2	4.1	0	0	27	00	4	12	5	2	3	1	0	4	0
	2330	278	1010.2	979.3	..	28.0	21.9	18.3	21.4	56	..	0.9	..	6.3	0	0	24	00	3	16	3	1	1	0	0	7	0
COIMBATORE (PILAMEDU)	0530	399	1010.7	965.9	..	23.1	20.5	18.9	22.4	79	..	1.1	..	7.5	0	0	21	04	3	1	0	3	7	2	1	10	0
	0830	399	1012.7	968.2	+0.5	25.6	21.7	19.4	23.0	70	+ 1	2.6	-0.1	9.5	0	2	21	04	9	3	1	2	3	0	0	8	1
	1130	399	1011.3	967.6	..	31.2	22.4	17.0	20.2	44	..	2.7	..	12.0	0	0	29	03	9	7	3	1	3	2	1	2	0
	1430	399	1007.0	964.1	..	35.0	22.1	13.5	16.2	29	..	2.8	..	15.5	0	9	20	02	6	12	4	2	3	0	0	2	0
	1730	399	1006.1	963.1	+0.4	34.7	21.6	12.6	15.2	28	- 1	3.0	+0.4	19.0	0	12	19	00	7	14	3	5	2	0	0	0	0
	2030	399	1009.2	965.4	..	29.3	21.5	16.2	19.6	48	..	1.6	..	16.4	0	10	19	00	1	10	3	6	8	1	0	2	0
	2330	399	1011.0	966.7	..	26.4	21.7	18.6	22.5	65	..	0.7	..	14.5	0	6	21	00	0	6	2	8	10	1	0	4	0
COIMBATORE	0830	409	1012.5	967.1	+0.8	26.5	21.4	18.3	21.0	62	- 5	3.9	+1.2	3.0	0	0	30	02	15	0	0	1	4	1	5	1	2
NAGAPATTINAM	0830	9	1013.0	1011.9	+0.7	28.3	24.9	23.0	28.1	73	- 1	3.9	+0.2	7.9	0	2	24	00	2	8	8	2	1	2	3	5	0
	1730	9	1008.8	1007.7	+0.0	29.4	25.1	23.1	28.2	69	- 2	3.5	+0.7	17.3	0	13	18	00	3	12	16	0	0	0	0	0	0
TIRUCHCHIRAPPALLI	0230	88	1010.1	1000.1	..	24.7	22.5	21.3	25.5	82	..	2.2	..	2.6	0	0	22	06	4	4	3	1	0	1	3	9	0
	0530	88	1010.4	1000.3	..	24.1	22.4	21.6	25.8	86	..	2.8	..	1.9	0	0	15	04	5	0	3	2	0	0	1	16	0
	0830	88	1012.6	1002.7	+0.5	27.4	23.7	21.9	26.3	72	- 4	3.0	-0.1	3.7	0	0	24	04	6	2	3	5	2	1	1	7	0
	1130	88	1011.8	1002.0	..	32.3	23.5	18.8	21.7	45	..	3.0	..	6.8	0	0	30	01	9	5	5	4	4	1	1	1	0
	1430	88	1008.0	998.3	..	35.3	22.9	15.5	17.8	31	..	2.7	..	9.5	0	2	29	05	14	6	3	0	1	1	1	0	0
	1730	88	1007.1	997.4	-0.1	34.9	22.3	14.6	16.8	30	- 8	2.2	-0.3	13.2	0	6	25	01	12	13	5	0	0	0	0	0	0
	2030	88	1009.9	1000.0	..	29.9	22.8	18.8	22.0	52	..	1.5	..	13.2	0	3	28	00	5	14	11	1	0	0	0	0	0
	2330	88	1011.2	1001.2	..	26.7	22.9	20.9	24.8	71	..	0.9	..	6.5	0	0	30	00	7	12	10	1	0	0	0	1	0
VEDARANNIYAM	0830	4	1012.1	1011.6	..	29.7	25.7	23.9	29.8	71	..	5.7	..	6.6	0	0	31	01	5	7	12	3	3	0	0	0	0
	1730	4	1009.6	1009.1	..	30.0	25.9	24.0	30.1	71	..	3.9	..	5.7	0	0	31	02	4	10	11	3	1	0	0	0	0
ATIRAMPATTINAM	0830	6	1012.5	1011.8	..	28.0	25.0	23.7	29.3	78	..	2.6	..	7.5	0	2	28	11	4	3	3	6	1	0	2	1	0
	1730	6	1008.3	1007.6	..	30.9	25.5	23.1	28.3	64	..	1.6	..	16.4	0	8	23	00	1	4	14	10	2	0	0	0	0
MADURAI	0830	133	1012.9	997.8	+0.8	27.9	25.4	24.1	30.8	81	+12	4.1	+0.4	3.5	0	1	30	21	5	4	0	0	0	0	1	0	0
MADURAI AERODROME	0530	131	1010.4	995.5	..	23.8	22.2	21.3	25.6	86	..	1.0	..	2.1	0	0	10	05	4	1	0	0	0	0	0	21	0
	0830	131	1012.6	997.8	+0.2	27.5	23.9	22.2	26.9	73	+ 1	2.6	-0.3	6.5	0	0	24	11	8	3	1	1	0	0	0	7	0
	1130	131	1011.5	997.0	..	32.3	23.8	19.3	22.5	47	..	3.0	..	9.3	0	2	28	07	9	4	4	2	2	0	2	1	0
	1730	131	1007.0	992.6	-0.3	35.2	22.6	14.9	17.0	30	- 8	2.3	-1.1	12.0	0	4	27	03	13	11	4	0	0	0	0	0	0
TUNDI	0830	5	1013.0	1012.4	+0.5	28.8	25.1	23.4	28.9	73	- 6	4.5	-0.4	7.4	0	0	30	09	1	8	4	6	0	1	1	1	0
	1730	5	1008.7	1008.1	-0.1	29.8	25.5	23.5	29.1	69	- 8	4.6	+0.3	12.4	0	0	31	00	8	15	7	1	0	0	0	0	0
PAMBAN	0830	11	1012.3	1011.0	+0.3	28.4	27.0	26.4	34.6	89	+13	3.8	+0.2	7.0	0	0	31	03	7	8	6	6	1	0	0	0	0
	1730	11	1008.3	1007.0	-0.2	30.6	28.6	27.9	37.7	85	+10	2.5	+0.0	11.4	0	4	27	12	0	0	5	8	0	0	6	0	0
TUTICORIN	0830	4	1012.6	1012.2	+0.0	28.5	24.8	23.0	28.2	73	- 1	1.8	-0.7	7.8	0	1	30	13	6	1	0	4	2	2	3	0	0
	1730	4	1008.3	1007.9	-0.2	30.3	26.0	24.2	30.2	70	- 4	0.7	-0.8	16.2	0	10	21	00	0	13	12	6	0	0	0	0	0
PALAYANKUTTAI	0830	51	1012.5	1006.8	+0.5	27.9	24.0	22.2	27.1	70	- 3	3.9	+0.5	6.8	0	0	29	11	5	0	0	1	0	3	9	2	0
	1730	51	1007.5	1001.9	+0.0	33.6	24.4	20.1	23.6	45	- 8	2.5	-0.7	15.9	0	12	19	04	5	9	7	6	0	0	0	0	0
KANNIYAKUMARI	0830	37	1012.1	1008.0	..	28.9	24.4	22.2	26.9	67	..	2.2	..	11.9	0	6	22	08	7	1	0	0	0	9	3	3	0
	1730	37	1008.2	1004.1	..	29.6	25.6	23.8	29.5	71	..	2.0	..	14.8	0	10	21	00	5	6	3	3	9	5	0	0	0
PONDICHERRY	0830		1012.8	1012.1	..	27.5	25.0	24.0	29.9	82	..	3.8	..	10.3	0	4	26	00	0	0	0	7	2	10	11	1	0
	1730		1008.7	1008.0	..	29.0	25.1	23.3	28.8	71	..	2.1	..	23.0	0	19	12	00	0	1	29	1	0	0	0	0	0
PORTNOVO	0830		(R)																								
TUTICORIN H.P.	0830		(R)																								
	1130		(R)																								
	1430		(R)																								
	1730		(R)																								
COASTAL MYSORE																											
KARWAR	0830	4	1012.7	1012.1	+0.7	26.6	24.0	22.8	27.8	80	- 1	3.3	+1.5	2.4	0	0	31	00	8	17	2	0	0	1	2	0	1
	1730	4	1009.0	1008.5	+0.5	29.9	25.8	23.9	29.8	71	+ 0	3.9	+2.0	8.5	0	0	31	00	0	0	0	0	1	4	25	0	1
HONAVAR	0830	26	1012.5	1009.5	+0.4	25.2	23.5	22.4	27.1	84	+ 5	2.8	-0.3	..	.	..	..	00	0	30	0	0	0	0	0	1	0
	1730	26	1008.5	1005.6	+0.0	30.3	25.4	23.2	28.6	66	- 1	3.8	+0.8	4.3	0	0	30	00	0	0	0	1	1	24	4	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MARCH ,1969 PHALGUNA 10,1890 - CHAITRA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL MYSORE (CONTD.)																											
MANGALORE(BAJPE)	0230	102	1009.9	998.4	..	25.9	23.7	22.7	27.7	83	..	3.0	..	2.4	0	0	9	05	3	0	0	0	0	1	0	22	0
	0530	102	1010.0	998.5	..	25.2	23.5	22.6	27.5	86	..	2.7	..	2.6	0	0	13	07	3	0	1	0	0	0	2	18	0
	0830	102	1012.1	1000.6	+0.0	27.6	24.3	22.7	27.7	75	+ 1	2.7	+0.5	6.1	0	0	22	03	5	11	3	0	0	0	0	9	0
	1130	102	1011.7	1000.4	..	32.0	24.8	21.3	25.4	54	..	3.1	..	12.2	0	2	28	02	0	2	0	1	7	13	5	1	0
	1430	102	1008.6	997.3	..	32.5	25.3	21.9	26.3	54	..	2.6	..	23.6	0	27	4	01	0	0	0	0	3	26	1	0	0
	1730	102	1007.8	996.5	-0.4	30.4	24.9	22.3	27.0	62	- 2	3.0	+0.6	19.0	0	13	18	00	0	0	0	0	1	22	8	0	0
	2030	102	1010.3	998.9	..	27.7	24.5	23.0	28.1	76	..	2.4	..	8.2	0	0	27	06	0	0	0	0	1	4	16	4	0
	2330	102	1011.2	999.7	..	26.8	24.2	23.0	28.2	80	..	3.1	..	3.4	0	0	15	11	0	0	0	0	0	0	4	16	0
MANGALORE	0830	22	1012.3	1009.8	+0.5	28.3	24.5	22.7	27.6	72	- 3	2.9	+0.6	2.5	0	0	29	03	4	12	7	0	0	0	0	2	3
	1730	22	1008.2	1005.8	+0.2	30.5	25.7	23.5	29.0	67	+ 0	2.7	+0.1	6.5	0	0	31	01	0	0	0	0	5	9	1	0	15
MANGALORE H.P.	0830		(R)																								
	1130		(R)																								
	1730		(R)																								
INTERIOR MYSORE, NORTH																											
BIDAR	0830	664	1011.1	938.7	+0.4	27.9	18.0	11.0	13.6	36	- 8	1.9	+0.3	11.9	0	6	23	01	0	2	4	2	13	5	2	2	0
	1730	664	1004.4	934.2	+0.0	34.8	20.4	10.3	13.0	24	- 2	4.8	+1.8	7.4	0	1	22	00	4	6	4	2	4	2	1	8	0
GULBARGA	0830	458	1011.4	960.8	+0.3	27.9	18.1	11.3	13.7	36	+ 0	2.2	+1.0	4.4	0	0	12	01	2	3	1	2	0	2	1	19	0
	1730	458	1004.8	955.9	+0.0	37.1	20.0	7.6	10.5	17	- 3	4.3	+1.8	7.2	0	0	25	00	1	12	4	2	4	1	1	6	0
BIJAPUR	0830	594	1011.7	946.1	+0.6	24.8	17.9	13.1	15.6	50	+ 5	2.3	+1.0	0.7	0	0	8	01	3	0	0	1	1	1	1	23	0
	1730	594	1004.2	941.4	+0.0	35.8	21.7	13.4	15.6	26	+ 2	5.5	+2.9	0.3	0	0	4	00	0	0	2	2	0	0	0	27	0
RAICHUR	0830	400	1011.3	967.1	+0.3	27.9	20.0	14.4	17.0	45	- 5	2.5	+1.1	4.1	0	0	30	00	7	1	7	0	9	1	5	1	0
	1730	400	1005.3	962.6	+0.1	36.6	20.8	9.6	12.2	19	- 9	3.0	+0.8	3.7	0	0	29	01	8	3	10	1	4	0	2	2	0
BELGAUM	0830	753	1011.9	929.1	+0.3	23.0	18.3	15.3	18.0	64	+ 2	1.8	+1.0	0.2	0	0	1	00	0	0	0	0	0	0	1	30	0
	1730	753	1005.5	925.4	-0.1	31.3	21.9	16.9	20.0	45	+13	3.2	+1.4	4.7	0	0	27	02	0	3	0	4	3	13	2	4	0
BELGAUM(SAMRA)	0530	747	1010.7	927.8	..	20.4	17.0	14.7	17.2	71	..	1.8	..	1.9	0	0	11	00	2	3	3	1	0	2	0	20	0
	0830	747	1011.9	929.9	+0.2	23.8	17.7	13.3	16.0	55	+ 3	2.0	+0.8	3.9	0	1	14	01	7	1	1	0	2	2	0	16	1
	1130	747	1009.5	929.8	..	32.0	18.0	7.2	10.5	22	..	1.5	..	9.7	0	0	27	05	10	2	2	4	2	0	2	4	0
	1430	747	1005.5	926.7	..	34.6	18.6	6.3	9.7	18	..	3.2	..	8.1	0	0	29	03	3	4	2	2	4	5	5	2	1
	1730	747	1005.5	926.1	+0.0	32.0	20.5	13.0	15.9	35	+ 2	3.7	+1.3	16.3	0	14	16	00	1	3	2	0	6	16	2	1	0
	2030	747	1009.5	928.1	..	25.6	21.0	18.5	21.6	66	..	2.9	..	12.8	0	3	26	00	0	0	1	0	5	22	1	2	0
GADAG	0530	650	1010.2	938.3	..	22.9	20.0	18.4	21.5	77	..	2.1	..	5.5	0	0	24	01	0	2	4	0	9	8	0	7	0
	0830	650	1011.1	939.6	-0.4	24.9	20.7	18.2	21.4	68	+10	1.9	-0.1	4.4	0	0	25	03	0	3	2	2	3	11	1	6	0
	1130	650	1009.6	940.1	..	33.5	22.1	15.6	18.3	36	..	1.4	..	6.0	0	0	27	01	4	2	2	3	4	6	4	4	1
	1430	650	1005.4	936.9	..	36.8	23.0	15.4	18.2	30	..	3.1	..	5.7	0	0	29	00	10	5	4	1	3	3	1	2	2
	1730	650	1004.2	935.5	-0.3	35.7	22.5	15.0	17.7	31	+ 0	3.5	+0.5	5.1	0	0	28	02	5	12	1	3	0	3	2	3	0
	2030	650	1007.9	937.9	..	30.4	21.3	16.0	18.9	44	..	2.0	..	7.7	0	1	26	00	5	7	3	0	2	10	0	4	0
	2330	650	1010.0	939.1	..	26.8	20.9	17.3	20.4	58	..	1.5	..	7.4	0	0	29	01	0	3	5	1	3	16	0	2	0
BIDAR A.P.	0530		(R)																								
	0830		(R)																								
	1130		(R)																								
	1730		(R)																								
	2330		(R)																								
INTERIOR MYSORE, SOUTH																											
BELLARY	0830	449	1011.4	961.6	+0.4	26.2	19.1	13.9	16.4	48	+ 3	1.7	+0.0	3.5	0	0	16	02	0	1	2	2	2	2	5	15	0
	1730	449	1004.8	957.0	+0.5	37.2	20.7	8.1	11.0	17	- 5	2.8	+0.3	3.8	0	0	18	00	0	2	13	2	0	1	0	13	0
CHITRADURGA	0830	733	1011.4	931.3	+0.5	25.1	19.3	15.8	18.3	59	+ 4	1.0	-0.8	3.2	0	0	20	00	0	1	2	1	6	10	0	11	0
	1730	733	1004.3	927.1	+0.4	34.7	19.6	9.0	11.7	21	- 3	2.8	+0.3	2.3	0	0	19	00	3	10	5	0	0	1	0	12	0
SHIMOGA	0830		..	..	..	..	..	..	..	..	..	4.1	+1.5	0.9	0	0	11	00	0	1	1	1	4	4	0	20	0
	1730	571	..	..	..	..	..	..	..	..	..	4.3	+1.3	3.6	0	0	31	01	5	13	1	1	1	9	0	0	0
AGUMBE	0830		..	..	..	21.8	19.8	18.7	21.8	83	..	.	..	3.5	0	0	22	01	16	1	1	0	2	1	0	9	0
	1730		(R)																								
BALEHONNUR	0830		..	..	..	22.8	19.3	17.2	19.8	72	- 9	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HASSAN	0830	960	1523.2	907.4	+0.0	21.5	18.8	17.3	19.7	78	+ 7	5.8	+4.1	1.7	0	0	12	00	4	0	1	0	1	4	2	19	0
	1730	960	1506.1	903.8	+0.2	30.7	18.5	10.0	12.4	28	- 3	3.8	+1.0	3.7	0	1	26	00	6	7	9	0	3	1	1	3	0
BANGALORE	0230	921	1517.6	910.8	..	22.2	18.5	16.1	18.8	70	..	0.5	..	3.2	0	0	18	00	0	12	5	1	0	0	0	13	0
	0830	921	1535.4	912.4	+1.0	23.7	19.8	17.3	20.3	69	+ 6	2.1	+0.1	3.6	0	0	24	00	0	5	7	1	8	3	0	7	0
	1130	921	1546.5	912.2	..	30.1	20.5	14.4	17.6	41	..	2.2	..	5.8	0	0	30	00	0	8	9	2	9	0	0	1	2
	1430	921	1531.3	910.1	..	32.6	20.7	13.1	16.2	33	..	3.4	..	6.7	0	0	27	00	1	13	8	0	3	0	0	4	2
	1730	921	1522.0	909.3	+1.6	31.4	20.2	12.8	15.8	35	+11	3.4	+0.5	6.6	0	1	25	00	3	13	7	1	2	0	0	5	0
	2030	921	1528.5	910.9	..	27.0	18.9	13.4	16.1	46	..	1.8	..	6.6	0	1	28	00	0	18	11	0	0	0	0	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – MARCH 1969 PHALGUNA 10, 1890 – CHAITRA 10, 1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gen. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
INTERIOR MYSORE SOUTH (CONTD.)																											
BANGALORE AERODROME	0530	897	1504.1	912.5	..	19.8	17.1	15.4	17.8	76	..	0.6	..	1.4	0	0	10	01	0	2	3	1	0	2	1	21	0
	0830	897	1531.4	914.5	+0.3	23.2	19.2	16.9	19.4	68	+ 7	2.2	+0.1	5.0	0	0	22	00	0	2	3	3	11	3	0	9	0
	1130	897	1542.3	914.3	..	30.0	19.7	13.0	16.4	37	..	2.3	..	11.7	0	1	30	00	0	8	11	4	0	7	1	0	0
	1730	897	1510.2	910.6	+0.5	31.7	19.7	11.9	14.4	31	+ 6	3.1	+0.4	13.6	0	4	27	00	2	13	15	0	1	0	0	0	0
	2330	897	1522.4	913.6	..	23.7	17.6	13.6	15.6	54	..	0.8	..	6.7	0	0	28	00	0	9	18	0	1	0	0	3	0
MYSORE	0830	767	1012.5	928.2	+0.7	23.3	19.7	17.5	20.7	72	+ 1	3.2	+0.9	4.1	0	0	31	04	3	3	0	8	1	12	0	0	0
YALANKA A.F.	1730	767	1004.5	923.6	+0.2	33.3	18.0	6.0	9.6	19	- 2	3.0	-0.2	7.4	0	0	31	05	6	17	1	1	0	0	1	0	0
	0530		(R)																								
	0830		(R)																								
	1130		(R)																								
	1730		(R)																								
	2330		(R)																								
KERALA																											
CALICUT	0530	5	1010.4	1009.8	..	26.2	24.3	23.4	28.7	85	..	2.1	..	2.6	0	0	20	03	8	8	0	0	0	1	0	11	0
	0830	5	1012.3	1011.7	+0.6	28.9	25.1	23.4	28.8	72	- 2	3.7	+0.9	3.2	0	0	28	00	5	13	0	0	2	6	2	3	0
	1130	5	1012.0	1011.4	..	31.9	26.2	23.7	29.4	62	..	2.5	..	6.1	0	0	31	00	1	0	0	0	3	25	2	0	0
	1430	5	1009.2	1008.6	..	32.7	26.8	24.3	30.5	62	..	2.2	..	8.5	0	0	31	00	1	0	0	0	8	20	2	0	0
	1730	5	1008.4	1007.8	+0.5	30.5	26.3	24.4	30.7	70	+ 1	1.8	-1.3	7.0	0	0	31	00	0	0	0	0	0	8	23	0	0
	2330	5	1011.2	1010.6	..	28.4	25.4	24.1	30.0	78	..	2.3	..	6.0	0	0	27	08	1	4	0	2	0	5	7	2	0
PALGHAT	0830	97	1012.5	1001.6	+0.5	28.0	24.0	22.0	26.8	70	+ 3	3.5	+1.1	9.4	0	0	31	00	0	17	0	0	0	14	0	0	0
FORT COCHIN	1730	97	1006.7	996.1	+0.4	36.1	23.8	16.2	19.7	35	- 3	3.6	+0.7	12.6	0	2	29	00	0	16	0	0	0	15	0	0	0
	0830	3	1012.4	1012.1	+0.6	29.6	26.5	25.1	32.0	77	+ 3	5.8	+2.0	4.8	0	0	27	04	15	4	0	0	0	2	2	4	0
COCHIN(NAVAL AIR STATION)	1730	3	..	..	..	..	..	..	..	..	..	5.8	+2.2	13.1	0	0	31	01	0	0	0	0	2	22	6	0	0
	0230	3	1010.2	1009.9	..	27.0	25.1	24.3	30.5	86	..	3.5	..	3.5	0	1	11	02	3	2	1	0	2	0	2	19	0
	0530	3	1010.0	1009.7	..	26.1	24.7	24.1	29.9	89	..	2.9	..	1.6	0	0	11	00	7	3	1	0	0	0	0	20	0
	0830	3	1012.0	1011.7	..	29.0	25.5	24.0	29.8	75	..	2.9	..	5.0	0	0	27	02	15	9	1	0	0	0	0	4	0
	1130	3	1011.9	1011.6	..	31.8	26.0	23.4	28.8	61	..	3.7	..	12.4	0	0	31	00	0	0	0	0	3	12	16	0	0
	1730	3	1007.7	1007.4	..	30.8	26.0	23.9	29.6	67	..	3.2	..	16.8	0	2	29	00	0	0	0	0	2	19	10	0	0
	2330	3	1011.4	1011.1	..	28.1	25.5	24.3	30.5	80	..	3.7	..	3.2	0	0	15	03	0	0	1	1	0	2	8	16	0
ALLEPPEY	0830	4	1012.2	1011.8	+0.7	29.0	26.1	24.8	31.3	78	+ 2	3.3	-1.0	4.4	0	0	31	00	14	11	6	0	0	0	0	0	0
PUNALUR	1730	4	1008.5	1008.1	+0.8	31.1	26.8	25.1	31.8	70	- 1	2.8	-0.9	21.2	0	28	3	01	0	0	0	0	0	9	21	0	0
	0830	34	1012.4	1008.6	+0.6	26.7	23.9	22.6	27.6	78	- 2	3.2	-0.2	0.1	0	0	1	00	0	0	0	0	0	1	0	30	0
TRIVANDRUM	1730	34	1007.5	1003.8	-0.1	33.8	25.5	21.5	25.8	49	- 5	6.5	+1.2	5.0	0	0	28	01	0	2	2	0	10	11	2	3	0
	0230	64	1010.0	1002.7	..	26.1	24.2	23.3	28.7	85	..	2.1	..	1.1	0	0	5	00	5	0	0	0	0	0	0	26	0
	0530	64	1010.1	1002.8	..	25.2	23.7	23.0	28.2	88	..	3.0	..	3.2	0	0	18	02	13	1	0	0	0	1	1	13	0
	0830	64	1012.2	1004.9	+0.6	27.3	24.4	23.0	28.3	78	- 2	3.4	+1.0	4.3	0	0	26	08	12	0	1	0	0	0	5	5	0
	1130	64	1011.6	1004.4	..	31.7	24.8	21.4	25.8	55	..	4.6	..	7.4	0	0	28	02	3	0	0	0	7	8	7	3	1
	1430	64	1008.6	1001.4	..	31.8	25.3	22.2	26.9	57	..	3.3	..	12.3	0	1	30	00	0	0	0	1	11	12	7	0	0
	1730	64	1008.3	1001.1	+0.2	30.2	25.4	23.3	28.7	67	+ 1	4.2	-0.1	9.9	0	3	27	00	0	0	1	2	14	9	4	1	0
	2030	64	1010.6	1003.4	..	28.2	25.2	23.9	29.6	78	..	3.5	..	2.1	0	0	11	00	0	1	0	0	3	5	2	20	0
TRIVANDRUM AERODROME	2330	64	1011.5	1004.5	..	27.3	24.7	23.6	29.2	80	..	3.3	..	3.5	0	0	16	08	3	0	0	0	0	0	5	15	0
ARABIAN SEA ISLANDS	0830	8	1012.5	1011.6	+0.7	28.0	24.4	22.6	27.7	73	+ 0	3.9	+0.9	10.9	0	3	27	13	12	2	0	0	1	0	2	1	0
AMINI	0530	4	1010.1	1009.7	..	26.6	23.9	22.7	27.5	79	..	3.2	..	8.8	0	3	25	11	0	0	0	0	0	2	15	3	0
	0830	4	1012.3	1011.8	+0.4	28.1	24.6	22.9	28.0	73	+ 0	2.6	-0.3	7.2	0	0	27	13	0	0	0	0	0	4	10	4	0
	1130	4	1012.6	1012.2	..	30.6	25.3	22.8	27.8	63	..	2.1	..	10.7	0	0	30	14	0	0	0	0	0	4	12	1	0
	1730	4	1008.7	1008.3	..	30.3	25.4	23.2	28.4	66	..	2.5	..	13.0	0	5	26	10	0	1	0	0	0	7	13	0	0
	2330	4	1011.4	1010.9	..	27.8	24.7	23.4	28.7	77	..	2.0	..	14.8	0	8	22	05	0	0	0	0	0	6	19	1	0
AGATTI	0830	4	1012.7	1012.2	..	27.9	24.9	23.5	29.1	78	..	4.3	..	2.8	0	0	24	10	0	1	0	0	1	2	10	7	0
ANDROTH	1730	4	1009.1	1008.7	..	29.5	25.5	23.7	29.3	71	..	3.0	..	7.6	0	0	31	10	0	0	1	0	0	2	18	0	0
	0830	5	1012.2	1011.7	..	28.0	25.3	24.1	30.1	80	..	5.2	..	2.3	0	0	24	08	7	0	0	0	0	0	9	7	0
MINICOY	1730	5	1007.6	1007.0	..	30.6	26.2	24.3	30.5	70	..	5.2	..	2.9	0	0	23	03	2	0	0	0	0	3	7	8	8
	0530	2	1010.4	1010.2	..	25.9	23.7	22.7	27.6	83	..	3.2	..	1.8	0	0	9	04	0	0	0	0	0	0	5	22	0
	0830	2	1012.4	1012.2	+0.7	28.3	24.8	23.2	28.4	74	+ 0	3.1	-0.6	2.5	0	0	16	12	0	1	0	0	0	0	3	15	0
	1130	2	1012.6	1012.4	..	30.9	25.6	23.2	28.4	64	..	3.2	..	7.2	0	0	29	13	6	2	1	0	0	0	7	2	0
	1430	2	1009.9	1009.7	..	31.1	25.7	23.3	28.6	64	..	3.0	..	6.8	0	0	29	13	3	1	0	0	0	0	12	2	0
	1730	2	1009.1	1008.9	+0.4	30.1	25.3	23.1	28.4	67	- 5	2.6	-1.1	4.7	0	0	26	13	3	2	0	0	0	0	8	5	0
	2030	2	1010.8	1010.6	..	27.5	24.5	23.1	28.3	77	..	1.9	..	2.4	0	0	15	10	1	0	0	0	0	0	4	16	0
	2330	2	1011.8	1011.6	..	26.5	24.1	23.0	28.2	82	..	2.5	..	1.9	0	0	11	04	1	0	0	1	0	0	5	20	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MARCH 1969 PHALGUNA 18, 1890 - CHAITRA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or hr. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HILL STATIONS (EXCLUDING KASHMIR)																											
DALHOUSIE	0830	1959	1458.1	801.3	+1.6	13.1	7.3	0.1	6.5	43	-17	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1959	1456.2	801.7	+2.2	16.3	11.3	7.3	10.5	56	-10	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
DHARMASALA	0830	1211	1543.2	884.0	-0.2	18.1	12.0	6.4	9.7	48	- 1	2.8	-0.6	1.0	0	0	10	03	3	2	0	0	1	0	1	20	0
	1730	1211	1533.8	882.6	-0.4	22.7	14.5	7.7	10.5	47	- 2	3.5	-0.8	2.5	0	1	26	01	1	0	2	0	19	2	2	4	0
BHUNTAR	0830	1096	1518.7	894.5	..	10.1	8.2	6.2	9.5	77	..	2.3	..	4.1	0	1	21	14	2	0	1	0	0	0	5	9	0
	1130	1096	1516.8	893.1	..	18.0	11.8	5.9	9.4	46	..	2.6	..	5.2	0	1	28	03	13	6	2	4	1	0	0	2	0
	1730	1096	1487.7	889.4	..	21.7	13.7	6.6	9.9	39	..	3.3	..	8.9	0	4	23	03	1	1	6	6	5	3	2	4	0
SIMLA	0830	2202	1499.8	782.7	+1.2	14.1	6.2	- 5.8	4.3	29	- 8	1.6	-1.7	1.4	0	0	22	00	5	0	10	1	4	0	1	9	1
	1730	2202	1483.7	781.7	+0.8	15.2	8.9	1.7	7.3	44	- 4	2.2	-1.7	1.5	0	0	23	01	2	0	9	2	4	2	3	8	0
GHANGARIA (KANJALIA TOK)	0830		..	..	..	1.6	- 0.3	- 3.0	4.7	71	- 2	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BADRINATH	0830		(R)																								
JOSHIMATH	0830		..	..	..	..	..	..	..	..	..	0.4	-2.5	12.3	0	5	26	00	4	24	2	0	0	1	0	0	0
	1730		..	..	..	..	..	..	..	..	..	1.4	-4.1	9.4	1	0	30	03	3	6	1	4	5	6	3	0	0
MUSSOORIE	0830	2042	1488.4	796.6	-1.1	13.8	9.6	5.7	9.3	59	+10	1.8	-1.5	0.4	0	0	5	01	1	0	1	2	0	0	0	26	0
	1730	2042	1467.9	795.2	-1.6	16.2	12.1	8.9	11.5	62	+ 3	3.0	-0.8	1.6	0	0	20	05	4	0	5	6	0	0	0	11	0
MUKTESWAR (KUMAON)	0830	2311	3148.6	774.1	+1.8	13.1	6.8	- 1.4	6.4	41	- 2	1.1	-1.3	6.3	0	1	26	00	2	2	2	1	3	10	7	4	0
	1730	2311	3134.1	772.2	+1.1	15.1	9.6	4.4	8.5	51	+ 2	2.7	-0.7	14.8	0	7	24	00	1	1	0	0	7	15	7	0	0
NAINITAL	0830	1953	1492.2	805.4	+0.2	13.9	7.9	1.0	6.8	44	- 1	0.8	-1.8	1.4	0	0	8	03	0	2	3	0	0	0	0	23	0
	1730	1953	1475.3	804.1	+0.4	15.1	9.8	4.8	8.8	52	- 3	1.5	-1.6	6.7	0	0	31	03	0	2	3	6	3	14	0	0	0
KALIMPONG	0830	1209	1522.8	881.6	+2.1	20.9	17.1	14.7	16.7	68	- 2	1.2	-0.9	6.2	0	0	31	00	0	0	2	0	0	0	29	0	0
	1730	1209	1490.9	878.3	+1.5	21.4	17.5	15.1	17.1	68	- 1	1.5	-1.7	6.1	0	0	31	00	1	0	27	0	0	0	3	0	0
DARJEELING	0830	2128	1523.0	791.8	+0.7	13.2	10.4	8.1	10.7	73	+ 5	4.6	+1.1	0.1	0	0	1	00	1	0	0	0	0	0	0	30	0
	1730	2128	1498.5	789.4	+0.4	12.3	10.1	8.2	10.9	77	+ 3	5.1	-0.3	2.1	0	1	6	00	0	0	0	0	4	1	0	24	2
KOHIMA	0830		(R)																								
	1730		(R)																								
SHILLONG (C.S.O.)	0830	1500	1511.2	841.7	+1.8	17.7	11.4	5.8	9.7	49	+ 4	2.6	+0.5	4.6	0	0	30	01	0	0	1	1	9	8	10	1	0
	1730	1500	1485.3	839.1	+1.7	16.8	12.6	9.2	11.9	63	+ 8	4.0	-0.2	3.7	0	0	25	00	0	0	1	3	9	3	9	6	0
CHERRAPUNJI	0830	1313	1494.0	867.6	-2.3	18.4	13.9	10.2	12.9	62	+ 1	1.8	-1.2	7.4	0	1	30	00	14	0	0	0	17	0	0	0	0
	1730	1313	1486.2	867.4	+0.1	18.0	14.0	10.5	13.1	65	- 2	1.0	-2.0	6.9	0	0	31	00	4	0	0	0	26	0	1	0	0
ABU	0830	1195	1539.8	884.9	+2.7	20.5	15.3	11.5	13.9	58	+25	1.0	-0.4	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	1195	1514.3	881.5	+0.7	26.0	16.1	8.0	11.0	33	+ 6	0.9	-0.7	0.6	0	0	4	00	0	0	1	2	1	0	0	27	0
AIJAL	0830		..	..	..	21.7	16.1	11.8	14.1	56	- 4	0.8	-1.1	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	23.5	16.9	11.5	14.3	52	- 6	0.9	-1.4	..	.	..	..	..	..	..	..	..	..	..	..	..	..
PACHMARHI	0830	1075	1534.3	896.1	+0.4	24.3	13.7	3.3	7.9	27	- 9	2.0	+0.1	2.3	0	0	20	00	3	2	1	5	2	1	6	11	0
	1730	1075	1512.9	893.0	+0.0	30.0	15.0	0.3	6.4	15	-10	2.9	+0.3	2.5	0	0	27	00	4	1	0	0	1	8	13	4	0
MAHABALESHWAR	0830	1382	1513.6	865.0	+0.6	21.3	12.8	4.2	8.4	33	- 3	0.6	-0.3	9.2	0	0	31	00	20	0	1	0	1	0	9	0	0
	1730	1382	1519.9	863.3	+0.8	27.7	17.8	10.7	13.1	35	- 8	1.0	-0.6	9.0	0	0	31	00	12	0	0	0	0	0	19	0	0
MERCARA	0830	1152	1530.9	888.1	+1.2	22.0	16.9	13.2	15.7	60	-12	1.9	+0.1	5.5	0	0	28	13	2	8	0	1	1	3	0	3	0
	1730	1152	1505.6	884.9	+0.7	27.2	19.2	13.6	16.6	48	- 6	3.0	+0.2	9.6	0	2	29	08	3	2	0	0	3	4	10	0	1
OOTACAMUND	0830	2249	1534.0	782.4	+1.3	14.9	10.4	6.6	9.9	59	- 2	1.8	+0.3	2.9	0	0	21	00	10	10	0	0	0	0	1	10	0
	1730	2249	1498.7	780.1	+0.6	19.1	12.9	8.1	11.1	51	- 5	3.2	-0.3	1.0	0	0	14	00	1	13	0	0	0	0	0	17	0
COONOOR	0830	1747	..	..	..	21.9	16.6	13.1	15.6	59	+ 1	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KODAIKANAL	0830	2343	3182.7	773.5	+1.0	16.4	9.0	0.2	6.7	37	-13	1.9	+0.0	13.8	0	8	23	02	15	7	6	0	0	0	1	0	0
	1130	2343	3197.3	773.9	..	20.3	11.9	4.4	8.8	37	..	3.2	..	14.3	0	8	23	01	13	4	12	0	0	0	1	0	0
	1730	2343	3165.6	772.0	+0.7	16.6	12.2	8.4	11.4	61	- 6	4.0	-0.2	8.1	0	2	28	03	8	2	13	4	0	0	0	1	0
MANALI	0830		..	..	..	7.8	3.4	- 3.4	5.0	50	..	1.5	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	17.5	9.3	0.2	6.5	36	..	2.5	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
NEPAL																											
KATMANDU	0830	1324	1508.9	869.0	-1.0	13.5	11.3	9.5	12.0	77	+ 5	2.3	-0.3	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1130	1324	1505.2	868.0	..	22.9	14.8	8.0	10.9	39	..	2.6	..	1.5	0	0	19	05	1	2	0	1	1	5	4	12	0
	1730	1324	1476.2	865.3	-1.5	20.7	14.1	8.8	11.5	49	- 4	3.6	+0.1	1.9	0	0	15	02	0	0	1	4	2	3	3	16	0
SIKKIM																											
LACHEN	0830		(R)																								
HYDROMETEOROLOGICAL OBSERVATORIES																											
DAMODAR CATCHMENT																											
TILAIYA	0830		..	..	..	26.6	17.7	10.3	13.2	39	..	0.6	..	6.3	0	0	25	01	0	5	0	0	5	9	5	8	0
	1730		..	..	..	31.7	17.7	4.3	8.9	20	..	1.0	..	8.1	0	0	28	00	0	0	0	0	0	12	16	3	0
HAZARIBAGH	0830	615	1010.7	942.9	..	25.6	17.5	11.6	14.3	44	..	0.9	..	4.6	0	0	22	00	0	0	2	0	8	9	3	9	0
	1730	615	1006.3	939.7	..	29.7	18.6	10.9	13.4	32	..	1.9	..	6.6	0	0	29	01	0	0	4	0	4	10	10	2	0
KONAR	0830		(R)																								
	1730		(R)																								

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – MARCH 1969 PHALGUNA 10, 1890 - CHAITRA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
DAMODAR CATCHMENT (CONTD.)																											
BOKARO	0830	242	1010.5	983.3	..	25.4	18.6	13.7	16.3	50	..	1.9	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
	1730	242	1006.3	979.7	..	33.0	23.8	18.8	22.0	44	..	1.7	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
MAITHON	0830		..	..	..	31.1	19.9	11.3	14.5	33	..	1.3	..	..	.	..	..	00	5	0	6	4	10	0	6	0	0
	1730		..	..	..	34.7	21.7	12.6	15.6	29	..	1.5	..	..	.	..	..	00	3	0	6	3	10	2	7	0	0
KARGARH	0830		..	..	..	25.0	17.0	10.4	13.2	43	..	0.6	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
	1730		..	..	..	32.4	18.8	7.5	10.8	23	..	0.5	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
PANCHET HILLS	0830		..	..	..	25.4	18.8	13.7	16.7	52	..	1.6	..	2.9	0	0	31	00	1	0	8	0	9	9	4	0	0
	1730		..	..	..	32.9	19.4	8.3	11.9	25	..	1.5	..	1.9	0	0	27	00	2	0	5	0	3	4	13	4	0
DURGAPUR	0830		..	..	..	26.4	21.0	17.2	20.0	60	..	.	..	14.5	0	5	25	10	1	1	9	6	0	0	3	1	0
	1730		..	..	..	31.5	21.8	15.2	19.5	42	..	.	..	13.9	0	8	22	08	2	0	11	3	0	0	6	1	0
MAHANADI CATCHMENT																											
GINABAHAK	0830		..	..	..	26.9	17.0	9.7	12.1	35	..	1.1	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HIRAKUD	0830	159	1011.2	993.4	..	28.6	20.4	14.9	17.4	45	..	1.3	..	1.5	0	0	9	01	2	1	3	0	0	0	1	22	1
	1130	159	1010.4	992.9	..	34.3	21.6	12.9	15.5	29	..	1.0	..	2.1	0	0	19	05	1	1	1	0	2	3	4	12	2
	1730	159	1005.7	988.4	..	35.7	21.4	11.5	13.9	24	..	1.5	..	0.6	0	0	6	00	0	1	1	0	1	0	2	25	1
BHIMKUND	0830		(R)																								
	1730		(R)																								
SONEPUR	0830		(R)																								
KHIJRAWAN	0830		..	..	..	27.5	19.7	14.4	16.7	46	..	2.3	..	4.6	0	0	31	00	2	8	3	3	8	6	1	0	0
	1730		..	..	..	34.3	19.6	7.6	11.0	21	..	3.5	..	6.9	0	0	31	05	4	1	4	1	6	2	8	0	0
NARMADA CATCHMENT																											
BAGRA TAWA	0830		..	..	..	26.0	14.6	2.4	7.5	23	..	1.5	..	10.5	0	2	23	02	10	3	2	3	3	2	0	6	0
	1730		..	..	..	35.8	17.9	- 0.9	5.9	10	..	2.2	..	10.3	0	2	27	03	5	0	0	0	2	11	8	2	0
PUPASA	0830		..	..	..	25.8	15.9	6.7	10.1	31	..	0.7	..	2.9	0	1	20	01	8	0	0	2	7	3	0	10	0
	1730		..	..	..	36.4	21.0	9.1	12.6	21	..	0.8	..	3.2	0	0	29	03	2	0	0	4	8	5	7	2	0
THIKRI	0830		..	..	..	32.5	19.2	8.9	11.8	25	..	1.6	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SABARMATI CATCHMENT																											
DABOI	0830		(R)																								
	1730		(R)																								
JHAROL	0830		..	..	..	21.7	15.2	9.7	12.0	47	..	0.0	..	3.2	0	0	11	01	0	0	0	5	0	5	0	20	0
GANDAK CATCHMENT																											
JAMOSOM	0830		..	..	..	8.0	3.7	- 2.0	5.3	50	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	11.9	7.3	3.1	7.7	56	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KHUDI BAZAR	0830		..	..	..	18.9	13.8	9.5	10.7	56	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	23.8	16.1	10.3	12.8	45	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TIMURE	0830		..	..	..	11.4	6.7	1.1	6.9	49	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	18.0	10.8	4.0	8.3	42	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
POKHARA	0830		..	..	..	20.1	14.8	10.8	13.1	56	..	2.2	..	3.9	0	0	25	07	1	1	1	2	3	0	9	6	1
	1130		..	..	..	25.1	16.3	9.6	12.2	39	..	2.6	..	6.3	0	0	31	01	1	4	10	7	0	0	0	0	8
	1730		..	..	..	24.2	16.0	9.8	12.3	43	..	4.7	..	7.5	0	1	28	02	2	5	12	5	0	1	2	2	0
GORKHA	0830		..	..	..	19.9	14.2	9.6	12.1	54	..	2.0	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1130		..	..	..	23.3	16.1	10.8	13.1	47	..	1.8	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730		..	..	..	22.3	14.8	8.5	11.4	43	..	3.4	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
NUWAKOT	0830		..	..	..	19.4	14.3	10.0	12.6	57	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	24.1	14.5	5.9	9.6	33	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT (TRANS HIMALAYAN REGION)																											
DAILEKH	0830		(R)																								
	1730		(R)																								
GHAGHARA CATCHMENT																											
SALLYANA	0830		..	..	..	18.7	11.7	4.5	8.7	41	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	20.5	12.6	5.0	8.9	37	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BUTWAL	0830		..	..	..	24.7	17.1	10.9	13.3	43	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	30.3	19.1	10.8	13.2	31	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BAGHMATI CATCHMENT																											
KATMANDU	0830																										
	1130																										
	1730		SEE UNDER NEPAL																								

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MARCH 1969 PHALGUNA 10, 1890 - CHAITRA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KOSI CATCHMENT																											
CHAUTARA	0830		(R)																								
	1730		(R)																								
WALLINGCHUNG GOLA	0830		..	..	..	6.5	2.5	-3.0	5.0	54	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	5.4	3.8	2.1	7.2	80	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLETHOK	0830		..	..	..	17.5	12.6	8.4	11.1	56	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	19.5	12.7	6.2	9.8	44	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BHOJPUR	0830		..	..	..	17.0	12.1	8.1	10.9	58	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	16.6	12.3	8.9	11.6	62	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLEJUNG	0830		..	..	..	15.0	10.8	7.2	10.3	61	..	3.2	..	1.7	0	0	17	06	2	1	0	0	0	1	6	14	1
	1130		..	..	..	18.2	12.4	7.6	10.7	52	..	3.1	..	6.7	0	0	30	03	0	2	1	9	3	7	5	1	0
	1730		..	..	..	16.2	11.5	7.6	10.7	59	..	4.8	..	10.4	0	5	23	01	1	0	12	13	0	1	0	3	0
OKHALDHUNGA	0830		..	..	..	15.7	10.8	6.5	9.8	56	..	2.5	..	0.1	0	0	1	00	0	0	0	0	1	0	0	30	0
	1130		..	..	..	19.0	12.0	5.8	9.5	44	..	2.9	..	2.0	0	0	12	00	0	0	0	0	4	7	1	19	0
	1730		..	..	..	16.2	10.8	5.9	9.5	52	..	4.7	..	8.3	1	2	19	00	0	0	0	0	6	14	2	9	0
CHAINPUR	0830		..	..	..	18.1	13.9	10.6	13.0	62	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	18.3	13.9	10.5	12.8	60	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BARAHAKSHETRA	0830	146	1012.1	995.3	..	22.8	16.9	12.3	14.5	52	..	1.2	..	1.6	0	0	18	04	2	3	0	1	2	4	0	13	2
	1130	146	1010.4	994.0	..	28.4	19.7	13.6	15.9	42	..	1.6	..	5.9	0	0	31	00	0	0	0	0	3	28	0	0	0
	1730	146	1007.1	990.6	..	27.0	19.0	12.8	15.5	45	..	2.0	..	0.8	0	0	8	01	1	2	0	0	1	3	0	23	0
TISTA CATCHMENT																											
GANGTOK	0830	1812	1510.1	820.5	..	13.3	10.7	8.5	11.2	73	..	4.2	..	2.5	0	0	14	03	7	0	0	0	2	1	1	17	0
	1130	1812	1500.5	820.0	..	18.2	13.3	9.7	12.2	59	..	4.8	..	6.9	0	0	29	01	1	0	1	6	17	3	0	2	0
	1730	1812	1487.0	817.8	..	14.9	12.1	10.1	12.3	73	..	6.9	..	5.0	0	0	29	01	5	0	5	12	3	0	1	2	2
GEZING	0830		..	..	..	14.7	12.5	10.6	12.9	77	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	17.3	13.9	11.2	13.5	68	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

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मौसम विज्ञान विभाग

METEOROLOGICAL DEPARTMENT

भारतीय मौसम पुनरीक्षण

INDIA WEATHER REVIEW

1969

मासिक मौसम रिपोर्ट

MONTHLY WEATHER REPORT

अप्रैल

APRIL

भारत सरकार के प्राधिकार द्वारा वेधशालाओं के महानिदेशक के निदेशाधीन प्रकाशित
Published by the Authority of the Government of India Under the Direction of the Director General of Observatories

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INDIA WEATHER REVIEW, 1969

Monthly Weather Report

APRIL

MONTHLY WEATHER REPORT

FOR

APRIL 1969

C O N T E N T S

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MEANINGS OF SYMBOLS AND ABBREVIATIONS IN TABLES II AND III

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

INDIA WEATHER REVIEW, 1969

Monthly Weather Report

APRIL

Published by the Authority of Government of India

Chief features :

(i) Movement of 6 western disturbances across northwest India causing light precipitation in the first fortnight and widespread moderate to heavy rain or snow in the second fortnight over Western Himalayas and light to moderate rain or thundershowers in the adjoining plains.

(2) Fairly widespread thunderstorm activity in Assam in the second week and in northeast India in the third week;

(3) Good rainfall in south Peninsula mostly in the first fortnight; and

(4) Appreciably to markedly below normal daily maximum temperature in many parts of north India in the second fortnight.

1. The first western disturbance lay as an upper air trough in the middle and upper troposphere over Western Himalayas on 2nd. It persisted there taking a northeast-southwest orientation and developed on 4th morning into an intense cyclonic circulation in the middle and upper troposphere. Srinagar reported at 300 mb level an easterly wind of 50 knots on 4th morning, 100 kts on 4th evening and 70 knots on 5th morning. Peshawar reported eastnortheast 65 kts on 5th morning at the same level. This system persisted till 7th and moved eastwards to Bihar Plains as a cyclonic circulation upto 5.4 kms and as a trough aloft by 9th and weakened on 10th. It induced two cyclonic circulations over Northeast Rajasthan, the first extending to above 2.0 kms.a.s.l.on 3rd morning and moving away eastwards on 4th and the second extending to about 3.0 kms.a.s.l.on 5th morning and moving away eastwards on 6th. Under the influence of these systems, there was isolated light to moderate precipitation on 3rd and 4th and very light precipitation on 5th, 7th and 8th in Himachal Pradesh and the hills of West Uttar Pradesh, and scattered light rain or thundershowers in northeast India and Uttar Pradesh on 8th and 9th. The chief amounts of rainfall were Garbyang 4 cms on 3rd and 3 cms on 4th, Nillam 1 cm on 3rd, 4th and 5th, Chandigarh 1 cm on 3rd, Bhuntar 1 cm on 4th, Goalpara 3 cm, Dhubri, Angul, Sriniketan, Berhampore 2 cm each on 8th, Jamshedpur, Chaibasa Ranchi and Purulia 2 cm each on 9th.

The second western disturbance lying as a low pressure area on the sea level chart on 9th morning over south Afghanistan and adjoining West Pakistan, moved away eastwards across the Western Himalayas on 13th causing isolated light precipitation in Jammu and Kashmir on 10th and 11th and fairly widespread light to moderate precipitation in the Western Himalayas on 12th and 13th and isolated light precipitation in Haryana and Rajasthan on 12th. The chief amounts of rainfall were : Gulmarg 1 cm on 10th, 11th and 13th and 2 cm on 12th; Srinagar 1 cm on 12th; Quazigund 1 cm on 12th and 13th; Uttar Kashi 2 cm, Dalhousie 2 cm and Bikaner 1 cm on 12th; Bilaspur 2 cm on 13th.

The third western disturbance followed in quick succession. Lying as a low pressure area over northern divisions of West Pakistan and adjoining Afghanistan on 15th and moving eastwards across the western Himalayas by 18th, it caused isolated light precipitation in Jammu and Kashmir on 15th, fairly widespread rain or snow in the Western Himalayas and ligyt rain or thundershowers in the adjoining plains on 16th and 17th and scattered light precipitation in Himachal Pradesh and the hills of west Uttar Pradesh on 18th. The significant amounts of rainfall were : on 15th 1 cm at Gulmarg; on 16th 4 cm at Gulmarg, 1 cm at Amritsar; on 17th 5 cms at Banihal, 3 cms at Quazigund and 2 cms at Tehri, Dharchula, Garbyang and Bhuntar; on 18th 2 cms at Garbyang.

The fourth western disturbance which also followed in quick succession moved across the Western Himalayas as an upper air trough in the lower troposphere between 19th and 22nd. It induced a low pressure area over Rajasthan on 20th which moved eastwards to Bihar Statr and neighbourhood on 22nd and weakened into a trough the next day. The cyclonic circulation associated with the induced low extended to about 1.5 kms a.s.l. Under the influence of these two systems, fairly widespread rain or snow occurred in

the western Himalayas (the precipitation being rather heavy on 21st) and isolated rain or thundershowers in the adjoining plains and in west Rajasthan on 20th and 21st and isolated thundershowers in Uttar Pradesh, and east Madhya Pradesh and fairly widespread thundershowers in northeast India between 21st and 23rd. According to press reports (1) Heavy snow and hail storm occurred in Himachal Pradesh between 19th and 21st destroying huts and apple crop; (2) Chandigarh and many places in Punjab where hit by hail storms on 20th which damaged wheat crops; and (3) Hail storms also lashed Almore and adjoining villages on 22nd causing damage to standing crops. The significant amounts of rainfall were : on 20th 2 cms at Gulmarg, on 21st 7 cm at Quazigund, 5 cm at Srinagar, 4 cm at Garbyang, Gulmarg, Jammu, Balurghat and Kailashahar, on 22nd 9 cm at Calcutta, 8 cm at Tezu, 6 cm at North Lakhimpur, 5 cm at Digboi and 4 cm at Mohanbari, Along, Agartala and Midnapore; and on 23rd 7 cm at Sagar Island, 6 cm at Midnapore and 4 cm at Goalpara, Pasighat, Tura and Asansol.

The fifth western disturbance lay as an upper air cyclonic circulation extending to the middle troposphere over northern divisions of West Pakistan and adjoining Afghanistan on 25th. It moved eastwards across Jammu and Kashmir by 27th causing scattered light precipitation in Jammu and Kashmir. Gulmarg recorded 1 cm of snowfall on 26th.

The sixth western disturbance moved into north Rajasthan and adjoining Punjab and Haryana on 28th as a low pressure area and persisted over that area till 30th. The associated cyclonic circulation extended to about 3.0 kms a.s.l. with a trough aloft upto about 9.0 kms a.s.l. It caused fairly widespread moderate to heavy rain or snow in the Western Himalayas and scattered light rain or thundershowers in the adjoining plains from 28th to 30th. A few stations in Rajasthan and Punjab reported duststorms on 29th. The noteworthy amounts of rainfall were : on 28th 2 cms at Manali, Gulmarg and Banihal; on 29th 7 cm at Quazigund, 6 cm at Srinagar, 3 cm at Nillam and Banihal and 2 cms at Bhuntar; on 30th 5 cm at Srinagar, 4 cm at Manali and Banihal and 3 cm at Askote, Nillam and Alwar. According to press reports, the heavy snowfall and gale in Srinagar on the last 2 days, uprooted trees, caused house collapses, disrupted communications and resulted in heavy damages to the fruit crops. Snow and hail storm hit Himachal Pradesh also on those days and destroyed fruit crop worth Rs. 1.5 crores. Hailstorms lashed Ferozepore district damaging fruit crop worth Rs.2 crores.

2. A cyclonic circulation extending to about 1.0 kms a.s.l. lay over Gangetic West Bengal from 13th to 15th and moved away eastwards across south Assam by 16th. It caused fairly widespread moderate rain or thundershowers in Assam during this period. The chief amounts of rainfall were : on 13th 6 cms at Rangiya, 3 cms at Tezpur and Dhubri; on 14th 7 cm at Silchar, 6 cms at Tangla, 5 cms at Chaparmukh, 3 cms at Rangiya; on 15th, 9 cms at Silchar, 6 cms at Haflong, 5 cm at Pasighat and Rangiya, 4 cm at Kailashahar and 3 cm at Chaparmukh. According to press reports, severe thundersqualls swept through many parts of Assam on 13th and 14th killing more than a dozen persons, injuring a large number of persons, uprooting trees and telegraph posts and damaging houses. Dacca in East Pakistan was reported to have been hit by tornado on 14th taking a toll of about a thousand human lives.

The seasonal low pressure area was lying over east Madhya Pradesh on 17th and 18th and was well marked with associated cyclonic circulation extending to 1.0 kms a.s.l. This caused incursion of moist strong southerlies into northeast India, resulting in fairly widespread rain or thundershowers in that area on those days. The chief amounts of rainfall were : on 17th 6 cms at Jalpaiguri, 3 cm at Cooch Behar, Rangiya and Silchar; on 18th 8 cm at Sriniketan, 5 cm at Agartala, 4 cm at Sabour and Calcutta, 3 cm at Malda, Sagar Island, Berhampore and Bagati and on 19th 8 cm at Imphal, 6 cm at Silchar and 4 cm at Baripada and Kailashahar.

3. A trough in the lower tropospheric easterlies moved westwards from Ceylon to Laccadives across extreme south Peninsula between 6th and 9th and persisted over the east central and southeast Arabian Sea off the west coast for another two days and weakened later. A cyclonic circulation in the lower tropospheric levels moved westwards from Ceylon across extreme south Peninsula and Laccadives between 10th and 13th. These two systems caused fairly widespread moderate rain or thundershowers over south Peninsula and the Arabian Sea Islands from 6th to 12th. The significant amounts of rainfall were : on 6th 7 cms at Palayankottai, 6 cm at Coonoor, 5 cm at Kanyakumari and 3 cm at Androth; on 7th, 3 cm at Palayankottai On 8th 6 cm at Coonoor; on 9th 4 cm at Mangalore, 3 cm at Karwar and Androth, on 10th 4 cm at Punalur and

at Atirampattinam, Bidar and Agathi; on 11th 9 cm at Calicut, 8 cm at Punalur, 6 cm at Madurai, 5 cm at Minicoy, 3 cm at Cochin; and on 12th 4 cms at Bangalore and 3 cms at Hassan. Another cyclonic circulation in the lower troposphere moved westwards from southwest Bay to Laccadives across Ceylon and extreme south Peninsula and Comorin area between 18th and 22nd causing scattered thundershowers in south Peninsula during this period with isolated heavy falls in Kerala on 21st. The chief amounts of rainfall were : on 18th 5 cms at Punalur, 3 cms at Mercara; on 19th 5 cms at Bangalore; on 20th, 4 cms at Ootacamund and 3 cms at Calicut; on 21st 7 cm at Punalur and 3 cm at Kanyakumari; and on 22nd 3 cm at Kodaikanal, 2 cms at Madurai and 1 cm at many stations in Kerala. According to press reports, heavy rain and severe thundersqualls destroyed several huts, damaged some solid structures, uprooted coconut trees and dislocated communications in north calicut on 20th.

4. The daily maximum temperature was appreciably above normal in west Rajasthan, Uttar Pradesh, most parts of Bihar and Gujarat States and some parts of Madhya Pradesh and Interior Maharashtra State on many days from 1st to 11th and in south Madhya Maharashtra and Telangana and adjoining Madhya Pradesh from 14th to 17th. It was appreciably to markedly below normal (1) over most parts of northwest India on many days from 16th to 23rd and again from 28th to 30th being 10° - 14°C below normal in Jammu and Kashmir on 29th (2) over many parts of northeast India from 17th to 20th and on 30th being 10° - 12°C below normal on 30th and (3) in Uttar Pradesh on 17th, 22nd, 23rd, 29th and 30th.

The daily minimum temperature was also appreciably to markedly below normal in many parts of north-west India, Uttar Pradesh and adjoining Madhya Pradesh and Bihar State in the last week, being 6°-8° C below normal in Jammu and Kashmir on the last two days.

The rainfall was in large excess in Gangetic West Bengal, Bihar Plateau, Punjab, Himachal Pradesh Jammu & Kashmir, East Rajasthan and Arabian Sea Islands, moderate excess in South Assam, Bihar Plains, West Uttar Pradesh and South Interior Mysore, slight excess in East Uttar Pradesh, Coastal Mysore and Kerala, normal in North Assam, Orissa, Haryana, East Madhya Pradesh, Madhya Maharashtra. It was in slight defect in West Rajasthan, moderate defect in Sub-Himalayan West Bengal, Tamil Nadu and North Interior Mysore and in large defect over the rest of the country. There was no rain in Gujarat, Saurashtra Kutch and Marathwada.

The mean maximum temperature was above normal in Bay Islands, East Uttar Pradesh, West Rajasthan Madhya Pradesh, Gujarat, Madhya Maharashtra, Marathwada, Vidarbha, Coastal Andhra Pradesh, Telangana, Rayalaseema, Tamil Nadu, Interior Mysore and Kerala, below normal in South Assam, and Punjab. It was normal over the rest of the country.

The mean minimum temperature was above normal in Himachal Pradesh, East Madhya Pradesh, Vidarbha, Rayalaseema and North Interior Mysore and normal over the rest of the country.

The mean Relative Humidity in the morning was above normal in South Assam, Sub-Himalayan West Bengal, Bihar, Haryana, Himachal Pradesh and Saurashtra Kutch, below normal in Marathwada. It was normal over the rest of the country.

The mean Relative Humidity in the evening was above normal in South Assam, west Bengal, Bihar, West Uttar Pradesh, Himachal Pradesh and Jammu and Kashmir, below normal in East Rajasthan and Marathwada. It was normal over the rest of the country.

The mean cloud amount in the morning was above normal in South Assam, Orissa, Haryana, Punjab, and North Interior Mysore, below normal in Himachal Pradesh, west Madhya Pradesh, Gujarat, Madhya Maharashtra, Marathwada and Rayalaseema. It was normal over the rest of the country.

The mean cloud amount in the evening was above normal in Sub-Himalayan West Bengal, west Uttar Pradesh, and Haryana, below normal in Himachal Pradesh, East Rajasthan, West Madhya Pradesh, Gujarat, Konkan, Vidarbha and Coastal Andhra Pradesh. It was normal over the rest of the country.

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

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

Poona-411005;

1st September 1969.

Y.P. RAO

for Director General of Observatories

TABLE I - DIVISIONAL AND SUB-DIVISIONAL MEANS - APRIL ,1969CHAITRA 11 - VAISAKHA 10,1891 SAKA)

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1.ASSAM(INCLUDING.	192.1	121	31.4	19.9	75	67	3.8	3.9
NEFA,N.L.ETC) .	+ 33.4		0.0	-0.1	+ 4	+ 6	0.0	+0.1
2.WEST BENGAL .	73.3	138	36.0	23.2	66	57	2.8	3.3
.	+ 20.0		+0.1	-0.3	+ 5	+ 9	0.0	+0.5
3.ORISSA .	28.9	105	37.9	24.1	64	51	2.8	3.6
.	+ 1.5		+0.8	-0.5	+ 3	+ 3	+0.5	+0.2
4.BIHAR .	33.5	201	38.0	21.9	54	39	2.0	2.2
.	+ 16.8		+0.4	-0.4	+10	+12	+0.3	0.0
5.UTTAR PRADESH .	11.3	138	38.0	21.2	41	26	1.3	1.7
.	+ 3.1		+0.9	+0.6	+ 2	+ 3	0.0	+0.1
6.HARYANA(INCLU. .	9.5	93	35.5	20.3	46	27	1.8	2.8
DELHI CHANDIGARH).	- 0.7		-0.4	+0.6	+ 6	+ 5	+0.5	+1.1
7.PUNJAB .	23.8	209	33.9	18.3	51	32	2.7	3.5
.	+ 12.4		-1.1	+0.4	+ 5	+ 5	+0.8	+1.0
8.HIMACHAL .	57.1	201	30.7	16.1	73	53	1.5	2.3
PRADESH .	+ 28.7		-0.9	+1.9	+13	+21	-1.1	-1.2
9.JAMMU AND .	90.5	211	21.2	9.6	65	50	2.8	5.5
KASHMIR .	+ 47.6		-0.4	-0.1	+ 1	+ 7	-0.6	+0.4
SUB-DIVISION								
SUB-DIVISION								
1.BAY ISLANDS .	31.8	35	33.1	24.7	72	76	3.8	4.5
.	- 58.6		+1.3	+0.2	- 2	- 3	-0.9	-0.5
2.NORTH ASSAM .	165.1	110	31.6	19.9	74	66	3.6	3.6
(INCLUDING NEFA) .	+ 14.6		+0.4	0.0	+ 3	+ 4	-0.4	-0.2
3.SOUTH ASSAM .	253.7	143	30.9	20.0	75	70	4.2	4.1
(INCL.N.LAND ETC).	+ 76.4		-1.1	-0.3	+ 6	+11	+0.7	+0.6
4.SUB-HIMALAYAN .	66.0	72	33.7	20.6	68	65	3.0	2.8
WEST BENGAL .	- 25.1		+0.3	0.0	+ 6	+17	0.0	+0.7
5.GANGETIC WEST- .	75.7	186	36.9	24.1	65	54	2.7	3.5
BENGAL .	+ 35.0		+0.1	-0.4	+ 4	+ 6	0.0	+0.5
6.ORISSA .	28.9	105	37.9	24.1	64	51	2.8	3.6
.	+ 1.5		+0.8	-0.5	+ 3	+ 3	+0.5	+0.2
7.BIHAR PLATEAU .	54.6	279	38.6	22.8	56	39	2.1	3.2
.	+ 35.0		+0.7	-0.1	+14	+14	+0.2	+0.3
8.BIHAR PLAINS .	19.5	132	37.5	21.1	52	38	1.8	1.5
.	+ 4.7		+0.1	-0.7	+ 6	+10	+0.2	-0.1
9.UTTAR PRADESH .	6.4	121	39.3	22.2	38	24	1.2	1.3
(EAST) .	+ 1.1		+1.1	+0.6	0	+ 1	0.0	-0.1
10.UTTAR PRADESH .	18.7	150	36.1	19.5	44	30	1.4	2.4
(WEST) .	+ 6.2		+0.8	+0.3	+ 5	+ 7	0.0	+0.4
11.HARYANA(INCLU. .	9.5	93	35.5	20.3	46	27	1.8	2.8
DELHI CHANDIGARH).	- 0.7		-0.4	+0.6	+ 6	+ 5	+0.5	+1.1
12.PUNJAB .	23.8	209	33.9	18.3	51	32	2.7	3.5
.	+ 12.4		-1.1	+0.4	+ 5	+ 5	+0.8	+1.0
13.HIMACHAL .	57.1	201	30.7	16.1	73	53	1.5	2.3
PRADESH .	+ 28.7		-0.9	+1.9	+13	+21	-1.1	-1.2
14.JAMMU AND KASH- .	90.5	211	21.2	9.6	65	50	2.8	5.5
-MIR .	+ 47.6		-0.4	-0.1	+ 1	+ 7	-0.6	+0.4
15.RAJASTHAN(WEST).	2.3	77	38.7	21.2	37	22	1.2	1.8
.	- 0.7		+1.2	+0.1	- 4	- 2	-0.1	-0.2
16.RAJASTHAN(EAST).	5.3	166	38.4	21.5	32	17	1.2	1.4
.	+ 2.1		+0.9	+0.1	- 4	- 7	-0.1	-0.8
17.MADHYA PRADESH .	0.2	4	39.6	22.4	28	17	1.0	1.8
(WEST) .	- 4.9		+1.5	+0.6	- 2	0	-0.6	-0.8

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
10.RAJASTHAN .	4.0	129	38.6	21.3	34	19	1.2	1.6
.	+ 0.9		+1.1	0.0	- 5	- 5	-0.1	-0.5
11.MADHYA PRADESH .	7.0	74	39.8	22.9	30	19	1.2	2.1
.	- 2.5		+1.6	+0.9	- 3	0	-0.5	-0.7
12.GUJARAT STATE .	0.0	0	38.0	23.2	64	37	1.2	1.2
(INCLU.DIU ETC).	- 1.4		+1.2	+0.5	+ 4	+ 1	-0.3	-0.2
13.MAHARASHTRA .	6.1	55	38.9	24.6	50	33	1.6	2.3
STATE(INCL.GOA).	- 4.9		+1.6	+0.6	0	0	-0.6	-0.7
14.ANDHRA PRADESH .	4.0	22	38.4	26.2	66	46	2.9	2.7
.	- 13.9		+1.4	+0.7	+ 2	+ 2	-0.3	-0.6
28.TAMILNADU .	24.5	59	36.0	25.6	74	57	4.3	4.6
(INCL.PONDICH.).	- 17.3		+1.3	+0.2	+ 2	0	+0.3	+0.4
16.MYSORE .	38.4	106	36.2	23.8	67	41	3.3	4.4
.	+ 2.3		+1.1	+0.8	0	- 2	+0.3	+0.1
17.KERALA .	150.3	111	34.5	25.5	78	69	5.0	5.6
.	+ 15.2		+1.1	+0.4	0	0	+0.6	+0.2
SUB-DIVISION								
SUB-DIVISION(CONT'D)								
18.MADHYA PRADESH .	16.0	104	40.0	23.6	33	21	1.6	2.5
(EAST) .	+ 0.6		+1.8	+1.3	- 4	- 1	-0.2	-0.4
19.GUJARAT REGION .	0.0	0	40.5	23.9	51	23	1.0	1.1
(INCL.DAMAN ETC).	- 2.1		+1.4	+1.0	0	0	-0.4	-0.3
20.SAURASHTRAKUTCH.	0.0	0	35.9	22.6	74	48	1.4	1.3
(INCLUDING DIU) .	- 0.8		+1.0	0.0	+ 6	0	-0.2	-0.1
21.KONKAN .	2.2	36	32.8	25.4	76	68	2.5	1.8
(INCLUDING GOA).	- 3.9		+0.8	+0.4	+ 3	+ 2	-0.3	-0.5
22.MADHYA- .	12.6	91	40.4	23.2	47	25	1.2	2.2
-MAHARASHTRA .	- 1.2		+1.6	+0.7	+ 1	+ 2	-0.5	-1.0
23.MARATHWADA .	0.0	0	40.6	22.6	27	13	1.3	2.8
.	- 6.9		+1.8	-0.8	- 9	- 9	-0.4	-0.6
24.VIDARBHA .	4.4	33	41.6	26.2	37	21	1.3	2.6
.	- 9.1		+2.2	+1.3	- 2	- 1	-1.0	-0.8
25.COASTAL ANDHRA .	0.7	5	36.7	26.1	73	63	3.4	2.1
-PRADESH .	- 14.3		+1.1	+0.3	0	+ 1	-0.3	-0.9
26.TELANGANA .	7.3	32	40.1	26.2	61	31	2.6	3.1
.	- 15.2		+1.5	+0.9	+ 4	+ 4	-0.2	-0.3
27.RAYALASEEMA .	6.2	36	39.6	26.4	59	34	2.1	3.6
.	- 11.1		+1.5	+1.1	+ 3	+ 4	-0.7	-0.2
15.TAMILNADU .	24.5	59	36.0	25.6	74	57	4.3	4.6
(INCL.PONDICH.).	- 17.3		+1.3	+0.2	+ 2	0	+0.3	+0.4
29.COASTAL MYSORE .	30.7	123	33.3	26.0	76	67	4.1	3.9
.	+ 5.7		+0.8	+0.6	+ 1	- 2	+0.3	-0.1
30.INTERIOR MYSORE.	14.6	50	38.5	24.5	55	32	2.8	4.5
(NORTH) .	- 14.7		+1.2	+1.4	- 2	- 2	+0.5	+0.5
31.INTERIOR MYSORE.	63.1	132	35.6	22.0	73	35	3.3	4.6
(SOUTH) .	+ 15.4		+1.1	+0.3	+ 1	- 1	-0.1	-0.3
32.KERALA .	150.3	111	34.5	25.5	78	69	5.0	5.6
.	+ 15.2		+1.1	+0.4	0	0	+0.6	+0.2
33.ARABIAN SEA- .	69.6	181	32.5	26.2	75	73	3.5	4.4
ISLANDS .	+ 31.2		+0.4	-0.5	+ 1	- 1	-0.5	-0.2

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

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - APRIL ,1969(CHAITRA 11 - VAISAKHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
BAY ISLANDS																												
MAYA BANDAR	33.5	+2.2	35.3	16	25.1	+0.4	23.0	07	0.0	4.2	-39.3	3.6	07	1	-1.5	9.4	6.6	+0.2	0	2	0	0	3	0	0	0	0	0
LONG ISLAND	33.1	+0.4	35.2	16	25.1	+0.5	23.2	02	0.0	2.0	-60.4	2.0	06	0	-3.4	5.1	3.0	+1.1	0	1	0	0	3	0	0	0	0	0
PORT BLAIR	33.7	+1.8	34.8	16	24.8	+0.6	23.3	01	8.0	44.6	-16.4	25.0	23	4	-0.5	8.1	5.9	-2.8	0	5	0	0	13	2	0	0	0	0
CAR NICOBAR	33.0	+0.9	35.0	26	23.2	0.0	20.9	17	11.9	17.1	-92.1	11.9	17	2	-3.9	5.8	2.6	-0.4	0	3	0	0	0	0	0	0	0	0
NANCOWRY	34.1	+1.8	35.3	30	25.8	+0.6	23.9	22	8.8	77.0	-48.9	22.6	10	7	-1.0	2.0	1.1	-0.9	0	8	0	0	5	0	0	0	0	0
KONDUL	31.4	+1.0	33.4	16	24.0	-1.3	22.3	16	27.9	46.1	-94.4	13.8	16	6	-1.6	3.8	2.1	-0.8	0	8	0	0	0	0	0	0	0	0
HUT BAY/LITTLE ANDAMAN	33.5	..	34.6	23	24.4	..	22.6	14	27.2	27.2	..	18.6	09	3	..	9.6	5.4	..	0	5	0	0	2	0	0	0	0	0
NORTH ASSAM(INCLUDING NEFA)																												
PASIGHAT	29.0	+0.5	33.5	10	19.5	-0.1	17.0	07	105.1	231.5	+17.8	53.8	15	13	+2.6	8.8	12.3	+0.5	0	14	0	0	10	0	0	0	0	0
DIBRUGARH(MOHANBARI)	29.3	+0.8	33.5	04	18.9	-0.1	16.6	07	13.2	164.1	-49.7	42.4	22	10	-2.7	7.2	5.8	+0.8	2	15	0	0	15	0	0	0	0	0
DIGBOI	30.1	+1.3	33.8	04	18.7	-0.1	14.1	13	33.3	232.6	+8.9	53.5	23	12	-2.4	5.6	4.4	..	0	13	0	0	0	0	0	0	0	0
NORTH LAKHIMPUR	29.8	+1.0	32.8	10	18.5	-0.9	15.0	07	56.2	198.1	+54.6	63.8	22	9	-1.4	8.3	5.4	..	1	15	0	0	11	0	0	0	0	0
SIBSAGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
[illegible]HPUR	30.9	+0.5	34.0	12	18.9	-0.2	16.4	07	14.0	138.4	+4.5	41.2	06	11	+4.0	6.8	4.9	..	0	13	0	0	0	0	0	0	0	0
NAJHAT	31.6	..	35.0	12	19.8	..	17.0	07	16.2	107.3	-50.1	25.1	20	6	-3.0	8.3	6.5	-0.5	0	6	0	0	0	0	0	0	0	0
JORHAT AERODROME	31.0	..	35.1	12	20.0	..	18.3	05	31.5	238.9	..	53.6	20	15	..	..	..	..	0	15	0	0	20	0	0	0	0	0
TANGLA	32.3	+0.6	35.0	03	20.3	+1.0	17.6	01	12.2	201.4	+10.8	78.4	14	12	+3.0	..	5.5	+2.2	0	12	0	0	0	0	0	0	0	0
TEZPUR	32.1	+1.8	36.4	18	20.5	+0.3	17.5	27	12.1	156.6	-1.1	26.5	13	10	-1.0	4.5	4.3	-2.4	0	12	0	0	0	0	0	0	0	0
GOLAGHAT	31.2	+0.7	35.6	04	18.6	-1.4	16.7	30	29.2	160.8	+58.4	24.0	19	11	+1.6	4.2	3.6	..	1	13	0	0	0	0	0	0	0	0
RANGIA	31.4	-1.5	35.0	03	20.4	+0.6	18.6	01	44.6	259.0	+177.0	64.6	15	8	+1.7	..	..	..	0	10	0	0	6	0	0	0	0	0
CHAPARMUKH	33.5	-0.2	37.0	04	23.0	+2.1	18.1	15	0.0	129.8	+16.0	46.0	14	8	+1.5	5.4	5.1	..	0	10	0	0	1	0	0	0	0	0
GOALPARA	32.5	-0.5	36.1	05	19.8	-0.6	16.4	01	6.1	160.4	-17.5	41.3	23	10	+2.2	6.9	5.0	+0.2	0	12	0	0	0	0	0	0	0	0
GAUHATI(BORJHAR)	32.3	+0.4	35.7	04	20.2	+0.1	16.2	01	28.2	89.5	-31.5	24.4	17	10	+1.6	8.8	6.5	..	0	12	0	0	16	0	0	0	4	0
DHUBRI(RUPSI)	32.9	-1.3	36.9	06	20.8	-0.4	17.2	01	17.7	138.4	+9.7	44.8	13	8	+3.3	10.1	8.5	+2.0	0	10	0	0	15	0	0	0	3	0
DHUBRI	32.1	+0.5	35.7	03	21.3	-0.2	18.5	08	44.0	181.0	+18.9	28.8	20	12	+3.0	12.2	10.3	+1.8	0	13	0	0	10	0	0	0	0	0
LUMDING	34.0	+1.0	40.0	06	18.9	-0.2	11.9	05	43.4	98.2	+7.0	20.4	19	9	+1.4	7.9	5.4	..	0	10	0	0	0	0	0	0	0	0
BOMDILLA	5.4	..	7.1	30	1.4	..	0.1	09	15.0	35.2	..	18.8	13	2	..	7.5	7.4	..	0	4	0	0	0	6	0	0	0	0
TAWANG	14.8	..	15.6	08	7.6	..	6.1	21	23.7	74.3	..	17.2	21	7	..	..	..	..	0	8	0	0	0	0	0	0	0	0
TEZU	29.4	..	34.1	04	16.9	..	11.7	07	128.8	281.8	..	82.2	22	13	..	4.3	2.7	..	0	14	0	2	0	0	0	0	0	0
ALONG	29.3	..	33.2	15	17.8	..	12.4	07	16.4	204.4	..	43.6	06	10	..	..	..	..	0	12	0	0	0	0	0	0	0	0
ZIRO	22.7	..	25.9	07	8.7	..	6.2	08	3.6	35.3	..	26.4	30	3	..	9.9	7.1	..	0	4	0	0	5	7	0	0	0	0
KHONSA	28.3	..	29.8	11	16.6	..	14.6	27	11.0	61.0	..	12.8	15	9	..	..	..	..	0	9	0	0	0	0	0	0	0	0
SOUTH ASSAM(INCLUDING NAGALAND, MANIPUR AND TRIPURA)																												
TURA	31.5	-1.0	34.3	10	22.7	+0.6	18.1	07	18.3	182.3	+66.2	71.2	30	7	+2.5	9.6	10.2	+0.1	0	7	0	0	0	0	0	0	0	0
HAFLONG	26.4	-1.7	30.1	06	20.1	+1.4	16.0	18	71.8	245.6	+49.4	101.2	19	11	+0.1	..	..	..	0	12	0	0	12	0	0	0	0	0
SILCHAR(KUMBHIRGRAM)	32.5	-0.3	36.4	06	20.6	-0.2	18.2	30	33.7	193.7	-27.4	61.6	19	8	-3.0	7.9	8.0	0.0	0	12	0	0	16	0	0	0	1	0
SILCHAR	29.7	-1.8	33.0	30	20.6	-0.2	16.6	02	62.4	342.4	-27.4	88.6	15	13	-1.2	0.6	0.4	-2.3	0	13	0	0	15	0	0	0	0	0
IMPHAL(TULIHAL)	29.6	+0.2	33.6	30	13.7	-1.8	7.5	01	49.0	158.2	+66.9	81.1	19	5	-3.0	13.2	8.3	-0.7	2	8	0	0	9	0	0	0	0	0
KAILASHAHAR	32.9	-1.6	36.3	03	20.3	-1.4	16.6	01	75.4	451.0	+325.9	199.0	19	11	+4.5	9.3	7.3	+2.8	0	15	0	0	16	1	0	0	2	0
AGARTALA	33.8	-1.3	36.3	04	22.2	-0.6	18.2	18	116.4	202.6	+81.3	54.6	18	9	+3.1	13.0	10.1	-0.8	0	10	0	1	13	0	0	0	4	0
TUENSANG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MOKOKCHUNG	24.2	..	26.9	26	15.8	..	10.7	15	1.0	200.0	..	70.0	13	9	..	8.3	8.8	..	1	11	0	0	0	0	0	0	0	0
SUB-HIMALAYAN WEST BENGAL																												
BAGHDOGRA	33.6	+0.4	37.2	12	19.1	-0.5	13.5	24	22.4	27.0	-33.0	20.0	18	2	-1.8	..	..	..	0	3	0	0	8	0	0	0	1	0
JALPAIGURI	32.0	+0.4	35.2	06	20.9	+0.5	17.3	24	20.0	91.8	-22.0	57.2	17	4	-2.2	9.2	8.4	+0.5	0	5	0	0	4	0	0	0	0	0
COOCH BEHAR AERODROME	32.0	-0.6	35.3	03	19.9	-0.4	16.9	10	17.8	97.2	-59.0	31.0	17	7	-0.5	8.1	5.6	-1.3	0	9	0	1	15	0	0	0	1	0
BALURGHAT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MALDA	37.1	+1.1	40.7	04	22.6	+0.5	18.4	18	25.4	48.0	+13.5	25.4	18	4	+1.6	4.2	3.4	-4.6	0	6	0	0	7	0	1	0	0	0
GANGETIC WEST BENGAL																												
BERHAMPORE	38.2	+0.6	43.1	14	23.4	+0.3	19.4	01	25.4	60.5	+14.5	35.0	18	3	-0.2	4.9	4.0	-0.9	0	4	0	0	2	0	0	0	0	0
SURI	38.2	-0.7	42.9	14	23.7	-0.3	19.1	18	..	44.6	+23.6	30.0	18	2	+0.9	.	8.8	-1.3	0	5	0	0	6	0	0	0	0	0
ASANSOL	39.2	+0.7	43.5	07	23.1	-0.7	18.2	02	21.6	86.8	+60.6	36.3	23	6	+3.9	9.9	7.0	-1.2	0	7	0	2	9	0	1	0	2	0
SHANTI NIKETAN	37.7	..	42.7	14	23.4	..	17.7	18	74.1	129.7	..	75.3	18	4	..	7.6	8.0	..	0	7	0	0	10	0	1	0	0	0
KRISHNANAGAR	37.6	-0.3	41.8	14	23.0	-0.4	18.0	01	8.7	87.3	+20.0	70.0	18	3	-1.2	11.5	8.7	0.0	0	5	0	0	2	0	0	0	0	0
PURULIA	38.5	-0.5	42.3	29	23.6	-1.1	18.7	18	9.2	67.8	+44.4	29.0	30	5	+2.5	8.0	6.1	+0.6	2	5	0	0	15	0	2	0	0	0
BANKURA	39.3	..	42.6	14	24.3	..	20.1	18	28.7	63.0	+27.9	24.7	30	4	+1.2	2.5	2.4	..	0	7	0	0	0	0	0	0	0	0
BURDWAN	38.3	+0.8	41.0	17	23.9	-0.4	19.3	18	12.2	42.4	-13.2	20.0	18	3	-0.5	8.7	7.5	+0.8	0	4	0	0	0	0	0	0	0	0
CALCUTTA (DUM DUM)	36.1	+0.1	40.0	15	24.5	+0.2	19.8	18	1.4	59.0	+14.9	28.1	18	3	+0.2	14.5	13.0	0.0	0	4	0	0	7	0	0	0	3	0
CALCUTTA	36.1	-0.2	40.7	15	25.4	+0.4	20.4	18	6.5	140.4	+89.9	91.0	22	3	-0.3	10.4	9.3	+1.9	0	4	0	0	6	0	0	0	5	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — APRIL 1949 (CHAITRA 11 - VAISAKHA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation: 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
GANGETIC WEST BENGAL (CONTD.)																												
MIDNAPORE	38.0	-0.4	42.5	14	23.2	-1.4	18.5	23	5.0	127.8	+ 76.2	61.4	23	5	+ 1.6	9.0	8.4	+0.8	0	5	0	0	2	0	0	0	0	0
CONTAI	34.0	+0.1	38.2	01	25.3	-0.6	19.1	18	0.0	13.2	- 12.5	5.0	22	1	- 0.9	19.6	15.4	-0.3	0	5	0	0	0	0	0	0	0	0
SAGAR ISLAND	31.2	-0.1	32.2	09	26.2	-0.3	19.9	19	71.2	115.6	+ 73.2	69.6	23	4	+ 1.5	29.1	27.6	+0.2	2	4	0	0	6	0	0	0	0	0
SANDHEADS	30.8	..	34.2	26	27.4	..	22.0	30	33.2	56.4	+ 39.6	31.4	23	3	+ 1.7	..	..	..	0	3	0	0	3	0	0	0	0	0
NARENDRAPUR	36.2	..	40.6	16	24.1	..	19.2	01	6.9	122.3	..	87.0	22	2	..	9.2	8.1	..	1	2	0	0	8	0	0	0	0	0
BAGATI	37.3	..	40.6	15	23.2	..	19.4	18	2.7	43.8	..	32.8	18	3	..	11.2	8.9	..	0	3	0	0	7	1	0	0	0	0
ORISSA																												
BARIPADA	39.1	-0.6	43.9	14	24.2	0.0	20.0	01	21.5	72.6	+ 40.6	43.2	19	5	+ 2.2	5.4	4.0	+0.3	0	7	0	0	13	0	0	0	0	0
JHARSUGUDA	41.0	+0.9	43.6	14	24.6	+0.4	18.9	01	3.2	22.5	+ 12.7	20.8	30	1	- 0.2	11.0	8.9	+1.1	0	4	0	0	9	0	0	0	2	0
KEONJHARGARH	37.9	+0.6	40.9	17	16.2	-7.1	10.7	11	0.0	27.6	- 9.3	10.0	29	3	- 0.4	12.2	7.4	+0.5	1	6	0	0	0	0	0	0	0	0
BALASORE	36.3	+0.1	39.4	28	23.3	-1.5	20.4	01	25.8	49.7	- 0.6	20.4	11	3	- 0.8	15.9	12.7	+0.9	0	8	0	0	0	0	0	0	0	0
SAMBALPUR	41.1	+1.5	43.6	18	22.2	-1.6	15.9	01	0.0	26.0	+ 11.0	17.2	30	2	+ 0.5	7.8	4.5	-0.8	0	3	0	0	0	0	0	0	0	0
ANGUL	39.9	+1.0	43.0	16	23.0	-1.9	18.8	08	16.8	39.2	+ 10.5	18.0	08	4	+ 1.7	..	..	..	0	4	0	[illegible]	0	0	0	0	0	0
CHANDBALI	36.9	+0.5	42.9	16	24.3	-0.7	21.7	23	46.8	50.4	- 0.1	37.4	26	2	- 1.4	19.6	16.6	+2.1	0	2	0	[illegible]	1	0	0	0	0	0
BOLANGIR	41.2	+1.2	44.6	18	25.1	-0.7	20.9	26	0.0	56.2	+ 34.0	21.8	21	4	+ 2.4	8.9	9.3	+1.9	0	6	0	0	5	0	0	0	0	0
PHULBANI	39.0	..	42.0	17	20.8	..	12.6	03	2.6	20.5	..	10.2	08	3	..	8.4	4.0	..	0	7	0	0	9	0	0	0	0	0
CUTTACK	38.9	+0.6	43.6	16	26.5	+1.2	24.3	05	0.0	0.0	- 30.7	0.0	..	0	- 2.1	11.8	10.1	+2.4	0	0	0	0	1	0	2	0	0	0
TITLAGARH	42.7	+3.4	44.9	06	24.6	-0.7	21.8	01	0.0	20.1	+ 7.5	9.5	30	2	+ 0.7	3.8	3.6	-0.5	1	6	0	0	11	0	0	0	0	0
BHUBANESWAR	37.7	-0.3	43.1	16	25.3	-0.4	22.9	05	9.2	5.9	- 6.5	5.9	26	1	- 0.1	27.4	25.4	+0.7	0	1	0	0	5	0	0	0	0	0
PURI	31.4	+0.7	32.8	02	26.2	-0.4	22.8	03	0.0	0.0	- 16.0	0.0	..	0	- 1.2	20.8	20.9	-3.1	0	0	0	0	0	0	0	0	0	0
GOPALPUR	31.2	+0.1	38.8	27	24.5	-0.6	21.4	01	11.0	8.6	- 9.7	8.2	23	1	- 0.6	..	..	..	0	2	0	0	6	2	0	0	1	0
KORAPUT	34.8	+1.2	36.9	17	27.8	+7.1	22.8	10	0.5	26.1	- 22.1	19.2	10	2	- 1.6	..	..	..	1	5	0	0	0	0	0	0	0	0
PARADIP PORT	33.8	..	34.8	30	23.4	..	22.1	01	0.0	0.0	..	0.0	..	0	..	40.4	33.1	..	0	0	0	0	0	0	0	0	0	0
ROURKELA	40.7	..	43.4	17	25.3	..	19.2	01	9.5	29.7	..	14.4	09	3	..	..	..	..	0	3	0	1	4	0	2	0	0	0
BHOWANI PATNA	41.6	..	44.7	18	29.7	..	23.8	30	10.1	27.1	..	17.0	19	2	..	10.8	10.0	..	0	2	0	0	2	0	0	0	0	0
BIHAR PLATEAU																												
DUMKA	38.9	+0.9	43.2	29	23.4	+0.7	19.4	22	10.7	34.0	+ 7.1	19.2	23	3	+ 0.8	7.0	6.8	+1.4	0	5	0	0	0	0	0	0	0	0
DALTONGANJ	40.4	+2.1	43.4	21	21.1	-0.1	16.3	02	1.8	10.7	+ 0.5	4.6	09	2	+ 1.1	8.2	6.5	+1.2	0	4	0	0	0	0	0	0	0	0
HAZARIBAGH	36.6	+0.8	39.0	13	22.2	+0.8	17.6	09	5.0	11.8	- 3.9	5.0	18	2	+ 0.3	13.4	10.0	+0.2	0	3	0	0	6	0	0	0	0	0
DHANBAD	38.6	+1.0	42.9	07	24.0	+0.5	18.2	02	25.2	38.3	+ 19.5	21.8	22	3	+ 1.3	7.2	6.1	-3.0	0	5	0	1	7	0	0	0	0	0
RANCHI AERODROME	35.9	-0.1	38.8	17	21.4	-0.9	15.9	09	30.8	74.1	+ 58.4	33.5	30	5	+ 3.7	14.4	10.6	+0.7	1	8	0	2	12	0	2	0	4	0
JAMSHEDPUR	39.1	+0.4	41.9	17	23.5	-0.2	17.6	01	26.4	128.6	+ 98.3	52.3	30	6	+ 3.6	8.7	7.6	+1.3	0	6	0	1	6	0	4	0	1	2
JAMSHEDPUR P.B.O	39.1	-0.5	42.0	17	23.5	-0.7	18.2	01	0.2	95.4	+ 82.9	36.0	30	6	+ 5.0	6.8	5.7	0.0	0	6	0	0	13	0	0	0	0	0
CHAIBASA	39.9	+1.0	43.0	17	23.6	-0.5	19.9	01	12.4	43.6	+ 16.9	19.0	09	4	+ 1.8	6.6	4.6	+0.6	0	6	0	0	7	0	0	0	0	0
BIHAR PLAINS																												
MOTIHARI	36.7	+0.7	41.1	11	18.1	-1.8	8.3	13	0.0	41.1	+ 18.0	31.4	17	3	+ 1.3	..	..	..	0	4	0	0	2	0	0	0	0	0
FORBESGANJ	34.7	-2.2	37.8	06	20.9	+0.6	14.8	24	14.0	16.8	+ 0.7	14.0	18	1	- 0.6	12.0	9.5	-0.1	0	4	0	0	6	0	0	0	0	0
DARBHANGA	36.9	+1.0	40.9	07	20.7	-0.6	17.3	24	10.4	13.0	- 7.1	8.2	18	2	+ 0.6	5.9	4.5	-1.4	0	2	0	0	1	0	2	0	0	0
MUZAFFARPUR	37.0	..	40.4	07	21.8	..	17.4	24	2.3	2.9	- 10.8	2.3	18	0	- 1.2	8.5	5.7	..	0	2	0	0	0	0	0	0	0	0
CHAPRA	39.0	..	42.4	07	23.7	..	19.0	18	1.2	2.8	- 8.5	1.6	09	0	- 0.9	9.5	5.6	..	0	2	0	0	1	0	2	0	0	0
PURNEA	35.5	-0.5	39.9	06	18.9	-1.6	13.8	01	23.2	32.0	- 2.0	22.4	18	2	- 0.1	5.6	4.0	-2.2	0	5	0	0	3	0	0	0	0	0
PATNA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
PATNA AERODROME	38.2	-0.2	42.3	07	23.2	+0.7	19.2	24	3.4	14.1	+ 7.7	4.3	22	4	+ 3.6	12.4	7.9	-0.5	0	4	0	0	6	1	3	0	3	0
ARRAH	..	..	..	..	..	..	..	..	..	0.0	- 7.8	0.0	..	0	- 0.7	..	..	..	0	0	0	0	0	0	0	0	0	0
BHAGALPUR	37.9	0.0	41.5	06	23.6	0.0	17.9	27	18.3	31.3	+ 22.6	18.3	18	3	+ 1.8	10.9	8.3	-2.1	0	3	0	0	4	0	0	0	0	0
SABAUR	37.8	+0.9	41.5	06	19.5	-1.7	13.7	01	38.8	67.0	+ 41.9	38.2	18	3	+ 1.1	9.7	6.9	-2.5	0	3	0	0	4	0	0	0	3	0
JAMUI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
DEHRI	39.6	+0.3	43.0	29	21.9	-2.3	17.1	09	3.6	11.0	+ 3.9	7.4	09	1	+ 0.2	9.0	6.1	-1.3	0	3	0	0	1	0	0	0	0	0
GAYA	40.0	+1.0	43.5	29	23.1	+0.1	19.1	09	0.0	2.1	- 1.7	1.7	09	0	- 0.5	10.9	8.3	-2.1	0	2	0	0	4	0	1	0	2	0
SUPAUL	39.3	..	40.2	06	20.2	..	15.1	01	0.0	11.0	..	8.0	16	2	..	.	4.1	..	0	2	0	0	0	0	0	0	0	0
UTTAR PRADESH EAST																												
KHERI	38.4	+0.8	42.4	13	21.9	+1.0	19.0	04	1.2	14.0	+ 11.9	11.0	30	1	+ 0.6	8.5	5.5	+0.4	0	3	0	1	5	0	1	0	0	0
BAHRAICH	38.7	+1.3	42.4	13	22.0	+1.1	17.1	23	4.2	5.6	- 3.0	4.4	18	1	+ 0.3	12.5	8.4	+1.1	0	2	0	0	3	1	1	0	0	0
NAUTANWA	37.1	-0.7	41.4	07	18.7	-1.2	14.8	24	19.4	56.5	+ 44.3	26.2	17	3	+ 2.4	8.7	5.3	-1.8	0	5	0	0	0	0	0	0	0	0
HARDDI	38.5	+0.6	43.0	29	21.8	+1.2	17.9	26	0.0	0.0	- 1.0	0.0	..	0	- 0.2	9.6	7.3	+0.2	0	0	0	0	0	0	5	0	0	0
GONDA	38.6	+1.0	42.0	06	21.4	+0.4	17.8	25	3.2	3.2	- 8.7	3.2	18	1	+ 0.3	9.8	7.4	0.0	0	1	0	0	0	0	0	0	0	0
LUCKNOW	38.3	0.0	42.5	06	22.6	+0.8	19.5	25	0.0	0.0	- 9.1	0.0	..	0	- 0.7	..	..	..	0	0	0	0	1	0	0	0	0	0
LUCKNOW (AMAUSI)	39.1	+0.9	43.0	29	21.4	+0.9	17.3	24	0.0	0.0	- 0.9	0.0	..	0	- 0.1	16.2	10.5	+0.7	0	0	0	0	4	0	1	0	1	0
FAIZABAD	39.6	+2.5	43.0	29	21.3	+1.3	13.3	25	1.2	1.2	- 2.0	1.2	18	0	- 0.4	8.5	4.9	+0.1	0	1	0	0	2	0	0	0	0	0
GORAKHPUR	38.9	+1.5	43.1	06	22.5	+0.1	19.3	1[illegible]	13.0	13.0	+ 2.6	13.0	18	1	+ 0.1	9.3	6.2	-0.2	0	1	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — APRIL 1969 CHAITRA 11 - VAISAKHA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																												
KANPUR	39.6	+1.3	44.3	29	22.2	+0.2	18.1	24	0.0	0.0	- 6.1	0.0	..	0	- 0.7	17.7	12.8	+0.7	0	0	0	0	0	0	0	0	0	0
KANPUR (AERODROME)	40.2	..	44.2	29	22.3	..	17.8	01	0.0	0.2	..	0.2	21	0	..	..	..	..	1	0	0	0	4	0	3	0	0	0
SULTANPUR	40.5	+2.1	43.8	29	22.5	+0.1	19.4	25	0.0	0.6	- 2.7	0.6	21	0	- 0.2	7.6	6.0	-0.3	0	1	0	0	0	0	0	0	0	0
AZAMGARH	39.8	+0.7	43.4	29	22.5	+0.6	19.4	24	0.0	0.0	- 2.9	0.0	..	0	- 0.3	9.5	5.3	..	0	0	0	0	0	0	0	0	0	0
FATEHPUR	39.7	+1.1	43.5	29	22.3	+0.2	17.3	24	0.0	1.4	- 5.6	0.8	09	0	- 0.6	..	..	..	0	2	0	0	1	0	0	0	0	0
BALLIA	39.3	+0.3	42.9	07	22.9	+1.0	19.3	24	0.0	7.6	+ 4.7	7.6	22	1	+ 0.8	7.6	5.6	-0.8	0	1	0	0	3	0	2	0	0	0
BANDA	41.3	+1.8	45.0	29	23.3	+0.5	18.8	24	0.0	0.0	- 1.5	0.0	..	0	- 0.3	6.3	3.0	-0.5	0	0	0	0	0	0	0	0	0	0
ALLAHABAD (BAMHRAULI)	41.0	+2.2	45.0	29	23.1	+0.6	19.4	24	0.0	0.0	- 5.3	0.0	..	0	- 0.6	8.5	4.4	-3.3	0	0	0	0	3	0	1	0	3	0
VARANASI (BABATPUR)	39.7	+0.9	43.2	29	23.0	+0.8	18.6	09	0.0	2.0	+ 0.9	2.0	09	0	- 0.2	15.9	11.4	-1.2	0	1	0	0	4	0	3	0	0	0
VARANASI	38.6	0.0	42.5	29	25.0	+2.6	19.2	09	0.0	10.4	+ 4.6	10.4	09	1	+ 0.5	.	2.5	-6.9	0	1	0	0	1	0	1	0	0	0
UTTAR PRADESH WEST																												
MUKHIM	22.4	-0.5	28.0	20	11.7	-0.2	6.2	03	18.9	74.6	+ 37.5	19.6	30	7	+ 3.4	..	..	..	0	9	0	0	2	0	0	0	0	0
TEHRI	32.2	-0.8	39.5	16	16.0	+0.2	12.4	04	12.4	68.5	+ 48.8	17.0	30	6	+ 3.7	4.7	3.3	..	0	9	0	2	10	0	0	0	0	0
DEHRA DUN	33.1	+1.0	39.1	16	17.9	+0.9	12.8	23	0.0	14.2	- 5.4	6.6	30	2	+ 0.1	6.1	4.6	+0.4	0	5	0	0	6	0	0	0	0	0
MANSIARI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
ROORKEE	37.0	+1.8	41.6	16	18.4	+0.2	13.6	02	7.1	24.8	+ 11.3	13.9	21	2	+ 0.8	10.1	7.2	+1.1	0	3	0	1	5	0	0	0	0	0
NAJIBABAD	36.4	+0.6	40.4	16	19.6	+1.5	14.4	23	0.3	8.6	- 3.0	5.3	30	1	+ 0.1	12.4	8.5	+3.5	0	4	0	1	5	0	0	0	0	0
MEERUT	37.5	+1.4	41.0	12	17.8	-2.4	14.0	25	..	2.0	- 9.7	2.0	21	0	- 0.9	.	8.9	+1.2	0	1	0	0	0	0	0	0	0	0
BAREILLY	37.8	+0.8	41.7	29	22.0	+0.9	18.4	23	9.2	17.8	+ 9.7	9.2	18	3	+ 2.2	11.9	8.9	+2.4	0	3	0	0	4	0	1	0	0	0
ALIGARH	37.5	+0.4	41.9	12	20.3	-0.3	7.2	01	0.0	6.8	- 3.9	6.8	30	1	+ 0.1	14.7	7.7	-0.5	0	1	0	0	2	0	0	0	0	0
MAINPURI	39.6	+1.1	43.8	29	21.0	+0.1	16.2	01	0.0	0.0	- 6.1	0.0	..	0	- 0.7	..	..	..	0	0	0	0	0	0	1	0	0	0
AGRA	38.9	+1.2	43.0	12	22.5	+0.9	18.6	24	0.0	0.0	- 6.6	0.0	..	0	- 0.7	8.8	5.4	+0.3	0	0	0	0	0	0	1	0	0	0
AGRA AERODROME	38.8	..	43.0	28	20.9	..	14.4	18	0.0	2.5	..	2.5	30	1	..	..	..	..	0	1	0	0	3	0	3	0	0	0
ORAI	40.1	+1.2	44.0	29	22.7	+0.9	19.6	24	0.0	1.2	- 0.5	1.2	30	0	- 0.2	10.9	8.3	+0.3	0	1	0	0	0	0	2	0	0	0
JHANSI	40.3	+1.4	43.2	18	24.5	+1.2	18.0	01	0.0	6.0	+ 2.9	6.0	30	1	+ 0.6	5.5	6.0	+0.2	0	1	0	0	0	0	0	0	0	0
MORADABAD	37.0	..	40.7	29	19.3	..	16.1	23	0.0	0.0	..	0.0	..	0	..	7.2	7.7	..	0	0	0	0	5	0	0	0	0	0
UTTAR KASHI	29.3	..	35.7	16	15.1	..	10.9	24	0.0	66.7	..	23.2	30	5	..	..	..	..	0	9	0	0	0	0	0	0	0	0
ASCOT	..	..	..	..	..	..	..	..	11.7	75.5	..	30.5	30	6	..	4.0	3.5	..	0	6	0	1	8	1	2	0	0	0
DHARCHULA	..	..	..	..	..	..	..	..	6.0	69.3	..	23.0	30	5	..	5.8	5.4	..	0	7	0	1	5	0	0	0	0	0
HARYANA (INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	33.7	-0.7	38.1	28	19.3	0.0	14.2	25	2.5	25.4	+ 15.0	12.2	03	3	+ 2.3	..	..	..	0	5	0	0	0	0	0	0	0	0
AMBALA	34.6	-1.6	39.6	16	20.4	+0.7	16.4	25	12.6	15.4	- 0.1	12.6	30	2	+ 0.5	3.3	2.3	-4.9	1	2	0	0	1	0	0	0	0	0
AMBALA AERODROME	35.6	..	40.3	16	19.5	..	15.0	25	8.2	9.5	..	6.7	30	2	..	..	..	..	0	2	0	1	7	0	1	0	0	0
KARNAL	35.5	-0.2	39.4	16	19.7	+0.4	12.7	08	0.0	0.0	- 7.9	0.0	..	0	- 0.5	11.0	8.5	..	0	0	0	0	0	0	0	0	0	0
HISSAR	36.9	-0.1	41.4	28	20.0	+1.0	12.4	21	0.0	5.5	- 2.1	2.5	20	1	+ 0.1	9.5	8.5	+1.1	0	3	0	0	6	0	2	0	0	0
NEW DELHI/SAFDARJUNG	36.8	+0.6	40.4	28	22.0	+1.0	18.6	23	0.0	1.0	- 8.7	1.0	29	0	- 0.9	18.5	13.4	+2.5	0	1	0	0	4	0	0	0	2	0
PALAM AERODROME	37.1	..	41.2	28	20.1	..	15.0	01	0.0	0.6	..	0.4	29	0	..	..	..	..	1	1	0	0	5	0	0	0	1	0
GURGAON	37.7	..	41.5	16	20.2	..	14.1	24	0.0	1.9	..	1.9	29	0	..	..	..	..	0	1	0	0	0	0	0	0	0	0
NARNAUL	38.3	..	41.5	16	19.9	..	13.9	22	13.2	31.6	..	18.4	29	2	..	10.6	7.9	..	0	2	0	0	0	0	0	0	0	0
ROHTAK	36.9	..	40.8	12	19.2	..	14.8	24	2.4	11.1	..	6.7	30	2	..	16.3	11.6	..	0	2	0	2	0	0	0	0	0	0
PUNJAB																												
PATHANKOT	32.3	-1.2	36.7	12	17.0	-0.9	11.5	22	21.6	32.1	+ 13.1	17.2	17	3	+ 1.2	..	..	..	0	7	0	1	8	0	2	0	1	0
AMRITSAR	32.3	-1.9	37.6	27	16.6	+0.4	12.4	22	20.4	36.3	+ 28.6	12.6	17	4	+ 3.0	..	..	..	0	7	0	2	6	0	6	0	3	0
ADAMPUR AERODROME	34.1	..	38.4	28	15.9	..	10.2	23	30.1	36.6	..	24.0	30	3	..	..	..	..	0	4	0	0	9	0	4	0	0	0
LUDHIANA	35.5	-0.5	40.2	28	19.2	+0.7	14.4	23	11.8	14.6	- 1.1	11.8	30	1	- 0.3	8.6	6.2	+2.2	0	3	0	0	1	0	0	0	0	0
FEROZEPUR	33.0	-1.8	38.4	27	17.5	+0.1	11.8	30	1.6	6.1	+ 2.1	3.5	20	1	+ 0.6	..	..	..	0	3	0	0	0	0	0	0	0	0
HALWARA AERODROME	34.8	..	39.1	28	16.6	..	11.0	23	0.0	6.0	..	2.7	20	1	..	..	..	..	0	3	0	0	9	0	1	0	2	0
PATIALA	34.4	-1.6	38.4	28	19.6	+0.4	15.8	02	2.3	3.5	- 8.4	2.3	30	0	- 1.1	11.7	8.7	-0.9	1	2	0	0	3	0	1	0	0	0
BHATINDA	35.7	+0.5	40.0	28	20.1	+1.9	13.2	30	0.0	50.0	+ 40.0	50.0	20	1	- 0.5	7.4	5.7	0.0	0	1	0	0	0	0	3	0	0	0
HIMACHAL PRADESH																												
MANDI	29.4	-1.0	34.3	16	14.1	+0.9	11.1	12	13.4	63.7	+ 26.2	19.3	21	5	+ 1.0	..	..	..	1	6	0	0	1	0	0	0	0	0
BILASPUR	32.0	-0.7	36.8	16	18.0	+2.9	13.5	23	35.1	50.4	+ 31.2	21.0	30	4	+ 2.3	7.3	8.1	+2.7	0	4	0	0	5	0	1	0	0	0
JAMMU AND KASHMIR																												
MISGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GILGIT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SKARDU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DRAS	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SONAMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
LEH	12.9	+0.5	20.4	16	2.2	+1.0	- 5.3	06	9.1	25.6	+ 19.5	10.6	17	4	+ 3.2	..	..	..	0	4	3	0	0	0	0	0	0	0
SRINAGAR	18.0	-1.3	26.0	09	7.3	-0.1	0.3	30	105.8	197.4	+107.2	56.3	29	11	+ 3.2	7.2	6.1	+0.8	0	13	1	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — APRIL 1969 CHAITRA 11 - VAISAKHA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD)																												
SRINAGAR AERODROME	16.9	..	24.4	09	6.2	..	0.0	09	90.0	172.0	..	58.2	29	8	..	..	..	..	0	11	3	0	6	1	0	0	0	0
GULMARG	*		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
QAZIGUND	15.7	..	24.0	09	6.4	..	- 0.6	30	116.6	258.1	..	71.6	21	8	..	..	..	..	0	11	3	1	12	0	0	0	0	0
BANIHAL	19.9	..	25.4	07	8.9	..	2.9	30	84.7	197.8	..	51.0	17	9	..	..	..	..	0	10	0	0	9	0	0	0	0	0
JAMMU	32.6	-0.5	37.4	10	19.3	-1.2	14.0	21	40.4	48.5	+ 16.2	28.3	30	4	+ 1.5	6.5	6.5	..	0	6	0	0	0	0	0	0	0	0
JAMMU AERODROME	31.8	..	35.6	11	18.4	..	12.6	30	47.0	61.1	..	30.0	30	4	..	..	..	..	0	7	0	1	6	0	2	0	0	0
GULMARG (RESEARCH INSTITUTE)	9.5	..	17.4	09	0.7	..	- 4.1	22	194.4	305.6	..	59.9	30	13	..	..	..	..	0	15	7	0	3	4	0	0	0	0
RAJASTHAN, WEST																												
GANGANAGAR	35.8	-0.5	41.2	11	19.6	+1.4	14.3	21	1.4	8.6	+ 4.9	7.2	20	1	+ 0.6	5.6	4.6	-2.2	0	2	0	0	2	0	0	0	0	0
ANUPGARH	37.1	..	41.3	11	19.8	..	15.3	21	2.2	10.5	..	8.3	20	1	..	11.1	8.7	..	0	2	0	0	0	0	0	0	0	0
CHURU	37.8	+0.9	41.8	11	18.9	-0.7	13.6	23	0.0	3.4	+ 0.7	2.4	29	0	- 0.3	13.8	9.6	+0.8	0	2	0	1	[illegible]	0	2	0	0	0
BIKANER	38.1	+0.5	42.2	28	22.2	+1.4	16.1	24	0.0	7.6	+ 1.8	7.6	12	1	+ 0.4	12.1	9.7	+2.4	0	1	0	0	3	0	4	0	0	0
NAGAUR	38.9	+2.1	42.4	11	21.5	+0.5	15.4	01	0.0	1.0	- 0.4	1.0	29	0	- 0.2	12.8	8.6	+0.2	0	1	0	0	1	0	6	0	0	0
PHALODI	39.2	+1.6	42.5	10	21.4	-0.4	16.5	01	0.0	0.0	- 3.6	0.0	..	0	- 0.3	18.3	13.4	-0.7	0	0	0	0	0	0	0	0	0	0
JAISALMER	39.0	+1.2	42.9	10	20.3	-1.1	15.3	23	0.0	0.0	- 1.2	0.0	..	0	- 0.1	..	..	..	0	0	0	0	0	0	0	0	0	0
JODHPUR	40.0	+1.7	43.7	10	23.3	+0.9	14.4	01	0.0	0.0	- 3.3	0.0	..	0	- 0.5	..	..	..	0	0	0	0	0	0	0	0	0	0
BARMER	40.8	+1.9	47.4	14	..	..	..	..	0.0	0.0	- 3.3	0.0	..	0	- 0.3	9.6	8.8	-1.8	0	0	0	0	0	0	0	0	0	0
ERINPURA (JAWAI DAM)	39.1	+1.6	41.6	10	22.1	-1.6	15.3	24	0.0	0.0	- 2.3	0.0	..	0	- 0.1	4.1	5.8	-1.7	0	0	0	0	0	0	0	0	0	0
JALORE	39.8	..	42.9	10	..	..	..	..	0.0	0.0	..	0.0	..	0	..	10.4	9.3	..	0	0	0	0	0	0	2	0	0	0
RAJASTHAN, EAST																												
PILANI	36.9	+0.1	40.8	11	19.6	+0.2	15.7	23	0.0	11.8	+ 8.8	6.6	29	2	+ 1.6	15.0	10.5	-0.6	0	3	0	1	2	0	3	0	0	0
SIKAR	37.0	+0.6	40.2	28	18.1	-0.9	13.0	23	0.0	0.0	- 2.8	0.0	..	0	- 0.4	2.0	1.6	-6.4	0	0	0	0	0	0	0	0	0	0
ALWAR	37.8	+0.3	41.7	12	22.1	-1.3	18.2	24	1.0	33.5	+ 32.1	25.1	30	2	+ 1.8	8.2	6.1	+0.9	0	2	0	0	1	0	2	0	0	0
JAIPUR (SANGANER)	37.6	+1.1	40.6	16	21.9	+0.9	17.6	02	0.0	0.5	- 4.6	0.5	30	0	- 0.5	..	..	..	0	1	0	0	2	0	3	0	0	0
DHOLPUR	40.2	+1.5	44.6	29	21.1	-0.4	15.7	24	12.4	12.9	+ 9.9	12.9	30	1	+ 0.3	9.3	5.6	-0.8	0	1	0	0	2	0	0	0	0	0
AJMER	37.6	+1.7	40.3	11	22.6	+0.7	17.8	24	0.0	0.0	- 3.3	0.0	..	0	- 0.4	12.6	9.3	+0.9	0	0	0	0	0	0	0	0	0	0
TONK	39.7	+1.7	42.5	11	22.3	+1.5	15.2	01	0.0	0.0	- 2.3	0.0	..	0	- 0.6	12.0	8.1	+0.3	0	0	0	0	0	0	0	0	0	0
BHILWARA	38.6	..	42.0	30	21.7	..	16.5	01	0.0	0.0	..	0.0	..	0	..	10.8	6.4	..	0	0	0	0	0	0	0	0	0	0
KOTA	39.4	+0.4	42.2	28	23.1	-1.3	19.8	26	0.0	0.0	- 4.6	0.0	..	0	- 0.4	6.2	4.4	-0.8	0	0	0	0	0	0	0	0	0	0
KOTA AERODROME	39.6	..	42.6	29	24.8	..	20.6	01	0.0	0.0	..	0.0	..	0	..	13.4	10.6	..	0	0	0	0	0	0	0	0	0	0
CHAMBAL (RAWAT BHATTA DAM)	38.9	+0.3	41.1	16	23.2	+1.7	18.6	01	0.0	0.0	- 1.1	0.0	..	0	- 0.2	10.6	6.8	-1.1	0	0	0	0	0	0	0	0	0	0
UDAIPUR	37.4	+1.4	39.5	28	20.4	+0.2	15.7	02	0.0	0.0	- 2.8	0.0	..	0	- 0.2	5.9	3.4	-1.2	0	0	0	0	0	0	0	0	0	0
JHALAWAR	39.9	+1.3	43.3	28	21.6	-0.4	16.5	01	0.0	0.0	- 5.8	0.0	..	0	- 0.6	10.9	7.5	+1.5	0	0	0	0	0	0	0	0	0	0
BANSWARA	..	..	..	..	25.4	..	21.6	02	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
DUNGARPUR	39.8	..	41.6	28	21.5	..	16.9	03	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
BUNDI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SAWAI MADHOPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MADHYA PRADESH, WEST																												
GWALIOR	39.6	+1.1	43.5	29	22.2	-0.1	16.5	01	0.7	3.0	- 2.4	2.0	30	0	- 0.6	12.3	7.9	+1.5	0	2	0	0	3	0	0	0	0	0
SHEOPUR	39.5	+0.7	42.6	16	22.1	+0.8	17.5	02	0.0	0.4	- 1.2	0.4	30	0	- 0.2	12.2	8.4	+1.2	0	1	0	0	1	0	0	0	0	0
SHIVPURI	38.0	..	42.8	16	18.3	..	13.8	01	0.0	0.0	..	0.0	..	0	..	11.8	7.1	..	0	0	0	0	0	0	0	0	0	0
NOWGONG	40.0	+1.2	43.4	29	21.3	+0.8	15.6	01	0.0	0.0	- 4.8	0.0	..	0	- 0.5	9.4	5.5	+0.8	0	0	0	0	0	0	0	0	0	0
GUNA	39.5	+1.5	42.0	28	20.9	+0.6	15.1	01	0.0	0.0	- 4.6	0.0	..	0	- 0.3	14.5	9.2	+1.8	0	0	0	0	0	0	0	0	0	0
NIMACH	38.1	+0.9	40.8	28	23.2	+1.2	19.2	03	0.0	0.0	- 2.5	0.0	..	0	- 0.3	12.9	9.5	+0.2	0	0	0	0	0	0	0	0	0	0
RAJGARH	40.2	+0.8	43.1	28	23.1	+1.1	17.6	01	0.0	0.0	- 1.5	0.0	..	0	0.0	12.0	9.0	-0.1	0	0	0	0	0	0	0	0	0	0
SAGAR	39.2	+1.9	40.7	30	..	..	..	..	0.0	0.0	- 6.1	0.0	..	0	- 0.6	9.3	11.0	+2.0	0	0	0	0	0	0	0	0	0	0
RATLAM	39.4	+1.7	42.1	28	22.8	+0.2	18.9	02	0.0	0.0	- 1.6	0.0	..	0	- 0.2	12.5	9.9	+1.6	0	0	0	0	0	0	0	0	0	0
BHOPAL (BAIRAGARH)	39.3	+1.5	41.2	16	21.6	+0.4	16.0	03	0.0	0.0	- 3.6	0.0	..	0	- 0.5	15.6	11.9	+3.3	0	0	0	0	0	0	0	0	0	0
UJJAIN	38.7	..	40.9	28	19.6	..	13.8	03	0.0	0.0	..	0.0	..	0	..	14.8	8.7	..	0	0	0	0	0	0	0	0	0	0
NARSINGHPUR	41.1	..	43.0	16	20.7	..	13.4	04	0.0	0.0	..	0.0	..	0	..	7.9	4.6	..	0	0	0	0	0	0	0	0	0	0
HOSHANGABAD	41.0	+1.7	42.5	16	23.7	+0.2	18.8	04	0.0	0.0	- 3.3	0.0	..	0	- 0.3	5.5	6.2	+1.0	0	0	0	0	0	0	0	0	0	0
INDORE	39.0	+1.3	41.4	28	21.3	+0.9	18.6	02	0.0	0.0	- 3.3	0.0	..	0	- 0.3	18.6	15.2	-0.3	0	0	0	0	0	0	0	0	0	0
RAJPUR (JHABUA)	39.7	+1.0	42.2	27	22.8	+0.2	18.9	02	0.0	0.0	- 4.5	0.0	..	0	- 0.4	8.4	4.5	-3.6	0	0	0	0	0	0	0	0	0	0
CHHINDWARA	38.5	+2.1	40.1	17	22.1	+0.2	17.2	01	0.4	0.4	- 10.6	0.4	27	0	- 1.2	..	..	..	0	1	0	0	0	0	0	0	0	0
SEONI	39.6	+2.3	41.6	18	23.1	+1.4	16.6	04	0.0	0.0	- 16.5	0.0	..	0	- 1.7	9.7	6.2	-0.3	0	0	0	0	3	0	0	0	0	0
BETUL	39.2	+2.2	40.3	17	21.4	+0.3	17.4	02	0.0	0.0	- 8.8	0.0	..	0	- 0.9	8.3	4.9	-0.8	0	0	0	0	0	0	0	0	0	0
KHANDWA	42.3	+2.1	43.1	26	23.8	-0.1	19.6	04	0.0	0.0	- 2.0	0.0	..	0	- 0.3	13.3	9.5	-0.1	0	0	0	0	0	0	0	0	0	0
TIKAMGARH	39.2	..	42.4	16	19.7	..	14.0	01	0.3	0.0	..	0.0	..	0	..	8.0	6.1	..	0	0	0	0	3	0	8	0	0	0
MADHYA PRADESH, EAST																												
SATNA	40.4	+2.0	43.7	18	23.0	+1.3	18.1	01	0.0	0.0	- 10.4	0.0	..	0	- 0.8	8.7	6.3	+0.1	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — APRIL 1969 CHAITRA 11 - VAISAKHA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with										
																			Precipitation										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST (CONTD.)																													
REWA	40.0	..	43.0	29	22.4	..	16.8	02	0.0	0.0	..	0.0	..	0	..	7.9	4.2	..	0	0	0	0	1	0	0	0	0	0
SIDHI	40.5	+1.8	46.0	06	22.4	+1.5	16.8	01	0.0	0.0	- 1.9	0.0	..	0	- 0.2	..	..	..	0	0	0	0	0	0	0	0	0	0
DWARIA	40.0	+2.1	42.7	21	22.5	+1.4	17.2	02	0.0	6.6	- 4.5	6.6	30	1	+ 0.1	10.7	6.2	+0.9	0	1	0	0	2	0	0	0	0	0
JABALPUR	40.6	+2.1	42.5	16	22.8	+2.3	17.5	01	0.0	0.0	- 9.9	0.0	..	0	- 0.9	9.8	5.8	+0.3	0	0	0	0	3	0	0	0	0	0
AMBIKAPUR	38.2	+1.6	41.1	18	21.6	+1.3	16.3	01	0.0	19.0	+ 10.5	18.4	30	1	0.0	12.9	9.3	+0.5	0	2	0	0	4	0	4	0	0	0
JASHPURNAGAR	35.8	..	39.0	17	20.1	..	15.3	02	21.0	59.0	..	18.4	30	5	..	10.6	6.1	..	0	5	0	0	0	0	0	0	0	0
PENDRA	37.9	+1.9	40.3	17	23.5	+1.2	19.2	09	10.2	10.6	- 11.0	6.9	09	2	+ 0.1	11.8	7.7	+0.2	1	3	0	2	12	0	0	0	0	0
MANDLA	40.0	+2.1	42.2	17	20.5	+1.4	14.6	01	0.8	1.6	- 12.3	0.8	30	0	- 1.8	8.9	4.8	+1.0	0	3	0	0	4	0	0	0	0	0
CHAMPA	41.4	+1.5	44.4	17	25.2	+0.3	20.1	01	0.0	3.8	- 6.0	3.8	30	1	- 0.4	9.3	6.8	+1.1	0	1	0	0	4	0	0	0	0	0
RAIGARH	41.8	+1.5	45.0	18	25.4	0.0	20.2	30	26.2	52.6	+ 45.1	26.2	29	4	+ 3.3	8.8	6.3	+1.0	0	5	0	0	5	0	0	0	0	0
RAIPUR	41.0	+1.8	43.8	17	25.7	+0.6	18.3	07	9.7	33.0	+ 17.5	10.4	26	5	+ 3.3	10.4	8.2	-0.2	0	5	0	0	7	0	0	0	0	0
KANKER	39.8	+2.0	42.2	17	26.1	+2.3	20.3	01	0.0	33.0	+ 8.4	13.0	21	4	+ 1.8	8.1	6.9	+0.2	0	4	0	0	7	0	0	0	0	0
JAGDALPUR	38.4	+1.5	40.9	16	24.2	+2.0	19.5	10	17.6	31.7	- 17.8	19.8	10	3	- 0.8	..	..	..	1	6	0	0	10	0	0	0	0	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																													
DEESA	40.4	+1.2	42.1	08	22.2	+0.6	17.6	24	0.0	0.0	- 0.8	0.0	..	0	- 0.1	8.6	7.8	..	0	0	0	0	0	0	0	0	0	0
RADHANPUR	40.6	+1.9	42.9	10	22.4	+1.0	17.1	02	0.0	0.0	- 0.3	0.0	..	0	0.0	10.0	6.8	-0.2	0	0	0	0	0	0	0	0	0	0
DUAR	40.3	+1.6	42.9	28	26.5	+2.8	20.6	05	0.0	0.0	- 4.2	0.0	..	0	- 0.1	9.2	7.1	-1.4	0	0	0	0	0	0	0	0	0	0
AHMADABAD	41.3	+1.6	43.2	09	24.2	+1.2	19.4	03	0.0	0.0	- 1.8	0.0	..	0	- 0.2	8.8	6.3	-1.5	0	0	0	0	0	0	0	0	0	0
DOHAD	39.8	+1.4	42.0	28	24.3	+0.3	19.9	02	0.0	0.0	- 1.5	0.0	..	0	- 0.1	16.6	16.0	-1.2	0	0	0	0	0	0	0	0	0	0
VALLABH VIDYANAGAR	40.8	..	44.5	28	22.2	..	16.0	03	0.0	0.0	..	0.0	..	0	..	8.6	6.1	..	0	0	0	0	0	2	0	0	0	0
BARODA AERODROME	40.6	+0.9	43.6	27	23.2	+0.3	19.1	03	0.0	0.0	- 0.1	0.0	..	0	0.0	12.9	11.1	+3.8	0	0	0	0	0	0	0	0	0	0
BARODA	41.7	+1.8	45.0	27	23.8	+2.1	20.2	05	0.0	0.0	- 4.4	0.0	..	0	- 0.1	7.0	5.5	+0.4	0	0	0	0	0	0	0	0	0	0
BROACH	40.6	+0.6	44.5	27	24.1	+0.4	20.8	02	0.0	0.0	- 1.8	0.0	..	0	- 0.1	14.0	13.4	+5.3	0	0	0	0	0	0	0	0	0	0
SURAT	38.8	+1.5	43.6	01	24.3	+0.6	21.7	03	0.0	0.0	- 3.8	0.0	..	0	- 0.1	10.9	8.0	+0.4	0	0	0	0	0	0	0	0	0	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																													
VALIYA	34.4	+0.1	38.8	24	20.3	-0.1	16.1	03	0.0	0.0	0.0	0.0	..	0	0.0	19.1	13.0	+0.9	0	0	0	0	0	5	0	0	0	0
BHUJ (RUDRAMATA)	39.4	+1.8	42.0	15	22.9	+0.2	19.1	01	0.0	0.0	- 0.8	0.0	..	0	- 0.1	15.1	12.5	+1.3	0	0	0	0	0	0	0	0	0	0
KANDLA AERODROME	39.7	..	42.1	12	22.6	..	18.5	04	0.0	0.0	..	0.0	..	0	..	21.4	20.3	..	0	0	0	0	0	0	0	0	0	0
NEW KANDLA	35.8	+1.2	39.7	26	23.5	+0.2	21.7	01	0.0	0.0	0.0	0.0	..	0	0.0	16.9	15.6	-2.6	0	0	0	0	0	0	0	0	0	0
MANDVI	32.0	-0.3	37.8	15	21.5	-0.8	18.2	01	0.0	0.0	0.0	0.0	..	0	0.0	27.9	23.1	-0.7	0	0	0	0	0	0	0	0	0	0
SURENDRANAGAR	40.9	+1.2	42.9	27	24.6	+1.1	21.4	05	0.0	0.0	- 3.8	0.0	..	0	- 0.3	13.2[b]	13.1[c]	-1.5	0	0	0	0	0	0	0	0	0	0
OKHA	30.1	..	31.4	21	24.3	..	22.3	05	0.0	0.0	..	0.0	..	0	..	21.5	20.6	..	0	0	0	0	0	0	0	0	0	0
JAMNAGAR AERODROME	36.6	+1.1	39.5	03	21.4	0.0	17.5	01	0.0	0.0	- 0.5	0.0	..	0	0.0	..	..	..	0	0	0	0	0	2	0	0	0	0
DWARKA	30.0	+0.3	31.0	23	25.2	+0.5	23.2	01	0.0	0.0	- 0.5	0.0	..	0	0.0	16.8	16.0	-0.7	0	0	0	0	0	0	0	0	0	0
RAJKOT	39.9	+1.1	42.3	07	21.7	+0.4	17.2	02	0.0	0.0	- 1.0	8.0	..	0	- 0.1	22.8	21.1	+1.4	0	0	0	0	0	0	0	0	0	0
BHAVNAGAR AERODROME	39.4	+1.8	42.3	27	23.9	0.0	18.6	04	0.0	0.0	0.0	0.0	..	0	0.0	22.1	18.8	+7.5	0	0	0	0	0	0	0	0	1	0
PORBANDER AERODROME	34.1	+1.8	38.8	24	22.3	-1.0	18.7	04	0.0	0.0	- 0.4	0.0	..	0	0.0	19.8	13.6	..	0	0	0	0	0	9	0	0	0	0
KESHOD	39.1	+1.2	42.1	08	21.0	-0.1	17.2	02	0.0	0.0	- 0.1	0.0	..	0	0.0	23.6	17.4	+0.2	0	0	0	0	0	9	0	0	0	0
MAHUVA	36.7	..	42.8	27	16.4	..	13.4	03	0.0	0.0	0.0	0.0	..	0	0.0	14.0	10.1	..	0	0	0	0	0	0	0	0	0	0
VERAVAL	32.7	+1.2	38.5	07	21.5	-0.5	18.9	04	0.0	0.0	- 2.8	0.0	..	0	0.0	22.0	18.2	+1.6	0	0	0	0	0	6	0	0	0	0
DIU	32.6	..	39.0	16	23.0	..	20.2	03	0.0	0.0	..	0.0	..	0	..	18.7	15.6	..	0	0	0	0	0	0	0	0	0	0
KONKAN (INCLUDING GOA)																													
DAHANU	..	..	..	..	24.1	+0.2	22.2	02	0.0	0.0	- 7.2	0.0	..	0	- 0.3	18.7[b]	12.6	-2.3	0	0	0	0	0	0	0	0	0	0
BOMBAY (SANTACRUZ)	34.1	+0.8	37.9	01	24.0	+0.2	21.1	05	0.0	0.0	- 0.3	0.0	..	0	0.0	16.7	10.1	-1.5	0	0	0	0	0	1	0	0	0	0
BOMBAY	32.8	+0.5	34.3	29	25.5	+0.4	23.7	04	0.2	0.2	- 1.3	0.2	05	0	- 0.1	12.9	9.2	-1.3	1	0	0	0	0	0	0	0	0	0
ALIBAG	31.8	+0.7	33.8	10	24.3	+0.1	22.6	05	..	0.0	- 2.5	0.0	..	0	- 0.3	.	11.6	+1.1	0	0	0	0	0	0	0	0	0	0
RATNAGIRI	40.6	..	43.6	15	21.1	..	17.8	23	0.0	0.0	..	0.0	..	0	..	5.2	2.8	..	0	0	0	0	0	0	0	0	0	0
HARNAI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
RATNAGIRI	33.0	+0.9	34.3	10	26.3	+0.7	24.4	04	0.0	0.0	- 3.6	0.0	..	0	- 0.3	12.6	10.4	..	0	0	0	0	1	0	0	0	0	0
DEVGARH	32.7	+0.9	33.5	17	26.6	+0.4	25.2	20	0.0	0.0	- 7.6	0.0	..	0	- 0.8	17.9	14.3	-2.1	0	0	0	0	0	0	0	0	0	0
VENGURLA	33.0	+0.4	34.4	09	25.5	+0.8	22.0	09	0.6	15.6	+ 6.9	12.2	09	2	+ 1.2	13.4	8.2	..	0	3	0	0	6	0	0	0	0	0
PANJIM	33.4	..	34.5	07	26.3	..	23.7	08	0.0	9.0	..	8.4	08	1	..	17.7	12.8	..	0	2	0	0	3	0	0	0	0	0
MORMUGAO	32.2	+1.3	33.1	16	27.0	+0.9	25.5	11	0.1	1.5	- 16.2	0.7	08	0	- 0.9	14.2	13.1	-0.3	1	2	0	0	1	0	0	0	0	0
DABOLIM (NAVAL AIR STN.)	..	..	..	..	..	..	..	..	0.0	3.3	..	1.2	01	0	..	12.9	9.7	..	1	3	0	0	6	0	0	0	0	0
MADHYA MAHARASHTRA																													
NANDURBAR	41.4	+1.2	44.0	27	25.5	+0.2	22.6	03	0.0	0.0	- 6.1	0.0	..	0	- 0.3	5.8	5.5	-3.6	0	0	0	0	0	0	0	0	0	0
JALGAON	43.1	+2.0	45.2	16	25.5	+1.4	20.3	01	0.0	0.0	- 2.1	0.0	..	0	- 0.2	17.2	15.2	+2.0	0	0	0	0	0	0	0	0	0	0
MALEGAON	41.0	+1.6	43.0	27	21.1	-0.7	18.2	03	0.0	0.0	- 3.3	0.0	..	0	- 0.4	11.9[b]	9.4	+0.5	0	0	0	0	0	0	0	0	0	0
DHULIA	39.1	..	41.0	27	20.1	..	17.7	18	0.0	0.0	..	0.0	..	0	..	15.3	13.1	..	0	0	0	0	0	0	1	0	0	0
AHMADNAGAR	40.8	+2.8	42.5	27	22.3	+0.5	19.6	03	0.0	0.0	- 10.7	0.0	..	0	- 1.0	10.8	7.8	-0.5	0	0	0	0	1	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — APRIL 1969 CHAITRA 11 - VAISAKHA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD)																												
KHANDALA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
POONA AERODROME	39.2	..	40.8	15	21.2	..	18.2	23	0.4	0.7	..	0.4	13	0	..	..	..	..	0	2	0	0	2	0	0	0	0	0
POONA	39.4	+2.5	41.0	02	21.2	+1.5	18.0	23	1.6	5.5	- 8.7	3.9	12	1	- 0.3	9.2	6.5	..	0	2	0	0	2	0	0	0	0	0
SATARA	40.2	+1.3	43.3	13	23.6	+0.8	20.5	24	0.0	21.6	+ 6.1	13.8	10	2	+ 0.5	11.0	9.9	+0.3	0	2	0	0	0	0	0	0	0	0
BARAMATI	40.5	+1.7	42.0	16	23.1	+0.8	20.7	04	0.0	0.2	- 7.0	0.2	12	0	- 0.6	11.4	10.7	+0.3	1	0	0	0	0	0	0	0	0	0
SHOLAPUR	41.0	+1.7	42.9	26	25.5	+1.0	21.6	10	0.0	11.3	- 1.9	7.5	10	2	+ 0.8	10.2	8.8	-0.9	0	2	0	0	3	0	2	0	0	0
PIRAJ	38.7	+0.8	40.6	26	22.3	+0.7	18.5	10	1.2	63.4	+ 31.4	55.6	10	2	- 0.3	..	..	..	0	2	0	0	2	0	0	0	0	0
KOLHAPUR	38.0	+0.9	41.0	16	22.1	+0.6	18.6	10	3.7	23.7	- 9.6	10.4	03	3	+ 0.2	9.9	9.5	-2.4	0	6	0	0	7	0	0	0	0	0
NASIK	39.4	..	41.8	24	..	..	..	..	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
SANGLI	38.5	..	40.4	26	22.0	..	18.8	10	0.0	55.4	..	41.6	10	2	..	9.3	10.4	..	0	4	0	0	1	0	0	0	0	0
SATARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
MARATHWADA																												
AURANGABAD	40.1	+1.8	41.8	27	23.8	0.0	21.4	29	0.0	0.0	- 5.8	0.0	..	0	- 0.6	11.4	10.2	-2.5	0	0	0	0	0	0	0	0	0	0
AURANGABAD (CHIKALTHAN)	39.8	+1.5	41.6	27	19.2	-3.0	15.4	07	0.0	0.0	- 5.1	0.0	..	0	- 0.6	15.0	11.9	0.0	0	0	0	0	0	0	0	0	0	0
PARBHANI	41.8	+2.1	43.5	17	24.7	+0.5	20.5	19	0.0	0.0	- 9.7	0.0	..	0	- 1.2	10.1	8.1	-0.8	0	0	0	0	1	0	0	0	0	0
NANDER	42.2	..	44.3	26	24.2	..	20.6	24	0.0	0.0	..	0.0	..	0	..	6.3	5.5	..	0	0	0	0	0	0	0	0	0	0
BIR	41.2	..	42.9	17	23.6	..	20.5	04	0.0	1.2	..	1.2	06	0	..	10.5	6.6	..	0	1	0	0	0	0	0	0	0	0
VIDARBHA																												
GONDIA	41.4	+2.4	44.0	17	25.6	+1.0	21.5	01	4.0	7.9	- 4.6	7.8	26	1	- 0.4	4.7	3.7	-1.0	1	1	0	1	4	0	0	0	0	0
NAGPUR (SONEGAON)	41.9	+2.2	43.7	16	24.8	+0.9	21.4	03	0.0	3.2	- 13.1	2.0	30	0	- 1.5	12.5	10.6	+0.8	0	3	0	0	7	0	0	0	2	0
AMRAOTI	41.9	+2.2	43.7	17	26.3	+1.1	23.4	02	0.0	0.0	- 8.4	0.0	..	0	- 0.7	13.8	10.7	+0.9	0	0	0	0	0	0	0	0	0	0
AKOLA AERODROME	42.4	..	43.9	15	24.4	..	20.8	01	0.0	0.0	..	0.0	..	0	..	12.3	10.0	..	0	0	0	0	1	0	0	0	0	0
AKOLA	42.1	+1.6	43.4	27	25.7	+1.1	21.5	01	0.0	0.0	- 4.1	0.0	..	0	- 0.4	10.4	7.5	-0.7	0	0	0	0	0	0	0	0	0	0
BRAMHAPURI	41.8	+2.3	44.4	17	25.8	+1.8	20.4	02	0.0	8.7	- 9.7	8.7	27	1	- 0.9	10.5	7.7	+1.2	0	1	0	0	0	0	0	0	0	0
BULDANA	38.9	+1.9	41.1	27	25.9	+1.0	22.7	01	0.0	3.0	- 8.9	0.0	..	0	- 0.9	10.2	10.5	-0.2	0	0	0	0	0	0	0	0	0	0
YEOTMAL	41.7	+2.4	43.9	17	26.1	+1.0	22.7	05	0.0	4.4	- 11.8	3.8	06	1	- 0.4	13.7	12.0	+0.5	0	2	0	0	4	0	1	0	0	0
CHANDRAPUR	42.5	+2.5	45.6	17	27.2	+2.5	23.6	24	12.0	15.5	- 4.1	11.0	21	2	+ 0.3	10.0	6.9	+1.7	0	3	0	1	6	0	0	0	0	0
PUSAD	42.5	..	44.4	17	25.4	..	21.5	04	0.0	0.0	..	0.0	..	0	..	9.2	7.0	..	0	0	0	0	0	0	0	0	0	0
SIRONCHA	41.8	+1.9	45.4	17	28.4	+1.7	24.5	03	0.0	0.0	- 16.8	0.0	..	0	- 1.3	8.4	6.3	-0.1	0	0	0	0	0	0	0	0	0	0
WARDHA	42.4	..	44.4	17	25.9	..	23.6	02	0.0	8.0	..	8.0	27	1	..	9.8	7.9	..	0	1	0	0	1	0	0	0	0	0
BHANDARA	41.3	..	43.6	17	25.3	..	22.[illegible]	03	13.0	63.4	..	42.0	27	4	..	8.7	6.5	..	0	5	0	0	0	0	0	0	0	0
COASTAL ANDHRA PRADESH																												
KALINGAPATAM	33.6	+0.5	34.8	28	24.9	-0.8	21.4	05	0.0	0.3	- 20.3	0.3	23	0	- 1.5	21.6	15.9	+0.8	0	1	0	0	1	1	0	0	0	0
VISHAKHAPATNAM	36.2	+3.4	38.3	29	26.9	+1.0	23.7	05	0.0	0.0	- 18.5	0.0	..	0	- 1.3	26.2	17.6	+2.9	0	0	0	0	5	0	0	0	0	0
KAKINADA	36.8	+1.5	39.5	30	26.4	+0.6	26.5	06	0.0	0.0	- 20.3	0.0	..	0	- 1.4	1.8	0.6	-8.5	0	0	0	0	0	0	0	0	0	0
BHIMAVOLE	36.7	+0.8	37.9	17	25.9	+0.7	23.6	04	0.0	0.0	- 4.4	0.0	..	0	- 0.6	8.4	5.0	-1.2	0	0	0	0	0	0	0	0	0	0
KANTACHINTALA	40.7	+1.1	43.6	18	27.4	+1.3	23.6	05	0.0	0.0	- 23.1	0.0	..	0	- 1.8	7.6	8.4	-0.4	0	0	0	0	0	0	0	0	0	0
GANNAVARAM	37.9	+0.1	40.1	17	25.9	+0.3	22.[illegible]	12	0.0	6.2	- 8.6	6.2	12	1	+ 0.3	17.6	12.1	-0.4	0	1	0	0	2	0	1	0	0	0
MASULIPATAM	34.0	0.0	36.6	17	25.0	-0.9	22.0	04	0.0	0.0	- 18.5	0.0	..	0	- 1.1	4.9	3.0	-8.4	0	0	0	0	0	0	0	0	0	0
ONGOLE	36.7	+2.3	39.1	16	26.6	+0.6	24.5	06	0.0	0.0	- 5.1	0.0	..	0	- 0.6	14.2	11.6	+1.8	0	0	0	0	0	0	0	0	0	0
NELLORE	37.6	+0.5	40.9	18	26.2	+0.5	24.0	02	0.0	0.0	- 9.7	0.0	..	0	- 0.6	..	..	..	0	0	0	0	0	0	0	0	0	0
VISHAKHAPATNAM (SOLAR)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TELANGANA																												
RAMGUNDAM	41.2	+0.9	45.0	17	27.0	+0.1	23.2	01	1.0	11.3	+ 1.4	6.0	26	2	+ 1.3	9.9	8.9	+1.0	0	3	0	0	2	0	0	0	0	0
HYDERABAD	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
HANAMKONDA	40.5	+2.2	44.5	17	25.1	-0.2	22.8	04	0.0	2.0	- 21.1	1.4	28	0	- 1.6	10.8	11.5	+0.6	0	2	0	0	3	0	0	0	0	0
RAMTEK AERODROME	38.5	..	41.4	16	24.6	..	21.1	05	0.0	13.2	..	8.3	20	2	..	..	..	..	0	3	0	0	6	0	0	0	0	0
BHADRACHALLAM	40.5	+1.2	43.6	17	26.6	+0.9	23.6	05	0.0	1.0	- 21.9	1.0	10	0	- 1.6	8.5	8.9	-0.7	0	1	0	0	2	0	1	0	0	0
HYDERABAD (BEGAMPET)	39.1	+2.2	42.4	17	25.2	+1.5	21.7	05	2.0	29.7	+ 2.3	27.6	21	1	- 0.9	11.6	10.0	-0.9	0	2	0	0	3	0	1	0	5	0
KHAMMAM	40.5	+1.5	43.6	15	26.8	+0.9	24.7	05	0.0	0.0	- 27.3	0.0	..	0	- 1.7	8.9	8.8	+0.1	0	0	0	0	0	0	0	0	0	0
MAHBUBNAGAR	38.8	+1.3	42.6	18	26.5	+2.0	22.7	05	0.0	0.0	- 24.5	0.0	..	0	- 2.1	7.3	6.4	-2.1	0	0	0	0	0	0	0	0	0	0
RAYALASEEMA																												
KURNOOL	41.1	+1.8	43.9	18	27.4	+1.4	24.7	05	3.2	5.0	- 9.2	3.8	21	1	- 0.3	7.2	7.1	-1.6	0	3	0	0	0	0	0	0	0	0
NANDYAL	40.3	..	42.5	14	29.[illegible]	..	25.7	04	0.0	0.0	..	0.0	..	0	..	10.1	8.0	..	0	0	0	0	0	0	0	0	0	0
ANANTAPUR	39.7	+1.3	42.0	19	27.4	+1.7	23.3	06	0.0	0.0	- 15.0	0.0	..	0	- 1.2	8.3	8.9	-1.3	0	0	0	0	2	0	0	0	0	0
CUDDAPAH	41.3	+1.5	43.6	18	28.3	+0.9	25.3	07	0.0	0.6	- 12.3	0.6	16	0	- 1.0	..	..	..	0	1	0	0	0	0	0	0	0	0
NELLORE	36.4	+1.7	38.8	16	22.6	+0.6	19.6	07	2.0	19.0	- 8.1	19.0	16	1	- 0.9	5.9	9.4	+1.3	0	1	0	0	0	0	0	0	0	0
TAMIL NADU (INCLUDING PONDICHERRY)																												
MADRAS	33.6	+0.3	36.3	18	26.4	+0.6	24.2	[illegible]	0.0	0.0	- 22.5	0.0	..	0	- 0.8	12.7	8.7	+0.4	0	0	0	0	0	0	0	0	0	0
MADRAS (MINAMBAKKAM)	35.8	+0.9	38.2	18	26.6	+0.6	24.0	[illegible]	0.0	0.0	- 17.5	0.0	..	0	- 1.0	18.6	13.2	+2.7	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — APRIL ,1969(CHAITRA 11 - VAISAKHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20a	20b	21	22	23	24	25	26	27	28
TAMILNAD(INCLUDING PONDICHERRY)																												
VELLORE	38.4	+1.6	41.6	16	25.5	+0.5	21.5	04	0.0	0.0	-23.4	0.0	..	0	-1.4	7.8	10.4	+2.1	0	0	0	0	0	0	0	0	0	0
TAMBARAM AERODROME	38.8	..	41.0	16	26.4	..	23.3	02	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
TIRUPPATTUR	37.9	+1.4	40.1	30	23.4	+0.3	21.3	05	13.0	13.0	-19.8	7.0	13	2	-1.0	6.4	4.4	+0.1	0	2	0	0	0	0	0	0	0	0
METTUR DAM R.S.	38.8	..	40.9	16	26.7	..	22.8	03	0.0	8.7	..	8.4	16	1	..	9.0	10.3	..	2	1	0	0	0	0	0	0	0	0
CUDDALORE	33.8	+1.0	36.4	16	26.4	+0.7	24.0	01	0.0	0.0	-23.9	0.0	..	0	-1.0	17.3	12.1	+0.4	0	0	0	0	0	0	0	0	0	0
KALLAKKURICHCHI	38.9	+2.0	41.8	16	26.1	+0.7	24.0	03	0.0	0.0	-29.7	0.0	..	0	-2.1	14.3	10.3	..	0	0	0	0	0	0	0	0	0	0
SALEM	38.3	+1.4	40.3	16	26.6	+1.5	23.6	04	12.3	15.1	-37.5	10.0	22	1	-2.7	6.5	6.7	-1.6	0	5	0	0	6	0	0	0	0	0
COIMBATORE(PEELAMEDU)	37.0	+1.7	38.5	18	24.2	+0.8	21.3	20	0.0	11.7	-51.4	5.0	10	2	-2.1	12.4	15.6	+0.9	0	5	0	0	11	0	0	0	0	0
COIMBATORE	37.0	+2.4	38.6	18	24.4	+1.0	21.6	20	..	15.4	-27.8	9.4	20	2	-1.5	..	6.4	-0.6	0	3	0	0	4	0	0	0	0	0
NAGAPATTINAM	32.8	+0.3	36.8	16	27.8	+1.0	25.5	07	0.6	8.7	-24.1	5.7	06	1	-0.5	17.4	15.4	+2.3	0	4	0	0	1	0	0	0	0	0
TIRUCHCHIRAPPALLI	38.0	+1.3	40.9	16	26.0	+0.2	23.5	10	9.2	8.2	-35.5	7.7	10	1	-1.3	9.9	9.1	-0.6	1	2	0	0	5	0	0	0	2	0
VEDARANNIYAM	35.4	..	37.2	30	26.2	..	24.3	02	0.0	0.0	..	0.0	..	0	..	7.6	5.4	..	0	0	0	0	0	0	0	0	0	0
ATIRAMPATTINAM	33.8	..	35.2	06	27.1	..	23.8	03	40.6	40.6	..	30.6	10	2	..	20.1	13.0	..	0	3	0	0	0	0	0	0	0	0
MADURAI	37.0	+0.7	40.0	17	24.2	-1.2	20.1	11	..	95.2	+36.5	62.2	11	4	+0.6	..	6.0	+0.9	0	4	0	0	0	0	0	0	0	0
MADURAI AERODROME	37.1	+1.4	40.0	18	25.0	0.0	20.5	22	36.3	69.7	+11.7	31.7	22	5	+2.2	8.9	7.7	-0.7	0	6	0	0	5	0	0	0	0	0
TONDI	33.1	+1.1	34.7	23	26.7	0.0	23.2	11	0.0	0.0	-32.5	0.0	..	0	-3.0	17.7	16.5	+0.4	0	0	0	0	0	0	0	0	0	0
PAMBAN	33.8	+1.6	34.8	27	24.9	-1.8	21.4	12	10.9	17.9	-26.6	4.5	13	4	+1.1	11.8	9.3	-2.8	1	7	0	0	0	0	0	0	0	0
TUTICORIN	32.7	+0.8	34.9	24	25.3	-1.2	22.7	11	5.8	60.5	-4.9	22.5	05	4	+0.2	16.1	11.9	-1.7	0	5	0	0	1	0	0	0	0	0
PALAYANKOTTAI	36.6	+1.2	39.6	18	26.5	+0.6	23.7	06	22.0	100.4	+33.9	66.0	06	3	-0.7	8.2	6.2	-0.9	0	6	0	0	3	0	0	0	0	0
KANNIYAKUMARI	32.7	..	34.5	17	26.2	..	23.1	06	5.0	110.6	..	45.8	06	3	..	16.6	13.6	..	0	5	0	0	0	0	0	0	0	0
PONDICHERRY	32.4	..	33.2	23	26.6	..	24.4	01	0.0	0.1	..	0.1	10	0	..	22.6	18.6	..	1	0	0	0	0	0	0	0	0	0
PORTONOVO	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TUTICORIN H.P.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
COASTAL MYSORE																												
KARWAR	32.6	+1.0	33.8	30	26.0	+0.7	21.9	09	0.0	30.6	+13.8	25.0	09	2	+1.0	8.4	6.3	..	0	2	0	0	0	0	0	0	0	0
HONAVAR	33.5	+1.1	34.6	09	25.8	+0.6	21.9	09	0.0	21.4	+5.7	19.2	09	1	-0.2	..	..	..	0	2	0	0	2	0	0	0	0	0
MANGALORE(BAJPE)	34.2	+0.5	36.2	08	25.6	+0.7	22.2	09	0.0	22.7	-9.5	19.1	09	1	-1.1	8.6	7.0	-1.2	2	4	0	0	8	0	0	0	0	0
MANGALORE	32.8	+0.4	33.8	09	26.7	+0.6	22.8	16	0.0	48.2	+12.9	38.1	09	2	-0.1	11.9	9.3	+0.4	0	4	0	0	5	0	0	0	0	0
MANGALORE H.P.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
INTERIOR MYSORE NORTH																												
BIDAR	38.4	+1.5	40.5	18	25.7	+1.2	20.6	10	33.0	33.8	+8.4	28.2	10	1	-1.1	17.3	12.1	+0.9	0	5	0	0	7	0	3	0	0	0
GULBARGA	40.5	+1.4	42.6	18	26.7	+1.7	22.4	27	12.8	14.0	-5.1	14.0	27	1	-0.8	11.9	9.2	-2.5	0	1	0	0	1	1	0	0	0	0
BIJAPUR	39.8	+1.8	42.0	26	25.3	+1.5	20.2	10	0.0	2.2	-17.4	2.2	10	0	-1.7	8.2	7.9	+0.5	0	1	0	0	4	0	0	0	0	0
RAICHUR	39.3	+0.6	41.8	18	27.8	+1.6	24.9	04	0.3	1.1	-13.9	1.1	22	0	-1.3	10.8	11.3	+1.0	0	1	0	0	0	0	1	0	0	0
BELGAUM	36.8	+1.1	39.3	26	21.3	+1.8	19.7	24	11.0	21.2	-22.0	7.8	05	3	-0.1	6.5	5.0	-3.5	0	5	0	1	0	0	0	0	0	0
BELGAUM(SAMBRA)	36.2	+1.0	38.6	27	21.0	+0.7	19.6	07	16.2	27.3	-24.6	9.5	07	4	+0.5	10.1	9.3	-4.4	3	7	0	1	12	0	0	0	0	0
GADAG	38.7	+1.4	40.8	21	23.5	+1.0	22.2	10	2.2	2.9	-27.8	2.3	02	0	-2.7	7.7	9.5	-0.6	0	3	0	0	6	0	0	0	0	0
BIDAR A.F.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
INTERIOR MYSORE,SOUTH																												
BELLARY	40.2	+2.1	41.8	26	26.6	+1.1	22.4	12	16.6	21.3	+0.5	13.5	12	3	+1.2	7.9	6.6	-0.3	0	5	0	0	2	0	0	0	0	0
CHITRADURGA	37.0	+0.7	38.3	26	23.8	+1.1	20.8	16	6.9	39.5	+18.4	32.6	16	2	+0.1	7.9	7.1	-0.6	0	2	0	0	3	0	0	0	0	0
SHIMOGA	37.2	+1.5	38.7	20	23.1	+0.9	20.7	10	0.0	28.4	-24.6	15.0	27	4	+0.1	5.7	4.3	-1.0	0	4	0	0	0	0	0	0	0	0
AGUMBE	31.0	..	34.5	08	21.5	..	18.2	09	0.0	37.6	..	22.0	11	3	..	6.9	3.7	..	0	3	0	0	0	0	0	0	0	0
BALEHONNUR	33.2	+2.3	35.7	08	19.4	+0.4	17.2	02	..	89.8	-0.6	22.6	10	10	+3.7	..	..	..	0	12	0	0	0	0	0	0	0	0
HASSAN	34.2	+1.0	37.6	08	18.2	-1.9	16.0	16	61.0	122.4	+69.6	65.8	25	6	+2.0	8.7b	7.0b	-1.2	0	7	0	0	1	3	0	0	0	0
BANGALORE	34.1	+0.7	35.5	14	21.9	+0.7	17.4	19	42.7	121.7	+77.2	51.7	19	3	+0.3	7.9*	7.3	-1.7	0	6	0	0	6	0	0	0	0	0
BANGALORE AERODROME	34.3	+0.3	36.4	14	20.8	-0.5	18.0	19	13.2	62.5	+26.7	29.5	19	3	+0.7	10.2	9.5	..	0	4	0	0	6	0	1	0	1	0
MYSORE	34.2	+0.2	36.0	01	22.5	+1.1	20.1	11	0.0	19.4	-44.1	12.4	11	2	-2.6	9.8	7.9	-0.5	1	4	0	0	1	0	0	0	0	0
YALAHANKA A.F.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
KERALA																												
CALICUT	33.9	+1.0	34.8	06	26.3	+0.5	21.0	11	0.0	167.6	+80.7	94.0	11	6	+2.0	11.9	7.9	-4.7	0	9	0	0	10	0	0	0	0	0
PALGHAT	37.7	+1.7	40.6	04	25.9	+0.6	22.2	11	0.0	65.4	-17.8	24.0	06	3	-1.9	9.5	7.9	-1.4	0	6	0	0	1	0	0	0	0	0
FORT COCHIN	32.6	+1.2	34.3	08	25.8	-0.2	21.9	12	15.0	154.9	+41.4	44.2	27	13	+6.7	15.6	10.6	-0.1	0	14	0	0	12	0	0	0	0	0
COCHIN(NAVAL AIR STATION)	33.6	..	35.1	07	26.1	..	21.9	29	4.8	90.4	..	22.2	27	6	..	13.8	10.2	..	1	9	0	0	20	0	0	0	1	0
ALLEPPEY	34.1	+1.4	35.4	09	26.6	+1.1	23.0	11	1.8	57.8	-104.9	20.8	11	5	-3.5	16.5	12.4	+0.1	0	6	0	0	6	0	0	0	0	0
PUNALUR	36.7	+1.6	39.7	04	23.5	-0.1	21.4	11	93.2	148.0	+35.8	83.4	11	12	+0.3	4.9	3.2	-0.5	0	12	0	0	0	0	0	0	0	0
TRIVANDRUM	33.2	+0.8	35.0	27	25.4	+0.3	23.0	12	49.4	84.2	-21.5	21.4	27	8	+1.6	10.3	7.3	-0.5	2	11	0	0	19	0	0	0	0	0
TRIVANDRUM AERODROME	32.9	+0.2	34.5	20	26.0	+1.3	23.8	12	..	81.9	-27.4	31.3	15	6	-0.5	..	8.6	+0.7	0	10	0	0	17	0	0	0	0	0
ARABIAN SEA ISLANDS																												
AMINI	32.8	-0.2	34.0	24	26.9	-0.2	23.0	09	0.9	39.3	+13.9	14.9	09	3	+1.6	13.0	12.8	+2.8	1	3	0	0	2	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — APRIL 1959 CHAITRA 11 - VAISAKHA 10, 1881 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
ARABIAN SEA ISLANDS (CONTD.)																												
AGATTI	31.3	..	33.0	20	27.0	..	23.8	10	29.3	41.7	..	28.9	10	3	..	5.2	6.0	..	0	4	0	0	2	0	0	0	0	0
ANDROTH	33.8	..	35.0	06	26.9	..	22.7	09	1.0	72.1	..	34.5	09	3	..	3.9	2.6	..	0	4	0	0	0	0	0	0	0	0
MINICOY	32.1	+1.0	34.1	29	25.4	-0.8	22.3	11	84.8	99.9	+ 48.6	51.1	11	6	+ 3.1	8.5	5.9	-1.6	2	8	0	0	0	0	0	0	0	0
HILL STATIONS (EXCLUDING KASHMIR)																												
DALHOUSIE	20.9	-1.9	25.0	09	11.4	-0.5	4.2	30	69.1	934.6	+859.7	801.4	20	8	+ 3.1	2.0	2.8	-3.5	1	9	0	0	0	0	0	0	0	0
DHARMASALA	26.5	+0.6	29.4	09	14.3	-2.4	9.8	30	22.1	67.3	+ 20.3	20.2	30	6	+ 2.7	9.3	6.6	+0.3	1	8	0	0	10	0	0	0	0	0
BHUNTAR	25.3	..	30.0	15	10.2	..	6.2	23	22.6	121.9	..	20.7	30	10	..	9.1	7.3	..	0	12	0	3	14	0	0	0	0	0
SIMLA	19.3	+0.1	25.4	14	9.7	-1.5	3.3	30	8.0	35.7	- 10.0	13.3	30	4	- 0.3	7.1	6.1	+1.6	1	7	0	4	6	0	0	0	0	0
DHARMPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GHANGARIA (KANJALIA TOK)	12.2	..	20.8	16	1.4	..	- 2.9	04	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
BADRINATH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
JOSHIMATH	22.8	+0.5	28.2	16	4.0	-6.5	- 1.0	06	11.6	69.7	+ 9.8	28.0	30	7	+ 1.8	7.0	8.4	-0.8	1	9	0	0	0	0	0	0	0	0
MUSSOORIE	21.0	-0.1	27.1	16	11.5	-0.3	5.7	30	4.7	30.1	- 5.9	16.1	30	3	- 0.3	9.8	7.7	-0.2	0	5	0	1	3	0	0	0	0	0
MUKTESWAR (KUMAUN)	20.6	+0.5	27.0	16	9.5	-1.2	3.1	04	12.2	58.6	+ 22.3	23.0	30	5	+ 1.8	15.1	14.6	-0.3	1	7	0	3	10	0	0	0	0	0
NAINITAL	21.1	-0.1	25.4	16	11.9	-0.2	8.0	23	6.0	48.1	+ 23.4	31.0	30	3	+ 1.0	10.5	8.0	-0.1	1	5	0	0	0	0	0	0	0	0
KALIMPONG	27.4	+4.3	29.4	16	17.7	+2.7	14.6	28	15.1	17.7	- 63.6	8.0	08	3	- 3.8	6.7	5.5	-4.7	0	4	0	0	0	0	0	0	0	0
DARJEELING	16.7	-1.3	20.6	06	7.5	-3.3	3.2	30	26.6	40.4	- 72.9	11.8	07	5	- 3.2	4.2	3.5	-0.2	0	6	0	0	4	1	0	0	0	0
KOHIMA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SHILLONG (C.S.O.)	24.4	-0.3	26.8	04	14.4	+0.3	11.3	08	74.6	132.6	- 13.5	54.0	30	10	- 0.2	8.6	8.6	+0.6	1	12	0	2	7	0	0	0	0	0
CHERRAPUNJI	23.4	+1.4	26.1	05	15.0	-0.1	6.0	14	0.0	382.4	-301.4	60.2	14	15	- 1.4	..	..	..	0	16	0	0	0	0	0	0	0	0
ABU	31.1	+1.7	35.0	10	19.6	-0.4	17.0	30	0.0	0.0	- 2.5	0.0	..	0	- 0.3	6.5	4.3	-4.0	0	0	0	0	0	0	0	0	0	0
AIJAL	29.0	+2.5	35.2	07	17.8	+0.4	12.4	18	56.0	291.0	+117.3	84.0	19	10	+ 1.0	..	..	..	0	10	0	0	0	0	0	0	0	0
PACHMARHI	34.3	+0.9	34.0	16	21.0	+0.9	15.3	08	0.0	0.0	- 9.7	0.0	..	0	- 0.9	7.7	6.2	+1.1	0	0	0	0	0	0	0	0	0	0
MAHABALESHWAR	32.4	+3.1	34.4	04	18.8	0.0	16.6	01	1.9	11.7	- 13.4	10.8	07	1	- 0.5	10.6	11.5	+0.8	0	2	0	0	1	1	0	0	0	0
MERCARA	29.7	+1.8	31.8	08	15.4	-2.5	13.2	19	26.0	95.0	+ 27.2	28.2	18	5	0.0	9.4	8.8	+0.6	1	8	0	0	14	0	0	0	0	0
OOTACAMUND	24.3	+2.2	28.1	11	10.8	+0.6	8.8	07	25.4	78.8	- 6.8	44.4	20	5	- 1.7	5.6	3.3	-0.6	0	8	0	0	4	0	0	0	0	0
COONOOR	25.5	+2.0	27.7	16	11.4	-2.4	8.7	04	..	210.2	+ 67.6	63.8	08	8	+ 0.5	..	..	..	0	10	0	0	0	0	0	0	0	0
KODAIKANAL	21.2	+1.4	24.2	16	11.9	+0.3	9.6	04	25.6	137.3	+ 13.1	30.3	22	9	+ 1.4	13.7	13.5	+1.1	1	13	0	1	14	1	0	0	0	0
MANALI	19.0	..	24.0	15	5.3	..	0.5	23	85.8	272.9	..	71.0	29	9	..	..	..	..	0	12	0	0	0	0	0	0	0	0
NEPAL																												
KATMANDU	29.7	+0.8	33.1	29	11.1	-0.4	7.7	25	18.4	31.3	- 15.7	11.8	30	4	- 0.3	4.0	2.2	+0.6	0	4	0	0	6	1	0	0	0	0
SIKKIM																												
LACHEN	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
HYDROMETEOROLOGICAL OBSERVATORIES																												
DAMODAR CATCHMENT																												
TILAIYA	37.7	..	41.0	29	22.6	..	17.6	03	12.2	24.6	..	13.4	30	2	..	12.2	6.5	..	0	2	0	0	0	0	0	0	0	0
HAZARIBAGH	36.7	..	40.1	29	21.0	..	16.0	09	1.5	6.3	..	3.1	09	1	..	9.5	6.0	..	0	3	0	0	5	0	2	0	0	0
KONAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BOKARO	39.3	..	43.2	07	25.5	..	22.0	18	52.2	67.0	..	38.6	19	6	..	..	..	..	0	6	0	0	0	0	0	0	0	0
MAITHON	39.0	..	43.0	29	20.5	..	15.2	01	38.4	51.1	..	18.0	05	5	..	..	..	..	0	6	0	0	3	0	4	0	0	0
RAMGARH	38.1	..	42.0	29	19.0	..	14.4	01	24.2	31.9	..	19.8	18	2	..	..	..	..	0	7	0	0	0	0	0	0	0	0
PANCHET HILLS	38.4	..	42.7	07	24.0	..	20.6	03	25.2	39.5	..	15.0	18	4	..	7.0	5.3	..	0	6	0	1	2	0	0	0	0	0
DURGAPUR	37.8	..	42.0	29	22.1	..	16.4	18	19.8	114.4	..	38.0	18	5	..	19.2	18.9	..	0	6	0	0	0	0	0	0	0	0
MAHANADI CATCHMENT																												
GINABAHAR	39.6	..	42.1	17	21.2	..	17.3	10	..	24.8	..	20.4	30	2	..	..	..	..	0	3	0	0	5	0	0	0	0	0
HIRAKUD	40.5	..	43.7	17	25.4	..	20.7	01	2.5	24.3	..	20.5	30	2	..	6.0	5.5	..	0	4	0	0	10	0	0	0	0	0
BHIMKUND	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SONEPUR	40.6	..	44.0	18	25.6	..	20.6	02	..	8.8	..	2.5	08	2	..	.	5.8	..	0	6	0	0	0	0	0	0	0	0
KHIJRAWAN	39.1	..	42.1	17	20.2	..	10.6	01	..	42.8	..	18.0	26	3	..	.	8.4	..	0	4	0	0	9	0	0	0	0	0
NARMADA CATCHMENT																												
BAGRA TAWA	40.8	..	42.6	28	22.4	..	17.5	01	0.0	0.0	..	0.0	..	0	..	11.6	7.1	..	0	0	0	0	0	0	0	0	0	0
PUNASA	41.9	..	45.0	28	22.6	..	17.4	04	0.0	0.0	..	0.0	..	0	..	13.9	9.7	..	0	0	0	0	0	0	0	0	0	0
THIKRI	43.1	..	45.3	28	25.4	..	21.1	25	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
SABARMATI CATCHMENT																												
DAROI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
JHAROL	37.1	..	39.4	28	20.6	..	15.2	02	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
GANDAK CATCHMENT																												
JAMOSOM	20.3	..	27.6	16	4.0	..	0.0	30	27.4	60.3	..	18.4	30	4	..	..	..	..	0	7	0	0	0	0	0	0	0	0
KHUDI BAZAR	30.2	..	33.9	06	17.9	..	13.2	18	12.8	62.8	..	32.2	17	4	..	..	..	..	0	7	0	0	0	0	0	0	0	0
TIMURE	26.0	..	29.4	06	12.9	..	10.3	30	..	46.3	..	12.8	17	5	..	..	..	..	0	8	0	0	0	0	0	0	0	0
POKHARA	30.7	..	34.3	07	18.0	..	13.6	18	34.4	64.8	..	22.4	12	6	..	7.3	7.5	..	0	7	0	2	12	0	0	0	5	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — APRIL 1959 CHAITRA 11 - VAISAKHA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
KOSI CATCHMENT (CONTD)																												
[illegible]	29.8	..	33.9	07	17.2	..	11.8	30	13.9	54.3	..	21.4	30	5	..	..	..	..	1	8	0	2	13	0	0	0	0	0
[illegible]	31.7	..	34.0	07	19.3	..	13.5	30	17.0	21.0	..	14.0	30	2	..	..	..	..	0	2	0	0	0	0	0	0	0	0
GANDAKA CATCHMENT (TRANS HIMALAYAN REGION)																												
[illegible]	27.9	..	31.3	16	15.3	..	10.6	23	4.6	59.6	..	28.0	30	4	..	..	..	..	0	5	0	0	0	0	0	0	0	0
GANDAKA CATCHMENT																												
[illegible]	28.1	..	31.1	06	17.8	..	12.8	17	2.0	38.8	..	21.4	17	2	..	..	..	..	0	4	0	0	0	0	0	0	0	0
[illegible]	36.9	..	39.9	06	23.8	..	15.9	30	0.0	73.2	..	60.0	30	2	..	..	..	..	0	3	0	0	0	0	0	0	0	0
BAGMATI CATCHMENT																												
KATMANDU	..	SEE UNDER NEPAL			..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
[illegible] CATCHMENT																												
CHAUTARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SALONGCHUNG GOLA	12.7	..	16.9	16	2.9	..	0.2	09	54.2	55.7	..	15.4	30	9	..	..	..	..	0	10	0	0	0	0	0	0	0	0
TAPLETHOK	28.1	..	31.6	05	15.0	..	12.5	19	25.0	92.8	..	46.2	13	5	..	..	..	..	0	8	0	0	0	0	0	0	0	0
BHOJPUR	24.0	..	28.8	07	15.8	..	11.5	30	27.5	47.2	..	22.2	30	4	..	..	..	..	0	4	0	0	0	0	0	0	0	0
TAPLEJUNG	23.4	..	26.1	07	12.7	..	10.3	09	48.7	78.1	..	19.5	14	6	..	8.7	6.2	..	0	14	0	2	15	3	1	0	0	0
DHALDHONGA	24.1	..	26.8	05	13.8	..	8.6	08	27.3	51.7	..	18.3	30	4	..	6.6	4.4	..	0	7	0	3	6	3	0	0	0	0
CHATNPUR	..	..	..	..	16.9	..	12.1	08	29.7	56.2	..	23.0	30	2	..	..	..	..	0	2	0	0	0	0	0	0	0	0
PARAHAKSHETRA	34.1	..	36.6	06	21.9	..	19.0	18	45.5	67.3	..	33.2	18	3	..	9.6	6.4	..	0	4	0	1	6	0	0	0	0	0
TISTA CATCHMENT																												
GANGTOK	22.8	..	26.2	05	11.9	..	8.7	04	157.4	264.7	..	68.4	18	13	..	7.7	6.5	..	0	19	0	6	13	4	0	0	1	0
[illegible]	26.0	..	29.7	05	13.8	..	11.4	19	22.3	50.3	..	14.8	29	6	..	..	..	..	0	14	0	0	0	0	0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – APRIL 1969 CHAITRA 11 - VAISAKHA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAY ISLANDS																											
MAYA BANDAR	0830	28	1011.9	1008.7	+0.4	30.3	26.3	24.6	30.9	71	- 4	3.2	-0.7	3.1	0	0	17	01	6	5	1	0	3	1	0	13	0
	1730	28	1008.8	1005.7	+0.4	30.0	26.3	24.7	31.1	73	- 5	4.1	-0.6	5.9	0	0	27	01	13	4	2	0	2	2	3	3	0
LONG ISLAND	0830	25	1011.8	1008.9	+0.4	31.0	26.9	25.1	32.2	71	- 2	3.7	-0.5	1.9	0	0	25	00	6	0	5	0	9	3	2	5	0
	1730	25	1009.3	1006.4	+0.9	30.2	26.5	24.9	31.5	74	+ 0	5.4	+0.3	1.4	0	0	20	00	5	3	7	0	4	1	0	10	0
PORT BLAIR	0530	79	1009.9	1001.0	..	29.9	24.8	24.3	30.4	91	..	3.9	..	1.3	0	0	12	00	1	2	1	0	3	3	2	18	0
	0830	79	1011.8	1003.0	+0.9	31.5	26.6	24.4	30.9	66	- 4	3.6	-0.9	6.3	0	0	23	01	7	7	2	0	2	2	2	7	0
	1130	79	1010.6	1001.9	..	32.7	26.9	24.5	30.7	62	..	3.8	..	10.2	0	0	30	01	12	11	3	0	3	0	0	0	0
	1430	79	1008.5	999.7	..	32.1	26.5	24.1	30.1	63	..	4.4	..	8.8	0	0	29	01	8	10	3	2	1	1	3	1	0
	1730	79	1008.8	1000.0	+0.9	29.6	25.8	24.2	30.2	73	- 4	4.6	-0.7	3.5	0	0	18	01	4	4	3	0	3	2	1	12	0
	2030	79	1010.5	1001.6	..	28.0	25.5	24.4	30.5	81	..	2.6	..	3.1	0	1	13	01	6	3	0	0	2	0	2	16	0
	2330	79	1010.3	1001.4	..	26.9	25.2	24.4	30.6	86	..	2.8	..	4.6	0	1	16	02	4	4	0	1	2	2	2	13	0
CAR NICOBAR	0830	10	1010.8	1009.6	+0.1	31.5	27.8	26.1	33.0	73	+ 3	4.2	-0.6	1.9	0	0	17	00	12	0	4	0	1	0	0	13	0
	1730	10	1008.3	1007.1	+0.3	29.7	27.6	26.5	35.0	84	+ 7	4.8	+0.1	0.5	0	0	5	00	4	0	1	0	0	0	0	25	0
NAN GOWRY	0830	26	1011.4	1008.5	+0.4	30.6	27.2	25.8	33.2	76	- 1	3.9	-1.5	1.5	0	0	14	00	0	3	2	3	2	4	0	16	0
	1730	26	1008.4	1005.5	+0.3	30.1	26.7	25.2	32.2	75	- 6	4.1	-1.0	0.2	0	0	2	00	0	1	0	1	0	0	0	28	0
KONDUL	0830	8	1011.9	1011.0	+0.9	30.3	27.0	25.7	32.6	77	- 4	3.9	-1.2	2.9	0	0	10	00	10	0	0	0	0	0	0	20	0
	1730	8	1009.4	1008.5	+1.2	29.1	26.4	25.2	33.2	79	- 7	4.2	-1.1	3.7	0	0	13	00	13	0	0	0	0	0	0	17	0
HUT BAY/LITTLE ANDAMAN	0830	5	1011.8	1011.0	..	31.5	27.4	25.7	32.7	72	..	4.9	..	5.9	0	0	29	04	18	1	0	2	1	1	2	1	0
	1730	5	1009.4	1008.6	..	29.7	27.2	26.2	34.0	82	..	4.8	..	5.4	0	1	20	01	16	0	1	1	1	1	0	9	0
NORTH ASSAM (INCLUDING NEFA)																											
PASIGHAT	0830	157	1011.7	993.8	+1.0	23.5	19.2	16.3	18.8	66	- 4	5.7	+0.3	12.7	0	9	17	03	0	0	0	0	0	1	22	4	0
	1730	157	1007.4	989.7	+0.9	24.7	20.7	18.3	21.2	69	- 3	5.8	+0.3	6.1	0	3	17	02	0	1	0	2	0	1	14	10	0
DIBRUGARH (MOHANBARI)	0230	111	1008.8	996.0	..	20.6	19.3	18.5	21.4	88	..	6.1	..	6.1	0	0	23	01	16	3	1	1	1	0	0	7	0
	0530	111	1009.7	996.9	..	19.6	18.5	18.0	20.7	91	..	6.2	..	3.3	0	0	18	01	7	7	2	0	0	0	1	12	0
	0830	111	1011.5	999.2	+1.3	23.6	20.2	18.2	20.9	73	+ 1	5.1	+0.0	8.3	0	1	28	03	14	5	4	1	2	0	0	1	0
	1130	111	1010.5	997.9	..	26.9	21.7	18.7	21.7	63	..	4.7	..	8.9	0	2	27	01	12	9	1	2	2	1	1	1	0
	1430	111	1007.4	994.9	..	28.1	21.9	18.1	20.8	58	..	5.2	..	8.3	0	0	28	00	13	8	2	0	3	1	1	2	0
	1730	111	1006.9	994.3	+0.8	26.2	21.8	19.4	22.7	68	- 3	5.6	-0.2	5.1	0	1	20	00	11	7	0	0	1	0	2	9	0
	2030	111	1009.0	996.3	..	22.5	20.2	18.9	21.9	81	..	5.4	..	4.8	0	0	18	04	7	6	0	0	1	0	0	12	0
	2330	111	1009.4	996.6	..	21.4	19.7	18.7	21.6	85	..	5.7	..	5.7	0	0	22	00	15	6	0	1	0	0	0	8	0
DIGBOI	0830	152	1012.4	995.0	+0.7	23.8	20.7	18.8	21.8	76	- 5	4.0	-1.6	2.5	0	0	29	14	6	2	0	2	1	3	1	1	0
	1730	152	1007.8	991.0	+0.6	27.3	22.4	19.7	23.1	66	+ 0	3.8	-1.8	3.5	0	0	25	04	8	9	1	1	1	1	0	5	0
NORTH LAKHIMPUR	0830	102	1011.7	1000.1	+1.3	24.7	21.5	19.8	22.9	75	- 1	4.5	-0.8	6.5	0	0	27	03	16	2	0	1	4	0	0	3	1
	1130	102	1010.4	998.9	..	27.6	22.6	20.0	23.4	64	..	4.3	..	9.6	0	1	29	01	12	8	3	3	2	0	0	0	1
	1430	102	1007.3	995.9	..	28.7	22.9	19.9	23.2	60	..	3.8	..	7.7	0	1	29	01	17	5	1	3	2	0	0	0	1
	1730	102	1007.0	995.4	+0.9	25.9	22.9	21.4	25.6	77	+ 2	4.7	-0.3	3.7	0	0	21	05	12	2	1	1	0	0	0	9	0
	2030	102	1009.0	997.3	..	22.7	21.5	20.4	23.8	87	..	4.4	..	2.6	0	0	14	09	2	0	0	1	2	0	0	16	0
SIBSAGAR	0830		(R)																								
	1730		(R)																								
GOHPUR	0830	83	1011.4	1002.0	..	24.7	22.6	21.5	25.6	83	+ 4	5.6	..	2.4	0	0	16	00	0	14	0	0	0	2	0	14	0
	1730	83	1006.3	997.0	..	27.0	25.2	24.4	29.7	86	+17	5.4	..	1.0	0	0	8	00	0	6	0	0	0	2	0	22	0
MAJBAT	0830	120	1010.9	997.3	+1.1	25.1	23.0	22.0	26.3	84	..	2.3	-1.9	4.6	0	0	19	00	14	0	3	0	1	0	1	11	0
	1730	120	1006.2	992.8	+0.9	28.1	25.9	24.7	30.4	83	..	1.9	-1.8	2.2	0	0	8	00	3	0	2	0	2	0	1	22	0
JORHAT AERODROME	0530	90	1009.4	999.1	..	20.2	19.5	18.9	22.1	93	..	4.7	..	4.8	0	2	7	00	4	2	0	1	0	0	2	21	0
	0830	90	1011.4	1001.2	..	24.7	21.2	19.5	22.4	74	..	4.2	..	7.4	0	3	15	02	8	4	2	0	0	1	1	12	0
	1130	90	1010.0	999.9	..	28.8	22.6	19.2	22.7	58	..	3.5	..	9.8	0	3	20	02	9	3	2	1	1	1	4	7	0
	1730	90	1006.4	996.3	..	26.4	22.3	19.9	23.5	70	..	4.7	..	6.1	0	1	17	00	14	1	0	0	0	0	3	12	0
	2330	90	1008.7	998.4	..	22.8	20.5	19.0	22.2	81	..	4.7	..	4.3	0	1	10	01	7	0	1	1	1	0	0	19	0
TANGLA	0830	78	1007.7	1000.4	+0.2	25.6	21.8	19.8	22.9	71	+ 4	2.6	-0.5	4.0	0	0	21	00	0	13	0	6	0	2	0	9	0
	1730	78	1002.9	995.7	+2.1	29.6	23.9	21.0	24.6	61	- 2	2.4	-0.6	0.9	0	0	5	00	0	0	0	1	0	4	0	25	0
TEZPUR	0830	79	1011.2	1002.3	+0.7	24.2	21.7	20.4	23.8	80	+ 9	4.0	+0.1	5.2	0	1	21	02	15	2	0	0	2	0	0	8	1
	1730	79	1006.1	997.3	+0.7	28.8	23.2	20.3	23.8	61	+ 0	3.7	+0.3	3.1	0	0	19	01	13	0	0	0	4	0	1	11	0
GOLAGHAT	0830	95	1010.7	999.8	+1.0	23.3	20.7	19.1	22.1	78	+ 1	3.2	-1.5	1.5	0	0	20	01	10	2	2	1	1	0	3	10	0
	1730	95	1005.4	995.0	+0.2	30.0	22.4	18.2	20.9	51	-13	2.5	-1.3	0.5[e]	0	0	6	01	1	1	1	1	1	0	0	20	0
RANGIA	0830	60	1011.2	1004.4	..	25.4	22.3	20.7	24.4	76	+ 8	3.4	..	0.0[e]	0	0	0	00	0	0	0	0	0	0	0	26	0
	1730	60	1006.9	1000.1	..	29.0	23.9	21.4	25.5	65	+ 8	3.5	..	0.0[e]	0	0	0	00	0	0	0	0	0	0	0	26	0
CHAPARMUKH	0830	66	1013.4	1005.9	+3.4	26.5	22.1	19.5	22.9	67	+ 3	2.9	+0.4	4.4[b]	0	0	29	00	2	5	19	1	1	1	0	0	0
	1730	66	1007.3	997.8	+0.3	28.8	22.9	18.8	23.8	55	- 2	2.5	-0.8	3.1[m]	0	0	13	01	3	2	5	2	0	0	0	5	0
GOALPARA	0830	38	1010.3	1005.9	+1.2	24.9	22.0	20.5	24.4	77	+ 5	3.9	+0.9	2.1	0	0	27	02	3	16	1	0	1	4	0	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — APRIL [illegible](CHAITRA 11 - VAISAKHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NORTH ASSAM (INCLUDING NEFA) (CONTD.)																											
[illegible]	1730	38	1005.7	1001.4	+1.5	29.9	24.0	20.9	25.0	51	+ 6	3.7	+1.3	1.9	0	0	25	02	4	4	1	3	0	10	1	5	0
GAUHATI(BORJHAR)	0230	54	1007.2	1001.0	..	22.0	20.4	19.5	22.8	86	..	3.6	..	5.5	0	1	13	03	5	1	1	1	3	0	0	16	0
	0530	54	1008.4	1002.2	..	20.9	19.6	18.7	21.7	87	..	4.1	..	3.9	0	0	15	00	10	2	1	0	1	0	1	15	0
	0830	54	1010.5	1004.4	+0.8	25.6	21.8	19.7	23.1	70	+ 2	3.4	+0.3	5.9	0	0	20	03	12	3	0	1	0	0	1	10	0
	1130	54	1009.3	1003.2	..	29.6	22.9	19.3	22.7	56	..	2.8	..	8.2	0	0	24	07	9	3	0	0	0	2	3	6	0
	1430	54	1005.9	999.9	..	31.3	23.1	[illegible]	[illegible]	49	..	3.3	..	13.2	0	3	24	06	6	0	0	1	0	5	9	3	0
	1730	54	1005.7	999.6	+0.8	29.4	22.9	[illegible]	22.6	56	- 1	3.8	+0.6	6.2	0	0	22	07	6	0	0	0	3	3	3	8	0
	2030	54	1007.7	1001.5	..	25.1	22.0	20.3	24.0	75	..	3.4	..	4.3	0	0	14	00	5	1	2	2	3	1	0	16	0
	2330	54	1008.0	1001.8	..	23.5	21.1	19.7	23.1	80	..	3.6	..	6.7	0	2	15	00	3	3	0	4	4	2	1	13	0
[illegible]	0530	45	1007.8	1002.5	..	18.7	16.7	15.5	18.2	82	..	3.7	..	5.6	0	0	24	01	12	4	1	3	3	0	0	6	0
	0830	45	1009.8	1004.7	+1.2	21.2	17.7	15.8	18.6	73	+13	3.3	+0.0	8.0	0	0	29	01	5	14	1	5	1	1	1	1	0
	1130	45	1008.9	1003.9	..	23.0	18.3	15.7	18.5	68	..	3.3	..	10.1	0	1	29	02	5	7	6	7	2	1	0	0	0
	1730	45	1005.1	1000.1	+1.7	22.3	18.4	16.3	19.2	71	+24	3.6	+1.4	5.2	0	0	23	02	7	3	1	4	1	2	3	7	0
[illegible]	0830	35	..	..	..	20.8	18.1	16.6	18.9	77	+ 5	2.3	-1.1	8.7	0	2	24	01	13	8	2	0	1	0	1	4	0
	1730	35	..	..	..	22.4	18.6	16.6	18.9	72	+15	2.8	+0.5	2.3	0	0	14	00	9	0	2	1	2	0	0	16	0
[illegible]	0830	149	1011.5	994.6	..	20.4	16.8	14.6	16.6	72	+ 4	2.5	..	2.5	0	0	17	00	2	11	2	1	0	1	0	13	0
	1730	149	1006.6	990.0	..	22.7	17.4	13.9	15.9	64	..	3.7	..	2.4	0	0	17	02	0	4	3	5	3	0	0	13	0
[illegible]	0830		..	..	..	4.7	3.4	2.0	7.1	81	..	4.5	..	1.6	0	0	18	00	0	0	3	5	10	0	0	12	0
	1730		..	..	..	3.5	2.6	1.6	6.9	87	..	7.0	..	1.3	0	0	12	00	1	1	1	1	6	1	1	18	0
[illegible]	0830		..	..	..	12.4	12.0	11.8	13.9	96	..	3.6	..	1.6	0	0	21	01	0	6	0	13	0	1	0	9	0
	1730		..	..	..	9.1	8.8	8.6	11.2	98	..	3.4	..	1.4	0	0	16	00	0	5	0	7	0	4	0	14	0
[illegible]	0830		..	..	..	23.1	19.4	17.1	19.5	70	..	5.3	..	0.7	0	0	10	00	0	1	0	0	0	1	1	20	7
	1730		..	..	..	25.2	21.4	19.3	22.4	71	..	5.6	..	0.5	0	0	7	02	0	0	0	0	0	0	0	23	5
[illegible]	0830		..	..	..	20.9	19.1	18.0	20.6	83	..	5.3	..	0.1[d]	0	0	2	00	0	0	0	1	0	0	1	25	0
	1730		..	..	..	23.5	20.6	18.8	[illegible]	77	..	3.8	..	0.9[g]	0	0	7	00	0	0	0	3	0	3	0	17	1
[illegible]	0830		..	..	..	14.6	12.8	11.5	13.6	82	..	3.8	..	3.9[P]	0	0	7	02	5	0	0	0	0	0	0	8	0
	1730		..	..	..	17.3	15.1	13.7	15.7	80	..	3.7	..	3.6[P]	0	0	10	00	0	0	0	0	4	1	5	5	0
[illegible]	0830		..	..	..	23.1	18.0	14.9	17.0	61	..	5.4	..	0.5[J]	0	0	5	00	0	2	0	1	0	0	2	16	0
	1730		..	..	..	22.8	18.0	[illegible]	17.4	62	..	5.5	..	0.2[J]	0	0	2	00	0	0	0	0	0	0	2	19	0
SOUTH ASSAM(INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
[illegible]	0830	370	1010.2	968.9	+0.5	20.8	18.0	16.4	18.6	77	+ 8	4.8	+1.6	5.8	0	0	28	04	5	1	6	6	2	3	1	2	0
	1730	370	1005.8	965.1	+0.5	22.2	19.3	[illegible]	20.4	78	+19	4.1	+1.4	5.5	0	0	27	00	2	5	7	9	2	2	0	3	0
HAFLONG	0830	682	1012.5	936.9	+2.8	19.2	16.0	14.2	[illegible]	75	+ 6	4.0	+0.8	3.2	0	0	30	00	0	0	0	1	29	0	0	0	0
	1730	682	1006.6	932.1	+1.8	20.4	16.3	13.7	15.7	69	+ 8	3.6	-0.2	3.1	0	0	30	00	0	0	0	6	24	0	0	0	0
SILCHAR(KUMBHIRGRAM)	0530	97	1010.1	997.5	..	18.4	16.4	15.1	17.1	81	..	4.4	..	7.8	0	0	29	00	3	24	0	1	0	1	0	1	0
	0830	97	1011.5	999.2	+0.9	20.3	17.2	15.4	17.5	75	+ 6	4.1	+0.8	10.7	0	2	28	00	2	23	3	0	1	1	0	0	0
	1130	97	1010.4	998.0	..	22.6	17.9	15.1	17.1	66	..	4.0	..	9.5	0	1	29	00	2	9	5	3	8	2	1	0	0
	1730	97	1007.0	994.7	+1.1	22.2	18.0	15.5	17.6	69	+ 8	4.7	+1.4	4.7[k]	0	1	19	00	0	6	0	0	0	12	2	10	0
[illegible]	0830	29	1011.5	1008.1	+0.5	20.4	17.6	16.0	18.2	77	+ 3	3.7	-0.3	0.0	0	0	0	00	0	0	0	0	0	0	0	20	0
	1730	29	1006.4	1003.1	+0.5	22.4	18.5	16.5	18.8	71	+ 7	4.4	+0.8	0.1[J]	0	0	1	00	0	0	0	1	0	0	0	20	0
IMPHAL(TULIHAL)	0530	781	1012.1	924.6	..	16.2	14.3	13.1	16.1	82	..	4.4	..	1.7	0	0	4	01	0	0	0	2	0	0	1	26	0
	0830	781	1012.3	926.3	+1.1	19.1	15.4	13.2	15.9	71	+ 8	4.3	+1.0	2.6	0	0	6	00	0	1	0	3	0	2	0	24	0
	1130	781	1009.7	925.2	..	21.4	16.1	12.7	14.7	63	..	3.9	..	9.6	0	4	15	02	0	0	1	4	5	1	6	11	0
	1430	781	1006.5	922.6	..	22.1	16.0	[illegible]	13.6	61	..	4.2	..	14.8	0	10	14	03	0	0	0	2	4	5	10	6	0
	1730	781	1007.2	922.4	+3.0	20.3	15.7	12.7	15.3	66	+16	4.8	+1.5	7.4	0	2	16	03	0	0	0	2	0	3	10	12	0
	2030	781	1010.3	924.2	..	18.5	15.3	[illegible]	16.3	73	..	3.1	..	4.3	0	1	6	01	1	0	0	1	0	1	3	23	0
	2330	781	1011.3	924.4	..	17.3	15.0	13.6	17.1	80	..	3.6	..	1.4	0	0	4	00	0	0	0	0	1	1	2	26	0
KAILASHAHAR	0530	29	1010.2	1006.9	..	18.6	17.1	16.2	18.4	86	..	3.8	..	3.6	0	1	16	00	3	4	4	4	2	0	0	13	0
	0830	29	1011.8	1008.5	+1.3	20.7	18.2	16.8	19.1	79	+ 6	3.7	+0.3	7.7	0	0	28	00	0	5	5	13	2	0	3	2	0
	1130	29	1010.4	1007.2	..	23.2	18.8	16.5	18.8	69	..	3.4	..	10.2	0	2	26	00	5	2	6	8	4	1	1	2	1
	1730	29	1007.3	1004.1	+1.7	22.2	18.8	17.1	19.5	74	+13	3.4	-0.5	6.5	0	2	19	04	3	3	2	2	5	1	1	9	0
AGARTALA	0230	16	1006.8	1005.0	..	24.0	22.6	21.9	26.3	88	..	3.0	..	11.5	0	3	24	02	3	6	7	9	0	0	0	3	0
	0530	16	1007.9	1006.1	..	23.5	22.3	21.7	25.9	90	..	5.3	..	8.9	0	1	25	00	1	6	8	11	0	0	0	4	0
	0830	16	1009.9	1008.1	+0.9	27.5	23.8	22.1	26.6	73	+ 2	4.6	+0.7	14.2	0	6	22	00	1	2	7	15	0	1	2	2	0
	1130	16	1008.9	1007.1	..	31.6	24.9	21.6	25.9	57	..	3.7	..	14.3	0	4	26	01	0	1	3	13	8	2	2	0	0
	1430	16	1006.2	1004.4	..	32.6	24.6	20.5	24.4	51	..	4.2	..	14.8	0	6	24	01	0	0	1	15	7	3	3	0	0
	1730	16	1005.6	1003.8	+1.1	29.6	24.0	21.1	25.2	63	+ 4	3.9	+0.1	12.8	0	5	24	03	3	0	3	13	3	2	2	1	0
	2030	16	1007.6	1005.8	..	26.1	23.0	21.4	25.6	76	..	2.9	..	10.5	0	3	25	00	2	1	5	14	3	1	2	2	0
	2330	16	1007.6	1005.8	..	24.8	22.7	21.6	25.9	83	..	2.5	..	13.1	0	5	21	00	2	3	4	16	1	0	0	4	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1969(CHAITRA 11 - VAISAKHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 63 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SOUTH ASSAM(INCLUDING NAGALAND, MANIPUR AND TRIPURA)(CONTD.)																											
TUENSANG	0830		(R)																								
	1730		(R)																								
MUKOKCHUNG	0830		..	..	..	19.8	16.9	14.6	16.6	75	..	2.7	..	11.7	0	7	16	05	1	2	0	5	4	0	6	7	0
	1730		..	..	..	20.5	17.4	15.0	17.0	74	..	1.3	..	11.4	0	3	20	00	1	0	2	4	14	2	0	7	0
SUB-HIMALAYAN WEST BENGAL																											
BAGHDOGRA	0230	131	1007.2	992.1	..	21.2	18.9	17.5	20.0	80	..	2.3	..	6.7	0	1	16	06	8	2	0	0	0	0	1	13	0
	0530	131	1007.5	992.7	..	20.2	18.4	17.4	19.7	84	..	2.7	..	8.5	0	0	22	07	11	3	1	0	0	0	0	8	0
	0830	131	1009.8	995.0	+1.2	28.0	21.5	17.8	20.5	55	- 3	3.3	+0.5	16.2	0	5	22	01	13	10	1	0	2	0	0	2	0
	1130	131	1008.9	9 4.3	..	31.1	23.3	19.0	22.0	50	..	3.8	..	17.3	0	3	27	01	5	14	6	2	1	1	0	0	0
	1430	131	1005.7	991.2	..	31.8	23.2	18.6	21.4	48	..	3.9	..	16.1	0	4	24	01	5	10	2	2	4	2	2	2	0
	1730	131	1004.8	990.2	+0.5	29.3	22.6	18.9	21.8	56	+ 7	3.2	+0.6	11.8	0	2	23	01	14	4	2	1	1	1	1	5	0
	2030	131	1007.0	992.1	..	24.7	20.8	18.6	21.3	70	..	2.3	..	8.8	0	0	24	07	11	2	1	0	0	2	1	5	0
	2330	131	1008.1	993.0	..	22.7	19.7	17.9	20.5	75	..	2.6	..	7.5	0	1	19	06	9	4	0	1	0	0	0	10	0
JALPAIGURI	0830	83	1010.1	1000.7	+0.9	20.6	17.4	15.5	17.6	74	+ 6	2.8	-0.1	7.8	0	1	29	05	8	14	0	1	0	1	1	0	0
	1730	83	1005.0	995.8	+1.0	22.3	18.3	16.2	18.4	70	+20	2.2	+0.1	8.7	0	2	25	05	3	12	2	2	1	2	0	3	0
COOCH BEHAR AERODROME	0830	43	1010.3	1005.4	+1.7	20.8	17.6	15.8	18.6	74	+10	3.4	-0.1	13.3	0	6	21	02	5	17	1	2	0	0	0	3	0
	1130	43	1009.4	1004.6	..	22.6	18.4	16.1	19.0	69	..	3.2	..	15.7	0	10	19	01	2	15	4	1	0	1	0	1	5
	1730	43	1005.3	1000.5	+1.8	22.1	18.4	16.4	19.4	72	+17	3.0	+0.8	7.9	0	3	15	04	3	8	0	2	0	0	1	12	0
BALURGHAT	0830		(R)																								
	1730		(R)																								
MALDA	0830	31	1008.9	1005.4	+0.6	22.1	18.1	15.8	17.9	70	+14	2.5	-0.3	2.6	0	0	28	00	3	5	5	5	8	1	1	2	0
	1730	31	1004.1	1000.6	+0.6	24.7	18.2	14.1	16.1	60	+23	2.7	+1.1	1.9	0	0	22	02	3	5	2	2	2	3	2	8	1
GANGETIC WEST BENGAL																											
BERHAMPORE	0830	19	1009.1	1007.0	+0.8	21.9	18.7	16.9	20.5	75	+14	2.5	-0.6	3.3	0	0	28	02	0	1	3	19	2	1	0	2	0
	1730	19	1004.3	1002.2	+1.1	24.7	18.4	14.7	17.4	60	+23	3.0	+0.3	2.3	0	0	20	03	0	0	2	15	0	0	0	10	0
SURI	0830		..	..	..	31.4	23.4	18.6	22.2	51	+ 8	1.5	-1.0	4.8	0	0	30	02	0	3	2	20	2	1	0	0	0
ASANSOL	0230	126	1005.8	991.6	..	25.3	21.8	19.8	23.2	73	..	1.5	..	4.5	0	2	15	00	0	0	3	6	4	2	1	14	0
	0530	126	1006.7	992.4	..	24.0	21.1	19.4	23.2	77	..	2.8	..	2.2[b]	0	0	17	00	0	2	4	3	2	4	2	12	0
	0830	126	1008.5	994.5	+0.7	30.5	22.8	18.1	21.8	51	+ 3	2.9	+0.8	5.2[b]	0	0	26	01	1	3	3	4	2	8	4	3	0
	1130	126	1007.5	993.7	..	36.1	23.8	16.2	19.4	35	..	2.0	..	7.7	0	0	29	03	0	3	2	7	3	7	4	1	0
	1430	126	1004.4	990.7	..	38.0	24.2	15.6	18.9	31	..	2.8	..	6.9	0	1	28	02	3	3	4	3	4	3	7	1	0
	1730	126	1003.8	990.0	+1.0	34.8	23.3	16.4	19.1	37	+ 9	3.4	+0.6	6.5	0	2	21	05	1	0	4	5	2	2	4	7	0
	2030	126	1006.6	992.5	..	30.6	21.8	17.6	20.5	54	..	2.4	..	5.5	0	2	17	00	0	0	4	7	1	5	2	11	0
	2330	126	1006.9	992.7	..	27.1	22.1	19.1	22.5	64	..	1.4	..	6.2	0	0	23	00	0	2	4	8	5	4	0	7	0
SHANTI NIKETAN	0830	59	1009.6	1003.0	..	28.6	23.1	19.8	23.8	62	..	2.5	..	7.7	0	0	27	02	1	0	2	9	11	0	2	3	0
	1130	59	1008.4	1001.9	..	34.4	23.4	16.4	19.7	39	..	2.3	..	6.1	0	0	27	01	1	0	1	15	8	1	0	2	0
	1730	59	1004.6	998.1	..	33.6	23.5	17.5	20.4	44	..	3.1	..	5.0	0	1	17	01	0	0	1	13	2	0	1	12	0
KRISHNANAGAR	0830	15	1009.4	1007.7	+0.8	29.2	24.6	22.4	27.4	68	+ 2	1.9	-1.0	3.2	0	0	18	00	0	0	0	18	0	0	0	11	0
	1730	15	1006.2	1004.6	+2.4	33.6	24.8	20.2	23.5	48	+ 5	2.1	-0.8	2.3	0	0	20	00	0	0	2	18	0	0	0	10	0
PURULIA	0830	255	1009.0	980.8	+0.7	29.2	22.0	17.5	20.5	53	+15	2.7	+1.0	3.9	0	0	26	01	0	3	7	2	7	3	3	4	0
	1730	255	1003.9	976.2	+0.8	34.5	22.5	14.7	17.6	35	+11	3.6	+0.7	4.5	0	0	28	06	6	4	6	1	1	0	4	1	0
BANKURA	0830	100	1008.4	997.3	..	29.1	23.0	19.4	23.2	59	..	1.0	..	1.5	0	0	17	02	1	1	1	7	1	2	1	13	1
	1730	100	1003.7	992.7	..	34.3	21.3	12.2	15.3	30	..	1.1	..	0.3	0	0	4	00	0	1	0	1	0	0	0	25	2
BURDWAN	0830	32	1010.1	1006.5	+1.9	29.4	24.4	21.9	26.9	65	- 2	1.2	-1.0	10.2	0	1	29	00	1	2	4	5	13	3	2	0	0
	1730	32	1005.1	1001.5	+1.5	33.9	22.6	15.8	18.2	37	- 3	2.5	+0.1	8.3	0	1	25	02	0	2	5	8	8	1	0	4	0
CALCUTTA (DUM DUM)	0230	6	1006.1	1005.4	..	26.1	24.2	23.2	28.6	84	..	3.4	..	11.8	0	1	29	00	0	1	0	14	11	4	0	0	0
	0530	6	1007.3	1006.6	..	25.5	23.9	23.2	28.3	87	..	4.0	..	8.9	0	1	25	02	0	0	2	11	10	1	0	4	0
	0830	6	1009.2	1008.5	+0.5	28.9	25.2	23.4	28.9	73	+ 3	3.2	+0.1	15.5	0	6	24	00	0	2	1	9	13	4	1	0	0
	1130	6	1008.4	1007.7	..	33.6	25.8	22.0	25.2	53	..	2.8	..	15.9	0	7	23	02	2	0	1	8	13	3	1	0	0
	1430	6	1005.6	1004.9	..	34.9	25.5	20.6	24.7	46	..	3.1	..	16.3	0	11	17	00	0	0	1	15	11	1	0	2	0
	1730	6	1005.1	1004.4	+0.7	32.5	25.2	21.3	25.8	54	- 1	3.7	+0.6	14.9	0	8	20	00	0	0	1	15	11	1	0	2	0
	2030	6	1007.4	1006.7	..	28.2	25.2	23.8	29.7	78	..	3.3	..	18.0	0	13	16	00	0	2	3	11	12	0	1	1	0
	2330	6	1007.5	1006.8	..	26.6	24.5	23.4	28.9	83	..	2.5	..	16.3	0	8	21	01	1	0	0	12	11	1	3	1	0
CALCUTTA	0830	6	1009.5	1008.8	+0.9	29.9	25.6	23.5	29.3	69	- 2	4.0	+1.1	10.9	0	2	26	01	1	1	3	9	11	2	0	2	0
	1130	6	1008.5	1007.8	..	34.1	26.1	22.0	26.9	51	..	3.5	..	9.8	0	1	29	00	2	1	1	13	9	1	3	0	0
	1730	6	1005.2	1004.5	+0.8	31.9	25.4	22.2	27.4	59	+ 3	3.8	+0.8	11.5	0	3	25	00	0	0	6	20	2	0	0	2	0
MIDNAPORE	0830	45	1009.1	1004.0	+0.5	29.8	24.5	21.9	26.3	64	+ 2	1.9	-0.3	4.5	0	0	26	02	1	0	0	18	4	1	0	4	0
	1730	45	1004.3	999.2	+0.5	33.8	25.4	21.2	25.9	51	+10	3.7	+0.5	4.5	0	0	28	00	2	0	2	15	8	0	1	2	0
CONTAI	0830	11	1009.5	1008.3	+1.0	30.0	25.8	24.2	29.8	70	- 1	3.5	+0.6	20.3	1	9	20	02	0	1	1	16	10	0	0	0	0
	1730	11	1005.7	1004.5	+0.8	29.2	26.7	25.7	33.0	82	+ 6	4.5	+1.3	17.9	0	12	18	00	1	0	5	18	6	0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1959 CHAITRA 11 - VAISAKHA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GANGETIC WEST BENGAL(CONTD.)																											
SAGAR ISLAND	0830	3	1009.1	1008.8	+0.5	28.9	25.9	24.6	31.2	78	+ 3	4.2	+0.3	23.1	0	18	12	01	1	1	1	14	12	0	0	0	0
	1730	3	1005.5	1005.2	+0.6	29.0	26.4	25.3	32.4	81	+ 1	4.2	+0.4	24.3	0	20	10	00	0	0	11	16	3	0	0	0	0
SANDHEADS	0530	10	1007.7	1006.6	..	27.8	25.8	24.8	31.5	82	..	3.9	..	22.9	0	18	12	01	0	0	2	4	21	1	1	0	0
	0830	10	1010.1	1009.0	+0.9	28.7	26.2	25.1	32.1	81	+ 0	3.6	+0.7	26.0	1	15	14	00	3	0	2	5	19	1	0	0	0
	1130	10	1009.8	1008.7	..	29.5	26.5	25.3	32.3	79	..	2.9	..	25.0	0	16	14	00	1	2	1	4	20	1	1	0	0
	1730	10	1006.0	1004.9	+0.6	28.4	26.3	25.3	32.4	83	- 2	4.5	+1.6	27.0	1	18	11	00	1	0	1	10	17	1	0	0	0
	2330	10	1008.2	1007.1	..	27.9	26.3	25.6	32.9	87	..	.	..	26.7	1	18	11	00	1	0	2	6	21	0	0	0	0
NARENDRAPUR	0830		..	..	..	30.0	26.3	24.7	31.3	74	..	4.1	..	5.4	0	0	29	00	0	0	3	15	9	1	1	0	0
	1730		..	..	..	30.9	25.5	23.0	28.5	65	..	4.8	..	5.2	0	0	29	00	0	0	1	16	12	0	0	1	0
BAGATI	0830		..	..	..	28.5	25.3	23.9	29.7	76	..	3.5	..	9.2	0	1	29	00	1	0	5	2	20	1	1	0	0
	1730		..	..	..	31.5	25.3	22.2	26.7	60	..	2.8	..	5.3	0	0	28	00	0	0	0	4	12	8	0	2	4
ORISSA																											
BARIPADA	0830	54	1009.8	1003.7	+0.8	29.7	24.3	21.4	26.2	63	+ 5	2.4	+0.8	2.9	0	0	22	02	2	1	4	7	4	0	1	8	1
	1730	54	1005.4	999.4	+0.6	33.1	25.6	21.9	27.1	55	+11	4.4	+1.5	5.0	0	0	27	00	0	3	10	8	3	1	0	3	2
JHARSUGUDA	0230	230	1005.8	980.1	..	27.4	19.8	14.5	17.1	47	..	2.5	..	8.7	0	2	25	01	6	3	9	4	1	1	2	3	0
	0530	230	1006.9	981.0	..	25.5	19.4	15.2	17.9	55	..	3.4	..	6.2	0	1	24	03	7	6	4	4	0	1	0	5	0
	0830	230	1008.7	983.3	+0.5	31.2	21.7	15.5	18.4	42	+ 7	3.1	+1.3	9.9	0	3	25	03	3	4	7	5	2	3	1	1	0
	1130	230	1007.4	982.5	..	37.1	22.6	13.1	15.7	26	..	2.6	..	15.5	0	11	19	01	2	0	3	4	8	10	2	0	0
	1430	230	1003.6	979.0	..	39.7	22.8	11.4	13.9	20	..	2.9	..	16.9	0	10	20	01	1	1	2	2	6	14	3	0	0
	1730	230	1002.6	977.9	+0.2	38.4	22.1	10.7	13.3	22	+ 3	3.1	+0.6	15.9	0	10	20	04	2	1	1	8	7	3	4	0	0
	2030	230	1005.3	980.1	..	32.9	21.0	12.9	15.4	31	..	2.8	..	13.3	0	6	23	03	1	0	3	16	4	1	1	1	0
	2330	230	1006.4	980.9	..	29.4	20.4	14.2	16.8	42	..	2.9	..	10.3	0	4	20	02	3	5	3	4	4	3	0	6	0
KEONJHARGARH	0830	463	1006.5	955.5	-2.8	27.5	21.4	17.7	21.0	58	+ 6	1.7	-0.2	1.3	0	0	17	03	0	5	0	1	1	7	0	13	0
	1730	463	1001.4	951.6	-2.8	33.8	21.8	14.8	15.8	35	- 5	1.0	-1.7	1.5	0	0	21	01	2	3	0	6	3	4	2	9	0
BALASORE	0830	20	1009.3	1007.1	+0.9	29.7	25.3	23.2	28.6	69	+ 1	3.3	+0.3	12.1	0	3	25	01	1	0	0	12	13	0	1	2	0
	1730	20	1005.2	1003.0	+0.9	30.2	26.0	24.	30.2	71	+ 3	4.7	+0.5	12.1	0	4	26	03	0	1	1	21	3	1	0	0	0
SAMBALPUR	0830	148	1008.3	991.9	-0.1	32.1	22.8	17.	20.2	42	- 6	2.1	+0.2	2.6	0	0	13	01	0	3	2	1	6	0	0	17	0
	1730	148	1002.7	986.6	-0.4	37.1	22.9	13.8	16.3	26	- 1	2.4	-0.3	1.9	0	0	13	02	0	0	3	3	4	0	1	17	0
ANGUL	0830	139	1009.5	994.0	+0.6	28.7	25.0	23.2	28.9	73	+12	2.6	+0.3	..	.	..	..	00	0	0	0	0	0	0	0	0	0
	1730	139	1004.2	989.1	+1.0	36.1	25.1	19.2	22.9	42	+13	4.5	+0.4	..	.	..	..	00	0	0	0	0	0	0	0	0	0
CHANDBALI	0830	6	1009.9	1009.2	+0.8	29.7	26.0	24.4	30.7	73	+ 2	3.3	+0.5	9.9	0	2	28	01	1	3	4	10	8	0	3	0	0
	1730	6	1005.0	1004.4	+0.1	31.1	25.8	23.5	28.4	65	+ 1	3.2	+0.4	13.7	0	7	22	00	1	4	20	2	2	0	0	1	0
BOLANGIR	0830	190	1008.6	987.5	-1.8	31.5	22.8	17.6	20.6	46	- 3	2.4	+0.1	6.1	0	1	26	01	1	0	6	15	0	2	2	3	0
	1730	190	1002.9	982.4	-1.6	38.5	23.8	15.1	17.5	26	- 7	3.8	+0.5	3.8	0	0	19	02	3	0	5	2	4	1	2	10	0
PHULBANI	0830	464	1005.5	955.1	..	30.1	21.8	17.4	19.6	48	..	0.8	..	0.7	0	0	8	00	0	3	0	3	0	2	0	22	0
	1730	464	1000.9	951.6	..	34.0	21.9	15.1	16.8	34	..	2.2	..	1.9	0	0	18	01	0	1	8	2	3	1	2	12	0
CUTTACK	0830	27	1010.7	1007.7	+1.6	30.1	25.8	23.9	29.8	70	- 1	1.9	-0.4	5.5	0	0	28	01	0	1	0	10	10	6	0	2	0
	1730	27	1005.9	1002.9	+1.4	32.8	26.1	23.0	28.3	57	+ 7	2.8	-1.2	12.5	0	7	22	00	1	1	1	11	15	0	0	1	0
TITLAGARH	0830	211	1008.2	984.8	-0.4	30.7	26.4	24.6	30.7	70	+23	4.0	+2.0	2.0	0	0	30	00	3	0	6	0	19	0	2	0	0
	1730	211	1002.4	979.8	-0.5	39.0	29.3	25.4	33.0	48	+19	3.9	+1.2	2.0	0	0	29	01	4	0	6	0	16	0	2	0	0
BHUBANESWAR	0230	46	1006.8	1001.6	..	26.8	25.3	24.7	31.1	88	..	3.5	..	22.1	0	21	7	01	1	0	1	19	5	0	1	2	0
	0530	46	1007.5	1002.3	..	26.4	25.1	24.5	30.7	90	..	5.3	..	18.9	0	13	15	00	1	0	3	16	7	1	0	2	0
	0830	46	1009.8	1004.6	+0.8	29.7	25.7	23.9	29.7	72	+ 4	3.8	+0.8	21.3	0	16	12	00	0	2	3	14	9	0	0	2	0
	1130	46	1008.8	1003.8	..	34.4	25.6	21.4	25.6	48	..	2.7	..	24.2	0	19	11	01	1	0	0	18	8	1	0	0	1
	1430	46	1005.6	1000.6	..	35.8	25.5	20.3	23.8	42	..	3.3	..	28.0	0	25	5	00	3	0	1	22	3	1	0	0	0
	1730	46	1005.4	1000.3	+0.5	31.5	25.3	22.4	27.3	60	+ 3	4.6	+0.9	31.2	0	28	2	00	0	1	3	19	7	0	0	0	0
	2030	46	1007.8	1002.6	..	28.6	25.4	24.1	30.0	77	..	2.9	..	26.2	0	22	8	00	0	1	1	24	3	0	1	0	0
	2330	46	1008.0	1002.9	..	27.6	25.4	24.5	30.5	84	..	2.9	..	23.3	0	21	9	00	2	0	0	19	8	1	0	0	0
PURI	0830	6	1010.8	1010.1	+1.4	29.0	26.8	25.9	33.4	84	+ 4	3.7	+0.4	17.3	0	17	7	00	0	0	0	2	22	0	0	6	0
	1730	6	1006.5	1005.8	+0.9	29.0	26.7	25.8	33.2	83	- 2	3.6	-0.3	14.4	0	11	13	00	0	0	0	0	24	0	0	6	0
GOPALPUR	0530	17	1007.3	1005.4	..	26.2	25.1	24.6	31.1	91	..	4.1	..	17.8	0	16	10	00	0	0	1	5	20	0	0	4	0
	0830	17	1009.7	1007.7	+0.5	27.6	25.7	24.9	31.5	85	+ 6	2.7	+0.3	18.2	0	15	15	01	0	0	0	6	23	0	0	0	0
	1130	17	1009.4	1007.5	..	30.1	26.7	25.2	32.2	76	..	1.6	..	21.5	0	17	13	01	0	0	1	12	14	2	0	0	0
	1730	17	1006.1	1004.2	+0.7	28.0	26.1	25.2	32.2	85	+ 0	4.9	+0.8	23.7	0	22	8	00	1	0	0	6	21	1	1	0	0
	2330	17	1008.3	1006.4	..	26.9	25.6	25.1	31.9	90	..	2.4	..	25.6	0	23	6	00	1	1	0	1	25	0	1	1	0
KORAPUT	0830	913	1546.0	911.8	+1.1	28.5	22.3	16.6	18.1	51	-12	1.5	-0.6	15.6	0	0	30	01	1	1	5	5	14	1	2	0	0
	1730	913	1498.8	907.8	+0.2	31.2	20.0	12.4	15.0	35	- 9	3.8	-0.6	16.0	0	0	28	03	1	2	5	5	5	6	1	0	0
PARADIP PORT	0830	11	1010.7	1009.8	..	22.2	20.1	19.1	22.1	83	..	1.3	..	27.4	0	23	6	01	0	1	4	8	15	0	0	0	0
	1730	11	1007.4	1006.5	..	22.3	20.2	19.2	22.2	83	..	1.5	..	32.9	0	30	0	00	0	0	3	14	12	0	1	0	0
ROURKELA	0830	196	1009.6	987.8	..	23.3	17.6	14.1	16.1	62	..	2.0	..	6.0	0	3	14	00	3	2	7	2	1	2	0	13	0
	1730	196	1003.2	982.1	..	27.0	17.4	10.5	12.7	50	..	3.0	..	14.9	0	13	9	01	1	0	2	1	4	10	3	8	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1969 CHAITRA 11 - VAISAKHA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORISSA (CONTD)																											
BHUWANI PATNA	0830	267	..	..	..	24.1	18.4	15.3	17.4	63	..	2.3	..	3.3	0	0	30	00	3	1	5	8	11	1	1	0	0
	1730	267	..	..	..	27.0	18.3	12.9	14.9	53	..	3.5	..	3.7	0	0	30	01	3	3	6	2	8	1	4	0	2
BIHAR PLATEAU																											
DUMKA	0830	149	1008.6	992.0	+0.7	22.6	17.5	14.2	16.2	64	+15	1.1	-0.5	3.8	0	0	21	00	2	5	2	2	4	5	1	9	0
	1730	149	1003.6	987.4	+0.6	25.1	17.3	11.6	14.1	54	+21	2.5	+0.5	5.8	0	0	28	00	1	6	7	2	2	5	5	2	0
DALTONGANJ	0830	221	1008.6	984.1	+0.7	23.2	16.3	11.1	12.7	55	+18	1.3	-0.3	2.7	0	0	16	00	0	0	0	0	9	1	6	13	0
	1730	221	1002.9	979.1	+0.5	26.2	16.6	9.2	11.2	48	+28	2.3	-0.3	5.5	0	0	26	02	1	0	4	0	3	1	15	4	0
HAZARIBAGH	0830	611	1007.8	941.4	+0.3	21.1	15.2	10.9	12.5	60	+28	4.1	+1.7	5.7	0	0	26	03	0	1	1	7	7	3	4	4	0
	1730	611	1002.9	937.7	+0.4	22.8	15.2	9.2	11.6	56	+34	3.3	+0.3	6.9	0	0	30	08	0	2	6	1	1	0	12	0	0
DHANBAD	0830	257	1007.9	979.4	-0.1	22.8	17.2	13.5	17.9	62	+23	1.3	-0.3	2.7	0	0	25	00	2	0	8	0	5	6	3	5	1
	1730	257	1003.4	975.5	..	24.9	17.4	12.0	15.3	55	..	2.9	..	4.3	0	0	25	00	1	0	9	0	2	0	13	5	0
RANCHI AERODROME	0530	652	1007.1	935.2	..	22.8	16.9	12.6	15.0	56	..	1.9	..	8.8	0	1	19	00	0	1	1	1	10	4	3	10	0
	0830	652	1008.1	937.3	+0.6	28.0	18.9	12.4	15.1	42	+11	1.6	-0.2	16.0	0	9	15	03	1	0	1	3	9	6	1	5	0
	1130	652	1006.1	936.5	..	32.9	19.4	9.4	12.7	27	..	1.8	..	21.7	0	17	11	02	1	1	3	5	5	8	3	2	0
	1430	652	1002.9	933.8	..	34.4	19.3	8.0	11.3	23	..	2.9	..	24.9	0	20	10	06	2	1	0	1	10	4	6	0	0
	1730	652	1002.7	933.2	-0.1	32.2	18.7	8.1	11.7	28	+ 4	3.6	+0.5	17.9	0	8	22	01	3	1	2	5	2	3	13	0	0
	2030	652	1006.4	935.6	..	27.3	17.7	10.4	13.4	40	..	1.4	..	11.0	0	3	23	02	5	4	1	3	2	3	6	4	0
JAMSHEDPUR	0830	129	1009.0	994.6	+0.7	28.8	22.6	18.9	21.7	57	+ 9	1.3	-0.3	3.4	0	0	25	02	0	3	3	0	2	8	7	5	0
	1730	129	1004.0	989.9	+1.3	35.2	22.2	13.3	16.1	31	+ 7	2.7	+0.1	5.9	0	1	21	02	2	5	3	3	2	1	4	7	0
JAMSHEDPUR P.B.O.	0530	142	1007.0	990.9	..	24.6	20.9	18.5	21.9	70	..	2.4	..	1.9	0	0	7	01	0	2	1	1	0	1	1	23	0
	0830	142	1008.9	992.9	+0.7	28.9	22.1	18.4	21.1	54	+13	2.8	+1.0	2.8	0	0	11	00	0	1	1	2	1	5	1	19	0
	1130	142	1007.6	992.0	..	34.8	22.7	14.8	18.1	34	..	2.4	..	5.3	0	0	17	02	2	1	1	3	3	2	3	13	0
	1430	142	1004.1	988.7	..	37.7	22.3	10.9	14.5	24	..	2.6	..	7.3	0	0	23	01	3	4	2	4	4	3	2	7	0
	1730	142	1003.0	987.6	+0.6	35.6	21.6	11.2	14.6	28	+ 7	4.0	+0.8	8.4	0	3	17	02	2	6	2	3	0	0	5	10	0
	2030	142	1005.9	990.2	..	30.6	21.8	16.4	19.2	45	..	2.6	..	6.3	0	2	16	00	1	11	3	3	0	0	0	12	0
CHAIBASA	0830	226	1008.1	983.0	-0.8	29.6	22.5	18.4	21.4	54	- 1	3.5	+0.8	4.1	0	0	25	00	3	0	0	1	19	1	1	5	0
	1730	226	1003.1	978.6	+0.6	35.7	22.6	13.8	16.8	31	+ 0	4.2	+0.2	3.3	0	0	20	02	8	0	2	1	5	0	2	10	0
BIHAR PLAINS																											
MOTIHARI	0830	66	1008.5	1001.0	+0.8	26.7	20.5	16.6	19.5	56	+ 4	0.9	-0.4	3.5[b]	0	0	23	00	4	13	2	0	1	3	0	6	0
	1730	66	1005.1	996.7	+1.1	32.2	21.8	15.8	18.7	39	+ 1	0.0	-1.2	0.2[b]	0	0	1	00	0	0	0	0	0	1	0	18	0
FORBESGANJ	0830	61	1009.0	1002.1	+1.1	27.1	21.8	18.5	21.8	61	+ 8	2.0	+0.0	8.2	0	0	30	00	0	25	0	2	0	3	0	0	0
	1730	61	1004.1	997.4	+1.4	32.2	23.4	18.5	21.8	47	+17	1.6	-0.4	3.3	0	1	23	00	1	12	2	0	1	8	0	6	0
DARBHANGA	0830	49	1009.1	1003.6	+1.1	29.1	23.6	20.5	24.9	62	+ 9	1.6	+0.1	4.8	0	0	19	00	5	6	6	0	1	0	1	11	0
	1730	49	1004.0	998.6	+1.0	34.5	27.3	23.8	30.4	56	+21	0.7	-0.7	1.6	0	0	5	00	1	0	3	0	0	1	0	25	0
MUZAFFARPUR	0830		..	..	..	28.0	21.5	17.3	21.0	55	..	2.0	..	5.9	0	0	28	02	5	13	1	0	2	4	1	2	0
	1730		..	..	..	32.9	22.9	17.0	19.7	41	..	1.3	..	2.9	0	0	19	01	3	7	0	1	0	7	0	11	0
CHAPRA	0830	58	1008.7	1002.2	..	29.6	20.5	13.9	16.7	42	..	0.9	..	4.0	0	1	24	00	10	2	1	0	7	0	5	5	0
	1730	58	1003.3	997.0	..	36.4	21.8	11.6	15.1	26	..	0.8	..	2.8	0	0	26	00	9	1	1	0	6	0	9	5	0
PURNEA	0830	38	1009.1	1004.8	+0.7	27.1	22.3	19.5	22.9	65	+10	2.5	+0.3	2.6	0	0	27	01	2	19	0	0	1	4	0	3	0
	1730	38	1004.2	999.9	+0.8	32.7	23.7	18.7	21.8	46	+11	1.8	+0.2	1.6	0	0	18	01	3	9	0	0	1	4	0	12	0
PATNA	0830		(R)																								
	1730		(R)																								
PATNA AERODROME	0230	60	1004.8	998.0	..	25.8	19.0	13.8	16.4	51	..	1.6	..	6.2	0	1	20	01	1	7	0	2	4	6	0	9	0
	0530	60	1005.7	998.9	..	23.8	18.7	14.6	17.4	59	..	1.9	..	6.8	0	1	25	00	5	9	1	1	5	5	0	4	0
	0830	60	1007.8	1001.1	+0.7	28.9	20.8	15.2	18.1	47	+ 9	2.0	+0.7	12.3	0	4	26	02	1	11	2	2	4	6	2	0	0
	1130	60	1007.2	1000.7	..	34.8	22.0	13.2	16.0	31	..	2.0	..	16.2	1	7	22	00	4	8	1	1	2	11	3	0	0
	1430	60	1004.2	997.7	..	37.5	21.6	10.5	12.9	22	..	1.9	..	13.6	0	4	26	03	2	6	0	2	1	2	14	0	0
	1730	60	1002.9	996.3	+0.4	36.3	21.4	9.7	13.3	23	+ 5	1.5	+0.2	9.2	0	1	27	02	5	5	0	0	1	4	11	2	0
	2030	60	1005.1	998.4	..	30.0	20.6	14.2	16.6	40	..	1.7	..	8.6	1	3	15	01	2	5	1	1	1	7	1	11	0
	2330	60	1005.8	999.0	..	27.5	19.6	13.8	16.4	46	..	1.8	..	6.2	0	1	20	03	3	6	0	1	1	5	2	9	0
BHAGALPUR	0530	49	1006.3	1000.8	..	24.1	20.1	16.9	19.9	66	..	2.3	..	4.5	0	0	26	01	2	7	6	6	4	0	0	4	0
	0830	49	1008.5	1003.0	+0.6	29.3	22.0	17.3	20.8	52	+ 5	2.5	+1.0	6.6	0	2	28	01	3	9	5	4	6	2	0	0	0
	1130	49	1007.9	1002.5	..	34.4	22.9	14.9	17.9	37	..	2.3	..	7.2	0	2	24	00	3	5	7	0	3	5	3	4	0
	1730	49	1003.7	998.4	+0.9	33.8	22.2	14.2	17.6	41	+10	2.3	+0.9	6.1	0	2	20	02	1	7	0	1	1	7	2	8	1
	2330	49	1006.5	1001.0	..	27.9	21.1	16.6	19.9	54	..	1.2	..	6.1	0	1	29	00	1	10	9	6	3	0	1	0	0
SABAUR	0830	37	1008.4	1004.3	+0.5	36.8	23.7	20.8	25.6	65	+13	2.3	+0.3	6.9[b]	0	2	26	02	3	8	5	2	3	5	0	1	0
	1730	37	1003.8	999.7	+0.8	33.8	25.8	21.3	26.6	52	+18	2.3	+0.4	4.6[b]	0	0	23	05	4	4	0	2	1	1	6	6	0
JAMUI	0830		(R)																								
	1730		(R)																								

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1959 CHAITRA 11 - VAISAKHA 10, 1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lst. in gpn. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BIHAR PLAINS (CONTD.)																											
DEHRI	0830	107	1007.3	995.4	+0.1	31.8	20.1	10.6	13.9	32	+ 1	0.9	-0.3	3.2	0	0	29	01	2	6	2	1	11	6	0	1	0
	1730	107	1002.8	991.2	+0.5	37.2	21.2	8.9	12.2	20	+ 2	1.2	-0.3	4.6	0	0	29	02	5	3	0	0	1	15	3	0	0
GAYA	0230	116	1005.6	992.3	..	25.5	17.3	10.3	13.6	41	..	1.2	..	5.7	0	2	18	01	3	3	4	4	1	4	0	9	0
	0530	116	1006.3	993.1	..	24.1	16.7	10.3	13.5	44	..	1.2	..	5.2	0	1	18	00	5	3	4	4	1	2	0	11	0
	0830	116	1008.2	995.3	+0.6	31.9	19.8	10.2	13.6	30	- 1	1.7	+0.7	11.1	0	3	26	01	5	0	3	7	5	7	1	1	0
	1130	116	1007.4	994.7	..	37.1	21.0	8.3	11.9	20	..	1.6	..	14.4	0	8	19	00	4	4	1	0	2	8	8	2	0
	1430	116	1004.4	991.8	..	38.8	21.0	6.4	10.5	16	..	1.8	..	18.5	0	12	18	03	5	1	0	0	0	11	10	0	0
	1730	116	1003.4	990.8	+0.6	37.2	19.8	6.0	11.1	20	+ 3	1.9	+0.1	33.3	1	10	16	06	4	1	0	0	0	6	10	3	0
	2030	116	1005.7	992.7	..	30.7	19.1	9.7	12.8	30	..	1.5	..	7.6	0	3	18	04	5	1	3	0	2	5	1	9	0
	2330	116	1006.3	993.3	..	27.6	18.2	10.4	13.6	37	..	1.0	..	5.9	0	2	16	00	6	4	4	1	2	1	0	12	0
SUPAUL	0830		..	..	..	25.5	22.3	20.6	24.3	75	..	.	..	5.2	0	0	21	00	0	21	0	0	0	0	0	9	0
	1730		..	..	..	27.5	26.9	26.6	34.8	95	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
UTTAR PRADESH EAST																											
KHERI	0830	147	1006.4	989.8	-0.7	25.6	18.2	12.4	15.1	46	+ 0	2.4	+1.6	7.4	0	0	29	01	1	11	1	0	0	15	0	1	0
	1730	147	1002.7	986.7	-0.2	35.5	21.3	10.8	14.0	25	- 2	2.5	+1.3	7.1	0	0	29	01	0	8	0	0	0	20	0	1	0
BAHRAICH	0830	124	1007.9	993.9	+0.7	28.3	19.5	12.8	15.3	41	- 2	1.4	+0.2	10.9	0	4	24	01	0	6	10	0	0	10	1	2	0
	1730	124	1003.4	989.8	+0.3	35.7	21.2	10.5	13.4	27	+ 3	1.7	+0.2	7.9	0	1	22	00	1	2	0	0	5	11	4	7	0
NAUTANWA	0830	99	1007.8	996.5	+0.1	27.4	20.0	15.1	17.8	50	+ 7	1.2	+0.4	4.7	0	0	26	00	6	8	9	0	1	1	1	4	0
	1730	99	1003.0	992.0	+0.0	34.3	21.0	11.8	14.6	28	- 1	0.6	-0.4	3.1	0	0	23	00	1	4	4	0	2	3	9	7	0
HARDOI	0830	142	1007.7	991.8	+0.4	29.5	19.3	12.3	14.5	36	- 4	0.6	-0.8	4.0	0	0	28	01	0	5	2	3	1	11	5	2	0
	1730	142	1003.7	987.8	+0.3	36.0	21.5	11.4	14.0	24	+ 2	0.7	-0.8	3.5	0	0	23	02	0	2	0	2	0	14	3	7	0
GONDA	0830	110	1007.6	995.3	+0.0	29.6	20.2	13.7	16.4	40	+ 1	1.2	-0.1	4.0	0	0	26	00	0	14	0	0	0	5	7	4	0
	1730	110	1003.5	991.5	+0.4	35.6	21.4	11.3	14.2	25	+ 3	1.3	-0.1	3.1	0	0	20	00	1	4	0	0	0	8	7	10	0
LUCKNOW	0830	111	1006.5	994.0	-0.9	27.0	18.2	11.3	14.0	39	+ 0	0.6	-0.5	1.3	0	0	15	00	0	7	0	0	0	8	0	15	0
	1730	111	1002.9	991.3	+0.2	36.8	21.1	9.2	12.4	20	- 3	0.3	-0.9	1.7	0	0	22	00	0	1	0	0	0	20	0	8	1
LUCKNOW (AMOUSI)	0230	128	1005.0	990.5	..	24.1	16.4	9.8	12.5	42	..	1.1	..	4.3	0	1	16	02	2	3	1	0	0	3	6	13	0
	0530	128	1005.2	990.6	..	22.3	15.6	9.7	12.5	46	..	1.3	..	5.4	0	0	19	01	1	3	2	2	2	5	3	11	0
	0830	128	1007.4	993.1	+0.0	29.1	18.5	9.7	12.8	32	- 1	1.0	-0.2	12.7	0	4	24	02	2	5	2	4	2	4	7	2	0
	1130	128	1006.8	992.8	..	36.0	20.2	7.1	11.1	20	..	1.6	..	17.5	0	13	17	04	1	4	5	2	4	6	4	0	0
	1430	128	1004.1	990.2	..	38.1	20.8	6.2	10.3	16	..	1.4	..	17.8	0	15	15	04	1	4	3	1	1	7	9	0	0
	1730	128	1002.9	989.0	-0.2	36.9	20.2	6.3	10.2	17	- 1	1.4	-0.3	13.9	0	9	19	03	2	2	2	0	1	6	12	2	0
	2030	128	1004.7	990.5	..	30.0	18.6	9.4	12.3	30	..	1.4	..	5.2	0	1	14	03	2	2	0	0	0	5	3	15	0
	2330	128	1005.7	991.3	..	26.5	17.3	9.1	12.1	36	..	1.1	..	5.5	0	0	20	04	4	2	1	1	0	4	4	10	0
FAIZABAD	0830	102	1007.7	996.3	+0.2	29.3	19.4	11.9	14.6	37	- 4	1.8	+0.3	4.2	0	0	27	00	1	11	1	0	1	13	0	3	0
	1730	102	1003.2	992.1	-0.1	35.2	21.9	13.0	15.6	28	+ 2	1.8	-0.1	3.9	0	1	17	00	0	3	0	0	2	13	0	12	0
GORAKHPUR	0830	77	1008.0	999.3	+1.8	28.8	20.2	14.0	16.8	44	+ 1	1.0	-0.3	2.3	0	0	25	01	1	13	0	1	1	5	3	5	0
	1730	77	1003.2	994.8	+0.4	36.6	22.4	12.9	16.3	27	+ 1	0.8	-0.6	2.3	0	0	25	01	0	6	0	1	1	15	1	5	0
GORKHPUR P.B.O.	0230	78	1004.6	995.8	..	27.6	18.9	13.5	16.1	44	..	0.8	..	5.7	0	0	24	04	3	3	4	0	1	9	0	6	0
	0530	78	1005.8	996.9	..	25.6	18.0	13.3	16.0	48	..	1.1	..	5.9	0	1	27	02	4	5	4	3	4	4	2	2	0
	1130	78	1007.2	998.5	..	33.7	20.9	13.3	16.4	33	..	1.1	..	11.1	0	3	26	01	1	5	8	1	4	6	3	1	0
	1430	78	1004.2	995.5	..	35.4	20.7	12.3	15.2	27	..	1.6	..	11.2	0	3	26	01	1	5	2	3	5	8	4	1	0
	2030	78	1004.9	996.2	..	31.0	20.1	13.5	16.4	38	..	0.8	..	5.5	0	0	23	03	3	3	0	2	1	8	3	7	0
	2330	78	1005.6	996.8	..	28.9	19.5	13.8	16.5	42	..	0.7	..	7.4	0	2	24	03	4	2	3	3	2	6	3	4	0
KANPUR	0830	126	1007.3	993.2	-0.3	30.3	19.6	11.4	14.2	33	+ 0	1.0	-0.1	10.1	0	1	25	00	2	7	1	4	0	10	2	4	0
	1730	126	1002.6	988.9	-0.9	37.2	22.9	13.8	16.4	26	+ 5	0.9	-0.6	9.4	0	0	25	00	1	4	0	0	1	12	7	5	0
KANPUR (AERODROME)	0530	126	1005.8	991.5	..	23.2	15.9	9.4	12.4	43	..	1.3	..	8.6	0	1	25	03	2	2	3	2	2	7	5	4	0
	0830	126	1007.7	993.6	..	29.7	19.1	10.3	13.5	34	..	1.1	..	16.8	0	6	24	01	2	5	4	6	2	5	5	0	0
	1130	126	1007.2	993.5	..	36.6	21.8	10.8	14.3	23	..	1.6	..	19.5	0	10	20	02	2	2	7	3	2	4	8	0	0
	1730	126	1003.2	989.5	..	37.3	21.8	10.2	13.5	22	..	1.9	..	18.7	0	11	18	03	2	2	3	0	1	3	15	1	0
	2330	126	1005.9	991.8	..	27.8	18.4	10.7	13.4	36	..	1.4	..	10.7	0	4	20	06	1	3	3	1	0	3	7	6	0
SULTANPUR	0830	97	1009.7	998.8	+1.6	30.7	19.8	11.5	14.3	33	- 3	1.0	-0.4	3.5	0	0	23	00	1	7	1	2	2	10	0	7	0
	1730	97	1003.1	992.6	-0.5	37.6	21.3	9.1	12.4	20	- 3	1.7	+0.1	3.2	0	0	26	00	1	3	0	0	1	21	0	4	0
AZAMGARH	0830	78	1007.5	998.8	+0.6	29.7	21.1	14.7	17.2	45	+ 0	0.8	+0.2	5.1	0	0	28	02	6	6	0	2	1	11	0	2	0
	1730	78	1002.9	994.5	+0.3	37.0	23.6	15.5	18.4	31	- 1	1.1	+0.4	4.5	0	0	24	02	0	4	0	0	1	15	2	6	0
FATEHPUR	0830	114	..	..	..	29.9	20.5	14.1	16.6	39	+ 2	0.8	-0.5	5.1	0	0	29	00	0	9	3	0	2	14	1	1	0
	1730	114	..	..	..	38.0	23.6	14.6	17.6	27	+ 1	1.1	-0.5	5.9	0	0	29	02	0	9	0	0	0	13	5	1	0
BALLIA	0830	64	1008.4	1001.2	+0.7	28.9	22.6	18.6	22.3	54	+13	1.7	+0.3	3.1	0	0	27	00	4	9	0	0	3	6	5	3	0
	1730	64	1004.0	997.0	+0.0	35.3	23.1	15.4	18.8	33	+ 9	1.7	+0.5	1.6	0	0	13	00	2	5	0	0	1	5	0	17	0
BANDA	0830	121	1010.9	997.2	+2.5	32.7	20.5	11.4	14.4	30	- 5	0.3	-0.7	1.8	0	0	25	00	0	0	1	0	23	0	1	5	0
	1730	121	1003.7	990.2	-0.1	39.4	23.7	12.7	14.7	24	+ 1	1.3	+0.0	2.1	0	0	28	00	0	0	1	0	26	0	1	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – APRIL 1959 CHAITRA 11 – VAISAKHA 10, 1881 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																											
ALLAHABAD (BAMHRAULI)	0230	98	1004.9	993.8	..	26.1	17.2	9.9	12.5	37	..	1.1	..	1.7	0	0	9	00	1	4	1	0	0	1	2	21	0
	0530	98	1005.5	994.3	..	24.2	16.2	9.3	12.1	40	..	1.6	..	1.4	0	0	7	01	0	2	0	0	0	3	1	23	0
	0830	98	1007.5	996.6	-0.1	30.6	18.8	9.0	12.2	28	- 2	1.4	-0.1	4.7	0	1	20	00	2	3	4	4	2	5	1	9	0
	1130	98	1007.0	996.3	..	37.6	20.7	7.1	10.8	18	..	1.2	..	10.5	0	3	23	01	0	8	1	2	1	7	5	4	1
	1430	98	1003.9	993.3	..	40.2	21.2	5.1	9.6	14	..	1.5	..	11.9	0	6	24	07	2	1	4	1	0	5	14	0	1
	1730	98	1002.8	992.2	-0.3	38.3	20.6	5.7	9.9	15	+ 0	1.7	+0.0	10.4	0	3	26	04	4	2	1	0	0	6	12	1	0
	2030	98	1004.8	993.6	..	31.8	19.5	10.2	12.8	27	..	1.3	..	3.7	0	2	11	01	1	3	3	0	0	0	4	17	1
	2330	98	1005.6	994.6	..	28.6	18.3	10.1	12.7	33	..	1.2	..	2.3	0	0	10	01	1	3	2	1	0	1	1	20	0
VARANASI (BABATPUR)	0530	85	1006.0	996.1	..	23.8	16.2	9.2	12.6	42	..	1.3	..	5.5	0	2	18	00	1	5	1	2	7	3	1	10	0
	0830	85	1008.3	998.6	+0.2	30.6	18.6	8.3	11.9	27	- 4	1.2	+0.1	11.0	0	3	24	01	3	3	4	1	5	10	0	2	0
	1130	85	1007.4	998.0	..	36.5	20.2	6.0	10.4	18	..	0.9	..	14.1	0	6	23	01	1	5	1	3	3	9	4	1	2
	1730	85	1003.3	993.9	-0.2	37.4	20.0	4.5	8.9	15	- 2	1.2	-0.3	12.1	0	4	25	00	3	3	1	1	0	11	10	1	0
	2330	85	1005.9	996.2	..	28.0	17.6	8.2	11.5	32	..	0.7	..	7.1	0	2	20	00	1	9	1	2	1	6	2	8	0
VARANASI	0830	76	1007.8	999.1	+0.2	30.4	20.3	13.0	15.7	37	+ 1	1.6	+0.3	1.3	0	0	15	00	1	1	2	1	4	6	0	15	0
	1730	76	1003.1	994.7	-0.4	36.6	21.8	11.3	14.0	23	+ 3	1.1	-0.4	1.9	0	0	17	01	0	2	1	0	0	7	6	13	0
UTTAR PRADESH WEST																											
MUKHIM	0830		..	..	..	16.0	11.5	7.8	10.7	60	+15	3.0	..	1.4	0	0	12	00	2	1	4	0	1	3	1	18	0
	1730		..	..	..	17.4	12.3	8.2	11.1	56	+19	2.4	..	2.2	0	0	16	00	2	7	1	0	0	5	1	14	0
TEHRI	0830		..	..	..	19.1	14.3	10.5	12.9	59	+ 5	3.0	+1.1	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1130		..	..	..	25.9	17.3	11.2	13.5	42	..	3.9	..	3.3	0	0	22	00	7	5	3	2	2	2	0	8	1
	1730		..	..	..	28.0	17.1	8.8	11.8	33	+ 8	5.6	+2.8	6.1	0	2	24	00	0	1	5	1	5	4	5	4	5
DEHRA DUN	0530	682	1007.8	931.6	..	19.6	14.4	10.4	12.8	56	..	2.8	..	1.7	0	0	8	02	4	0	0	1	0	1	0	22	0
	0830	682	1008.2	932.8	+0.3	22.9	16.4	11.9	14.1	51	+ 8	3.2	+1.3	1.5	0	0	12	06	2	0	2	0	0	2	0	18	0
	1130	682	1007.1	933.4	..	29.7	19.5	12.9	15.3	37	..	3.5	..	2.9	0	0	17	01	0	3	3	5	0	4	1	13	0
	1730	682	1003.6	930.2	+0.4	29.9	19.3	12.4	15.0	35	+10	4.5	+1.7	4.8	0	1	25	07	3	0	1	2	4	8	1	4	0
	2330	682	1008.0	932.5	..	22.4	15.9	11.2	13.7	49	..	3.3	..	2.0	0	0	11	06	3	0	1	0	0	1	0	19	0
MANSIARI	0830		(R)																								
	1730		(R)																								
ROORKEE	0830	274	1010.1	979.3	+2.7	26.2	17.8	11.3	13.7	41	+ 0	2.2	+0.2	1.7	0	0	22	00	3	0	6	0	0	0	13	8	0
	1730	274	1006.1	976.2	+2.9	34.0	21.3	12.7	14.9	29	+ 7	2.8	+0.3	2.2	0	0	27	01	2	0	5	0	0	0	19	3	0
MUZAFFARNAGAR	0830	270	1008.2	977.9	+0.5	25.4	17.5	11.3	13.7	42	+ 0	1.9	+0.9	3.6	0	1	15	01	0	1	3	1	2	2	6	14	0
	1730	270	1004.1	974.8	-0.2	33.9	18.9	6.0	9.8	19	- 1	2.3	+1.2	9.8	0	7	22	00	1	4	2	2	0	13	6	1	1
MEERUT	0830	222	1008.8	983.7	+0.8	[illegible]	18.3	12.6	14.9	45	+ 6	0.2	-0.3	3.5	0	0	23	03	1	1	2	0	1	10	5	7	0
BAREILLY	0830	173	1007.5	988.1	+0.6	27.3	19.7	14.6	16.9	47	+10	0.8	-0.6	8.2	0	2	26	02	1	5	1	0	4	9	6	2	0
	1730	173	1003.3	984.4	+0.1	35.1	22.6	14.4	17.5	32	+11	1.8	-0.2	4.7	0	0	30	02	0	5	0	0	0	23	0	0	0
BAREILLY P.B.O.	0230	172	1005.0	985.6	..	25.6	..	..	..	*	..	1.4	..	7.1	0	1	24	01	4	3	0	0	1	10	6	5	0
	0530	172	1005.4	985.9	..	24.2	..	..	..	*	..	2.1	..	5.9	0	0	26	01	6	4	1	0	1	10	3	4	0
	1130	172	1007.2	988.3	..	32.9	..	..	..	*	..	2.7	..	11.1	0	4	25	03	2	3	5	0	0	5	11	1	0
	1430	172	1004.5	985.7	..	35.2	..	..	..	*	..	3.3	..	11.7	0	3	27	00	2	6	3	0	2	9	8	0	0
	2030	172	1005.1	986.0	..	29.9	..	..	..	*	..	1.8	..	7.4	0	2	23	02	3	3	0	1	0	10	6	5	0
	2330	172	1005.9	986.6	..	27.5	..	..	..	*	..	1.8	..	6.1	0	0	25	03	5	3	0	0	0	8	6	5	0
ALIGARH	0830	187	1008.6	987.0	+0.6	26.8	17.5	10.1	12.7	37	+ 1	1.9	+0.6	4.6	0	0	25	02	3	4	0	2	1	12	1	5	0
	1730	187	1004.2	983.4	+0.5	34.9	19.5	5.4	9.3	16	- 3	2.9	+0.9	7.6	0	1	27	01	0	2	1	1	0	21	2	2	0
MAINPURI	0830	157	1007.7	990.1	+0.1	27.6	19.4	12.9	15.6	41	+ 4	0.7	-0.7	4.7	0	1	21	00	0	4	0	0	1	16	1	8	0
	1730	157	1003.8	986.6	+0.4	38.8	22.0	11.4	14.5	23	+ 0	0.9	-0.9	5.9	0	1	22	00	0	1	1	1	0	20	0	7	0
AGRA	0830	169	1008.3	989.4	+0.3	26.1	19.5	13.5	15.9	41	+ 9	0.9	-0.3	1.1	0	0	8	00	1	0	1	0	1	0	5	22	0
	1730	169	1003.7	985.4	+0.0	37.0	23.0	14.2	16.9	27	+ 9	2.7	+0.9	7.1	0	0	27	01	3	0	0	0	7	0	16	3	0
AGRA AERODROME	0230	169	1005.6	986.6	..	24.9	16.5	9.1	12.1	39	..	1.1	..	9.5	0	0	27	07	2	5	1	3	0	3	6	3	0
	0530	169	1006.3	987.1	..	22.4	15.8	10.0	12.9	47	..	1.3	..	9.2	0	0	28	07	0	1	2	4	2	5	7	2	0
	0830	169	1008.2	989.2	..	27.2	18.6	12.0	14.5	41	..	1.4	..	10.2	0	1	28	07	1	4	1	1	3	5	7	1	0
	1130	169	1007.7	989.2	..	35.3	21.2	10.9	13.8	25	..	1.4	..	13.9	0	4	24	05	0	2	2	2	1	8	8	2	0
	1730	169	1003.7	985.4	..	36.6	20.9	8.9	11.9	20	..	2.3	..	16.1	0	10	19	10	0	3	2	0	1	5	8	1	0
	2330	169	1006.5	987.6	..	27.6	17.8	10.1	12.8	36	..	1.4	..	12.4	0	2	28	10	4	5	1	2	0	3	5	0	0
ETAWAH	0830	141	1008.8	993.3	+0.4	34.6	23.9	18.0	21.3	39	+ 2	0.2	-1.0	3.5	0	0	29	02	8	0	3	2	1	2	11	1	0
	1730	141	1004.5	989.2	+0.5	35.3	25.7	20.4	24.5	41	+13	0.2	-1.4	3.1	0	0	27	05	8	0	0	0	2	0	12	3	0
JHANSI	0830	251	1009.0	981.2	+1.0	28.7	17.3	7.3	10.6	28	+ 1	0.3	-0.9	0.7	0	0	7	00	0	1	0	2	0	3	1	23	0
	1730	251	1003.0	975.8	-0.3	37.4	19.8	4.8	8.9	15	- 1	0.5	-1.4	1.3	0	0	14	00	0	2	0	7	0	5	0	16	0
MORADABAD	0830	198	..	..	..	26.6	19.8	15.0	17.9	51	..	0.4	..	4.7	0	2	22	00	1	1	1	1	0	0	20	6	0
	1730	198	..	..	..	33.8	21.7	13.8	16.2	31	..	0.9	..	6.6	0	0	28	00	3	1	0	0	4	1	19	2	0
UTTAR KASHI	0830		..	..	..	17.0	11.9	7.1	10.2	54	..	2.3	..	0.3	0	0	2	00	[illegible]	1	[illegible]	0	0	1	0	28	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — APRIL 1969 (CHAITRA 11 - VAISAKHA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST (CONTD.)																											
UTTARKASHI	1730		..	..	..	22.6	13.6	5.2	9.7	35	..	4.0	..	1.4	0	0	7	00	0	6	0	0	0	1	0	21	0
ALMORA	0830		..	..	..	16.5	11.6	7.5	10.6	58	..	3.3	..	2.4	0	0	23	01	4	5	6	3	1	0	1	7	2
	1730		..	..	..	22.7	14.1	7.5	10.7	41	..	5.4	..	2.8	0	0	24	03	4	2	1	2	6	5	0	6	1
DHARCHULA	0830		..	..	..	..	..	..	..	..	..	1.7	..	1.0	0	0	3	00	3	0	0	0	0	0	0	27	0
	1730		..	..	..	..	..	..	..	..	..	3.6	..	2.9	0	0	6	00	4	0	1	0	1	0	0	24	0
HARYANA (INCLUDING DELHI AND CHANDIGARH)																											
CHANDIGARH	0830	347	1006.8	967.7	-0.6	26.4	17.6	1[illegible].4	13.8	39	+ 1	2.4	+1.3	2.4	0	1	17	00	0	0	2	0	0	0	16	12	0
	1730	347	1003.9	965.6	-0.6	31.4	17.8	7.3	10.7	22	- 3	3.2	+2.5	2.9	0	0	25	00	0	0	3	0	0	0	22	5	0
AMBALA	0830	272	1007.5	977.0	+0.4	25.5	17.4	10.9	13.4	42	+ 1	1.7	+0.1	2.9	0	0	28	00	5	0	10	0	0	0	13	2	0
	1730	272	1004.3	974.6	+0.7	32.7	18.8	7.1	10.6	22	+ 0	2.5	+0.7	3.3	0	0	30	00	1	0	5	0	2	0	22	0	0
AMBALA P.B.O.	0230	278	1006.2	974.8	..	24.6	20.1	18.0	20.8	67	..	1.5	..	6.0	0	0	22	00	0	2	4	1	1	0	14	8	0
	0530	278	1006.3	974.8	..	22.9	19.0	16.8	19.4	70	..	3.3	..	5.9	0	2	19	01	2	1	6	0	0	0	11	9	0
	1130	278	1007.3	976.7	..	31.8	24.6	21.9	26.1	56	..	2.7	..	8.0	0	1	26	01	1	2	9	1	2	0	11	3	0
	1430	278	1005.1	974.6	..	33.0	24.8	21.6	26.2	52	..	3.4	..	7.9	0	1	24	02	0	0	6	1	3	2	11	5	0
	2030	278	1005.9	975.0	..	28.9	23.0	20.5	24.3	61	..	2.4	..	6.7	0	1	22	01	2	2	4	0	0	1	13	7	0
	2330	278	1006.7	975.6	..	26.6	21.1	18.5	21.6	62	..	2.1	..	7.2	0	1	22	00	3	2	3	1	0	0	14	7	0
AMBALA AERODROME	0530	274	1006.4	975.0	..	20.8	15.3	10.5	13.0	54	..	3.0	..	9.5	0	2	19	02	1	2	2	0	1	5	8	9	0
	0830	274	1007.4	976.6	..	25.6	17.7	11.5	13.9	43	..	3.2	..	14.5	0	7	20	00	2	7	2	1	0	4	10	3	1
	1130	274	1007.1	977.0	..	32.4	19.9	10.7	13.2	27	..	3.2	..	17.9	0	9	20	01	0	6	5	1	1	7	8	1	0
	1730	274	1004.1	974.2	..	32.1	19.8	10.5	13.2	30	..	4.4	..	18.1	0	10	20	01	0	1	3	1	2	9	12	0	1
	2330	274	1007.0	976.0	..	24.2	17.1	11.3	13.8	46	..	2.8	..	12.2	0	3	21	01	1	3	1	1	0	8	8	6	1
KARNAL	0830	249	1007.5	979.6	+0.1	26.6	18.1	11.6	14.0	40	- 5	1.2	-0.1	4.7[d]	0	0	22	00	1	9	0	0	0	12	0	5	0
	1730	249	1003.9	976.4	-0.4	32.7	18.8	7.1	10.5	22	+ 1	2.2	+0.2	5.6[d]	0	0	26	01	0	4	0	1	0	20	0	1	0
HISSAR	0530	221	1006.7	981.5	..	21.1	18.4	16.6	19.1	76	..	1.6	..	4.8	0	0	24	05	1	7	4	1	2	3	1	5	0
	0830	221	1008.3	983.3	+0.2	24.7	21.0	18.9	22.0	70	+24	1.9	+0.8	5.3	0	0	24	02	1	3	7	2	5	3	1	6	0
	1130	221	1007.9	983.6	..	33.2	26.6	23.5	29.7	58	..	2.2	..	6.6	0	0	26	04	0	4	3	3	3	5	3	4	1
	1430	221	1005.7	981.6	..	35.8	27.9	24.1	31.7	54	..	2.2	..	9.8	0	0	27	04	2	3	0	0	3	7	7	3	1
	1730	221	1004.3	980.2	-0.5	35.0	27.3	23.9	30.4	54	+27	2.5	+0.8	8.5	0	2	25	07	2	2	1	1	2	3	9	3	0
	2330	221	1007.0	982.1	..	25.5	21.1	18.5	21.5	66	..	1.3	..	5.5	0	0	24	07	4	8	0	0	0	2	3	6	0
NEW DELHI/SAFDARJUNG	0230	216	1006.0	981.6	..	25.3	17.0	9.9	12.7	40	..	1.5	..	9.5	0	3	23	06	0	3	3	0	0	7	7	4	0
	0530	216	1006.5	981.9	..	23.3	16.2	10.3	12.9	45	..	1.9	..	7.8	0	3	21	01	2	2	2	2	0	6	9	6	0
	0830	216	1008.0	983.7	+0.5	26.6	17.5	10.3	12.8	37	+ 5	2.0	+0.5	37.1	1	1	27	03	2	3	2	3	1	9	6	1	0
	1130	216	1007.7	983.9	..	33.7	19.8	8.9	11.8	23	..	2.5	..	16.3	0	9	21	01	2	4	2	4	1	5	9	0	2
	1430	216	1005.1	981.5	..	35.9	19.6	5.9	9.3	16	..	2.7	..	36.2	1	9	20	02	0	3	1	1	4	5	13	0	1
	1730	216	1003.9	980.3	+0.6	34.9	19.0	5.1	9.1	16	+ 0	3.6	+1.3	17.3	0	9	21	02	4	0	1	1	2	6	14	0	0
	2030	216	1005.6	981.6	..	30.2	18.2	7.9	11.1	26	..	2.0	..	10.1	0	4	23	07	3	4	0	0	1	2	10	3	0
	2330	216	1006.7	982.5	..	27.3	17.5	9.2	12.1	33	..	1.9	..	9.5	0	1	27	04	6	4	2	1	0	2	9	2	0
PALAM AERODROME	0230	233	1006.4	980.1	..	24.9	16.2	8.1	11.3	37	..	1.3	..	9.0	0	3	20	03	4	2	5	1	1	2	5	7	0
	0530	233	1006.7	980.2	..	22.3	15.3	9.0	11.8	44	..	1.8	..	6.4	0	1	19	02	2	2	2	3	3	2	4	10	0
	0830	233	1008.1	981.9	..	26.7	17.2	9.4	12.1	35	..	2.2	..	12.5	0	6	20	03	2	0	4	3	2	7	5	3	0
	1130	233	1007.7	982.2	..	34.0	19.0	5.4	9.9	19	..	2.1	..	17.1	0	13	17	04	2	1	5	2	2	3	11	0	0
	1430	233	1005.1	979.9	..	36.3	19.2	3.7	8.3	13	..	2.1	..	20.0	0	13	17	05	1	4	0	3	1	4	12	0	0
	1730	233	1004.0	978.6	..	35.4	19.0	4.2	8.7	16	..	3.0	..	18.5	0	13	17	10	2	2	2	1	2	0	11	0	0
	2030	233	1005.7	979.9	..	30.3	17.8	6.9	10.3	24	..	2.1	..	10.7	0	4	23	08	9	3	3	0	1	0	3	3	0
	2330	233	1006.8	980.7	..	27.5	17.0	7.9	11.0	32	..	1.4	..	10.4	0	2	25	08	5	3	7	0	1	2	1	3	0
GURGAON	0830		..	..	..	25.2	16.3	8.5	11.4	37	..	1.6	..	2.6	0	0	23	01	1	2	2	3	2	8	4	7	0
	1730		..	..	..	35.5	19.8	6.5	10.4	19	..	2.8	..	4.9	0	0	23	00	0	1	4	0	4	8	6	3	0
KARNAUL	0830	308	1009.3	975.1	..	29.0	20.0	13.8	16.0	43	..	0.3	..	3.9	0	0	29	00	3	0	3	3	15	0	5	0	0
	1730	308	1005.7	972.2	..	35.7	23.1	15.2	17.5	31	..	0.5	..	4.6	0	0	29	00	5	0	2	3	13	0	6	1	0
ROHTAK	0830		..	..	..	24.7	18.8	14.9	17.0	55	..	1.9	..	10.7	0	0	30	00	1	5	3	5	4	10	1	0	1
	1730		..	..	..	33.4	22.6	16.1	19.4	37	..	1.7	..	14.3	1	1	28	01	1	4	5	3	2	9	3	0	2
PUNJAB																											
PATHANKOT	0530	312	1007.5	971.8	..	19.5	14.5	10.4	12.9	59	..	4.1	..	15.4	0	7	21	05	16	3	0	0	0	1	3	2	0
	0830	312	1008.8	973.6	+0.6	23.6	16.6	11.2	13.7	48	+14	4.1	+1.2	16.7	1	5	21	07	13	1	1	0	4	1	0	3	0
	1130	312	1008.6	974.0	..	29.0	18.4	10.2	12.9	34	..	4.3	..	18.8	2	5	23	04	8	3	3	4	2	2	4	0	0
	1730	312	1005.8	971.7	+0.5	29.8	18.0	7.8	11.2	29	+ 5	4.8	+0.7	24.1	1	12	17	03	4	0	3	2	4	11	3	0	0
	2330	312	1008.4	973.0	..	22.1	16.1	10.5	13.1	51	..	3.6	..	15.7	0	8	18	05	10	2	0	2	3	4	0	4	0
AMRITSAR	0530	234	1007.8	980.7	..	17.6	14.7	12.3	14.5	73	..	3.5	..	12.0	0	3	25	09	5	4	1	1	0	2	6	2	0
	0830	234	1008.9	982.2	+0.5	22.3	17.0	13.0	15.2	57	+ 9	3.4	+1.2	10.9	0	4	23	05	9	3	2	0	1	2	5	3	0
	1130	234	1009.1	982.9	..	28.4	19.0	12.1	14.4	39	..	3.4	..	14.3	0	7	19	02	3	2	3	3	0	4	9	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – APRIL 1969 CHAITRA 11 - VAISAKHA 10, 1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs: At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs: At station level	Mean pressure in mbs: Departure from normal	Mean temperature in °C: Dry Bulb	Mean temperature in °C: Wet Bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 62 or more	29 to 61	1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
PUNJAB (CONTD.)																											
AMRITSAR	1430	234	1007.2	981.2	..	30.5	18.9	9.5	12.6	32	..	4.0	..	16.1	0	13	14	04	4	1	1	0	1	7	9	3	0
	1730	234	1006.1	980.1	+1.0	30.0	18.8	10.3	13.0	36	+13	4.3	+1.7	13.5	0	7	19	03	3	1	0	1	2	6	10	4	0
	2030	234	1007.6	981.0	..	25.7	17.8	13.3	15.7	54	..	4.2	..	11.7	0	6	22	04	3	4	2	0	4	6	5	2	0
ADAMPUR AERODROME	0830	249	1008.0	979.9	..	24.4	17.3	11.7	14.0	46	..	3.9	..	15.4	0	5	18	03	5	5	1	1	0	1	7	1	0
	1730	249	1006.1	978.6	..	30.0	19.0	10.4	13.2	32	..	4.6	..	18.9	0	11	19	09	1	0	2	1	0	1	16	0	0
LUDHIANA	0830	247	1008.4	980.6	+0.5	25.2	17.4	11.3	13.8	44	- 3	2.7	+1.0	3.5	0	0	23	00	4	3	3	0	0	0	13	7	0
	1730	247	1005.3	978.1	+0.8	31.7	18.9	8.2	11.4	26	- 1	4.1	+1.9	4.1	0	0	24	00	7	1	3	0	1	0	12	6	0
FEROZEPUR	0830		..	..	..	23.4	18.6	15.1	17.6	62	+ 7	2.6	+1.2	2.8	0	0	22	09	2	1	1	1	0	2	6	8	0
	1730		..	..	..	31.2	20.9	13.6	16.6	40	+ 9	3.0	+1.3	1.9	0	0	20	10	3	0	0	1	0	0	6	10	0
HALWARA AERODROME	0530	242	1007.2	975.9	..	17.6	14.5	11.8	14.2	72	..	2.9	..	12.7	0	2	23	10	4	5	2	0	0	0	4	5	0
	0830	242	1008.1	980.8	..	24.3	17.6	12.4	14.7	50	..	3.2	..	17.1	0	6	20	06	2	3	3	1	2	2	7	4	0
	1130	242	1007.7	981.2	..	31.5	19.7	10.4	13.4	30	..	3.1	..	23.5	2	15	13	10	1	2	7	1	0	4	5	0	0
	1730	242	1005.3	978.6	..	31.1	19.6	10.7	13.7	32	..	4.1	..	20.3	0	16	13	07	0	1	0	2	2	4	13	1	0
	2330	242	1007.9	980.3	..	21.4	16.1	11.7	14.3	58	..	2.2	..	18.7	0	8	20	09	5	1	1	1	0	4	7	2	0
PATIALA	0830	251	1008.4	979.7	-0.2	24.0	17.6	12.6	15.0	51	+11	2.4	+0.5	6.8	0	2	11	00	0	0	4	0	0	0	9	17	0
	1730	251	1005.1	977.5	+0.6	31.2	20.4	11.8	15.5	35	+15	4.1	+1.3	10.0	0	4	14	00	0	0	3	0	0	0	15	12	0
BHATINDA	0830	211	1008.6	984.9	..	27.2	18.8	12.6	14.9	42	- 9	0.9	-0.4	3.8	0	1	19	01	6	0	7	0	0	0	6	10	0
	1730	211	1005.2	982.0	..	33.5	20.3	10.6	13.2	26	-11	0.9	-0.9	2.8	0	0	24	09	5	0	0	0	0	1	9	6	0
HIMACHAL PRADESH																											
MANDI	0830	761	1012.3	927.2	+2.1	18.5	15.8	13.9	16.2	76	+ 9	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	761	1006.2	923.6	+1.5	26.2	19.1	14.3	17.1	51	+13	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BILASPUR	0830	493	1009.5	943.9	-0.2	21.6	17.8	15.4	17.9	69	+16	2.9	+0.1	23.3	1	1	9	02	3	0	2	1	2	0	1	[illegible]	0
	1730	493	1005.3	941.7	+0.8	29.5	22.5	18.6	22.7	54	+29	4.5	+0.8	4.3	0	1	19	02	4	1	2	0	7	1	3	10	0
JAMMU AND KASHMIR																											
MISGAR	0830		(R)																								
	1730		(R)																								
GILGIT	0830		(R)																								
	1730		(R)																								
SKARDU	0830		(R)																								
	1730		(R)																								
LEH	0530	3514	(R)																								
	0830	3514	3119.0	667.6	+0.2	6.1	1.7	- 4.3	4.3	49	- 1	3.8	+0.1	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	3514	3079.0	664.8	+0.2	10.0	4.2	- 2.3	5.1	43	+11	5.3	+0.4	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SRINAGAR	0230	1587	1507.5	842.1	..	9.2	7.9	6.5	9.9	84	..	4.5	..	2.7	0	0	20	00	0	0	4	0	0	1	15	10	0
	0530	1587	1506.0	841.9	..	8.0	7.2	6.3	9.7	90	..	4.9	..	2.8	0	0	21	01	0	0	6	0	0	1	13	9	0
	0830	1587	1516.3	843.0	+0.0	9.0	8.0	6.4	9.7	81	+ 4	4.7	+0.7	2.9	0	0	22	00	0	0	15	0	1	0	6	8	0
	1130	1587	1517.1	843.1	..	1[illegible]	10.2	6.6	10.0	63	..	4.9	..	2.9	0	0	24	00	1	0	8	0	1	2	12	6	0
	1430	1587	1491.8	841.8	..	1[illegible]	10.8	6.0	9.5	56	..	5.1	..	3.4	0	0	26	01	1	0	2	0	0	2	20	4	0
	1730	1587	1496.5	841.1	+0.7	15.[illegible]	10.0	5.2	9.2	57	+ 4	5.6	+0.4	4.8	0	0	28	02	0	0	1	0	0	2	23	2	0
	2030	1587	1505.5	842.0	..	12.3	9.2	6.6	9.4	72	..	4.5	..	3.2	0	0	21	00	0	0	3	0	0	1	17	9	0
	2330	1587	1510.4	842.4	..	10.1	8.3	6.4	10.0	80	..	4.1	..	1.7	0	0	16	01	0	0	2	0	0	0	13	14	0
SRINAGAR AERODROME	0530	1666	1508.2	834.0	..	6.9	5.6	4.1	8.5	83	..	4.5	..	5.2	0	0	19	00	0	0	0	6	5	6	2	1[illegible]	0
	0830	1666	1517.2	835.0	..	10.1	7.9	5.7	9.3	76	..	4.8	..	6.3	0	0	21	00	4	1	0	6	1	4	5	9	0
	1130	1666	1519.4	835.4	..	13.5	9.6	6.1	9.6	64	..	5.0	..	9.8	0	4	25	07	6	3	0	2	1	5	4	1	1
	1730	1666	1501.3	833.3	..	14.[illegible]	9.5	4.5	8.8	58	..	5.7	..	15.1	0	8	21	02	1	0	2	2	2	13	7	1	0
	2330	1666	1514.2	834.6	..	9.[illegible]	7.0	5.0	8.9	77	..	4.0	..	8.2	0	1	22	00	0	2	0	10	4	5	1	7	1
GULMARG	0830																										
	1730																										
QAZIGUND	0830		..	..	..	9.5	7.5	5.6	9.2	78	..	4.5	..	4.3	0	1	22	00	5	1	0	9	2	6	0	7	0
	1730		..	..	..	15.2	10.8	7.5	10.8	62	..	5.4	..	6.2	0	2	21	00	1	0	0	4	5	13	0	7	0
BANIHAL	0830		1499.6	836.9	..	12.3	8.9	5.7	9.4	67	..	4.0	..	1.7	0	1	4	05	0	0	0	0	0	0	0	25	0
	1730		1476.6	835.0	..	16.[illegible]	11.2	6.6	10.0	54	..	5.1	..	2.2	0	0	8	03	0	0	0	5	0	0	0	22	0
JAMMU	0830		..	..	..	[illegible]	..	..	..	.	..	.	..	4.2	0	0	25	01	15	0	2	0	3	0	4	1	0
	1730		..	..	..	29.2	..	..	..	.	..	.	..	3.1	0	0	28	01	10	0	1	1	8	0	7	0	0
JAMMU AERODROME	0530	292	1007.9	974.3	..	[illegible]	14.6	9.8	12.3	54	..	3.6	..	7.3	0	2	16	03	13	0	0	0	2	0	0	12	0
	0830	292	1009.0	975.7	..	[illegible]	16.1	9.9	12.4	44	..	3.8	..	8.7	0	2	23	04	14	1	3	0	1	0	2	5	0
	1130	292	1009.3	976.6	..	2[illegible].8	18.0	9.2	12.0	33	..	4.4	..	11.3	0	3	27	02	6	1	1	7	6	1	6	0	0
	1730	292	1006.0	973.7	..	[illegible]	18.0	8.2	11.2	29	..	4.3	..	10.5	0	3	23	04	7	1	1	2	1	7	3	4	0
	2330	292	1008.7	975.3	..	[illegible]	15.9	10.7	13.0	49	..	3.2	..	6.3	0	0	19	03	10	3	0	1	0	0	2	12	0
GULMARG (RESEARCH INSTITUTE)	0830	2655	3104.3	740.0	..	[illegible]	2.7	- 0.8	6.0	73	..	4.9	..	4.6	0	2	28	01	0	5	0	0	0	16	5	0	3

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1959 (CHAITRA 11 - VAISAKHA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lst. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															42 or more	20 to 41	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD.)																											
GULMARG (RESEARCH INSTITUTE)	1130	2655	3113.4	740.6	..	6.6	4.2	1.0	6.8	74	..	6.0	..	3.4	0	0	30	00	0	5	1	1	1	17	3	0	2
	1730	2655	3101.4	739.5	..	5.9	3.8	1.1	6.9	77	..	5.9	..	3.6	0	0	30	00	1	4	0	0	1	21	2	0	1
RAJASTHAN, WEST																											
GANGANAGAR	0530	177	1007.0	986.7	..	20.4	15.2	10.9	13.2	56	..	0.7	..	0.9	0	0	4	02	2	0	0	0	0	0	0	26	0
	0830	177	1008.4	988.2	+0.6	24.0	16.7	10.7	13.2	45	+ 4	1.7	+0.4	3.3	0	0	19	02	5	2	5	0	2	0	3	11	0
	1130	177	1008.4	988.7	..	31.5	19.0	8.9	11.7	27	..	2.5	..	2.7	0	0	13	00	2	2	3	0	0	1	5	17	0
	1730	177	1004.7	985.3	+0.7	33.9	19.4	7.5	10.8	21	- 1	2.4	+1.0	1.6	0	0	13	06	2	0	0	0	1	0	4	17	0
	2330	177	1007.4	987.6	..	25.6	17.3	10.5	13.0	41	..	1.5	..	1.7	0	0	9	03	2	0	1	0	0	0	3	21	0
ANUPGARH	0830	154	1008.6	991.1	..	24.2	17.3	12.2	14.4	49	..	0.3	..	3.3	0	0	25	00	6	8	6	0	1	0	4	5	0
	1730	154	1005.4	988.4	..	33.3	23.3	17.5	20.8	43	..	0.1	..	4.1	0	0	28	03	1	3	1	1	1	0	18	2	0
CHURU	0830	291	1008.3	975.7	-0.4	26.4	19.7	14.6	18.1	52	+12	1.0	-0.7	7.1	0	0	27	02	0	5	4	5	5	3	3	3	0
	1730	291	1003.8	972.2	-0.7	36.1	25.3	18.1	20.8	41	+20	1.6	-1.2	11.5	0	5	25	11	1	0	0	0	2	10	6	0	0
BIKANER	0830	224	1008.3	983.2	+0.6	27.5	18.0	9.9	13.3	36	+ 7	1.0	+0.2	7.0	0	0	29	01	0	1	3	7	13	1	3	1	0
	1730	224	1004.3	980.0	+0.8	36.4	20.9	7.7	10.5	21	+ 6	2.9	+1.4	8.1	0	0	29	04	3	1	0	0	9	7	5	1	0
BIKANER P.B.O.	0530	224	1006.7	981.3	..	23.1	16.3	10.4	13.3	47	..	1.6	..	3.3	0	0	18	01	4	2	1	1	5	4	0	12	0
	1130	224	1007.9	983.3	..	34.7	20.9	10.7	13.7	25	..	1.0	..	6.9	0	0	28	03	3	2	3	2	4	8	3	2	0
	1430	224	1005.4	981.1	..	37.7	21.9	10.3	13.6	21	..	1.9	..	8.4	0	1	29	01	5	0	1	0	8	11	4	0	0
	2030	224	1005.6	980.9	..	31.9	19.8	10.6	13.6	29	..	0.8	..	5.3	0	1	16	07	3	1	0	1	0	3	2	13	0
	2330	224	1006.8	981.8	..	28.4	18.5	10.7	13.4	34	..	0.8	..	4.8	0	0	16	06	3	0	2	1	2	1	1	14	0
NAGAUR	0830	298	1008.1	975.0	-0.1	28.5	17.9	8.9	12.3	35	- 1	0.8	-0.7	7.3	0	0	27	01	3	2	4	9	6	1	1	3	0
	1730	298	1003.8	971.6	-0.2	36.6	22.5	12.6	15.3	25	+ 3	1.9	-0.7	8.4	0	0	29	04	1	0	0	4	9	6	5	1	0
PHALODI	0830	234	1008.7	982.4	+0.2	27.3	17.1	7.7	11.3	31	-12	0.9	-0.3	9.4	0	2	26	01	2	2	5	9	7	2	0	0	0
	1730	234	1005.5	980.2	+0.8	37.7	21.0	8.3	11.4	18	- 8	1.9	-0.2	12.4	0	4	25	02	2	1	0	2	6	10	6	1	0
JAISALMER	0830	242	1007.4	980.3	-0.7	26.0	18.2	12.0	15.0	45	-11	1.1	+0.4	10.4	0	6	20	01	4	1	5	3	9	1	2	4	0
	1730	242	1003.3	977.4	-0.2	37.9	25.1	17.4	21.4	32	- 7	0.8	-0.5	13.1	0	8	21	02	3	0	1	6	9	4	4	0	0
JODHPUR	0230	224	1006.4	981.3	..	28.1	16.4	4.9	9.4	24	..	0.6	..	11.0	0	1	27	05	10	2	0	0	4	6	1	2	0
	0530	224	1006.8	981.6	..	25.1	15.1	5.0	9.4	29	..	0.4	..	9.6	0	0	29	01	13	4	2	0	5	4	0	1	0
	0830	224	1008.6	983.5	+0.0	27.3	16.6	6.7	10.4	28	- 3	1.4	+0.1	9.1	0	1	27	01	6	5	3	1	7	3	2	2	0
	1130	224	1008.2	983.9	..	36.2	19.3	3.8	8.6	15	..	1.1	..	12.9	0	4	24	02	1	3	2	3	8	5	3	2	1
	1430	224	1005.4	981.2	..	39.7	19.8	0.4	6.3	12	..	1.2	..	16.4	0	7	23	04	2	2	0	0	8	11	3	0	0
	1730	224	1003.8	979.6	-0.1	38.6	19.6	1.7	7.3	11	- 4	1.1	-0.9	15.5	0	8	22	02	1	2	0	0	7	11	7	0	0
	2030	224	1005.3	980.7	..	33.8	18.8	5.7	9.5	18	..	1.3	..	10.7	0	1	25	04	3	0	0	0	9	8	2	4	0
	2330	224	1006.7	981.8	..	30.6	17.2	4.3	8.8	20	..	0.9	..	11.2	0	1	27	05	9	1	0	0	3	7	3	2	0
BARMER	0530	194	1005.7	984.4	..	29.3	16.3	2.9	8.1	21	..	0.2	..	7.3	0	3	18	02	1	1	0	0	1	10	6	8	0
	0830	194	1007.5	985.8	-0.5	29.0	16.6	3.6	8.6	22	-24	0.8	-0.4	5.7	0	0	23	03	4	1	0	3	5	5	2	7	0
	1130	194	1007.6	986.3	..	36.1	18.9	2.2	7.8	14	..	0.8	..	7.3	0	0	29	01	4	3	0	5	5	7	4	1	0
	1730	194	1003.2	982.3	-0.5	40.0	20.1	1.3	7.4	11	-14	0.7	-1.0	7.9	0	1	28	03	2	1	0	2	8	7	6	1	0
	2330	194	1006.0	984.8	..	33.3	17.8	2.3	8.1	16	..	0.4	..	7.7	0	2	22	04	1	0	0	0	8	6	5	6	0
JAWAI BANDH	0830	295	1009.0	976.2	-0.1	27.2	17.7	9.6	12.6	35	-14	2.1	+0.5	3.9	0	0	27	00	1	1	10	7	6	0	2	3	0
	1730	295	1005.6	973.5	+0.7	36.2	20.3	7.8	11.0	19	-16	2.9	+0.6	6.8	0	0	29	04	0	0	0	2	6	6	11	1	0
JALORE	0830		..	..	..	28.0	17.6	8.3	12.1	32	..	1.0	..	5.9	0	1	26	00	6	0	4	3	7	1	6	3	0
	1730		..	..	..	38.9	21.5	7.7	11.8	17	..	0.4	..	11.8	0	5	25	01	2	0	2	0	12	2	11	0	0
RAJASTHAN, EAST																											
PILANI	0830	301	1008.5	974.6	-0.7	23.9	15.0	6.2	10.0	35	+ 3	1.7	+0.8	8.5	0	2	25	01	1	1	5	5	8	4	2	3	0
	1730	301	1004.0	971.4	-1.7	35.2	17.9	- 0.7	6.5	12	- 7	2.4	+0.9	13.0	0	5	25	05	2	1	1	0	3	8	10	0	0
SIKAR	0830	433	1007.8	959.7	-0.4	25.0	16.3	9.6	11.9	43	- 7	0.4	-0.9	0.1	0	0	2	00	0	0	0	0	0	2	0	28	0
	1730	433	1001.0	954.7	-2.6	35.6	20.2	8.1	11.6	20	-17	1.0	-1.4	1.2	0	0	16	00	0	0	0	0	0	10	6	14	0
ALWAR	0830	271	1007.8	977.4	-0.2	27.4	20.5	16.2	18.7	51	+11	1.9	+0.3	0.8	0	0	9	02	2	0	0	0	1	0	4	21	0
	1730	271	1002.9	973.6	-1.1	36.0	24.1	17.3	20.5	34	+11	1.9	-1.0	3.1	0	0	29	03	1	2	0	0	3	9	11	1	0
JAIPUR (SANGANER)	0230	390	1006.1	962.6	..	24.9	15.0	5.0	9.2	29	..	0.6	..	5.5	0	1	18	02	4	0	1	0	0	4	8	11	0
	0530	390	1006.7	962.8	..	22.8	14.4	5.7	9.7	35	..	1.1	..	5.9	0	1	24	03	5	1	1	0	1	3	11	5	0
	0830	390	1007.8	964.7	-0.4	28.5	17.0	6.6	10.3	27	- 2	1.8	+0.6	5.0	0	0	16	00	6	4	0	0	1	2	3	14	0
	1130	390	1007.2	965.0	..	34.7	18.6	3.0	8.6	16	..	1.6	..	11.8	0	7	22	00	1	4	4	0	7	9	4	1	0
	1430	390	1004.3	962.5	..	36.9	19.1	1.8	7.7	12	..	1.9	..	14.3	0	9	20	02	2	0	1	1	9	10	3	[illegible]	1
	1730	390	1003.0	961.1	-0.6	36.1	18.6	0.9	7.2	12	- 6	1.7	-0.4	15.1	0	9	20	01	1	0	1	1	7	11	7	[illegible]	0
	2030	390	1005.3	962.5	..	30.2	17.2	5.1	9.2	21	..	1.5	..	4.1	0	1	18	02	2	1	0	0	2	4	8	11	0
	2330	390	1006.5	963.3	..	27.1	16.0	5.2	9.3	26	..	0.8	..	5.2	0	2	14	03	5	0	0	0	2	1	5	14	0
DHOLPUR	0830	176	1007.4	987.7	-2.1	29.4	17.4	6.7	10.3	26	-16	0.4	-1.2	3.5	0	1	14	02	0	0	0	5	0	7	1	15	0
	1730	176	1003.0	983.9	-0.1	37.6	21.3	8.8	12.4	20	- 9	1.0	-1.0	8.1	0	5	18	01	0	2	1	1	1	16	1	7	0
AJMER	0830	486	1008.5	955.0	+0.1	27.5	16.3	7.0	10.6	29	- 2	2.7	+1.3	7.7	0	3	16	01	5	1	1	2	5	3	1	11	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — APRIL 1969 CHAITRA 11 - VAISAKHA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb: At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mb: At station level	Mean pressure in mb: Departure from normal	Mean temperature in °C: Dry Bulb	Mean temperature in °C: Wet Bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 62 or more	20 to 61	1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN, EAST (CONTD.)																											
AJMER	1730	486	1003.4	951.8	+0.2	36.2	17.6	1.0	6.8	12	- 5	1.8	-0.3	15.8	0	9	21	01	1	0	0	0	8	9	11	0	0
TONK	0830	272	1007.7	977.2	-0.3	28.5	16.6	5.2	9.5	24	-18	0.4	-1.1	5.2	0	0	30	01	2	1	2	4	2	8	10	0	0
	1730	272	1002.5	973.2	-0.2	37.7	19.5	3.0	7.9	12	-16	0.7	-1.8	7.5	0	0	30	01	1	0	1	0	5	13	9	0	0
BHILWARA	0830	425	1009.3	962.3	..	28.3	16.5	5.6	9.5	25	..	0.3	..	3.9[d]	0	1	20	01	3	2	1	1	10	0	3	6	0
	1730	425	1004.0	958.6	..	37.2	19.6	4.4	8.5	13	..	1.1	..	7.2[d]	0	0	26	01	7	1	0	1	9	1	6	1	0
KOTA	0830	257	1008.3	979.7	-0.0	..	..	..	..	..	..	1.6	+0.3	3.1	0	1	8	00	2	1	0	0	0	1	5	21	0
	1730	257	1003.7	975.8	+0.0	..	..	..	..	..	..	1.7	-0.3	7.6	0	5	18	02	2	1	0	0	1	2	15	7	0
KOTA AERODROME	0530	274	1006.7	976.0	..	26.0	13.9	- 0.3	6.3	18	..	0.2	..	5.1	0	0	28	00	2	2	0	2	13	7	2	2	0
	0830	274	1008.4	978.1	..	30.5	16.5	1.4	7.5	18	..	0.7	..	9.5	0	5	22	03	3	3	2	0	2	9	5	3	0
	1130	274	1008.0	978.3	..	35.9	18.3	- 0.9	6.6	12	..	0.9	..	14.1	0	6	24	02	7	5	1	2	2	3	8	0	0
	1730	274	1003.4	973.9	..	38.1	18.4	- 3.7	5.2	8	..	1.7	..	14.3	0	8	22	06	5	1	0	1	0	8	9	0	0
	2330	274	1006.7	976.4	..	30.4	15.7	- 1.2	6.0	14	..	0.2	..	11.8	0	6	22	01	1	1	2	0	9	10	4	2	0
CHAMBAL (RAWAT BHATTA DAM)	0830	351	1008.6	969.7	-0.4	28.3	17.9	9.0	12.2	32	- 1	0.2	-1.2	2.8	0	1	8	01	0	0	1	1	4	2	0	21	0
	1730	351	1003.3	965.7	-0.6	37.4	21.4	9.8	12.9	20	- 7	0.5	-2.1	12.5[b]	0	5	24	03	0	0	0	1	17	1	7	0	0
UDAIPUR	0230	582	1007.8	943.5	..	24.4	15.7	8.9	11.7	37	..	0.0	..	1.1	0	0	9	00	1	0	0	0	3	2	3	21	0
	0530	582	1008.2	943.5	..	22.5	14.9	8.9	11.6	42	..	0.3	..	0.6	0	0	3	00	0	0	0	0	0	2	1	27	0
	0830	582	1008.9	945.3	-0.1	28.0	17.4	9.7	12.3	32	- 2	0.9	-0.5	1.5	0	0	9	00	1	0	0	0	2	0	6	21	0
	1130	582	1007.7	945.4	..	34.6	18.8	7.0	10.3	19	..	1.5	..	6.1	0	0	30	02	1	6	4	3	7	3	4	0	0
	1730	582	1003.7	941.9	-0.1	35.8	19.5	7.5	10.7	19	- 4	1.9	-0.4	5.8	0	0	27	00	4	2	1	0	7	9	4	3	0
	2330	582	1007.9	944.1	..	26.7	16.7	11.5	13.6	46	..	0.6	..	1.9	0	0	8	01	0	0	0	1	3	2	1	22	0
JHALAWAR	0830	321	1009.8	974.3	+1.6	29.3	15.8	0.5	7.2	17	-11	0.8	-0.2	3.8[g]	0	0	15	01	3	0	1	0	5	4	1	9	0
	1730	321	1003.0	968.7	+0.3	38.5	18.4	- 5.2	5.3	7	- 8	0.9	-0.9	10.7	0	5	24	05	1	0	0	0	10	9	4	1	0
BANSWARA	0830	220	1009.1	984.6	..	39.9	22.7	18.4	22.2	53	..	0.0	..	2.3	0	0	30	00	1	4	7	2	14	2	0	0	0
	1730	220	1004.1	980.3	..	39.0	24.8	16.8	19.9	28	..	0.0	..	3.2	0	0	30	02	1	0	0	0	10	12	5	0	0
DUNGARPUR	0830		..	..	..	[illegible]	17.8	8.2	11.5	29	..	0.4	..	0.6[b]	0	0	7	00	1	0	0	0	1	3	2	22	0
	1730		..	..	..	[illegible]	19.1	1.0	6.9	11	..	1.0	..	2.0[b]	0	0	19	00	0	1	0	0	9	4	5	10	0
MADHYA PRADESH, WEST																											
GWALIOR	0230	207	1006.0	982.6	..	24.9	15.5	6.8	10.3	33	..	0.5	..	3.8	0	1	15	01	0	0	1	4	2	2	6	14	0
	0530	207	1006.5	983.0	..	23.4	15.0	7.0	10.4	36	..	1.0	..	3.7	0	1	18	00	0	0	2	3	4	4	6	11	0
	0830	207	1008.0	985.0	+0.2	[illegible]	18.2	7.9	11.1	26	+ 5	1.0	-0.3	7.3	0	0	30	04	0	0	3	10	1	3	9	0	0
	1130	207	1007.4	984.9	..	[illegible]	20.1	6.7	10.2	17	..	1.2	..	9.6	0	0	28	02	0	5	3	3	2	3	10	2	0
	1430	207	1004.6	982.3	..	38.7	20.5	5.2	9.4	14	..	1.5	..	10.5	0	1	29	01	1	1	2	2	1	7	15	0	0
	1730	207	1003.3	980.9	+0.1	37.5	20.3	5.8	9.8	16	+ 6	1.8	-0.1	9.4	0	0	30	06	2	0	1	1	1	6	13	0	0
	2030	207	1005.3	982.5	..	[illegible]	18.6	7.9	11.0	24	..	1.4	..	5.1	0	0	21	04	2	1	1	1	0	4	8	9	0
	2330	207	1006.6	983.4	..	[illegible]	16.6	6.8	10.4	29	..	1.1	..	6.2	0	1	23	02	2	0	3	5	2	3	7	6	0
SHEOPUR	0830	235	1008.5	982.2	-0.2	[illegible]	15.7	4.5	8.8	24	- 3	2.0	+0.1	5.1	0	0	25	01	3	1	4	7	4	2	3	5	0
	1730	235	1003.1	977.8	+0.1	[illegible]	20.7	6.7	10.6	16	+ 3	1.5	-1.2	9.5	0	0	30	01	[illegible]	0	0	1	5	7	13	0	0
SHIVPURI	0830	464	1008.1	957.2	..	[illegible]	16.2	5.0	9.9	22	..	0.2	..	4.6	0	0	25	00	1	8	2	5	3	6	0	5	0
	1730	464	1002.8	953.2	..	36.2	18.6	4.5	9.0	15	..	1.8	..	10.4	0	2	28	05	1	0	0	0	3	14	7	0	0
NOWGONG	0830	229	1008.5	982.9	+0.1	28.4	16.8	6.2	9.9	25	- 8	0.6	-0.9	3.7	0	0	23	03	0	3	2	3	6	5	1	7	0
	1730	229	1003.3	978.7	+0.2	[illegible]	19.6	1.7	7.4	11	- 9	1.2	-1.1	7.5	0	0	30	03	2	0	1	0	3	14	7	0	0
GUNA	0530	478	1007.7	954.1	..	22.2	13.3	4.8	9.1	34	..	0.5	..	3.3	0	0	22	00	1	5	5	0	4	5	2	8	0
	0830	478	1008.2	955.9	+0.1	[illegible]	16.6	3.9	9.1	21	- 6	1.1	-0.1	6.1	0	0	29	01	3	10	0	4	1	10	0	1	0
	1130	478	1007.0	955.9	..	36.5	18.4	3.0	8.0	13	..	1.1	..	9.8	0	5	25	07	1	5	1	2	2	6	6	0	0
	1430	478	1003.9	953.2	..	[illegible]	18.9	2.1	7.6	11	..	1.5	..	11.8	0	8	22	09	1	0	0	2	2	9	7	0	0
	1730	478	1002.6	951.7	-0.4	[illegible]	18.1	0.7	6.7	11	- 4	2.6	+0.5	13.9	0	7	23	04	0	0	1	0	4	11	10	0	0
	2330	478	1007.3	954.5	..	[illegible]	15.1	4.5	8.8	25	..	0.4	..	4.5	0	1	21	04	2	1	0	2	2	8	3	8	0
NIMACH	0830	496	1009.3	954.9	+0.2	[illegible]	15.8	3.3	8.4	21	- 9	1.2	-0.2	4.8	0	0	22	00	8	2	0	0	6	5	1	8	0
	1730	496	1004.1	951.3	-0.1	[illegible]	17.6	- 1.2	6.0	10	- 8	3.4	+0.9	11.7	0	5	25	00	6	1	0	1	5	16	1	0	0
RAJGARH	0830	382	1008.7	966.5	+0.2	[illegible]	17.8	8.6	11.7	31	+ 4	0.3	-1.1	4.7	0	0	27	08	2	0	3	7	0	7	0	3	0
	1730	382	1003.0	962.3	-0.2	[illegible]	21.5	8.0	12.0	18	+ 3	0.3	-2.4	7.6	0	0	28	08	3	1	0	1	1	9	5	2	0
SAGAR	0830	551	1009.2	948.0	+0.4	[illegible]	15.5	9.0	11.5	40	+16	0.5	-1.0	5.7	0	0	30	00	4	5	0	0	6	11	4	0	0
	1730	551	1004.0	944.4	+0.5	[illegible]	21.5	16.6	19.0	44	+28	0.3	-2.3	7.5	0	0	30	00	9	10	0	0	2	6	3	0	0
RATLAM	0830	486	1009.0	955.6	+0.1	[illegible]	19.4	13.2	16.0	40	+ 1	1.2	-0.6	11.5	0	5	25	01	6	4	0	1	7	9	2	0	0
	1730	486	1003.5	951.8	+0.0	[illegible]	22.7	13.7	16.9	27	+ 4	1.7	-1.2	15.1	0	12	17	01	1	2	0	0	4	14	7	1	0
BHOPAL (BAIRAGARH)	0230	528	1006.5	948.8	..	[illegible]	13.4	0.1	6.4	19	..	1.1	..	8.9	0	0	26	06	4	3	0	0	2	7	4	4	0
	0530	528	1007.2	949.2	..	[illegible]	13.1	1.4	7.1	24	..	1.1	..	6.6	0	0	19	01	3	1	5	0	0	5	3	11	0
	0830	528	1008.4	951.4	+0.0	[illegible]	16.1	3.5	8.4	20	- 5	1.1	-0.1	11.3	0	2	25	03	4	5	3	0	1	8	3	3	0
	1130	528	1007.1	951.2	..	36.0	18.1	2.4	7.7	13	..	1.2	..	13.1	0	6	20	03	2	4	2	1	3	4	6	4	0
	1430	528	1003.6	948.4	..	38.2	18.7	2.1	7.4	11	..	2.0	..	14.0	0	7	22	03	0	2	1	2	6	9	6	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1959 CHAITRA 11 - VAISAKHA 10, 1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, WEST(CONTD)																											
BHOPAL(BAIRAGARH)	1730	528	1002.4	947.0	-0.2	37.6	18.2	0.7	6.7	10	- 4	2.8	+0.5	15.6	0	9	20	04	2	0	0	0	6	8	9	1	0
	2030	528	1005.3	948.8	..	31.4	15.9	1.2	6.8	15	..	1.9	..	8.0	0	0	24	07	1	0	0	1	2	8	5	6	0
	2330	528	1006.9	949.6	..	28.1	14.5	0.8	6.7	18	..	1.5	..	8.0	0	0	23	07	3	1	1	0	0	6	5	7	0
UJJAIN	0830	489	1009.3	955.1	..	26.3	16.4	8.3	11.6	34	..	1.1	..	6.5	0	3	15	00	1	4	0	0	1	9	3	12	0
	1730	489	1003.1	951.1	..	37.3	19.2	5.2	9.2	14	..	2.3	..	14.1	0	10	16	02	2	0	0	0	1	13	8	4	0
NARSINGHPUR	0830	356	1008.3	968.9	..	29.1	17.7	7.9	11.2	28	..	0.6	..	2.7	0	0	25	00	7	0	3	0	2	13	0	5	0
	1730	356	1002.1	964.2	..	39.1	21.7	8.4	12.1	20	..	2.1	..	2.1	0	0	29	01	7	0	0	0	8	6	7	1	0
HOSHANGABAD	0830	302	1009.3	975.8	+0.8	29.7	17.0	4.4	8.9	22	- 6	0.6	-1.3	2.5	0	0	30	00	1	0	10	1	12	0	6	0	0
	1730	302	1003.0	970.7	+0.6	39.4	20.7	3.7	9.4	13	- 2	0.8	-2.4	2.4	0	0	30	00	3	0	4	0	11	0	12	0	0
INDORE	0530	567	1007.7	944.8	..	23.4	14.0	5.0	9.4	32	..	0.8	..	11.6	0	2	25	01	4	2	0	2	7	9	2	3	0
	0830	567	1008.6	946.7	+0.2	28.5	17.1	7.7	11.2	30	+ 0	0.9	-0.4	15.3	0	7	20	00	4	5	0	1	5	10	2	3	0
	1130	567	1007.2	946.7	..	35.4	18.8	6.3	10.0	18	..	1.0	..	15.7	0	7	21	04	4	3	1	4	8	2	2	2	0
	1730	567	1002.5	942.6	-0.1	37.1	18.8	3.7	8.3	13	- 2	1.5	-0.7	20.6	0	13	17	07	2	0	0	0	8	8	5	0	0
	2330	567	1007.3	945.3	..	27.6	15.3	3.8	8.6	23	..	0.9	..	11.7	0	1	25	00	3	1	0	1	4	13	4	4	0
RAJPUR(JHABUA)	0830	109	1009.8	977.1	-0.2	27.7	18.6	10.6	14.7	39	- 5	2.6	+0.8	5.8	0	0	18	00	0	0	0	0	6	12	0	11	0
	1730	109	1004.3	972.9	+0.0	38.5	19.5	0.8	7.5	12	- 7	1.6	-0.8	6.4	0	0	21	00	0	0	0	0	5	15	1	9	0
CHHINDWARA	0830	685	1008.1	934.1	+0.0	29.5	18.4	10.8	13.3	33	- 1	0.6	-1.5	5.9	0	0	29	00	5	16	0	1	4	1	2	1	0
	1730	685	1001.8	929.8	-0.2	36.7	20.9	10.7	13.8	22	+ 0	2.3	-1.0	4.1	0	0	29	02	2	20	1	1	1	2	0	1	0
SEONI	0830	619	1008.2	941.1	+0.4	29.2	17.0	7.1	10.5	26	- 7	1.1	-0.9	6.1	0	0	22	03	1	1	2	2	7	1	5	8	0
	1730	619	1001.8	936.7	-0.1	36.8	19.0	4.2	9.0	15	- 9	2.5	-0.9	10.5	0	3	27	07	1	1	2	2	4	4	9	0	0
BETUL	0830	653	1008.2	937.7	+0.1	30.5	16.4	3.7	8.5	20	-11	1.0	-0.8	6.1	0	0	26	02	4	5	2	1	0	5	7	4	0
	1730	653	1001.7	933.1	-0.4	37.2	18.1	0.8	6.7	11	- 8	2.7	-0.5	6.7	0	0	30	02	2	0	0	1	3	10	12	0	0
KHANDWA	0830	318	1008.7	973.4	+0.1	29.3	19.0	10.8	13.9	33	+ 4	0.3	-1.1	4.2	0	0	25	00	5	1	1	0	2	10	6	5	0
	1730	318	1002.2	968.3	-0.3	40.2	23.0	11.0	14.1	20	+ 4	1.0	-1.5	5.9	0	0	29	04	2	0	0	0	10	3	10	1	0
TIKAMGARH	0830	346	1008.7	970.3	..	28.1	19.7	13.9	16.1	43	..	0.4	..	6.0	0	0	30	06	0	1	6	5	6	3	3	0	0
	1730	346	1003.5	966.4	..	37.2	23.6	15.3	17.9	27	..	1.3	..	10.0	0	2	28	10	4	1	2	3	3	4	3	0	0
MADHYA PRADESH, EAST																											
SATNA	0530	317	1006.6	970.9	..	24.0	14.0	3.3	8.2	27	..	0.4	..	1.7	0	1	11	02	1	1	1	0	0	6	1	18	0
	0830	317	1007.8	972.9	+0.4	30.9	17.0	3.0	8.1	18	-16	0.5	-0.9	2.5	0	0	24	00	2	4	0	4	4	9	1	6	0
	1130	317	1006.7	972.5	..	37.0	19.0	1.1	7.4	12	..	0.5	..	5.3	0	1	27	01	1	4	2	2	3	8	7	2	0
	1430	317	1003.5	969.6	..	39.0	19.0	- 3.0	5.8	8	..	1.0	..	7.0	0	2	26	02	0	2	0	2	3	13	6	2	0
	1730	317	1002.3	968.5	+0.0	38.2	18.7	- 2.1	5.8	9	-13	1.0	-1.2	3.7	0	0	29	01	0	4	0	0	0	13	11	1	0
	2330	317	1006.3	971.1	..	28.6	16.0	3.1	8.2	21	..	0.7	..	1.9	0	0	14	04	1	4	0	0	2	2	1	16	0
REWA	0830	299	1007.5	974.5	..	30.1	22.0	17.2	19.9	47	..	0.9	..	2.3	0	0	23	01	1	2	2	2	9	4	2	7	0
	1730	299	1002.4	970.4	..	38.3	26.1	20.0	24.1	36	..	2.5	..	2.5	0	0	27	03	3	0	0	0	0	5	16	3	0
SIDHI	0830	272	1007.2	977.2	+0.1	31.0	20.5	13.7	16.0	35	+ 1	0.0	-0.9	0.1	0	0	2	00	0	1	0	1	0	0	0	28	0
	1730	272	1002.2	972.9	-0.2	37.8	24.0	16.1	18.6	29	+11	0.5	-1.1	1.5	0	0	19	05	3	3	2	5	0	1	0	11	0
UMARIA	0830	459	1008.0	957.9	+0.5	30.9	19.8	12.5	15.1	34	+ 3	2.5	+0.7	3.6	0	0	27	05	2	5	5	1	5	2	2	3	0
	1730	459	1001.9	953.2	-0.2	37.9	22.0	12.2	14.9	23	+ 3	3.1	+0.3	4.1	0	0	30	09	1	0	1	1	5	4	9	0	0
JABALPUR	0530	393	1007.1	963.1	..	25.5	15.6	8.7	11.5	39	..	1.5	..	1.1	0	0	11	01	1	2	2	4	0	1	0	19	0
	0830	393	1008.3	965.2	+0.3	30.6	18.4	8.5	11.4	26	- 4	1.0	-0.7	2.3	0	0	17	02	2	1	1	2	4	2	3	13	0
	1130	393	1006.6	964.6	..	37.7	20.6	6.0	10.3	16	..	1.2	..	6.0	0	0	30	04	7	0	1	3	7	6	2	0	0
	1430	393	1003.2	931.6	..	39.9	21.0	5.6	9.6	13	..	1.9	..	6.4	0	0	27	02	2	1	1	0	5	11	5	3	0
	1730	393	1002.1	960.4	+0.1	38.4	20.7	6.6	10.1	15	- 3	2.4	-0.3	5.2	0	0	28	01	4	0	0	0	5	10	8	2	0
	2030	393	1004.9	962.2	..	32.1	19.3	9.4	12.1	26	..	1.1	..	1.7	0	0	13	00	2	1	1	1	6	2	0	17	0
	2330	393	1006.4	963.1	..	28.7	17.9	9.3	12.1	31	..	0.8	..	2.5	0	0	17	01	6	1	0	3	1	3	2	13	0
AMBIKAPUR	0830	611	1008.4	942.0	+0.3	29.2	17.9	9.6	12.4	32	- 2	1.2	+0.0	7.1	0	0	24	02	2	1	4	10	4	1	0	6	0
	1730	611	1002.6	937.6	-0.1	35.0	19.3	7.6	10.9	20	+ 1	2.7	+0.5	7.0	0	2	28	06	0	1	0	5	0	16	2	0	0
JASHPURNAGAR	0830	779	1008.1	924.2	..	28.1	17.6	9.7	12.7	35	..	0.9	..	2.4	0	0	23	00	8	0	5	0	6	0	4	7	0
	1730	779	1002.5	920.2	..	32.6	18.4	7.1	10.8	24	..	2.6	..	1.9	0	0	20	02	0	1	0	1	8	3	5	10	0
PENDRA	0530	625	1007.2	938.5	..	24.4	14.9	6.1	10.2	34	..	1.8	..	2.9	0	1	11	02	0	1	0	5	2	1	1	18	0
	0830	625	1008.2	940.6	+0.3	29.7	17.3	7.4	10.8	27	- 3	1.3	-0.6	7.5	0	5	16	03	0	1	0	11	4	0	2	9	0
	1130	625	1006.5	940.1	..	35.0	18.7	5.6	9.7	18	..	1.7	..	11.5	0	6	23	07	3	1	5	8	1	2	1	1	1
	1430	625	1002.8	937.0	..	36.7	18.8	4.2	8.7	15	..	2.5	..	12.9	0	5	24	04	1	2	3	5	2	3	9	1	0
	1730	625	1002.4	936.1	+0.0	34.6	18.3	4.0	9.1	18	- 5	2.6	+0.9	8.6	0	2	25	08	3	3	0	4	1	5	3	3	0
	2330	625	1006.8	938.8	..	27.6	16.3	6.8	10.4	29	..	1.6	..	5.5	0	1	22	02	0	1	0	5	2	5	7	7	1
MANDLA	0830	443	1008.5	959.8	-0.1	28.7	17.7	8.3	11.4	29	-14	1.2	-0.9	5.1	0	3	14	03	1	1	1	10	1	0	0	13	0
	1730	443	1001.8	954.8	-0.4	37.3	19.6	3.5	8.5	14	- 9	2.4	-1.0	9.3	0	5	19	08	0	0	0	7	1	1	7	6	0
CHAMPA	0830	245	1008.7	981.5	-0.1	30.7	20.5	13.5	16.1	37	+ 1	2.6	+0.4	3.8	0	0	24	03	1	4	5	3	2	4	2	6	0
	1730	245	1002.3	976.0	-0.5	39.2	23.4	13.3	15.9	23	+ 5	2.9	-0.4	7.3	0	2	24	06	1	1	0	3	3	10	2	4	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1969 CHAITRA 11 - VAISAKHA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST (CONTD.)																											
RAIGARH	0830	220	1008.8	984.4	+0.5	31.3	20.9	13.7	16.8	37	- 1	3.4	+1.1	3.8	0	0	29	00	9	0	5	1	9	0	5	1	0
	1730	220	1003.4	979.7	+0.8	38.8	21.5	8.4	11.8	20	+ 1	2.4	-0.2	3.0	0	0	29	00	4	0	2	0	6	2	15	1	0
RAIPUR	0530	298	1006.8	973.6	..	27.3	18.4	11.8	14.5	40	..	3.6	..	4.4	0	0	23	01	2	0	4	4	4	4	4	7	0
	0830	298	1008.7	975.9	+0.6	32.0	20.7	12.6	15.6	33	- 3	1.6	-0.2	5.7	0	0	27	01	0	3	2	7	5	8	1	3	0
	1130	298	1007.4	975.4	..	37.9	22.2	10.4	13.7	22	..	1.5	..	7.7	0	0	29	01	2	2	3	6	1	11	3	1	0
	1430	298	1003.6	971.9	..	40.3	22.4	9.2	12.5	17	..	2.3	..	6.9	0	0	30	05	0	2	1	3	7	11	1	0	0
	1730	298	1002.6	970.5	-0.1	38.1	21.8	9.9	12.7	20	- 1	3.3	+0.7	5.7	0	0	26	02	0	2	2	3	6	8	3	4	0
	2030	298	1005.0	972.5	..	23.5	20.5	11.3	13.7	27	..	1.5	..	3.8	0	0	16	00	0	0	3	4	1	7	1	14	0
	2330	298	1006.0	973.2	..	31.3	19.6	10.7	13.4	30	..	1.6	..	5.9	0	0	25	01	1	0	3	8	4	5	3	5	0
KANKER	0830	402	1008.6	964.9	+0.6	32.6	22.8	17.0	19.7	41	- 5	1.4	-1.1	2.9	0	0	16	01	1	0	0	1	7	5	1	14	0
	1730	402	1002.3	959.5	-0.4	37.1	24.5	17.5	20.6	33	+ 3	3.1	-0.7	4.1	0	0	23	01	5	0	0	1	8	3	5	7	0
JAGDALPUR	0530	553	1007.7	946.8	..	24.9	19.9	17.1	19.9	63	..	2.6	..	1.7	0	0	10	00	0	0	1	3	6	0	0	20	0
	0830	553	1009.5	949.3	+0.9	28.9	21.5	17.5	20.5	51	- 3	2.1	+0.1	4.1	0	0	23	00	0	0	0	10	11	0	2	7	0
	1130	553	1007.5	948.5	..	34.7	22.0	14.7	17.3	32	..	2.1	..	6.7	0	0	27	01	1	1	2	8	9	3	2	3	0
	1430	553	1003.5	945.3	..	37.5	22.3	13.2	16.1	25	..	3.6	..	5.6	0	0	26	01	2	0	0	3	11	6	3	4	0
	1730	553	1003.3	944.6	+0.6	35.0	21.8	13.9	16.7	31	+ 0	3.7	-0.4	5.1	0	0	25	02	1	0	1	6	12	0	3	5	0
	2030	553	1006.3	946.6	..	30.7	21.1	15.6	18.1	42	..	2.4	..	4.5	0	0	18	00	0	2	2	7	6	1	0	12	0
	2330	553	1007.6	947.4	..	28.5	20.7	16.3	18.8	49	..	2.5	..	4.9	0	0	21	01	1	1	2	9	6	0	1	9	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																											
DEESA	0830	136	1009.2	993.8	-0.3	26.8	18.5	11.5	14.5	43	- 3	2.2	+0.7	3.3	0	0	16	00	5	0	3	0	5	0	3	14	0
	1730	136	1005.1	990.5	+0.5	38.6	20.7	5.3	9.4	15	- 6	1.1	-0.8	8.3	0	0	30	00	4	0	1	0	8	0	16	0	1
RADHANPUR	0830	30	1009.2	1005.9	-0.3	27.0	22.9	20.8	24.9	71	+ 9	0.0	-0.9	1.9	0	0	27	01	0	0	1	0	14	0	11	3	0
	1730	30	1004.8	1001.5	-1.2	39.7	28.8	24.3	32.6	43	+13	0.0	-1.3	2.5	0	0	29	00	0	2	0	0	15	0	12	1	0
IDAR	0830	219	1009.5	985.0	+0.2	34.0	17.7	5.7	11.1	31	- 9	1.2	-0.4	4.6	0	0	18	02	4	0	2	1	4	4	1	12	0
	1730	219	1004.6	981.0	-0.[illegible]	38.3	19.1	- 1.7	7.1	10	-10	1.5	-0.6	9.2	0	0	30	00	1	0	2	1	10	8	8	0	0
AHMADABAD	0230	55	1007.3	1001.1	..	27.8	18.4	10.7	13.6	37	..	0.1	..	10.2	0	0	28	02	0	0	1	0	4	15	6	2	0
	0530	55	1007.5	1001.2	..	25.3	18.4	12.7	15.6	49	..	0.3	..	8.7	0	0	26	02	0	0	1	0	1	9	13	4	0
	0830	55	1009.4	1003.1	+0.4	26.3	20.2	13.8	17.1	46	- 3	0.9	-0.4	11.8	0	2	26	02	4	1	0	0	2	7	12	2	0
	1130	55	1009.5	1003.5	..	36.1	21.6	10.8	13.9	24	..	1.3	..	14.5	0	5	25	02	4	3	2	4	1	4	9	6	1
	1430	55	1006.7	1000.7	..	38.7	21.5	7.3	11.0	15	..	1.3	..	15.1	0	4	26	04	1	1	0	0	5	10	4	0	0
	1730	55	1004.7	998.8	-0.3	39.9	21.3	6.4	10.1	15	- 3	1.9	+0.4	15.5	0	8	22	06	0	1	0	1	3	11	8	0	0
	2030	55	1006.3	1000.2	..	33.8	20.4	10.1	13.0	25	..	1.0	..	9.4	0	4	18	03	0	0	0	1	8	6	4	8	0
	2330	55	1007.7	1001.6	..	30.5	19.2	10.0	13.0	30	..	0.5	..	10.1	0	0	25	03	0	0	0	0	9	10	3	5	0
DOHAD	0830	333	1009.1	972.1	-0.5	28.0	18.5	10.2	13.6	37	- 1	0.9	-0.4	13.1	0	7	22	00	2	3	2	4	6	11	1	1	0
	1730	333	1003.7	968.1	-0.7	38.1	20.6	6.2	10.1	17	+ 2	1.5	+0.6	16.0	0	11	19	02	3	0	1	1	7	11	5	0	0
VALLABH VIDYANAGAR	0830	44	1009.4	1004.5	..	25.2	20.3	16.9	19.7	63	..	0.8	..	4.9	0	0	28	05	2	0	1	4	11	3	2	2	0
	1730	44	1005.0	1000.3	..	39.5	23.7	13.9	16.3	23	..	1.6	..	7.3	0	1	28	02	0	0	0	2	6	4	15	1	0
BARODA AERODROME	0830	38	1009.8	1005.5	-0.2	28.2	20.1	13.7	16.9	46	+ 0	1.0	-0.2	11.5	0	6	22	04	2	1	0	6	7	4	3	2	1
	1130	38	1009.5	1005.3	..	35.8	21.2	10.0	13.3	24	..	1.0	..	12.1	0	3	24	03	2	1	2	1	5	7	6	5	0
	1730	38	1005.0	1000.8	-0.2	39.3	20.7	4.6	9.3	14	- 3	1.3	+0.0	14.4	0	4	25	02	1	0	0	0	5	6	15	1	0
BARODA	0530	34	1007.6	1003.6	..	25.0	18.6	13.7	16.2	52	..	0.1	..	2.7	0	0	22	00	0	0	0	1	12	3	6	8	0
	0830	34	1009.8	1005.9	-0.3	27.8	19.8	13.7	16.7	45	- 9	0.8	-0.2	3.0	0	0	21	01	1	0	2	1	12	1	3	9	0
	1130	34	1009.7	1005.9	..	36.7	21.6	10.0	13.5	23	..	0.8	..	3.9	0	0	28	03	1	4	1	0	9	2	8	2	0
	1730	34	1005.0	1001.2	-0.2	40.3	21.3	5.7	9.8	14	- 7	1.3	+0.3	3.8	0	0	25	01	2	0	0	0	2	4	16	5	0
	2330	34	1008.1	1004.2	..	29.8	20.5	14.0	16.5	40	..	0.4	..	3.3	0	0	25	00	1	0	0	0	16	0	8	5	0
BROACH	0830	17	..	..	..	27.1	23.8	22.1	26.9	76	+17	1.1	-0.3	11.1	0	5	23	03	4	3	3	4	7	1	3	2	0
	1730	17	..	..	..	39.3	28.0	22.4	28.6	42	+19	0.8	-0.2	21.7	0	21	9	01	2	0	1	0	8	10	8	0	0
SURAT	0530	12	1008.1	1006.8	..	25.3	22.2	20.3	24.1	76	..	0.3	..	5.3	0	0	27	00	2	0	19	0	5	0	1	3	0
	0830	12	1010.4	1009.0	+0.0	27.6	22.9	20.3	24.1	65	+ 1	0.9	-1.1	5.0	0	0	25	01	3	0	7	0	7	0	7	5	0
	1130	12	1010.7	1009.4	..	34.2	23.0	16.2	19.0	36	..	0.8	..	8.9	0	1	29	00	6	0	0	0	11	0	13	0	0
	1730	12	1006.3	1005.0	+0.1	36.1	23.6	15.7	18.9	34	- 6	0.7	-0.8	11.4	0	2	28	00	0	0	0	0	21	0	9	0	0
	2330	12	1009.0	1007.7	..	27.8	23.7	21.7	26.3	70	..	0.3	..	7.3	0	0	24	00	0	0	1	0	18	0	5	4	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																											
NALIYA	0830	21	1009.5	1007.1	-0.4	32.5	23.5	22.7	27.3	85	+ 6	1.6	-0.7	8.3	0	3	24	01	1	0	0	0	16	2	7	3	0
	1730	21	1006.7	1004.3	-0.6	32.1	24.2	20.1	23.8	51	+ 3	1.4	-0.3	15.7	0	4	26	00	0	0	0	0	19	11	0	0	0
BHUJ (RUDRAMATA)	0230	80	1008.0	998.8	..	25.7	21.6	19.0	22.4	69	..	0.4	..	9.1	0	0	25	00	0	0	0	0	14	11	0	5	0
	0530	80	1007.8	998.6	..	23.9	21.2	19.5	22.9	78	..	0.6	..	6.8	0	1	19	00	0	0	0	0	10	8	2	10	0
	0830	80	1009.4	1000.3	-0.2	36.7	22.5	20.3	23.8	69	+12	1.4	+0.4	9.6	0	3	20	00	0	0	0	0	9	13	1	7	0
	1130	80	1009.5	1000.6	..	34.9	22.6	14.8	17.4	32	..	1.2	..	15.2	0	7	19	07	3	0	0	0	2	10	4	4	0
	1430	80	1007.0	998.2	..	38.3	23.2	13.3	16.1	25	..	1.5	..	17.5	0	10	19	04	2	1	2	1	4	12	3	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1949 CHAITRA 11 - VAISAKHA 10, 1891, SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SURASHTRA AND KUTCH (INCLUDING DIU)																											
BHUJ (RUDRAMATA)	1730	80	1005.6	996.7	-0.3	37.6	22.9	13.1	14.3	25	+ 3	1.2	+0.4	20.3	0	18	11	03	2	0	1	1	10	9	3	1	0
	2030	80	1007.2	998.3	..	31.8	22.5	16.8	19.6	43	..	0.3	..	19.3	0	15	15	00	0	0	0	0	8	19	3	0	0
	2330	80	1008.6	999.5	..	27.8	22.3	18.8	22.4	62	..	0.3	..	15.0	0	7	22	00	0	0	0	0	10	17	2	1	0
KANDLA AERODROME	0830	35	1009.9	1005.9	..	27.7	22.1	18.8	22.1	60	..	1.3	..	17.5	0	11	18	02	0	0	2	0	11	7	7	1	0
	1130	35	1009.8	1006.0	..	35.6	21.6	11.5	14.3	26	..	1.0	..	17.7	0	16	11	03	1	1	1	1	6	9	5	3	0
	1730	35	1005.9	1002.1	..	37.6	22.5	12.0	14.9	24	..	1.3	..	28.2	0	26	4	01	0	0	1	9	13	5	1	0	0
NEW KANDLA	0830	14	1010.1	1008.5	-0.4	26.5	22.3	19.6	23.5	69	+ 2	1.8	-0.2	9.4	0	3	26	03	1	0	0	0	8	12	5	1	0
	1730	14	1006.5	1004.9	-0.4	33.8	23.8	17.5	21.3	42	- 2	1.7	-0.4	21.9	0	15	15	00	1	1	0	1	19	8	0	0	0
MANDVI	0830	9	1010.2	1009.0	-0.3	25.9	23.9	22.9	28.1	84	+ 5	2.1	+0.5	17.2	0	9	19	00	0	0	0	0	11	10	7	2	0
	1730	9	1007.3	1006.2	-1.1	29.4	25.9	24.4	30.4	75	- 2	1.9	+0.4	35.0	0	29	1	00	0	0	0	0	21	9	0	0	0
SURENDRANAGAR	0830	74	1010.2	1001.8	+0.4	28.5	23.1	19.9	23.8	62	+ 4	0.0	-1.3	8.8[b]	0	0	28	00	0	0	0	0	0	4	24	1	0
	1730	74	1004.6	996.7	-0.6	39.7	23.4	12.6	15.5	22	- 3	1.3	-0.2	13.2	0	6	22	02	0	0	1	0	2	16	7	2	0
OKHA	0530	7	1008.7	1007.9	..	25.6	24.3	23.7	29.8	89	..	1.0	..	18.4	0	15	15	02	0	0	0	0	1	11	16	0	0
	0830	7	1010.5	1009.7	..	26.6	24.6	23.7	29.3	84	..	1.8	..	19.1	0	15	15	04	0	0	0	0	2	10	14	0	0
	1130	7	1011.1	1010.3	..	28.5	25.2	23.7	[illegible]	76	..	1.4	..	18.5	0	17	13	02	0	0	0	0	1	11	16	0	0
	1730	7	1008.0	1007.2	..	28.6	25.6	24.3	[illegible]	78	..	1.3	..	25.0	0	28	2	00	0	0	0	0	0	19	11	0	0
	2330	7	[illegible]0.0	1009.2	..	26.2	24.8	24.1	[illegible]	88	..	0.5	..	19.7	0	18	12	00	0	0	0	0	3	17	10	0	0
JAMNAGAR AERODROME	0530	20	1008.5	1006.2	..	22.3	21.5	21.1	24.7	93	..	[illegible].2	..	8.0	0	0	25	04	0	0	0	1	9	9	2	5	0
	0830	20	1010.0	1007.7	-0.3	26.1	23.7	22.5	27.3	81	+13	1.9	-0.1	9.5	0	1	28	01	0	0	0	0	6	16	6	1	0
	1130	20	1010.3	1008.1	..	32.2	23.8	19.2	22.7	48	..	1.1	..	15.9	0	8	21	03	3	0	0	0	0	11	11	1	1
	1730	20	1006.9	1004.7	+0.3	32.3	24.1	18.6	21.4	48	+ 6	1.4	+0.1	25.8	0	17	13	03	0	0	0	0	0	10	17	0	0
	2330	20	1009.6	1007.3	..	25.7	23.1	21.8	26.1	79	..	0.4	..	15.4[b]	0	4	25	00	0	0	0	0	1	21	7	0	0
DWARKA	0830	11	1009.3	1008.0	-1.4	26.7	25.2	24.5	30.9	88	+ 7	1.6	-0.5	11.2	0	2	28	05	0	0	0	0	3	11	11	0	0
	1730	11	1007.7	1006.4	-0.3	28.6	26.6	25.7	33.0	84	+ 9	1.4	+0.2	18.3	0	13	17	00	0	0	0	0	2	15	11	0	2
RAJKOT	0530	138	1008.3	992.6	..	22.8	19.7	17.8	20.4	74	..	0.5	..	11.5	0	5	22	00	0	0	0	1	9	11	6	3	0
	0830	138	1010.2	994.6	-0.1	25.7	22.3	20.1	24.1	72	+ 6	0.7	-0.8	16.5	0	11	18	02	0	0	0	0	4	5	18	1	0
	1130	138	1009.7	994.5	..	34.8	21.3	11.6	14.3	26	..	0.5	..	20.5	0	19	11	05	1	1	0	0	1	5	16	0	1
	1430	138	1006.8	991.9	..	38.6	21.0	6.7	10.5	15	..	0.6	..	19.3	0	14	16	02	3	1	1	0	2	6	13	0	2
	1730	138	1005.3	990.4	+0.0	38.3	21.0	6.9	11.0	16	- 2	0.6	-0.8	27.0	0	24	6	01	0	0	0	1	0	4	24	0	0
BHAVNAGAR AERODROME	0830	11	1010.0	1008.8	-0.4	28.4	20.5	15.1	18.1	47	+ 3	0.9	-0.3	17.7	0	11	19	01	0	0	1	2	5	11	10	0	0
	1130	11	1010.1	1008.9	..	35.0	22.3	13.9	16.5	30	..	0.7	..	18.4	0	14	16	04	7	9	3	0	1	2	4	0	0
	1730	11	1005.5	1004.3	-0.4	37.6	22.6	11.7	15.2	25	- 2	1.4	+0.0	31.7	1	22	7	01	2	5	12	9	1	0	0	0	0
PORBANDER AERODROME	0830	210	1010.3	1009.5	+0.0	26.5	24.2	23.1	28.3	82	+ 3	1.4	+0.3	13.4[c]	0	6	20	05	0	0	1	0	3	2	15	2	0
	1130	210	1010.6	1009.8	..	32.1	24.4	20.0	24.0	52	..	1.2	..	20.5	0	17	13	03	1	0	0	1	11	9	5	0	0
	1730	210	1007.4	1006.6	-0.2	30.9	24.4	21.1	25.6	58	- 9	1.2	-0.5	27.3	0	29	1	00	0	0	0	0	10	18	2	0	0
KESHOD	0830	51	1010.2	1004.4	-0.6	25.7	22.4	20.4	24.4	74	+ 7	1.3	-0.5	11.6	0	3	26	10	4	2	0	0	1	7	5	1	0
	1130	51	1010.2	1004.5	..	34.5	21.8	13.0	15.0	30	..	1.0	..	17.1	0	10	20	09	2	1	0	1	1	8	8	0	0
	1730	51	1006.8	1001.1	-0.5	34.4	22.2	13.9	16.8	32	+ 0	1.0	-0.1	34.8	0	30	0	00	0	0	0	0	5	22	3	0	0
MAHUVA	0830	9	1009.5	1008.5	..	28.0	23.4	20.9	24.7	67	..	1.5	..	7.1	0	1	25	01	3	0	5	0	8	0	8	4	1
	1730	9	1006.2	1005.2	..	32.5	27.6	25.6	30.9	68	..	1.5	..	12.2	0	3	27	00	0	0	2	3	24	1	0	0	0
VERAVAL	0230	8	1008.5	1007.6	..	24.4	23.1	22.3	27.1	89	..	0.5	..	13.9	0	5	24	07	0	0	0	0	0	5	17	1	0
	0530	8	1008.3	1007.4	..	22.8	21.5	20.5	24.9	89	..	1.2	..	12.9	0	4	25	16	1	0	0	0	0	3	9	1	0
	0830	8	1010.3	1009.4	-0.3	25.5	22.9	21.4	25.8	79	+ 7	1.6	-0.1	13.1	0	6	24	08	1	1	0	1	0	5	14	0	0
	1130	8	1010.7	1009.8	..	30.4	25.7	23.1	29.3	70	..	1.1	..	19.6	0	17	13	00	1	0	0	2	2	19	6	0	0
	1430	8	1008.6	1007.7	..	29.8	26.6	25.3	32.2	77	..	1.1	..	26.3	0	26	4	00	0	0	0	1	4	20	5	0	0
	1730	8	1007.5	1006.6	+0.1	28.7	26.4	25.4	32.2	83	+ 5	1.2	+0.1	25.3	0	24	6	00	0	0	0	1	1	21	7	0	0
	2030	8	1008.7	1007.8	..	26.9	25.4	24.7	31.1	88	..	0.7	..	21.1	0	18	12	02	0	0	0	0	0	12	16	0	0
	2330	8	1009.7	1008.8	..	25.8	24.2	23.4	28.6	87	..	0.7	..	17.7	0	12	19	04	0	0	0	0	0	7	19	0	0
DIU	0830	15	1010.6	1008.8	..	26.9	21.6	18.2	21.6	62	..	1.1	..	6.5	0	0	26	01	0	0	2	0	0	6	17	4	0
	1730	15	1007.7	1006.0	..	29.6	25.7	23.9	27.6	72	..	1.1	..	18.5	0	17	13	00	0	0	0	2	19	8	1	0	0
CONKAN (INCLUDING GOA)																											
DAHANU	0830	5	1010.2	1009.6	+0.3	26.6	24.8	24.0	29.7	86	+13	.	..	5.1	0	0	26	00	1	4	17	2	2	0	0	4	0
	1730	5	1006.7	1006.2	+0.1	31.3	28.2	27.[illegible]	35.9	78	+ 8	.	..	13.8	0	4	25[b]	01	0	0	0	0	5	11	12	0	0
BOMBAY (SANTACRUZ)	0230	14	1008.5	1006.8	+0.7	25.9	23.9	22.9	28.1	84	+14	1.0	-0.3	2.4	0	0	12	02	4	0	1	0	2	0	3	18	0
	0530	14	1008.4	1006.7	..	24.8	23.3	22.5	27.3	87	..	1.0	..	2.0	0	0	12	00	4	3	1	1	0	1	2	18	0
	0830	14	1010.4	1008.7	+0.1	28.9	24.7	22.6	27.6	69	+ 2	2.1	-0.6	4.4	0	0	22	03	1	6	4	3	1	0	4	8	0
	1130	14	1010.3	1008.7	..	32.4	25.6	22.4	27.3	57	..	1.4	..	12.4	0	2	27	04	0	0	0	1	2	17	5	1	0
	1430	14	1007.8	1006.2	..	32.7	25.9	22.8	27.9	57	..	1.3	..	18.3	0	13	17	00	0	0	0	0	1	16	13	0	0
	1730	14	1006.7	1005.1	+0.0	31.4	25.2	22.3	26.9	60	+ 3	1.5	-0.2	18.4	0	13	17	01	0	0	0	0	0	13	16	0	0
	2030	14	1008.4	1006.8	..	28.6	24.4	22.8	27.3	72	..	1.4	..	9.2	0	2	23	00	1	0	0	0	1	10	13	5	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1969(CHAITRA 11 - VAISAKHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KONKAN(INCLUDING GOA) (CONTD.)																											
BOMBAY(SANTACRUZ)	2330	14	1009.5	1007.9	..	27.2	24.5	23.2	28.6	79	..	1.3	..	6.1	0	0	21	01	0	0	0	0	4	6	10	9	0
BOMBAY	0830	11	1010.4	1009.2	+0.1	28.7	25.7	24.3	30.4	77	+ 4	1.6	-0.7	6.8	0	1	28	06	2	3	10	3	0	3	2	1	0
	1130	11	1010.6	1009.4	..	31.6	26.6	24.5	30.7	66	..	1.0	..	11.2	0	1	29	03	0	0	0	3	5	8	11	0	0
	1730	11	1007.0	1005.8	+0.0	30.7	26.1	24.2	30.0	69	+ 3	1.2	+0.0	15.7	0	10	20	01	0	0	0	0	1	7	21	0	0
ALIBAG	0830	7	1010.4	1009.6	-0.3	28.2	25.1	23.7	29.3	77	+ 3	1.8	-0.3	4.1	0	0	20	05	1	6	5	2	0	0	1	10	0
BHIRA	0830	96	1009.0	998.2	..	27.5	22.0	18.9	21.8	60	..	0.4	..	0.3	0	0	2	00	0	0	0	0	0	1	1	13	0
	1730	96	1005.1	994.7	..	36.6	24.2	17.4	20.0	34	..	1.3	..	7.9	0	0	30	00	0	0	0	0	6	17	7	0	0
HARNAI	0830		(R)																								
	1730		(R)																								
RATNAGIRI	0830	35	1010.1	1006.2	+0.2	28.7	25.2	23.7	29.3	74	+ 1	4.6	+1.5	6.3	0	0	30	02	2	8	6	0	0	3	1	0	8
	1730	35	1006.8	1002.9	-0.1	31.0	26.3	24.2	30.4	67	+ 0	2.9	+0.1	6.6	0	0	30	00	0	0	0	0	0	16	14	0	0
DEVGARH	0830	36	1010.3	1006.3	+0.2	28.5	25.2	23.7	29.3	76	- 1	3.4	-0.3	7.5	0	1	28	06	9	7	3	1	0	1	2	1	0
	1730	36	1007.1	1003.1	+0.3	31.5	26.8	24.7	31.1	67	- 4	2.0	-1.0	22.7	0	20	10	00	0	0	0	0	1	8	21	0	0
VENGURLA	0230	9	1009.1	1008.1	..	27.0	24.7	23.6	29.1	82	..	2.2	..	1.7	0	0	9	06	1	1	1	0	0	0	0	21	0
	0530	9	1008.7	1007.7	..	26.1	24.3	23.4	28.9	85	..	3.0	..	2.1	0	0	12	07	1	2	2	0	0	0	0	18	0
	0830	9	1011.0	1010.0	+0.4	29.2	25.4	23.7	29.3	73	+ 2	2.8	-0.1	2.9	0	0	19	02	3	1	5	3	0	2	3	11	0
	1130	9	1010.8	1009.8	..	32.1	26.2	23.5	29.3	61	..	1.6	..	6.6	0	0	29	00	0	0	0	5	14	10	0	1	0
	1730	9	1007.4	1006.4	+0.4	31.0	26.2	24.1	30.0	67	+ 2	1.9	-0.9	6.7	0	0	30	00	0	0	0	0	4	25	1	0	0
	2330	9	1010.2	1009.2	..	28.2	25.1	23.7	29.3	77	..	2.1	..	4.3	0	1	14	09	0	0	1	1	0	1	3	15	0
PANJIM	0530	60	1008.3	1001.5	..	27.0	24.5	23.3	28.6	80	..	4.0	..	7.7	0	0	29	03	13	4	1	3	1	0	4	1	0
	0830	60	1010.5	1003.9	..	28.5	24.9	23.3	28.4	74	..	4.5	..	8.2	0	0	28	07	9	6	1	2	1	1	1	2	0
	1130	60	1010.3	1003.7	..	32.0	25.8	23.0	28.1	59	..	2.9	..	13.1	0	1	29	00	2	0	0	0	16	11	1	0	0
	1430	60	1007.7	1001.1	..	32.5	26.3	23.5	29.1	60	..	2.6	..	17.3	0	10	20	00	0	0	0	0	11	16	3	0	0
	1730	60	1006.9	1000.3	..	31.1	25.9	23.6	29.1	65	..	3.6	..	15.2	0	2	28	00	0	0	0	0	6	16	8	0	0
	2030	60	1008.9	1002.2	..	28.9	25.3	23.6	29.3	73	..	3.3	..	11.6	0	1	29	05	1	0	0	0	2	8	14	0	0
	2330	60	1009.8	1003.0	..	28.3	24.8	23.3	28.3	74	..	3.0	..	8.5	0	0	29	10	1	1	1	0	1	3	12	1	0
MORMUGAO	0530	62	1008.4	1001.5	..	28.0	25.3	24.1	30.5	80	..	5.2	..	9.9[b]	0	2	25	07	6	3	0	4	3	2	2	2	0
	0830	62	1010.7	1003.8	+0.2	29.1	25.4	23.8	29.6	73	+ 1	3.9	+0.3	7.6	0	1	25	06	7	5	1	3	2	1	1	3	0
	1130	62	1010.5	1003.6	..	30.9	26.0	23.8	29.5	66	..	2.7	..	12.8	0	2	28	02	0	1	0	0	6	12	9	0	0
	1730	62	1007.1	1000.2	+0.0	30.0	26.3	24.4	30.5	70	+ 1	3.3	+0.3	17.9	0	10	20	02	0	0	0	0	2	11	15	0	0
DABOLIM(NAVAL AIR STN.)	0530	52	1008.5	1002.8	..	27.7	24.9	23.5	29.1	79	..	4.3	..	6.4	0	1	21	03	6	1	2	3	2	3	2	8	0
	0830	52	1010.8	1005.0	..	28.9	25.3	23.3	29.3	73	..	4.1	..	5.6	0	0	18	05	4	4	2	0	2	1	0	12	0
	1130	52	1010.6	1004.9	..	31.2	25.5	22.9	27.9	62	..	3.2	..	14.3	0	4	25	00	0	0	1	1	12	9	6	1	0
	1730	52	1007.0	1001.3	..	31.0	26.0	23.7	29.5	65	..	3.5	..	18.7	0	12	18	00	0	0	0	0	6	12	12	0	0
	2330	52	1009.9	1004.1	..	28.6	25.2	23.7	29.3	75	..	3.6	..	14.4	0	8	21	03	0	2	0	1	1	2	20	1	0
MADHYA MAHARASHTRA																											
NANDURBAR	0830	206	1009.6	986.6	+0.1	30.6	21.3	14.7	16.7	42	- 6	0.1	-1.2	6.3	0	0	22	00	0	0	0	0	20	0	2	8	0
	1730	206	1004.8	982.6	+0.7	39.1	23.3	12.8	14.8	22	- 2	0.0	-1.7	5.6	0	0	24	00	0	0	0	0	17	1	6	6	0
JALGAON	0830	201	1009.1	986.7	+0.3	30.2	18.8	9.1	12.4	30	- 9	0.7	-0.5	19.3	0	15	14	01	0	1	2	0	3	15	7	1	0
	1730	201	1003.1	981.6	+0.0	41.4	20.5	1.9	7.0	9	- 5	1.1	-1.2	17.1	0	12	17	02	0	2	0	0	0	18	7	1	0
MALEGAON	0830	437	1009.3	961.2	+0.1	29.2	18.4	9.7	12.4	32	- 1	0.3	-1.0	6.3	0	0	25	01	0	0	1	0	9	1	13	5	0
	1730	437	1002.7	956.4	-0.3	39.1	21.2	6.7	10.8	14	- 1	0.9	-1.8	6.1	0	0	27	04	3	0	0	0	2	2	16	3	0
OZAR	0230	608	1008.1	940.9	..	23.8	16.1	10.0	12.3	44	..	1.0	..	11.5	0	3	21	00	0	0	0	1	2	6	15	6	0
	0530	608	1008.6	941.0	..	21.7	15.6	10.6	12.8	52	..	1.0	..	9.5	0	2	21	02	0	0	0	0	0	11	10	7	0
	0830	608	1009.3	942.9	..	27.9	18.2	11.3	13.5	38	..	1.2	..	11.5	0	6	19	02	0	0	0	0	1	7	14	5	1
	1130	608	1007.4	942.6	..	34.9	20.0	9.5	11.9	22	..	1.6	..	13.7	0	7	19	04	2	2	1	1	1	5	9	4	1
	1430	608	1004.1	940.0	..	37.7	20.6	8.9	11.4	18	..	1.9	..	17.4	0	11	18	02	1	0	0	2	2	11	10	1	1
	1730	608	1003.2	938.9	..	36.3	20.8	10.6	12.8	22	..	1.7	..	23.9	0	21	7	01	0	0	0	0	0	10	17	2	0
	2030	608	1006.8	941.0	..	30.0	19.1	11.5	13.6	34	..	1.1	..	20.4	0	16	14	01	0	0	0	0	0	8	21	0	0
	2330	608	1008.7	941.9	..	25.9	17.3	11.0	12.8	41	..	0.8	..	14.8	0	5	25	00	0	0	0	0	1	13	16	0	0
AHMADNAGAR	0830	657	1008.6	937.1	-0.4	27.1	16.9	8.8	11.9	33	- 1	1.7	+0.1	4.5	0	0	21	02	1	0	1	0	1	0	16	9	0
	1730	657	1001.6	933.1	+0.0	38.6	19.8	4.7	8.5	14	- 4	3.1	+0.0	9.5	0	1	28	00	8	0	1	0	4	0	16	1	0
POONA AERODROME	0230	593	1008.3	942.7	..	24.2	18.0	13.9	16.1	53	..	0.6	..	14.5	0	4	25	00	0	0	1	0	0	25	3	1	0
	0530	593	1008.4	942.6	..	23.0	17.2	13.1	15.1	55	..	1.0	..	11.3	0	1	23	00	0	1	0	0	0	17	5	6	1
	0830	593	1009.6	944.5	..	26.0	18.4	12.9	15.2	45	..	1.6	..	13.6	0	4	22	00	0	1	0	0	1	22	2	4	0
	1130	593	1007.7	944.2	..	34.3	19.7	9.4	11.8	23	..	1.4	..	14.8	0	5	23	04	4	3	1	0	0	13	3	2	0
	1730	593	1003.0	940.2	..	36.5	20.5	9.8	12.5	22	..	2.3	..	27.6[b]	0	22	7	01	3	1	0	0	1	17	6	0	0
	2330	593	1008.7	943.7	..	26.6	19.4	15.0	17.3	50	..	0.9	..	15.3	0	5	25	00	0	0	0	1	2	26	1	0	0
POONA	0530	559	1009.0	946.7	..	22.4	16.9	12.9	15.3	56	..	1.2	..	0.9	0	0	4	00	0	0	0	1	0	3	0	26	0
	0830	559	1010.1	948.7	+0.4	27.0	19.0	13.7	15.6	46	+ 3	1.9	+0.3	2.4	0	0	11	00	0	1	2	0	0	8	0	19	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — APRIL 1949 CHAITRA 11 - VAISAKHA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lst. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD.)																											
PUONA	1130	559	1008.0	948.2	..	34.8	19.7	9.2	11.9	22	..	1.8	..	4.7	0	0	21	03	0	6	0	1	0	7	4	9	0
	1430	559	1004.4	945.4	..	38.1	20.3	7.6	10.8	17	..	2.6	..	7.2	0	2	23	00	3	1	2	1	0	13	5	5	0
	1730	559	1003.6	944.4	+0.4	36.4	20.5	9.5	12.5	21	- 5	2.8	+0.2	9.4	0	0	28	00	1	2	0	0	0	18	7	2	0
	2030	559	1007.2	946.7	..	30.5	20.9	15.3	16.3	41	..	1.2	..	9.4	0	1	28	00	0	1	0	0	1	21	6	1	0
	2330	559	1009.1	947.8	..	27.4	19.4	14.5	16.7	46	..	0.9	..	4.2	0	0	19	00	0	0	1	0	1	17	0	11	0
JEUR	0830	521	1009.3	952.3	+0.5	28.9	22.2	18.9	21.8	56	+11	1.2	-1.1	4.1	0	0	30	15	3	0	0	1	0	4	7	0	0
	1730	521	1002.9	948.1	+1.2	39.4	27.0	22.0	26.4	38	+14	3.6	-0.4	4.1	0	0	30	08	2	3	0	4	2	7	4	0	0
BARAMATI	0830	551	1009.2	948.9	+0.2	27.8	20.4	16.3	18.5	49	+ 4	1.8	-0.1	10.5	0	2	28	04	0	1	0	1	3	6	15	0	0
	1730	551	1002.1	944.2	+0.2	38.3	24.1	16.6	19.5	30	+ 8	3.0	-0.7	12.7	0	7	23	01	1	6	1	1	6	7	7	0	0
SHOLAPUR	0530	479	1007.5	954.7	..	26.9	20.5	16.9	19.5	55	..	2.7	..	6.1	0	0	28	04	3	0	3	0	3	5	10	2	0
	0830	479	1009.2	956.9	+0.4	30.6	22.6	18.6	21.8	50	+ 9	2.6	+0.7	5.7	0	0	28	02	6	0	3	0	3	0	14	2	0
	1130	479	1007.4	956.3	..	36.7	24.4	18.4	21.6	35	..	2.6	..	10.7	0	1	29	12	7	0	5	3	0	0	3	0	0
	1430	479	1003.4	952.9	..	39.8	25.2	18.2	20.9	29	..	3.4	..	7.9	0	2	27	08	4	0	3	3	5	3	3	1	0
	1730	479	1002.1	951.6	+0.3	39.0	24.8	18.0	20.8	30	+ 8	4.0	+0.3	7.1	0	1	29	04	9	0	5	1	8	2	1	0	0
	2330	479	1007.3	955.2	..	31.1	21.6	16.4	18.8	43	..	2.9	..	7.3	0	1	26	04	1	1	4	3	4	4	6	3	0
MIRAJ	0830	554	..	..	..	27.2	22.0	19.4	22.4	64	+ 0	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	554	..	..	..	36.4	24.2	18.3	20.4	36	+ 5	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KOLHAPUR	0530	570	1008.3	945.1	+1.3	23.1	20.4	18.9	22.1	78	+47	2.7	-1.4	5.0	0	0	19	00	1	3	0	0	0	14	1	11	0
	0830	570	1009.9	947.1	+0.2	25.5	21.1	18.8	21.8	68	+ 5	2.1	-0.2	5.7	0	0	22	00	1	3	1	0	1	13	3	8	0
	1130	570	1008.2	947.0	..	33.3	21.5	14.6	16.9	34	..	1.6	..	7.9	0	1	26	03	1	2	2	0	5	6	7	3	1
	1730	570	1003.7	943.0	+0.4	34.2	23.0	17.1	19.9	39	+ 1	3.4	-0.2	17.2	0	13	17	00	1	2	1	0	3	21	2	0	0
	2330	570	1009.5	946.7	..	25.3	21.8	20.1	23.5	73	..	2.5	..	9.3	0	1	28	00	2	1	1	0	0	19	6	1	0
NASIK	0830		..	..	..	25.8	21.5	19.1	22.1	67	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SANGLI	0830	548	1009.6	949.0	..	25.3	21.1	18.8	22.0	68	..	2.5	..	6.9	0	0	29	02	0	0	2	5	2	15	3	1	0
	1730	548	1002.5	944.4	..	36.2	22.2	14.0	16.5	28	..	3.6	..	16.9	0	13	17	00	1	2	1	3	5	15	3	0	0
MARATHWADA																											
AURANGABAD	0830	581	1009.4	946.2	+0.2	29.3	17.6	8.7	11.4	29	- 5	2.0	+0.4	6.4	0	3	14	1	0	1	3	0	.	9	2	13	0
	1730	581	1002.8	941.8	+0.1	38.7	19.6	6.0	8.8	13	- 7	2.9	-0.1	8.7	0	2	26	00	2	1	0	0	2	15	8	2	0
AURANGABAD (CHIKALTHAN)	0230	579	1007.1	943.5	..	26.0	15.6	6.5	10.2	30	..	1.4	..	12.3	0	5	20	01	0	0	1	1	2	15	5	5	0
	0530	579	1008.2	943.9	..	22.9	14.2	6.1	9.9	35	..	1.3	..	7.7	0	1	17	02	0	1	0	0	2	10	3	12	0
	0830	579	1008.6	945.7	+0.0	29.9	17.7	8.3	11.2	28	- 8	1.3	-0.3	15.4	0	10	16	02	0	0	1	0	2	12	9	4	0
	1130	579	1006.9	945.4	..	36.3	19.3	6.2	9.7	17	..	1.2	..	20.1	0	11	19	04	6	3	2	1	2	5	6	0	1
	1430	579	1003.5	942.5	..	38.6	19.8	5.2	9.4	14	..	1.9	..	17.7	0	8	22	02	4	0	1	1	4	7	10	0	1
	1730	579	1002.2	941.2	+0.0	38.1	19.4	4.4	8.8	13	-11	2.2	-1.4	18.0	0	9	21	02	3	1	0	0	3	12	9	0	0
	2030	579	1005.5	943.2	..	31.9	17.2	4.9	8.9	19	..	1.6	..	13.5	0	7	19	08	0	0	0	0	0	11	7	4	0
	2330	579	1007.6	944.5	..	28.5	16.6	6.8	10.6	27	..	1.7	..	15.8	0	9	20	03	0	2	0	2	2	12	8	1	0
PARBHANI	0830	423	1009.5	963.2	+0.5	30.6	17.8	6.2	9.8	23	-14	0.7	-1.2	8.5	0	2	28	04	1	2	0	5	0	16	2	0	0
	1730	423	1002.3	957.6	+0.0	40.1	20.8	3.4	8.8	12	- 9	3.2	-0.5	9.5	0	2	27	02	2	1	2	3	3	11	5	1	0
NANDER	0830	358	1009.1	969.8	..	30.8	20.6	14.0	16.0	36	..	0.7	..	4.1	0	0	21	00	0	0	0	0	5	0	16	9	0
	1730	358	1002.8	964.7	..	39.7	23.6	13.3	16.0	22	..	1.7	..	3.1	0	0	16	00	0	0	1	0	2	0	13	14	0
BIR	0830	519	1009.5	952.6	..	27.6	18.4	12.4	14.5	40	..	1.8	..	3.7	0	0	17	00	0	1	1	0	0	0	15	13	0
	1730	519	1002.4	947.8	..	39.2	22.1	11.5	14.1	20	..	2.7	..	7.1	0	0	25	00	4	0	3	0	4	0	14	5	0
VIDARBHA																											
GONDIA	0830	313	1008.5	974.1	-0.3	31.4	19.8	11.0	13.8	30	- 9	1.1	-1.2	2.9	0	0	19	01	1	0	2	5	8	0	2	11	0
	1730	313	1002.4	969.0	-0.4	38.5	20.3	4.1	9.0	14	- 6	2.2	-0.7	2.1	0	0	21	05	1	1	0	1	7	6	0	9	0
SAKOLI (SONEGAON)	0230	310	1005.6	971.3	..	28.0	17.4	8.2	11.6	31	..	1.7	..	4.5	0	0	24	04	2	1	2	2	4	2	7	6	0
	0530	310	1006.6	972.0	..	26.0	16.5	7.8	11.2	34	..	1.8	..	4.4	0	0	21	03	1	0	2	0	6	2	7	9	0
	0830	310	1008.3	974.3	-0.1	32.5	19.3	8.5	11.7	24	-13	1.2	-1.3	9.2	0	1	25	01	7	1	4	5	2	1	5	4	0
	1130	310	1006.9	973.6	..	38.6	20.9	7.0	10.4	16	..	1.4	..	9.9	0	1	28	04	1	3	4	7	5	0	5	1	0
	1430	310	1003.2	970.3	..	41.0	21.6	6.3	9.9	13	..	2.7	..	10.7	0	1	28	02	1	0	2	6	6	4	8	1	0
	1730	310	1001.9	968.9	-0.5	39.7	21.2	6.4	9.8	14	- 9	3.2	-0.5	9.9	0	3	23	02	1	1	2	3	4	5	8	4	0
	2030	310	1004.7	971.0	..	33.6	19.1	6.9	10.3	21	..	1.7	..	8.5	0	3	24	02	0	3	2	7	3	4	6	3	0
	2330	310	1006.2	972.1	..	30.5	18.6	8.6	11.7	27	..	2.0	..	6.9	0	1	24	03	1	1	1	4	6	3	6	5	0
AMRAOTI	0830	370	1008.3	967.8	+0.1	31.6	23.8	19.5	23.4	50	+20	1.1	-0.8	5.7	0	1	28	03	2	2	2	5	9	4	2	1	0
	1730	370	1002.0	962.8	-0.2	40.0	28.5	23.2	29.2	40	+17	2.3	-1.6	8.7	0	1	29	04	1	1	1	1	5	8	9	0	0
AKOLA AERODROME	0530	309	1006.2	971.7	..	26.7	15.6	4.4	8.8	25	..	1.7	..	8.3	0	0	30	00	4	0	2	1	12	9	2	0	0
	0830	309	1007.9	973.9	..	30.8	18.2	7.0	10.7	24	..	1.6	..	10.3	0	1	28	00	3	1	3	0	4	12	6	1	0
	1130	309	1007.1	973.9	..	38.2	20.4	5.3	9.4	14	..	1.4	..	9.9	0	0	29	01	2	2	0	1	6	8	9	1	0
	1430	309	1003.4	970.6	..	41.1	20.7	3.0	7.8	10	..	2.6	..	11.5	0	2	28	03	2	0	0	1	6	11	7	0	0
	1730	309	1001.8	969.0	..	40.7	20.6	2.7	7.8	10	..	2.8	..	12.3	0	3	26	01	1	0	0	1	2	14	10	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL ,1959(CHAITRA 11 - VAISAKHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VIDARBHA(CONTD)																											
AKOLA AERODROME	2030	309	1004.1	970.6	..	35.2	18.4	2.5	7.6	13	..	2.1	..	8.0	0	1	26	00	0	0	1	2	1	12	11	3	0
	2330	309	1005.8	971.9	..	31.9	17.2	2.7	7.8	16	..	2.0	..	8.2[b]	0	0	29	04	1	1	0	5	2	11	5	0	0
AKOLA	0830	282	1008.4	977.2	+0.0	30.8	19.8	11.3	14.2	32	+ 2	0.6	-1.0	6.5	0	0	27	01	1	2	2	0	8	2	11	4	0
	1730	282	1002.5	972.6	+0.4	40.8	22.4	9.0	12.1	16	+ 0	1.5	-1.0	10.7	0	0	30	00	1	0	4	0	11	0	14	0	0
BRAMHAPURI	0830	229	1008.8	983.5	-0.5	31.5	22.5	16.9	20.2	44	- 4	1.7	-0.8	5.3	0	0	26	02	1	1	2	18	2	0	0	4	0
	1730	229	1002.7	978.2	-0.8	39.9	23.9	14.2	16.8	23	+ 0	3.0	-0.1	4.9	0	0	26	06	1	0	1	6	5	5	2	4	0
BULDANA	0830	650	1008.5	938.1	+0.4	29.5	20.2	14.2	17.2	42	+ 3	0.9	-1.3	11.5	0	1	28	06	0	1	1	0	1	0	20	1	0
	1730	650	1002.2	933.9	+0.0	36.9	22.8	14.3	17.7	28	+ 4	2.5	-1.2	6.1	0	0	28	03	4	0	0	0	0	1	20	2	0
YEUTMAL	0830	451	1008.0	958.9	+0.0	31.8	18.5	6.8	10.6	23	-14	1.5	-1.3	8.7	0	1	28	02	0	2	3	3	4	9	6	1	0
	1730	451	1001.8	954.2	-0.1	39.4	20.5	4.0	8.9	13	-11	2.9	-1.0	9.9	0	3	25	02	2	0	3	0	7	10	4	2	0
CHANDRAPUR	0830	193	1008.4	987.1	-0.1	32.0	20.8	12.9	15.7	34	- 7	2.0	+0.0	6.5	0	0	28	00	1	1	4	13	2	4	3	2	0
	1730	193	1002.4	981.7	-0.4	39.8	21.6	7.4	11.1	16	- 7	3.2	-0.1	9.1	0	2	28	03	3	3	5	5	4	3	4	0	0
PUSAD	0830	334	1009.1	972.4	..	31.3	20.4	12.6	15.1	33	..	0.7	..	2.6	0	0	28	00	4	0	1	0	5	1	17	2	0
	1730	334	1002.6	967.2	..	41.0	24.4	14.2	17.0	22	..	3.2	..	6.0	0	0	29	00	4	0	3	0	10	0	12	1	0
SIRONCHA	0830	123	1010.1	996.4	+0.5	31.4	23.8	19.9	23.3	51	- 2	1.4	-1.2	2.1	0	0	28	00	0	0	10	17	1	0	0	2	0
	1730	123	1003.4	990.1	+0.0	40.3	24.4	15.0	17.7	24	- 1	2.2	-1.0	1.7	0	0	23	02	1	0	2	5	10	1	2	7	0
WARDHA	0830	283	1008.5	977.4	..	33.3	20.5	11.2	13.8	28	..	0.8	..	4.2	0	0	30	05	3	4	5	4	2	3	4	0	0
	1730	283	1002.9	972.7	..	39.9	22.3	9.9	12.7	17	..	2.0	..	4.7	0	0	30	04	2	1	3	3	4	7	6	0	0
BHANDARA	0830	266	1008.7	979.4	..	32.1	19.9	10.7	13.7	29	..	.	..	5.8	0	0	30	01	5	2	2	2	10	1	2	0	5
	1730	266	1002.3	973.9	..	39.4	21.3	7.6	11.1	17	..	.	..	5.3	0	1	27	01	5	0	2	1	4	8	3	2	4
COASTAL ANDHRA PRADESH																											
KALINGAPATAM	0830	6	1010.4	1009.4	+0.6	30.4	27.2	25.9	33.4	77	+ 0	1.9	-1.7	15.9	0	12	17	00	0	1	0	14	14	0	0	1	0
	1730	6	1006.9	1006.2	+1.1	29.5	27.1	26.1	34.0	82	+ 6	2.2	-2.0	17.7	0	15	15	00	1	0	0	15	14	0	0	0	0
VISHAKHAPATNAM	0230	3	1008.0	1007.6	..	27.9	26.3	25.7	33.0	88	..	2.0	..	8.5	0	1	25	00	0	0	0	0	14	11	1	4	0
	0530	3	1008.7	1008.3	..	27.3	25.8	25.2	32.0	88	..	3.5	..	7.4[b]	0	3	15	00	0	0	0	0	11	7	0	11	0
	0830	3	1010.7	1010.3	+0.9	30.8	26.8	25.0	32.0	72	- 1	3.2	+0.1	17.1	0	12	18	00	0	0	0	0	23	7	0	0	0
	1130	3	1010.1	1009.7	..	34.7	28.0	25.3	32.3	59	..	1.6	..	23.7	0	25	5	00	0	1	1	8	19	1	0	0	0
	1430	3	1007.3	1006.9	..	34.3	28.2	25.7	33.2	61	..	1.6	..	29.0	0	29	1	00	0	1	1	12	16	0	0	0	0
	1730	3	1007.1	1006.7	+1.0	33.9	27.6	26.3	34.3	77	- 3	3.7	-0.2	20.9	0	19	11	00	0	0	1	12	17	0	0	0	0
	2030	3	1009.2	1008.8	..	29.3	27.2	26.3	34.3	84	..	2.7	..	14.5	0	10	19	00	0	0	0	3	19	6	1	1	0
	2330	3	1009.6	1009.2	..	28.6	26.9	26.2	34.0	87	..	2.2	..	12.2	0	5	22	00	0	0	0	2	17	6	1	3	1
KAKINADA	0830	8	1011.1	1010.2	+0.8	29.8	26.0	24.4	30.5	70	- 3	4.3	+0.6	9.3	0	0	28	00	0	0	3	0	24	1	0	2	0
	1730	8	1007.0	1006.1	+1.1	32.1	26.4	23.8	29.5	60	- 5	2.0	-0.3	16.3	0	7	23	00	0	0	25	3	1	0	1	0	0
NIDADAVOLE	0830	12	1010.9	1009.5	+0.4	29.4	26.8	25.7	33.1	81	+ 4	6.2	+0.6	5.8	0	0	30	06	3	2	7	8	4	0	0	0	0
	1730	12	1007.0	1005.6	+0.9	33.3	26.9	24.1	30.3	59	+ 3	2.3	-1.2	9.7	0	1	29	00	1	2	5	16	5	0	1	0	0
RENTACHINTALA	0830	106	1009.3	997.8	+1.0	30.3	25.0	22.5	27.3	64	+ 3	2.3	-0.9	1.9	0	0	21	00	0	1	3	15	2	0	0	9	0
	1730	106	1004.2	992.7	+0.7	38.1	24.9	17.7	20.7	32	+ 4	2.0	-1.6	2.3	0	0	24	00	0	3	1	13	0	7	0	6	0
GANNAVARAM	0230	24	1007.9	1005.2	..	26.9	25.5	24.9	31.5	89	..	2.7	..	3.7	0	0	15	00	0	3	4	7	1	0	0	15	0
	0530	24	1008.4	1005.7	..	26.4	25.3	24.8	31.3	91	..	4.6	..	3.9	0	0	16	00	0	6	3	7	0	0	0	14	0
	0830	24	1010.7	1007.9	+0.6	29.7	26.3	24.8	31.3	74	+ 2	4.7	+0.6	12.5	0	2	27	01	0	1	6	20	1	0	0	1	0
	1130	24	1009.9	1007.3	..	34.8	25.7	21.4	25.5	46	..	2.7	..	14.0	0	6	23	00	0	0	7	19	2	1	0	1	0
	1430	24	1006.8	1004.2	..	36.9	25.5	19.8	23.3	37	..	2.0	..	16.9	0	7	23	00	0	1	7	20	2	0	0	0	0
	1730	24	1006.1	1003.5	+0.8	34.0	25.6	21.6	26.4	49	+ 4	2.0	-0.6	17.9	0	10	20	00	0	0	11	19	0	0	0	0	0
	2030	24	1008.6	1005.9	..	29.3	25.6	24.1	30.0	74	..	1.4	..	13.6	0	1	27	00	0	0	15	13	0	0	0	2	0
	2330	24	1009.5	1006.7	..	27.6	25.6	24.8	31.3	84	..	1.2	..	7.2	0	0	23	00	0	2	7	13	1	0	0	7	0
MASULIPATAM	0830	3	1010.5	1010.2	+0.6	29.9	26.5	25.0	31.8	75	+ 0	4.9	+1.1	3.1	0	0	28	01	1	1	1	2	16	1	2	2	3
	1730	3	1006.8	1006.5	+0.8	30.7	26.4	24.6	30.9	70	- 1	2.4	+0.5	5.0	0	0	30	00	0	6	9	2	1	0	0	0	12
ONGOLE	0830	12	1010.3	1009.0	+0.5	30.5	26.8	25.2	32.1	73	- 5	1.3	-1.9	6.5	0	1	29	00	0	10	7	11	0	2	0	0	0
	1730	12	1006.4	1005.1	+0.8	31.7	27.1	25.1	32.0	69	- 8	0.9	-1.5	12.3[b]	0	0	29	00	0	1	28	0	0	0	0	0	0
NELLORE	0530	20	1008.2	1006.0	..	26.6	25.5	25.0	31.7	91	..	2.3	..	4.7	0	0	18	00	0	0	18	0	0	0	0	12	0
	0830	20	1010.4	1008.2	+0.9	30.0	26.3	24.7	31.2	74	+ 5	1.8	-1.4	7.8	0	0	30	00	1	0	27	0	2	0	0	0	0
	1130	20	1009.6	1007.4	..	35.1	26.7	22.9	28.1	50	..	1.9	..	11.0	0	0	30	00	0	1	28	0	1	0	0	0	0
	1430	20	1007.1	1004.9	..	35.5	28.0	24.9	31.6	55	..	1.3	..	12.6	0	0	30	00	1	0	28	0	1	0	0	0	0
	1730	20	1006.8	1004.6	+1.4	31.9	27.3	25.3	32.4	68	+ 6	1.2	-1.8	6.8	0	0	30	00	6	9	15	0	0	0	0	0	0
	2330	20	1009.6	1007.4	..	28.0	26.3	25.6	32.9	87	..	0.9	..	5.4	0	0	17	00	0	0	17	0	0	0	0	13	0
VISHAKHAPATNAM(SOLAR)	0830		(R)																								
TELANGANA																											
RAMGUNDAM	0830	156	1009.3	991.9	+0.2	30.8	23.9	20.4	24.2	55	+ 5	1.2	-1.8	4.7	0	0	26	01	0	0	9	14	2	0	0	4	0
	1730	156	1003.6	986.3	-0.1	39.6	23.9	14.4	17.3	24	+ 1	3.3	-0.5	2.6	0	0	28	02	2	1	13	7	2	0	1	2	0
NIZAMABAD	0830	381	1008.7	967.0	+0.4	3[illegible]	27.1	25.1	32.2	69	+28	1.8	-0.2	0.1	0	0	2	00	1	0	0	1	0	0	0	28	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – APRIL 1959 CHAITRA 11 - VAISAKHA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TELANGANA (CONTD.)																											
NIZAMABAD	1730	381	1002.5	962.1	+0.2	39.3	33.8	30.5	44.5	63	+42	3.4	+0.5	0.7	0	0	5	00	1	1	0	2	0	1	0	25	0
HANAMKONDA	0830	269	1009.7	979.9	+0.5	28.9	24.2	21.9	26.3	67	+ 5	1.6	-0.9	1.9	0	0	28	00	0	0	8	19	0	1	0	2	0
	1730	269	1006.0	977.2	+2.5	38.7	23.9	15.4	18.0	28	+ 2	1.3	-1.2	1.9	0	0	29	08	0	0	11	10	0	0	0	1	0
HAKIMPET AERODROME	0530	613	1007.6	940.5	..	25.6	21.0	18.1	21.1	65	..	2.9	..	10.5	0	3	22	01	1	3	8	8	1	3	0	5	0
	0830	613	1008.5	942.0	..	29.2	21.9	17.9	20.8	52	..	2.7	..	14.7	0	7	21	00	0	3	6	6	5	5	3	2	0
	1130	613	1006.9	941.7	..	34.7	22.0	14.5	16.9	31	..	1.9	..	17.1	0	7	23	02	2	2	3	6	6	4	3	0	2
	1730	613	1003.6	938.8	..	35.9	23.5	13.2	15.8	54	..	4.1	..	43.7	1	7	21	04	3	3	9	2	3	2	2	1	1
	2330	613	1007.1	940.8	..	29.6	20.9	15.9	18.6	45	..	3.0	..	16.8	0	6	22	00	0	1	18	6	2	1	0	2	0
BHADRACHALLAM	0830	111	1009.8	997.4	-0.4	29.5	25.2	23.1	28.4	68	+ 0	3.8	+0.2	3.8	0	0	30	00	9	0	15	0	5	0	1	0	0
	1730	111	1004.0	992.2	+0.0	38.8	24.3	16.0	19.6	27	- 2	2.6	-1.1	3.7	0	0	30	01	5	0	10	0	11	0	3	0	0
HYDERABAD (BEGAMPET)	0230	545	1006.4	946.9	..	28.0	21.2	17.5	20.3	54	..	2.6	..	6.8	0	1	22	00	1	0	15	5	1	1	0	7	0
	0530	545	1007.3	947.5	..	26.1	20.8	17.8	20.7	61	..	2.4	..	4.9	0	0	22	01	3	3	7	4	1	2	1	8	0
	0830	545	1009.1	949.7	+0.4	28.9	22.1	18.7	21.7	55	+ 4	2.6	+0.1	8.7	0	0	29	01	1	1	7	8	5	2	4	1	0
	1130	545	1007.5	949.4	..	35.3	22.0	14.3	16.6	29	..	2.0	..	10.5	0	0	30	04	2	1	4	7	5	4	3	0	0
	1730	545	1002.9	945.3	+0.8	36.8	21.1	11.2	13.7	23	- 8	4.2	+0.5	9.7	0	2	26	03	4	2	11	3	2	1	2	2	0
	2330	545	1007.4	948.3	..	30.4	21.3	16.4	18.9	44	..	3.4	..	9.9	0	2	28	00	0	0	20	6	3	1	0	0	0
KHAMMAM	0830	112	1010.3	997.8	+0.6	29.9	25.9	24.1	30.0	71	- 2	4.7	+1.2	6.6	0	0	29	00	0	3	13	12	0	1	0	1	0
	1730	112	1004.6	992.4	+0.5	38.2	25.8	19.4	22.9	34	+ 3	3.1	+0.0	2.7	0	0	20	01	0	2	7	8	1	1	0	10	0
MAHBUBNAGAR	0830	505	1008.6	953.7	+0.0	31.0	22.0	17.3	20.0	45	- 8	2.3	-0.5	8.8	0	0	30	01	2	3	3	2	17	0	2	0	0
	1730	505	1002.6	949.0	-0.2	37.4	21.2	11.0	13.4	21	- 9	3.8	+0.0	5.9	0	0	28	02	5	5	6	5	4	0	1	2	0
RAYALASEEMA																											
KURNOOL	0830	281	1009.4	978.5	+0.6	32.1	23.6	19.1	22.3	47	- 2	2.1	-0.3	5.1	0	0	30	00	2	0	21	0	6	0	1	0	0
	1730	281	1003.4	973.2	+0.4	38.4	24.8	16.6	19.9	30	+ 6	4.5	+1.0	5.7	0	0	30	00	14	0	15	0	0	0	0	0	1
NANDYL	0830	212	1008.9	985.4	..	30.8	24.9	22.0	26.7	60	..	1.1	..	4.7	0	3	11	00	2	0	1	7	4	0	0	16	0
	1730	212	1003.6	980.6	..	38.2	25.4	18.8	22.1	34	..	3.5	..	10.3	0	5	20	00	0	10	2	8	3	2	0	5	0
ANANTAPUR	0530	350	1007.3	968.6	..	27.8	23.3	20.8	25.1	65	..	3.3	..	7.5	0	1	20	00	0	3	7	0	6	5	0	9	0
	0830	350	1009.3	970.8	+0.6	30.3	24.2	21.0	25.2	58	+ 6	2.4	-0.5	8.9	0	1	26	00	0	1	4	6	3	12	1	3	0
	1130	350	1007.8	970.0	..	35.7	24.5	18.4	21.6	37	..	2.1	..	11.1	1	1	26	02	3	2	7	0	2	10	2	2	0
	1430	350	1004.0	966.7	..	38.5	24.7	17.0	19.9	29	..	2.9	..	7.2	0	0	25	01	9	4	5	0	1	1	4	5	0
	1730	350	1002.8	965.5	+0.5	38.4	24.1	15.8	18.4	27	+ 4	3.8	+0.1	6.7	0	0	22	04	9	5	4	0	0	0	0	8	0
	2030	350	1005.6	967.7	..	34.3	23.3	16.9	19.7	36	..	3.4	..	9.8	0	4	19	01	5	8	7	1	0	1	0	7	0
	2330	350	1007.0	968.8	..	32.2	23.4	18.4	21.6	45	..	3.2	..	12.1	0	6	21	01	2	9	10	3	1	1	0	3	0
CUDDAPAH	0830	130	1009.7	995.3	+0.3	32.3	24.5	20.6	24.4	51	- 5	1.3	-1.0	1.5	0	0	11	00	0	5	5	1	0	0	0	19	0
	1730	130	1004.1	990.0	+0.4	38.9	24.0	15.4	17.9	26	-14	2.2	-1.0	4.8	0	0	25	00	4	20	1	0	0	0	0	5	0
AROGYAVARAM	0830	701	1010.7	934.4	+1.2	27.3	24.4	22.9	28.1	79	+13	2.7	-0.8	6.9	0	0	30	00	2	0	22	2	1	1	2	0	0
	1730	701	1004.8	930.0	+1.0	34.0	26.2	23.1	28.7	54	+20	3.9	-0.8	11.1	0	1	29	01	7	1	19	0	0	0	2	0	0
TAMIL NADU (INCLUDING PONDICHERRY)																											
MADRAS	0830	6	1010.5	1009.8	+0.5	30.1	26.8	25.4	32.4	76	+ 4	6.5	+2.3	8.9	0	0	27	00	0	1	1	9	15	1	0	3	0
	1730	6	1006.8	1006.1	..	30.6	27.0	25.6	33.0	75	..	3.6	..	10.6	0	2	28	00	0	1	22	4	3	0	0	0	0
MADRAS (MINAMBAKKAM)	0230	16	1008.5	1006.7	..	27.8	25.7	24.8	31.3	84	..	2.6	..	4.1	0	0	17	00	0	0	4	10	3	0	0	13	0
	0530	16	1008.7	1006.9	..	27.2	25.4	24.6	31.0	86	..	3.9	..	3.7	0	0	15	00	0	0	0	8	5	2	0	15	0
	0830	16	1010.7	1008.9	+0.5	30.3	26.1	24.2	30.3	70	- 2	4.4	+0.2	9.8	0	2	24	00	0	1	0	19	4	2	0	4	0
	1130	16	1009.9	1008.2	..	34.6	26.2	22.3	27.1	49	..	3.7	..	14.2	0	7	23	00	0	3	14	7	6	0	0	0	0
	1430	16	1007.2	1005.5	..	34.7	26.4	22.9	27.9	50	..	2.7	..	20.2	0	20	10	00	0	4	23	3	0	0	0	0	0
	1730	16	1006.8	1005.1	+0.8	31.6	26.2	23.8	29.6	64	- 4	2.9	-0.2	18.1	0	12	18	00	0	5	21	4	0	0	0	0	0
	2030	16	1009.1	1007.4	..	29.2	26.1	24.8	31.3	77	..	2.0	..	14.1	0	1	29	00	0	4	21	5	0	0	0	0	0
	2330	16	1010.0	1008.3	..	28.5	26.0	24.9	31.6	81	..	2.1	..	9.9	0	1	26	00	0	1	19	7	0	0	0	3	0
VELLORE	0530	214	1008.8	984.7	..	26.5	24.5	23.5	29.0	84	..	3.5	..	2.6	0	0	19	00	0	0	2	14	2	1	0	11	0
	0830	214	1010.6	986.8	+0.9	29.3	25.2	23.3	28.8	71	+ 2	3.1	-0.2	4.3	0	0	21	00	0	1	2	15	1	2	0	9	0
	1130	214	1009.3	985.9	..	34.6	25.6	21.3	25.7	47	..	3.5	..	3.9	0	0	25	01	1	7	6	8	0	2	0	5	0
	1730	214	1004.9	981.7	+0.5	36.7	24.5	18.2	21.0	36	- 3	3.2	-0.6	6.9	0	0	29	00	1	8	13	7	0	0	0	1	0
	2330	214	1010.1	986.3	..	29.2	24.9	22.8	27.9	70	..	1.9	..	5.5	0	0	25	00	0	5	6	14	0	0	0	5	0
TAMBARAM AERODRUME	0830	29	1010.4	1007.2	..	30.7	26.4	24.6	30.9	70	..	4.7	..	18.9	0	14	16	01	1	2	1	16	8	0	1	0	0
	1730	29	1007.2	1004.0	..	32.7	26.3	23.5	28.9	58	..	3.2	..	29.9	0	29	1	00	0	1	18	11	0	0	0	0	0
TIRUPPATTUR	0830	390	1011.7	968.0	+1.2	24.8	23.1	22.2	26.8	86	+14	5.7	+1.6	2.7	0	0	28	19	6	0	0	2	0	1	0	2	0
	1730	390	1006.6	963.8	+1.5	29.1	23.8	21.3	25.3	64	+18	8.0	+3.0	6.0	0	0	30	13	4	0	1	11	0	1	0	0	0
METTUR DAM R.S.	0830		..	..	..	30.1	24.7	22.1	26.7	63	..	4.0	..	6.5	0	0	27	00	5	0	5	0	16	0	1	3	0
	1730		..	..	..	37.2	24.8	18.1	21.0	33	..	5.7	..	11.2	0	2	28	00	1	0	6	0	23	0	0	0	0
CUDDALORE	0530	12	1008.7	1007.4	..	26.9	25.9	25.4	32.6	92	..	3.5	..	0.7	0	0	6	00	0	0	2	3	0	1	0	24	0
	0830	12	1010.6	1009.3	+0.4	30.2	26.8	25.4	32.5	76	+ 1	4.2	+0.1	8.0	0	0	26	02	0	1	4	13	6	0	0	4	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1969 CHAITRA 11 - VAISAKHA 10, 1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TAMILNADU (INCLUDING PONDICHERRY) (CONTD.																											
CUDDALORE	1130	12	1010.1	1008.8	..	32.6	27.6	25.6	32.9	67	..	3.1	..	14.5	0	6	24	00	1	3	25	1	0	0	0	0	0
	1430	12	1007.4	1006.1	..	32.6	27.7	25.7	33.1	67	..	2.7	..	19.7	0	17	13	00	0	5	24	1	0	0	0	0	0
	1730	12	1006.7	1005.4	+0.6	30.8	27.5	25.8	33.2	75	+ 2	3.2	-0.3	15.3	0	6	24	00	0	3	27	0	0	0	0	0	0
	2330	12	1009.9	1008.6	..	29.0	27.0	26.2	34.0	85	..	2.1	..	13.6	0	4	24	00	0	2	23	3	0	0	0	2	0
KALLAKKURICHCHI	0830	127	1010.5	996.3	+0.6	30.0	27.0	25.7	33.1	78	+ 5	3.6	+0.2	3.8	0	0	21	01	2	0	10	3	4	0	1	9	0
	1730	127	1005.4	991.6	+0.8	36.7	26.7	22.1	27.0	45	- 1	3.5	-0.3	6.4	0	0	29	00	5	6	15	2	1	0	0	1	0
SALEM	0530	278	1007.9	976.9	..	26.8	22.9	20.8	24.7	70	..	1.6	..	2.8	0	0	13	01	5	4	3	0	0	0	0	17	0
	0830	278	1010.2	979.3	+0.4	29.0	23.8	21.2	25.3	63	- 7	2.6	-0.5	3.3	0	0	20	00	6	11	2	1	0	0	0	10	0
	1130	278	1009.1	978.7	..	33.3	24.5	20.0	23.5	46	..	3.6	..	5.1	0	0	23	00	2	10	4	3	3	1	0	7	0
	1730	278	1004.0	974.0	+0.2	36.2	23.7	16.7	19.4	33	- 8	4.5	+0.0	4.9	0	0	25	02	3	12	6	1	1	0	0	5	0
	2330	278	1009.0	978.3	..	29.7	23.4	19.9	23.5	57	..	1.3	..	7.5	0	0	24	00	1	17	6	0	0	0	0	6	0
COIMBATORE (PILAMEDU)	0530	399	1008.9	964.4	..	24.8	23.5	22.8	27.7	89	..	2.9	..	10.2	0	2	20	02	4	1	1	5	9	0	0	8	0
	0830	399	1010.7	966.5	+0.7	27.5	24.2	22.7	27.6	76	+ 3	3.6	-0.3	10.4	0	2	20	03	7	3	1	2	5	0	1	8	0
	1130	399	1009.2	965.8	..	32.3	24.9	21.1	25.2	52	..	3.7	..	10.9	0	5	17	01	4	6	1	5	2	1	2	8	0
	1430	399	1005.5	962.7	..	35.6	24.8	19.1	22.4	39	..	4.1	..	15.2	0	7	20	03	5	8	1	4	4	1	1	3	0
	1730	399	1004.6	961.8	+0.0	35.0	24.2	18.2	21.5	39	- 5	4.5	-0.6	19.3	0	13	16	00	2	11	3	4	8	0	1	1	0
	2030	399	1008.0	964.2	..	29.4	24.6	22.3	27.0	67	..	3.8	..	21.4	0	21	9	00	1	1	3	10	15	0	0	0	0
	2330	399	1009.7	965.5	..	26.8	24.2	22.9	28.1	79	..	3.4	..	17.6	0	10	17	02	1	2	2	6	13	1	0	3	0
COIMBATORE	0830	409	1011.2	965.5	+0.8	28.1	23.9	21.9	26.6	69	- 4	4.9	+1.2	4.5	0	0	30	01	13	0	0	0	15	0	1	0	0
NAGAPATTINAM	0830	9	1010.9	1009.8	+0.6	30.6	26.6	25.0	31.6	72	- 1	5.2	+0.7	10.2	0	4	24	00	2	3	10	6	6	0	1	2	0
	1730	9	1006.9	1005.8	+0.5	31.1	27.0	25.3	32.3	71	- 2	5.1	+1.4	20.7	0	19	11	00	2	7	20	1	0	0	0	0	0
TIRUCHCHIRAPPALLI	0230	88	1008.2	998.3	..	27.6	24.7	23.3	28.7	77	..	2.6	..	4.1	0	1	22	04	5	3	6	3	0	2	0	7	0
	0530	88	1008.4	998.5	..	26.9	24.4	23.3	28.4	80	..	3.7	..	5.0	0	0	23	06	5	2	3	1	4	2	0	7	0
	0830	88	1010.4	1000.6	+0.4	29.9	25.1	22.9	28.0	67	- 6	3.7	-0.1	7.3	0	1	29	02	8	2	2	7	4	3	2	0	0
	1130	88	1009.5	999.8	..	34.2	25.0	20.6	24.3	46	..	3.9	..	9.4	0	2	28	01	5	2	6	6	3	6	1	0	0
	1430	88	1006.1	996.4	..	36.7	24.5	18.0	20.8	34	..	4.1	..	11.9	0	1	29	01	11	7	5	3	1	1	1	0	0
	1730	88	1005.3	995.7	+0.5	35.5	24.0	17.8	20.6	37	- 5	3.8	-0.4	16.8	0	11	19	02	4	11	11	2	0	0	0	0	0
	2030	88	1008.3	998.6	..	31.2	24.7	21.7	25.8	57	..	2.8	..	17.1	0	13	16	00	2	10	14	2	1	0	0	1	0
	2330	88	1009.8	999.9	..	29.0	25.0	23.1	28.3	71	..	2.5	..	8.7	0	1	28	01	4	8	12	4	0	0	0	1	0
VEDARANNIYAM	0830	4	1010.5	1010.0	..	31.7	27.1	25.3	32.3	69	..	4.5	..	6.3	0	0	30	00	1	1	18	2	8	0	0	0	0
	1730	4	1007.9	1007.4	..	31.9	27.3	25.4	31.6	69	..	3.2	..	5.0	0	0	30	01	3	1	15	6	4	0	0	0	0
ATIRAMPATTINAM	0830	6	1010.4	1009.7	..	30.6	26.5	24.7	31.2	71	..	2.4	..	7.7	0	2	28	06	2	2	3	6	8	2	1	0	0
	1730	6	1006.5	1005.8	..	31.6	27.0	25.1	31.9	69	..	3.7	..	18.7	0	16	13	00	0	3	8	16	2	0	0	1	0
MADURAI	0830	133	1010.6	995.7	+0.6	29.8	27.5	26.4	34.9	84	+16	4.1	-0.5	2.6	0	0	30	23	1	1	0	0	1	0	4	0	0
MADURAI AERODROME	0530	131	1008.6	993.7	..	26.1	24.5	23.7	29.5	87	..	2.8	..	5.0	0	1	17	06	6	1	0	1	1	1	2	12	0
	0830	131	1010.5	995.8	+0.3	29.6	25.5	23.6	29.2	70	- 2	3.5	-0.9	8.7	0	0	24	05	6	5	0	2	0	0	6	6	0
	1130	131	1009.6	995.1	..	33.5	25.4	21.4	27.1	51	..	4.2	..	9.4	0	3	24	05	7	7	2	4	1	0	1	3	0
	1730	131	1005.7	991.3	+0.2	34.3	24.9	20.1	23.9	47	- 1	5.1	-0.2	16.3	0	12	14	02	6	6	6	5	0	0	1	4	0
TENI	0830	5	1010.9	1010.3	+0.4	30.9	26.7	25.0	31.7	71	- 6	5.8	+0.4	7.8	0	0	29	04	1	6	3	11	0	2	2	1	0
	1730	5	1007.2	1006.6	+0.5	31.1	27.2	25.6	32.8	73	- 5	6.4	+1.3	14.1	0	3	27	00	5	6	8	11	0	0	0	0	0
PAMBAN	0830	11	1010.1	1009.1	+0.2	29.1	28.4	26.9	36.2	85	+ 8	5.1	+1.1	7.1	0	0	30	01	4	4	9	9	1	1	1	0	0
	1730	11	1006.8	1005.5	+0.1	31.7	28.3	27.0	35.8	77	+ 1	5.2	+1.3	9.1	0	3	27	03	4	1	3	15	4	0	0	0	0
TUTICORIN	0830	4	1010.7	1010.3	+0.4	30.1	26.3	24.6	31.1	73	- 1	2.7	-0.7	7.3	0	1	29	05	5	2	1	0	4	6	7	0	0
	1730	4	1007.0	1006.6	+0.5	31.3	27.0	25.2	32.1	71	+ 0	3.2	+0.1	16.0	0	7	23	01	1	3	8	17	0	0	0	0	0
PALAYANKOTTAI	0830	51	1010.6	1004.9	+0.6	29.5	25.5	23.7	29.4	71	+ 2	4.4	+0.0	5.5	0	0	27	09	4	0	0	0	6	4	4	3	0
	1730	51	1006.5	1000.9	+0.6	32.7	26.1	23.3	28.6	59	+ 1	5.2	+0.1	13.1	0	7	22	02	2	6	9	4	4	2	0	1	0
KANNIYAKUMARI	0830	37	1010.3	1006.2	..	29.5	25.7	24.0	29.9	73	..	4.1	..	11.9	0	3	26	03	8	2	0	0	2	12	2	1	0
	1730	37	1007.2	1003.1	..	30.2	26.2	24.5	31.0	72	..	4.9	..	14.5	0	7	23	01	2	1	3	5	9	7	2	0	0
PONDICHERRY	0830	6	1010.5	1009.9	..	29.9	26.8	25.6	32.9	78	..	4.4	..	14.1	0	9	20	00	1	3	2	18	1	3	1	1	0
	1730	6	1006.6	1006.0	..	30.4	27.1	25.7	33.1	77	..	3.4	..	30.9	0	28	2	00	0	2	26	2	0	0	0	0	0
PORTNOVO	0830		(R)																								
TUTICORIN H.P	0830		(R)																								
	1130		(R)																								
	1430		(R)																								
	1730		(R)																								
COASTAL MYSORE																											
KARWAR	0830	4	1011.2	1010.7	+1.0	29.1	26.1	24.6	31.0	77	+ 1	4.1	+0.8	3.0	0	0	29	01	5	10	3	1	0	0	5	1	4
	1730	4	1007.6	1007.1	+0.8	31.1	27.0	25.3	32.4	72	+ 1	4.5	+1.2	8.3	0	0	29	02	0	1	1	0	1	7	15	1	2
HONAVAR	0830	26	1010.8	1007.8	-0.1	27.8	25.3	24.2	30.3	81	+ 3	4.0	-0.4	2.8	0	0	27	02	2	21	1	0	0	1	0	3	0
	1730	26	1007.1	1004.2	-0.3	31.5	26.6	24.5	30.8	67	- 3	3.5	-0.8	4.3	0	0	30	02	0	0	0	2	2	17	7	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – APRIL 1969 CHAITRA 11 - VAISAKHA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in ppm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL MYSORE (CONTD.)																											
MANGALORE(BAJPE)	0230	102	1008.5	997.1	..	27.3	25.0	23.9	29.7	82	..	4.6	..	4.5	0	0	14	05	0	1	0	0	2	2	4	16	0
	0530	102	1008.5	997.0	..	26.4	24.6	23.7	29.5	85	..	4.4	..	3.7	0	0	13	07	3	1	1	1	0	0	0	17	0
	0830	102	1010.4	998.9	-0.2	29.1	25.5	23.9	29.6	74	+ 1	4.1	+0.6	7.0	0	1	20	05	6	7	2	0	0	1	0	9	0
	1130	102	1009.8	998.6	..	33.0	26.2	23.2	28.5	57	..	4.5	..	13.9	0	1	28	01	1	0	1	2	9	9	6	1	0
	1430	102	1007.2	996.0	..	33.4	26.4	23.3	28.6	56	..	2.9	..	22.9	0	25	5	01	0	0	0	1	6	21	1	0	0
	1730	102	1006.6	995.3	-0.2	31.4	26.0	23.6	29.1	63	- 3	4.1	+0.1	20.3	0	15	15	01	0	0	0	1	0	22	6	0	0
	2030	102	1009.1	997.7	..	29.0	25.6	24.0	29.9	75	..	4.1	..	11.7	0	1	28	02	0	1	1	0	1	12	12	1	0
	2330	102	1010.2	998.7	..	28.2	25.3	24.0	29.9	78	..	5.1	..	5.3	0	1	15	07	0	1	2	0	0	2	4	14	0
MANGALORE	0830	22	1010.6	1008.2	+0.1	29.7	25.6	23.9	29.7	71	- 2	4.0	+0.0	2.5	0	0	28	05	2	7	7	2	0	2	2	2	1
	1730	22	1007.0	1004.6	+0.0	31.5	26.7	24.6	31.0	67	- 2	3.3	-1.0	5.9	0	0	30	02	0	0	0	1	5	7	6	0	9
MANGALORE H.P.	0830		(R)																								
	1130		(R)																								
	1730		(R)																								
INTERIOR MYSORE, NORTH																											
BIDAR	0830	664	1008.4	936.8	+0.3	30.0	19.4	12.3	15.1	37	-12	3.4	+0.8	14.4	0	9	20	03	1	2	1	9	5	1	7	1	0
	1730	664	1003.1	932.8	+0.7	34.3	20.5	11.6	13.7	28	- 3	4.5	-0.2	11.7	0	4	22	02	3	10	2	2	1	3	3	4	0
GULBARGA	0830	458	1008.7	958.6	+0.0	30.6	20.6	14.5	17.1	40	- 1	3.1	+1.1	8.5	0	0	21	05	0	9	0	4	1	0	2	9	0
	1730	458	1002.4	953.8	+0.3	38.3	21.5	11.3	13.8	22	+ 0	5.4	+1.5	6.5	0	1	20	01	0	11	2	2	3	0	2	9	0
BIJAPUR	0830	594	1009.5	944.7	+0.5	28.5	20.4	15.6	18.0	47	- 3	3.0	+0.9	5.5	0	1	28	07	2	3	1	1	4	6	4	1	1
	1730	594	1002.3	939.7	+0.5	37.0	22.3	13.7	15.8	26	+ 1	5.2	+1.2	5.0	0	1	24	06	2	2	4	2	2	5	2	5	0
RAICHUR	0830	400	1008.9	965.4	+0.3	31.3	22.0	16.7	19.3	44	-10	2.9	+0.7	5.5	0	0	28	00	9	0	8	0	8	0	3	2	0
	1730	400	1003.0	960.7	+0.4	38.6	22.7	12.4	14.6	22	- 8	4.0	+0.5	5.5	0	0	29	00	9	0	10	1	6	1	2	1	0
BELGAUM	0830	753	1010.0	927.9	+0.1	24.9	21.4	19.6	22.9	73	+ 1	2.2	+0.4	1.5	0	0	11	00	3	5	2	0	1	0	0	19	0
	1730	753	1004.1	924.2	-0.1	32.1	24.1	20.5	24.1	52	+ 6	4.0	+1.0	5.4	0	0	27	01	2	3	0	1	5	7	8	3	0
BELGAUM(SAMRA)	0530	747	1009.0	926.7	..	21.8	19.6	18.4	21.2	82	..	3.1	..	4.3	0	0	17	00	1	1	1	1	6	5	2	13	0
	0830	747	1010.4	928.7	+0.4	24.5	20.5	18.4	21.3	70	+ 8	2.4	-0.1	7.1	0	1	23	01	0	0	0	1	8	10	3	6	1
	1130	747	1007.9	928.4	..	32.4	20.1	11.9	14.6	31	..	1.7	..	9.4	0	1	26	07	4	4	2	1	1	2	4	3	2
	1430	747	1004.3	925.7	..	34.9	20.3	10.4	13.0	24	..	3.6	..	10.4	0	1	28	06	4	1	2	2	1	8	5	1	0
	1730	747	1004.1	924.9	+0.3	32.0	22.2	16.9	19.7	43	- 2	3.8	-0.3	20.1	0	16	14	00	1	1	2	1	3	18	4	0	0
	2030	747	1008.2	927.1	..	26.0	22.2	20.4	24.1	72	..	3.0	..	17.4	0	13	17	02	0	0	0	1	3	23	1	0	0
GADAG	0530	650	1008.5	937.1	..	24.2	21.6	20.3	24.1	81	..	3.7	..	9.3	0	1	28	00	0	1	2	4	14	8	0	1	0
	0830	650	1009.2	938.1	-0.6	26.3	22.6	20.8	24.8	73	+ 2	2.5	-0.3	5.9	0	0	30	01	0	2	0	5	8	14	0	0	0
	1130	650	1007.6	938.5	..	34.3	23.9	18.7	22.0	41	..	1.8	..	6.3	0	0	28	04	3	3	2	2	3	3	6	2	2
	1430	650	1003.7	935.5	..	37.8	24.0	16.9	19.9	30	..	3.4	..	6.9	0	0	28	06	5	4	2	2	1	4	4	2	0
	1730	650	1002.1	933.9	-0.1	36.6	23.5	16.6	19.6	32	- 9	4.8	+0.3	5.2	0	0	28	05	2	4	0	4	0	12	0	2	1
	2030	650	1006.4	936.7	..	31.3	23.3	19.3	23.2	51	..	3.4	..	10.8	0	3	26	00	1	5	3	0	8	9	3	1	0
	2330	650	1008.8	938.0	..	27.3	22.7	20.2	24.3	68	..	2.7	..	9.7	0	1	29	02	0	2	1	1	8	15	0	0	1
BIDAR A.F.	0530		(R)																								
	0830		(R)																								
	1130		(R)																								
	1730		(R)																								
	2330		(R)																								
INTERIOR MYSORE, SOUTH																											
BELLARY	0830	449	1009.0	959.7	+0.1	30.6	22.4	21.2	25.2	46	- 7	2.0	-0.8	3.7	0	0	17	03	2	4	4	0	2	0	2	13	0
	1730	449	1002.6	955.0	+0.4	37.9	22.5	12.8	15.0	24	- 4	5.4	+1.3	6.2	0	1	23	03	4	6	2	0	3	0	6	6	0
CHITRADURGA	0830	733	1009.7	929.9	+0.3	26.0	22.0	20.1	23.7	70	+ 3	2.3	-0.9	4.1	0	0	25	00	0	1	0	1	15	8	0	5	0
	1730	733	1002.5	925.6	+0.5	35.3	22.1	14.7	17.0	31	+ 1	4.0	-0.3	2.7	0	0	24	00	2	12	2	0	4	3	1	6	0
SHIMOGA	0830	571	1010.0	947.2	+0.2	25.4	22.9	21.8	26.1	81	+ 6	4.2	+1.1	2.3	0	0	24	00	1	3	2	0	11	4	3	6	0
	1730	571	1003.3	942.7	+0.3	34.2	23.1	17.4	20.4	41	- 3	4.9	-0.1	3.5	0	0	30	00	1	7	8	0	8	6	0	0	0
AGUMBE	0830	659	1011.2	939.1	..	24.5	22.3	21.7	25.9	84	..	3.0	..	2.1	0	0	17	00	5	3	0	1	3	4	1	13	0
	1730	659	1007.9	936.2	..	27.0	23.7	22.3	26.9	77	..	4.0	..	4.7	0	0	30	02	0	0	0	3	9	15	1	0	0
BALEHONNUR	0830		..	..	..	23.9	21.8	20.9	24.7	83	- 4	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HASSAN	0830	960	1521.7	907.1	+0.7	22.3	20.1	18.9	22.0	82	+ 6	4.7	+1.5	3.5	0	0	17	00	0	1	4	1	1	7	3	13	0
	1730	960	1508.9	903.9	+1.4	32.0	21.2	14.9	17.8	40	- 7	4.6	-0.9	4.5	0	2	20	01	1	1	8	0	1	5	5	7	0
BANGALORE	0230	921	1512.9	910.0	..	23.9	20.3	18.3	21.2	72	..	1.8	..	6.2	0	1	18	00	0	4	7	1	5	2	0	11	0
	0830	921	1528.9	911.5	+1.2	24.9	21.2	19.4	22.7	72	+ 2	3.7	+0.1	3.3	0	0	20	00	0	1	5	1	8	4	0	10	1
	1130	921	1536.9	911.2	..	30.2	21.7	17.0	19.8	47	..	2.8	..	4.2	0	0	23	00	0	6	7	2	2	4	0	7	2
	1430	921	1523.6	909.2	..	33.0	21.2	14.3	17.0	33	..	3.7	..	4.4	0	0	23	01	0	10	9	1	1	1	0	7	0
	1730	921	1511.6	908.3	+2.1	31.4	20.5	13.7	16.0	37	+ 3	4.4	-0.6	5.3	0	1	20	00	0	11	9	0	0	0	1	9	0
	2030	921	1520.3	909.9	..	28.0	20.0	15.3	17.6	48	..	3.3	..	5.5	0	0	23	00	0	7	14	0	0	1	1	7	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1949 CHAITRA 11 - VAISAKHA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
INTERIOR MYSORE SOUTH (CONTD.)																											
BANGALORE AERODROME	0530	897	1499.0	911.3	..	22.4	20.6	19.7	23.0	85	..	2.5	..	3.6	0	0	18	00	0	1	5	2	5	5	0	12	0
	0830	897	1521.1	913.2	+0.4	24.9	21.6	19.9	23.4	75	+ 6	3.3	-0.6	7.9	0	0	28	00	0	0	6	5	9	7	1	2	0
	1130	897	1529.2	912.9	..	30.3	22.4	18.3	21.5	50	..	3.2	..	8.9	0	1	28	01	0	5	6	6	2	9	0	1	0
	1730	897	1498.3	909.3	+0.6	31.9	21.6	16.0	18.4	40	+ 4	4.6	-0.7	11.5	0	3	23	00	1	14	8	2	0	1	0	4	0
	2330	897	1518.9	912.6	..	26.1	21.5	19.1	22.3	66	..	2.8	..	9.0	0	4	22	00	1	4	16	1	2	2	0	4	0
MYSORE	0830	767	1010.8	926.9	+0.5	24.4	21.5	19.9	23.4	76	+ 1	3.0	-0.7	4.1	0	0	30	02	0	6	1	10	0	11	0	0	0
	1730	767	1003.4	922.5	+0.2	33.3	21.1	13.8	16.0	32	- 2	4.2	-0.9	6.3	0	0	30	04	5	11	0	2	0	8	0	0	0
YALANKA A.F.	0530		(R)																								
	0830		(R)																								
	1130		(R)																								
	1730		(R)																								
	2330		(R)																								
KERALA																											
CALICUT	0530	5	1009.0	1008.4	..	26.9	25.1	24.3	30.5	86	..	4.1	..	4.3	0	0	25	02	4	19	0	0	0	0	0	5	0
	0830	5	1010.6	1010.0	+0.1	29.6	25.9	24.4	30.5	74	- 1	4.3	+0.0	2.7	0	0	22	00	4	7	0	0	5	5	1	8	0
	1130	5	1010.5	1009.9	..	32.1	26.9	24.7	31.1	65	..	2.8	..	7.9	0	0	30	00	0	0	0	4	15	11	0	0	0
	1430	5	1008.1	1007.5	..	33.0	27.5	25.3	32.3	64	..	2.9	..	9.7	0	1	29	01	0	0	0	0	2	26	1	0	0
	1730	5	1007.3	1006.7	+0.2	31.5	27.3	25.5	32.7	71	+ 0	2.7	-2.1	8.2	0	0	30	00	0	0	0	0	1	5	24	0	0
	2330	5	1010.3	1009.7	..	28.9	26.0	24.8	31.3	79	..	4.1	..	6.0	0	0	30	09	11	3	0	1	0	4	2	0	0
PALGHAT	0830	97	1010.7	999.9	+0.4	29.0	25.7	24.2	30.3	76	- 1	4.5	+0.4	9.4	0	0	29	00	0	8	0	0	0	21	0	1	0
	1730	97	1005.5	994.8	-0.2	34.6	26.2	22.1	26.8	49	-10	5.1	-0.3	13.2	0	0	30	00	0	5	0	0	0	25	0	0	0
FORT COCHIN	0830	3	1010.2	1009.9	-0.4	30.2	27.3	26.1	33.9	79	+ 4	6.2	+1.0	4.7	0	0	27	03	12	7	0	0	0	2	3	3	0
	1730	3	1006.8	1006.5	-0.3	30.8	28.4	27.4	36.5	83	+ 9	6.5	+1.2	11.3	0	0	28	00	0	0	0	0	2	18	8	2	0
COCHIN (NAVAL AIR STATION)	0230	3	1008.8	1008.3	..	27.5	25.4	24.4	30.7	84	..	5.2	..	3.4	0	0	12	01	1	0	4	2	1	0	3	18	0
	0530	3	1008.4	1008.1	..	26.7	25.2	24.6	30.9	88	..	4.5	..	2.2	0	0	11	00	6	2	2	1	0	0	0	19	0
	0830	3	1010.3	1010.0	..	29.7	26.3	24.8	31.4	75	..	4.0	..	3.6	0	0	23	02	8	10	3	0	0	0	0	7	0
	1130	3	1010.3	1010.0	..	32.5	26.8	24.4	30.6	63	..	4.3	..	11.9	0	1	27	00	1	0	0	0	7	10	10	2	0
	1730	3	1006.9	1006.6	..	31.1	26.7	24.9	31.5	70	..	4.9	..	15.6	0	4	25	00	0	1	0	1	4	19	4	1	0
	2330	3	1010.2	1009.9	..	28.0	25.6	24.5	30.8	89	..	5.4	..	5.9	0	1	17	01	0	1	5	2	0	2	7	12	0
ALLEPPEY	0830	4	1010.6	1010.2	+0.5	30.1	26.9	25.6	32.8	77	- 1	4.0	-1.3	4.8	0	0	30	01	12	7	9	0	1	0	0	0	0
	1730	4	1007.4	1007.0	+0.7	31.7	27.5	25.8	33.2	71	- 2	3.8	-2.1	21.7	0	27	3	01	1	0	0	0	0	9	19	0	0
PUNALUR	0830	34	1010.6	1006.8	+0.5	28.2	25.9	24.9	31.4	83	- 1	4.7	+0.5	0.1	0	0	1	00	0	0	0	0	0	1	0	29	0
	1730	34	1006.6	1002.9	+0.0	31.8	26.5	24.2	30.4	66	- 2	7.5	+1.5	3.6	0	0	22	00	0	0	0	0	10	12	0	8	0
TRIVANDRUM	0230	64	1008.5	1001.2	..	26.7	25.5	25.0	31.6	90	..	3.6	..	1.7	0	0	8	05	3	0	0	0	0	0	0	22	0
	0530	64	1008.7	1001.4	..	26.2	25.2	24.7	31.1	91	..	3.9	..	3.3	0	0	17	08	7	2	0	0	0	0	0	13	0
	0830	64	1010.5	1003.3	+0.1	28.5	26.0	24.9	31.4	81	+ 0	5.0	+1.0	3.3	0	0	19	03	8	2	1	0	0	1	4	11	0
	1130	64	1010.1	1002.9	..	32.1	26.1	23.5	29.0	61	..	5.7	..	7.9	0	1	27	04	2	1	2	1	6	3	9	2	0
	1430	64	1007.5	1000.4	..	32.1	26.5	24.2	30.2	63	..	5.3	..	10.5	0	0	30	00	0	0	0	1	11	10	8	0	0
	1730	64	1007.4	1000.1	+0.2	29.9	26.1	23.9	30.8	74	+ 1	6.3	+0.6	9.1	0	1	29	01	1	1	0	0	10	10	7	0	0
	2030	64	1009.7	1002.5	..	28.0	25.7	24.7	31.2	83	..	5.3	..	5.3	0	0	20	02	1	0	1	0	2	7	7	10	0
	2330	64	1010.4	1003.1	..	27.3	25.8	25.1	31.9	88	..	5.0	..	4.3	0	0	20	04	5	3	1	0	0	2	5	10	0
TRIVANDRUM AERODROME	0830	8	1010.9	1010.0	+0.7	29.5	26.1	24.5	30.7	74	- 1	5.3	+0.9	13.3	0	10	19	15	8	2	0	0	1	1	2	1	0
ARABIAN SEA ISLANDS																											
AMINI	0530	4	1008.5	1008.1	..	28.0	25.4	24.2	30.2	80	..	2.9	..	10.9	0	3	25	08	2	0	1	0	1	7	9	2	0
	0830	4	1010.5	1010.1	-0.1	29.4	25.7	24.1	30.1	74	+ 1	3.1	-0.5	10.1	0	4	24	10	1	1	1	1	0	4	10	2	0
	1130	4	1010.8	1010.4	..	31.4	26.4	24.3	30.4	66	..	3.1	..	12.9	0	4	26	12	2	0	0	0	3	4	9	0	0
	1730	4	1007.6	1007.1	..	31.1	26.4	24.4	30.6	68	..	4.1	..	15.8	0	8	22	06	0	0	1	2	1	7	13	0	0
	2330	4	1010.4	1009.6	..	29.0	25.9	24.6	30.9	77	..	2.7	..	15.0	0	7	21	04	0	0	1	0	1	9	13	2	0
AGATTI	0830	4	1011.1	1010.6	..	29.4	26.1	24.7	31.1	76	..	5.0	..	4.2	0	0	29	09	2	0	1	1	1	1	14	1	0
	1730	4	1007.9	1007.4	..	30.5	26.5	24.7	31.2	72	..	4.5	..	7.3	0	1	28	04	0	1	2	1	0	2	19	0	0
ANDROTH	0830	5	1011.0	1010.5	..	28.9	26.2	25.2	32.1	81	..	4.8	..	2.8	0	0	25	06	6	1	0	0	1	1	10	5	0
	1730	5	1006.6	1006.1	..	31.6	27.2	25.4	32.5	70	..	5.6	..	2.3	0	0	20	02	2	1	0	0	0	3	12	10	0
MINICOY	0530	2	1008.9	1008.7	..	27.2	24.9	24.0	29.8	83	..	3.5	..	3.0	0	0	14	02	1	1	0	0	1	4	5	16	0
	0830	2	1010.8	1010.6	+0.1	29.6	26.1	24.6	31.0	75	+ 0	3.8	-0.5	4.2	0	0	24	06	2	1	0	2	0	3	10	6	0
	1130	2	1011.1	1010.9	..	30.9	26.6	24.7	31.2	70	..	4.3	..	6.1	0	0	25	03	0	4	2	1	1	2	12	5	0
	1430	2	1008.9	1008.7	..	30.9	26.5	24.6	31.0	69	..	4.3	..	5.9	0	0	24	05	2	1	1	1	0	2	12	6	0
	1730	2	1008.1	1007.9	+0.3	30.1	26.2	24.5	30.8	73	- 1	4.4	-0.2	4.5	0	0	22	04	2	0	1	0	0	2	13	8	0
	2030	2	1009.9	1009.7	..	28.2	25.4	24.3	29.3	80	..	3.5	..	4.9	0	0	18	03	0	1	1	0	0	1	12	12	0
	2330	2	1010.7	1010.5	..	27.7	25.3	24.4	30.6	83	..	3.2	..	4.7	0	1	17	01	0	3	0	1	0	4	9	12	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL 1949 CHAITRA 11 - VAISAKHA 10, 1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gen. of normal standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p.h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HILL STATIONS (EXCLUDING KASHMIR)																											
DALHOUSIE	0830	1959	1441.4	800.2	+0.6	14.4	12.6	11.6	14.4	86	+31	6.1	+4.6	0.3	0	0	4	00	4	0	0	0	0	0	0	25	0
	1730	1959	1440.2	800.2	+0.7	16.4	13.9	11.6	14.8	78	+24	6.3	+4.0	0.5	0	0	6	00	4	2	0	0	0	0	0	24	0
DHARMASALA	0830	1211	1532.0	882.6	-0.1	20.3	13.3	7.0	10.3	44	+ 5	4.6	+2.1	1.9	0	0	19	05	8	3	0	0	0	2	1	11	0
	1730	1211	1520.8	881.2	-0.2	23.3	14.7	7.4	10.6	39	+ 7	5.7	+2.2	3.5	0	0	28	02	4	1	0	2	10	8	1	2	0
BHUNTAR	0830	1096	1510.6	893.0	..	14.1	11.3	8.7	11.4	71	..	3.9	..	5.9	0	1	23	06	3	5	0	5	1	2	2	6	0
	1130	1096	1506.9	891.7	..	20.0	13.7	8.4	11.1	48	..	4.9	..	9.1	0	3	26	04	3	5	6	7	1	1	2	1	0
	1730	1096	1486.4	889.4	..	21.1	14.1	8.0	11.2	46	..	5.7	..	14.6	0	9	21	05	0	1	3	7	5	2	7	8	0
SIMLA	0830	2202	1486.9	781.9	+0.1	14.7	7.7	- 0.3	6.1	38	+ 6	3.2	+0.8	2.3	0	0	26	00	7	0	11	2	5	0	1	4	0
	1730	2202	1476.0	781.1	+0.5	15.8	8.5	0.1	6.4	37	+ 0	4.9	+1.2	2.3	0	0	28	01	3	0	15	2	5	0	2	2	0
GHANGARIA (KANJALIA TUK)	0830		..	..	..	2.5	0.8	- 1.3	5.4	76	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BADRINATH	0830		(R)																								
	1730		(R)																								
JOSHIMATH	0830		..	..	..	..	..	..	..	..	..	0.7	-1.8	8.9	0	4	25	00	1	25	1	2	0	0	0	1	0
	1730		..	..	..	..	..	..	..	..	..	0.5	-5.5	8.3	0	4	26	04	4	12	2	2	2	3	1	0	8
MUSSOURIE	0830	2042	1479.4	795.9	-1.7	15.4	10.6	6.5	9.9	57	+13	4.0	+1.8	1.2	0	0	11	04	4	0	1	1	0	0	1	19	0
	1730	2042	1461.2	794.7	-1.8	17.8	12.4	8.0	11.0	54	+ 8	5.5	+1.9	2.6	0	0	24	08	6	0	3	4	1	0	2	6	0
MUKTESWAR (KUMAUN)	0830	2311	3148.4	773.8	+1.3	14.5	7.6	- 0.7	6.0	39	+ 2	2.7	+1.0	10.6	0	3	27	00	5	4	2	0	2	10	7	0	0
	1730	2311	3135.9	772.2	+1.2	16.5	9.1	1.0	6.8	39	+ 0	3.9	+1.0	16.3	0	10	20	00	3	2	0	0	5	11	9	0	0
NAINITAL	0830	1953	1483.2	804.9	+0.0	16.9	10.5	4.4	8.4	45	+ 9	1.8	-0.1	4.6	0	0	24	16	0	5	1	1	0	1	0	6	0
	1730	1953	1464.6	803.7	+0.3	18.0	11.2	5.2	9.0	44	+ 7	3.0	+1.0	8.5	0	0	29	09	3	3	2	2	1	9	0	1	0
KALIMPUNG	0830	1209	1542.9	883.1	+4.5	25.4	20.0	17.0	19.4	60	-12	0.6	-1.7	5.9	0	0	30	00	1	0	2	0	0	0	27	0	0
	1730	1209	1512.4	880.0	+4.6	26.0	20.4	17.3	19.9	59	-13	1.0	-2.5	6.1	0	0	30	00	2	0	26	0	0	0	2	0	0
DARJEELING	0830	2128	1517.9	791.9	+0.6	15.8	12.7	10.4	11.7	73	+ 5	3.4	-0.7	2.5	0	1	7	00	0	0	0	0	4	3	0	22	1
	1730	2128	1479.6	789.1	+0.3	15.2	12.5	10.6	11.8	75	+ 4	4.9	-0.6	4.6	0	1	14	00	0	0	0	0	9	3	0	15	3
KOHIMA	0830		(R)																								
	1730		(R)																								
SHILLONG (C.S.O.)	0830	1500	1502.6	839.9	+1.0	20.2	14.5	10.3	13.0	56	+ 5	2.7	-0.6	6.5	0	1	29	00	0	1	0	5	15	4	5	0	0
	1730	1500	1481.8	838.5	+2.4	19.0	14.7	11.5	14.0	65	+ 5	3.8	-0.7	5.5	0	0	28	01	1	0	2	5	10	5	4	2	0
CHERRAPUNJI	0830	1313	1487.7	867.5	-1.3	19.8	16.9	14.6	17.1	75	+ 0	3.2	-1.6	6.7	0	0	30	00	8	0	0	0	22	0	0	0	0
	1730	1313	1477.2	866.2	+0.1	18.8	15.9	13.8	15.8	74	- 4	4.0	-0.1	7.1	0	0	30	00	1	0	0	0	29	0	0	0	0
ABU	0830	1195	1516.5	882.4	+0.9	24.1	14.0	4.3	8.7	29	+ 0	0.3	-0.8	0.1	0	0	1	00	0	0	0	0	1	0	0	29	0
	1730	1195	1503.2	880.0	+0.5	29.3	15.1	0.3	6.5	17	- 7	0.5	-1.1	0.7	0	0	3	00	0	0	0	1	2	0	0	27	0
AIJAL	0830		..	..	..	23.1	22.2	21.6	25.8	92	+24	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	24.6	23.2	22.5	26.6	89	+24	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
PACHMARHI	0830	1075	1513.5	894.4	+0.2	28.2	14.5	0.7	6.8	18	-11	0.9	-1.5	3.1	0	0	26	02	3	7	0	2	0	3	9	4	0
	1730	1075	1497.0	891.0	+0.2	32.9	15.9	- 1.0	5.8	12	-10	2.5	-1.0	4.1	0	0	29	00	2	2	0	0	2	5	18	1	0
MAHABALESHWAR	0830	1382	1521.4	863.9	+0.3	23.0	14.6	8.2	10.7	41	+ 2	0.8	-1.1	10.9	0	0	30	00	14	0	1	0	1	0	14	0	0
	1730	1382	1509.1	862.5	+1.1	28.3	20.3	16.0	17.9	47	- 8	1.4	-0.9	10.0	0	0	30	00	3	0	2	0	0	0	25	0	0
MERCARA	0830	1152	1521.3	887.1	+1.0	22.4	19.8	18.3	21.1	79	- 3	2.7	-0.6	7.7	0	1	28	13	2	4	1	1	0	2	5	1	1
	1730	1152	1496.3	884.1	+0.7	26.7	21.8	19.2	22.7	66	- 5	4.2	-0.2	11.1	0	2	28	02	1	0	0	0	1	14	7	0	5
OOTACAMUND	0830	2249	1523.6	781.9	+1.4	16.9	13.0	9.9	12.2	67	- 4	2.4	-0.5	3.0	0	1	16	01	6	10	0	0	0	0	0	13	0
	1730	2249	1493.6	779.6	+0.8	19.4	15.3	12.5	14.7	66	- 2	3.9	-1.4	0.7	0	0	9	00	0	9	0	0	0	0	0	21	0
COONOOR	0830	1747	..	..	..	21.6	16.4	13.0	15.3	60	- 5	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KODAIKANAL	0830	2343	3178.1	773.0	+0.7	17.0	11.9	7.3	10.8	57	- 6	3.6	+0.2	10.5	0	2	28	03	14	7	6	0	0	0	0	0	0
	1130	2343	3190.3	773.4	..	19.8	14.0	9.7	12.3	54	..	3.7	..	11.7	0	2	28	03	12	6	8	1	0	0	0	0	0
	1730	2343	3160.4	771.5	+0.9	16.6	14.3	12.7	14.8	79	+ 1	5.9	+0.3	5.7	0	0	28	05	4	3	9	4	0	0	3	2	0
MANALI	0830	6690	..	..	..	9.1	6.4	3.2	7.9	69	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	6690	..	..	..	15.6	10.0	4.5	8.8	52	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
NEPAL																											
KATMANDU	0830	1324	1503.9	868.3	-0.2	17.7	13.8	10.7	13.1	65	+ 3	1.9	-0.5	0.5	0	0	4	01	0	0	0	1	0	0	2	26	0
	1130	1324	1499.4	867.3	..	26.1	15.7	6.8	10.4	33	..	2.6	..	1.9	0	0	20	03	0	0	0	5	1	6	5	10	0
	1730	1324	1469.2	864.4	-1.0	23.7	15.4	8.7	11.7	41	- 8	3.5	-0.7	3.6	0	0	24	04	0	0	2	7	0	7	4	6	0
SIKKIM																											
LACHEN	0830		(R)																								
HYDROMETEOROLOGICAL OBSERVATORIES AMOUDAR CATCHMENT																											
TILAIYA	0830		..	..	..	30.8	19.1	9.4	13.0	30	..	1.4	..	8.0	0	0	25	01	0	3	3	0	5	8	5	5	0
	1730		..	..	..	34.0	19.4	6.6	10.7	23	..	1.6	..	9.2	0	0	28	03	1	4	3	0	0	6	11	2	0
HAZARIBAGH	0830	615	1007.4	940.7	..	29.6	19.3	12.2	15.0	39	..	1.7	..	7.2	0	1	24	00	1	3	2	1	5	12	1	5	0
	1730	615	1002.7	936.7	..	31.4	19.9	12.2	15.1	34	..	2.4	..	7.2	0	1	23	00	1	1	0	0	7	13	2	6	0
KINAR	0830		(R)																								

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL ,1959CHAITRA 11 - VAISAKHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lit. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
DAMODAR CATCHMENT.(CONTD.)																											
KONAR	1730		(R)																								
BOKARO	0830	242	1007.4	980.4	..	29.4	21.7	16.8	20.1	49	..	2.1	..	..	.	..	..	00	0	0	0	0	0	0	0	30	0
	1730	242	1003.5	977.0	..	31.9	24.4	20.5	24.6	54	..	2.7	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
MAITHON	0830		..	..	..	33.4	21.5	13.1	16.2	33	..	2.2	..	4.6	0	0	30	00	4	0	16	0	5	0	5	0	0
	1730		..	..	..	34.5	21.9	12.9	16.2	33	..	2.8	..	5.0	0	0	30	00	6	0	11	0	8	0	5	0	0
RAMGARH	0830		..	..	..	30.3	21.9	16.8	19.7	46	..	1.2	..	0.0	0	0	0	00	0	0	0	0	0	0	0	27	0
	1730		..	..	..	34.1	22.9	16.3	18.9	38	..	1.8	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
PANCHET HILLS	0830		..	..	..	29.0	22.1	17.8	21.3	55	..	1.9	..	2.3	0	0	26	00	2	0	7	0	9	3	5	4	0
	1730		..	..	..	33.9	21.6	13.0	16.0	33	..	2.6	..	2.5	0	0	25	00	4	0	4	0	8	2	7	5	0
DURGAPUR	0830		..	..	..	28.6	23.6	20.9	25.2	65	..	0.0	..	13.5	0	6	24	01	3	1	3	17	1	2	2	0	0
	1730		..	..	..	34.0	23.4	16.8	20.2	40	..	0.0	..	14.9	0	8	22	04	1	2	6	14	3	0	0	0	0
MAHANADI CATCHMENT																											
GINABAHAR	0830		..	..	..	30.2	20.1	13.7	16.2	40	..	1.1	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HIRAKUD	0830	159	1008.6	991.0	..	31.4	22.6	17.4	20.4	45	..	1.8	..	2.1	0	0	14	01	1	0	6	0	4	0	1	16	1
	1130	159	1007.7	990.6	..	36.4	23.4	15.4	18.4	31	..	1.9	..	2.7	0	0	19	01	0	0	1	2	5	9	1	11	0
	1730	159	1002.5	985.3	..	37.8	22.9	13.3	15.7	25	..	2.2	..	1.3	0	0	11	00	0	0	3	1	2	1	3	19	1
BHIMKUND	0830		(R)																								
	1730		(R)																								
SONEPUR	0830		..	..	..	31.5	25.5	22.5	28.0	61	..	.	..	6.0	0	1	24	02	2	9	3	2	0	7	0	5	0
KHIJRAWAN	0830		..	..	..	30.9	21.6	15.3	18.0	41	..	0.9	..	6.1	0	1	29	00	1	2	11	3	6	5	2	0	0
	1730		..	..	..	34.9	20.7	10.6	12.9	24	..	2.3	..	7.1	0	1	29	04	3	2	3	1	5	5	6	0	1
NARMADA CATCHMENT																											
BAGRA TAWA	0830		..	..	..	31.3	16.9	2.2	7.6	17	..	0.3	..	12.1	0	1	29	02	6	2	0	3	11	5	1	0	0
	1730		..	..	..	39.0	19.1	- 1.0	5.9	9	..	1.1	..	13.0	0	2	28	05	2	0	0	0	7	5	11	0	0
PUNASA	0830		..	..	..	30.4	19.1	10.2	13.1	30	..	.	..	3.9	0	0	27	01	11	0	0	4	5	5	1	3	0
	1730		..	..	..	39.5	22.5	10.8	13.9	19	..	.	..	7.6	0	4	26	00	11	0	0	1	6	6	6	0	0
THIKRI	0830		..	..	..	34.5	22.3	14.6	17.2	32	..	0.5	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SABARMATI CATCHMENT																											
DAROI	0830		..	..	..	28.5	17.8	9.3	11.5	30	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		(R)																								
JHAROL	0830		(R)																								
GANDAK CATCHMENT																											
JAMOSON	0830		..	..	..	11.4	6.6	1.9	7.2	55	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	11.9	8.2	5.1	8.9	65	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KHUDI BAZAR	0830		..	..	..	23.1	15.6	9.8	12.4	45	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	26.1	17.0	10.1	12.9	40	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TIMURE	0830		..	..	..	16.9	9.9	2.6	7.7	41	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	20.3	12.0	4.1	8.8	39	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
POKHARA	0830		..	..	..	23.5	16.4	11.2	13.6	48	..	2.2	..	4.7	0	0	26	04	1	3	4	5	2	1	4	4	2
	1130		..	..	..	27.9	17.2	8.9	12.0	33	..	2.8	..	6.5	0	0	29	00	1	3	14	9	1	0	1	1	0
	1730		..	..	..	27.0	17.1	9.3	12.3	37	..	4.3	..	4.7	0	2	22	02	0	4	11	3	0	0	4	6	0
GORKHA	0830		..	..	..	22.8	15.7	10.0	12.7	47	..	1.8	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1130		..	..	..	26.2	17.0	10.1	12.8	40	..	1.8	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730		..	..	..	25.5	16.1	8.3	11.6	36	..	2.7	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
NUWAKOT	0830		..	..	..	23.1	15.0	8.0	11.2	40	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	26.3	15.4	5.5	9.7	30	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																											
DAILEKH	0830		..	..	..	20.7	13.3	6.4	9.9	43	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	24.3	15.3	7.7	11.0	37	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT																											
SALLYANA	0830		..	..	..	22.0	12.9	3.4	8.4	33	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	23.4	13.3	2.5	8.0	29	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BUTWAL	0830		..	..	..	29.3	18.6	9.9	12.8	32	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	34.4	20.5	9.0	13.1	25	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BAGHMATI CATCHMENT																											
KATMANDU	0830																										
	1130		SEE UNDER NEPAL																								
	1730																										

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - APRIL ,1969CHAITRA 11 - VAISAKHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lst. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KOSI CATCHMENT																											
CHAUTARA	0830		(R)																								
	1730		(R)																								
WALUNGCHUNG GULA	0830		..	..	..	9.4	4.7	- 1.3	5.9	51	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	7.4	5.1	2.8	7.6	74	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLETHUK	0830		..	..	..	20.6	14.8	10.2	12.4	53	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	21.3	14.7	9.2	12.0	49	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BHOJPUR	0830		..	..	..	19.8	13.7	8.6	11.8	52	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	19.7	13.8	9.1	12.1	54	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLEJUNG	0830		..	..	..	18.2	12.6	8.0	11.0	54	..	2.2	..	2.9	0	0	22	04	2	0	0	1	0	5	10	8	0
	1130		..	..	..	21.1	13.8	7.8	11.2	46	..	2.7	..	9.1	0	2	26	02	0	2	1	7	3	3	10	2	0
	1730		..	..	..	18.4	12.7	7.8	11.1	54	..	4.9	..	12.0	0	3	23	02	1	1	11	7	1	1	1	4	1
UKHALDHUNGA	0830		..	..	..	18.8	12.4	6.7	10.4	50	..	2.3	..	2.7	0	2	3	01	0	0	0	0	1	2	1	25	0
	1130		..	..	..	21.3	12.9	5.1	9.6	41	..	2.8	..	4.0	0	2	10	01	0	0	0	1	2	7	1	18	0
	1730		..	..	..	19.1	12.4	6.3	10.2	48	..	4.3	..	11.0	0	7	17	00	0	1	0	1	7	13	2	6	0
CHAINPUR	0830		..	..	..	21.8	16.0	11.8	14.2	55	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	21.5	16.2	12.6	14.7	58	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BARAHAKSHETRA	0830	146	1009.5	993.0	..	27.1	19.3	13.7	16.4	46	..	1.4	..	3.2	0	0	19	01	1	5	0	3	3	6	0	11	0
	1130	146	1008.0	991.9	..	31.3	21.5	15.2	17.7	40	..	2.1	..	6.7	0	0	30	00	0	0	0	1	9	16	3	0	1
	1730	146	1004.4	988.2	..	30.6	21.2	14.6	17.7	42	..	2.7	..	1.9	0	0	15	01	0	2	1	0	4	7	0	15	0
TISTA CATCHMENT																											
GANGTUK	0830	1812	1503.5	820.1	..	16.2	13.0	10.7	13.1	71	..	4.2	..	2.8	0	0	17	04	3	0	0	3	5	2	0	13	0
	1130	1812	1495.1	819.7	..	20.4	15.0	11.3	13.6	59	..	4.4	..	6.6	0	0	29	02	2	0	2	8	12	3	0	1	0
	1730	1812	1473.2	817.3	..	16.9	[illegible]	11.7	13.9	73	..	6.8	..	5.1	0	1	18	02	4	0	7	6	0	0	0	11	0
GEZING	0830		..	..	..	17.5	[illegible]	11.8	14.0	70	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		(R)																								

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METEOROLOGICAL DEPARTMENT

भारतीय मौसम पुनरीक्षण

INDIA WEATHER REVIEW

1969

मासिक मौसम रिपोर्ट

MONTHLY WEATHER REPORT

मई

MAY

भारत सरकार के प्राधिकार द्वारा वेधशालाओं के महानिदेशक के निदेशाधीन प्रकाशित
Published by the Authority of the Government of India Under the Direction of the Director General of Observatories

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INDIA WEATHER REVIEW, 1969

Monthly Weather Report

MAY

MONTHLY WEATHER REPORT

FOR

MAY 1969

C O N T E N T S

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MEANINGS OF SYMBOLS AND ABBREVIATIONS IN TABLES

II AND III

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

INDIA WEATHER REVIEW, 1969
Monthly Weather Report
MAY

Published by the Authority of Government of India

Chief features :-

1. Movement of 6 western disturbances (most of them being upper air troughs) in quick succession across northwest India causing light to moderate rain or snow in Western Himalayas and the adjoining plains.

2. Formation of a cyclonic storm in the central Bay of Bengal and its movement westwards towards south Andhra coast in the 3rd week of May paralysing communications and causing colossal damage to property and heavy loss of life in that area.

3. Early onset of the southwest monsoon as a feeble current over south Kerala in the beginning of the third week and its advance into north Kerala, south and east central Bay of Bengal and southeast Arabian Sea by the end of the month; and

4. Markedly below normal temperatures over many parts of north India in the first 3 weeks and appreciably above normal daily maximum temperature in these areas in the last week.

1. a) The western disturbance which affected northwest India at the end of last month moved away across the Western Himalayas and Tibet as an upper air trough by 3rd evening. It induced a well-marked low pressure area over east Rajasthan and adjoining Madhya Pradesh on 1st, which moved to northeast Madhya Pradesh and neighbourhood by 3rd morning and weakened. Under the influence of these two systems, fairly widespread rain or snow occurred in Western Himalayas and fairly widespread moderate rain or thundershowers all along the Gangetic plains on the first two days. A number of stations in Rajasthan reported duststorms on 1st evening. According to press reports (1) Severe thundersqualls swept Gaya and Hazaribagh districts in the beginning of the month, (2) Many districts in Uttar Pradesh experienced hailstorms resulting in damage to melon and mango crops, and (3) hailstorms also affected Hissar district causing some loss of life and damage to crops in the beginning of the month. The significant amounts of rainfall were : On 1st, 4 cms at Nautanwa; on 2nd 7 cm at Krishnanagar, 6 cm at Varanasi Airport and Jamui, 5 cm at Azamgarh and 4 cm at Alipore (Calcutta), Burdwan, Sriniketan, Dumka, Chapra, Varanasi City, Fatehpur and Ballia.

b) The second western disturbance was a feeble one and it moved across the Western Himalayas as an upper air trough in the middle and upper troposphere between 4th and 6th and across Tibet and Assam by 9th. It caused isolated light precipitation in the Western Himalayas on 5th and 6th.

c) The third western disturbance moved from Afghanistan and the adjoining northern divisions of West Pakistan across Western Himalayas as a low pressure area between 9th and 12th. It induced a cyclonic circulation in east Rajasthan and adjoining Madhya Pradesh in the lower troposphere on 11th which persisted there for the next 2 or 3 days. A well marked trough in the westerlies in the middle and upper troposphere was also lying on 11th evening roughly along 65°E, and was extending into Afghanistan. The portion of this trough extending into Afghanistan persisted in that area for 2 days and developed into a well marked cyclonic circulation extending between 500 and 300 mb over Afghanistan by 13th morning. It persisted over Afghanistan and adjoining West Pakistan for 3 or 4 days and moved away across the Western Himalayas by 17th evening as a cyclonic circulation in the mid-troposphere and as a trough in the upper troposphere. This was the fourth western disturbance. Under the influence of these systems, Western Himalayas and the adjoining plains had a spell of fairly widespread moderate precipitation between 10th and 17th. The significant amounts of rainfall were : On 10th 3 cm at Gulmarg, on 11th 4 cm at Gulmarg, on 12th 7 cm at Mussoorie, 4 cm at Dehra Dun, Kanpur and Lucknow City, 3 cms at Bareilly, on 13th 4 cm at Narnaul, 3 cm at Gulmarg and Banihal; on 14th 6 cm at Quazigund, 5 cm at Srinagar (IAF) and Bilaspur, 4 cm at Ferozepore and Srinagar and 3 cm at Dalhousie, Gulmarg and Banihal and on 15th 3 cm at Bilaspur and Manali.

d) The fifth western disturbance was seen as an upper air trough in the middle troposphere over West Pakistan on 18th evening and it moved across Western Himalayas and Tibet by 21st. It induced a low pressure area over Rajasthan on 19th which moved to east Uttar Pradesh by 21st and weakened. These two systems caused fairly widespread light to moderate precipitation over Western Himalayas and the adjoining plains on 19th and 20th. Manali recorded 4 cm of rain on 19th.

e) The sixth western disturbance was seen as an upper air trough in the middle and upper troposphere along Longitude 65°E north of 30°N on 21st evening. It moved eastwards across the Western Himalayas by 24th evening causing isolated light precipitation in the Western Himalayas on 23rd and 24th.

2. In the first fortnight, the seasonal thundershower activity was sub-normal in Assam and Sub-Himalayan West Bengal while it was in excess in the rest of northeast India. In the second fortnight thundershowers were fairly widespread in Assam on most of the days and in Sub-Himalayan West Bengal in the last week with scattered heavy falls on a few days. Thundershowers were also scattered or isolated over the rest of northeast India in the second fortnight. The heavy and widespread thundershower activity in Assam and Sub-Himalayan West Bengal in the second fortnight was in association with the east-west seasonal wind discontinuity over that area in the lower tropospheric levels, in which a cyclonic circulation was also embedded over Sub-Himalayan West Bengal and neighbourhood causing incursion of strong southerlies into Assam and Sub-Himalayan West Bengal. The amounts of heavy rainfall in northeast India were : On 10th, 10 cms at Chandbali, 7 cms at Dum Dum; on 13th 8 cms at Burdwan; on 17th, 8 cms at Pasighat; on 19th 21 cms at Pasighat, 11 cms at Majbat, 8 cms at Tezpur, 7 cms at Gohpur and north Lakhimpur; on 20th, 11 cm at Silchar; on 22nd 14 cms at Cooch Behar, 13 cms at Jalpaiguri 10 cms at Tura 8 cms at North Lakhimpur; on 24th 11 cm at Cooch Behar; on 25th 17 cm at Cooch Behar, 12 cms at North Lakhimpur; on 26th 15 cms at Goalpara; on 27th 9 cms at Cooch Behar, 8 cms at Balurhgat and 7 cms at Agartala. According to press reports, the rivers in Lohit district in NEFA flooded low-lying areas dislocating road communications in the third week.

3. Scattered thundershowers occurred in the Peninsula outside Maharashtra State in the first fortnight mainly in association with the seasonal north-south trough at the surface and the lower tropospheric levels (upto 1.5 kms a.s.l.) running from Tamil Nadu to east Madhya Pradesh. Some of the significant amounts of rainfall were : On 4th, 5 cms at Hanamkonda; on 5th 8 cms at Anantapur and 4 cms at Hassan; on 9th 4 cms at Punalur; on 11th 5 cms at Calicut, 4 cms at Mysore; on 12th 7 cm at Alleppey 5 cms at Kalingapatam; on 14th 5 cms at Tirupathi and Fort Cochin 4 cms at Raichur, Bangalore FO and Calicut; on 15th 10 cms at Palghat 6 cms at Mangalore 4 cms at Fort Cochin.

4. a) A low pressure area formed in the east central Bay of Bengal on 13th, moved westwards and concentrated into a depression in the west central Bay on 14th morning with centre near 15°N 87°E. Continuing to move practically westwards, it intensified into a cyclonic storm on the morning of 16th near Lat. 15.5°N and Long. 83°E and crossed the south Andhra coast between Ongole and Masulipatam (place of crossing seems to be near Bapatla), on the forenoon of 17th. Its movement slowed down considerably on crossing coast but there was no significant change in its intensity. It very slowly recurved northeastwards and was located east of Gannavaram on the morning of 19th. Thereafter it moved rather rapidly north and weakened into a depression on 19th evening with its centre near Bhadrachalam. On the next morning it further weakened and lay as a low pressure area over northeast Andhra Pradesh and neighbouring areas. Under the influence of this system, torrential rains and gales lashed the districts of Krishna, Guntur, west and east Godavari and adjoining Khammam resulting in unprecedented floods, Colossal loss of life and property, mainly in Guntur and Krishna districts and disruption of all communications. Gannavaram reported a maximum wind speed of about 65 km per hour on the morning of 19th. There were also reports of wind speed of 30-35 knots from Ongole. Some of the very heavy amounts of rainfall recorded by the State raingauge stations and by the departmental observatories are reproduced below : On 17th 20 cms at Chinnaganjam, 16 cms at Prathipada, 13 cms at Addanki, Bapatla and Tenali, 10 cms at Kothapeta; on 18th 31 cms at Chinnaganjam, 30 cms at Addanki, 20 cms at Ongole, 13 cms at Vinukonda and Sattenapalli, 12 cms at Vijayawada and Alamuru, 11 cms at Gannavaram and Narasaraopeta; on 19th 25 cms at Vijayawada, 23 cms at Guntur and Tenali, 21 cms at Narasaraopeta, 19 cms Chinnaganjam and Nandigama, 17 cms at Bapatla, 16 cms at Jaggaipet and Prathipadu, 15 cms at Addanki, 14 cms at Sattenapalli, 13 cms at Vijayawada, 11 cms at Repally and Vinukonda; on 20th 26 cms at Tiruvur,

23 cms at Khammameth, 14 cms at Jaggaipet, 11 cms at Nandigama and Nuzvid and on 21st 19 cms at Nandigama.

b) According to press reports, the cyclonic storm took a toll of over 600 human lives and a few lakhs head of cattle and wiped out a few villages in Bapatla and Ongole taluks in Guntur district. The districts affecyed were Krishna, Guntur, east and west Godavari and Khammam. Vast areas (several lakhs of acres) of rich standing crops were destroyed in these districts. There was extensive damage to major irrigation canal systems, irrigation tanks, roads and railway tracks. The total loss was estimated at more than a hundred crores of rupees. The worst affected districts were Guntur and Krishna. According to the touring officers' report, exceptionally heavy rainfall occurred over narrow belts in Guntur, Krishna and Khammam districts. The heaviest rainfall in the six day period ending on 21.5.1969 was at Chinnaganjam in Guntur district (more than 70 cms), the next heaviest fall being in Nandigama - Vijayawada section (about 60 cms). Uprooting of trees and telegraph posts was a maximum around Vijayawada and Gannavaram.

c) Under the influence of this cyclonic storm which originated as a low pressure area in the east central Bay of Bengal on the 13th, the southwest monsoon advanced as a feeble current into southeast Bay and south Andaman Sea on 13th and into south Kerala, southeast Arabian Sea and southwest Bay upto Lat. 10°N on 17th. The onset of the monsoon over Kerala was about a fortnight ahead of the normal date. This early advance was however not maintained during the subsequent week.

d) A well marked low pressure area developed over the west central and adjoining southeast Bay on 23rd. It persisted there for the next 3 or 4 days and weakened into a trough of low pressure by 28th. Another trough of low pressure formed in southeast Arabian Sea off Mysore - Kerala coasts on 25th and became less marked by 27th. Under the influence of these systems, the monsoon advanced into north Andaman Sea on 24th, strengthened over south Arabian Sea, south Bay of Bengal and Kerala on 25th and advanced into north Kerala on 26th. Another trough of low pressure formed over south coastal Burma and adjoining east central Bay on 27th evening. It concentrated into a low pressure area on 29th, moved north to upper Burma by 31st and merged with the seasonal trough. It caused the advance of the monsoon into east central Bay on 28th. At the end of the month, the northern limit of the monsoon was passing through Mangalore, Madras and Akyab. The significant amounts of rainfall recorded in the Peninsula, Arabian Sea Islands and the Bay Islands, in association with the monsoon were : on 16th 9 cm at Calicut , 4 cms at Maya Bandar; on 19th 6 cms at Hut Bay; on 23rd 4 cms at Kondul; on 24th 4 cms at Hut Bay; on 25th 16 cms at Calicut, 10 cms at Alleppey, 7 cms at Minicoy and Maya Bandar, 6 cms at Port Blair, 5 cms at Trivandrum, 4 cms at Long Island and Trivandrum Airport; on 26th 7 cms at Amini; on 28th 7 cms at Androth, 6 cms at Maya Bandar, 4 cms at Minicoy; on 29th 8 cms at Calicut, 7 cms at Fort Cochin and Minicoy, 5 cms at Maya Bandar, 4cms at Amini and Androth; on 30th 8 cms at Port Blair, 5 cms at Minicoy, and Androth, 4 cms at Long Island and on 31st 10 cms at Amini and 5 cms at Fort Cochin.

5. The daily maximum temperature was appreciably to markedly below normal (1) in most parts of north India outside Gujarat State and Assam on many days during the first three weeks, being 8° - 12°C below normal along the Gangetic Plains on the first three days, in Jammu and Kashmir on 13th and in Punjab on 9th; and (2) in Andhra Pradesh in the third week, being 10 - 12°C below normal in south coastal Andhra Pradesh and adjoining Telangana from 16th to 19th.

The daily maximum temperature was appreciably above normal (1) in many parts of Gujarat State on many days from 4th to 11th, (2) in many parts of Rajasthan from 24th to 28th, (3) in many parts of Uttar Pradesh and of Madhya Pradesh from 22nd to 28th, (4) in many parts of Madhya Maharashtra from 4th to 11th, (5) in north Assam from 5th to 17th.

The daily minimum temperature was appreciably to markedly below normal (1) over many parts of northwest India from 1st to 6th and 13th to 21st, being 6 - 10°C below normal on 2nd and 3rd; (2) in Uttar Pradesh and Madhya Pradesh from 1st to 7th and in west Uttar Pradesh and west Madhya Pradesh from 12th to 19th, (3) in many parts of northeast India outside Assam in the first two weeks and in most parts of Andhra Pradesh from 17th to 21st.

The usual features of this month were :-

1. Snowfall in extreme northwest India;

2. Appreciably to markedly below normal temperatures in many parts of north India in the first three weeks;

3. Westward movement of a cyclonic storm in the Bay of Bengal striking south coastal Andhra Pradesh in the middle of May.

The rainfall was in large excess in Orissa, Bihar Plateau, Uttar Pradesh, Haryana, Punjab, Himachal Pradesh, Jammu and Kashmir, East Madhya Pradesh, Coastal Andhra Pradesh, Telangana, Kerala and Arabian Sea Islands; moderate excess in Sub-Himalayan West Bengal, Bihar Plain, Rayalaseema, slight excess in Tamil Nadu and South Interior Mysore, normal in Gangetic West Bengal, East Rajasthan and North Interior Mysore. It was in slight defect in Bay Islands, and Vidarbha and in moderate defectin Assam and West Madhya Pradesh and in large defect over the rest of the country. There was no rain in Gujarat, Saurashtra Kutch and Marathwada.

The mean maximum temperature was above normal in North Assam, Gujarat and Coastal Mysore, below normal in Gangetic West Bengal, Orissa, Bihar, Uttar Pradesh, Haryana, Punjab, Himachal Pradesh, Jammu and Kashmir, East Madhya Pradesh, Coastal Andhra Pradesh and Telangana. It was normal over the rest of the country.

The mean minimum temperature was above normal in Coastal Mysore, below normal in Orissa, Bihar, Uttar Pradesh, Haryana, Jammu and Kashmir, West Rajasthan and Coastal Andhra Pradesh. It was normal over the rest of the country.

The mean Relative Humidity in the morning was above normal in Orissa, Bihar, Uttar Pradesh, Haryana, Punjab, Himachal Pradesh , East Madhya Pradesh, Coastal Andhra Pradesh and Telangana, below normal in Marathwada and normal over the rest of the country.

The mean Relative Humidity in the evening was above normal in Orissa, Bihar, Uttar Pradesh, Haryana, Himachal Pradesh, East Madhya Pradesh, Coastal Andhra Pradesh and Telangana, below normal in Assam and Marathwada, and normal over the rest of the country.

The mean cloud amount in the morning was above normal in East Uttar Pradesh, Haryana and Tamil Nadu, below normal in North Assam, Sub-Himalayan West Bengal, Bihar Plateau, East Rajasthan, Gujarat, Saurashtra Kutch, Madhya Maharashtra, Marathwada and Vidarbha and normal over the rest of the country.

The mean cloud amount in the evening was above normal in Bihar Plains, East Uttar Pradesh, Haryana, Himachal Pradesh, Tamil Nadu and North Interior Mysore, below normal in East Rajasthan , Gujarat, Saurashtra Kutch, Konkan and Madhya Maharashtra and normal over the rest of the country.

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

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

Pune-5;

1st September 1969.

Y.P. RAO,

for Director General of Observatorie

TABLE I - DIVISIONAL AND SUB-DIVISIONAL MEANS - MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA)

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1.ASSAM(INCLUDING.	245.8	64	32.0	22.3	76	67	4.6	4.3
NEFA,N.L.ETC)	-138.7		+1.4	+0.3	- 5	- 8	-1.1	-0.4
2.WEST BENGAL	164.1	109	34.6	24.7	71	64	3.2	4.0
	+ 12.9		-1.1	-0.7	0	+ 2	-0.9	+0.1
3.ORISSA	106.3	177	36.1	25.3	70	59	3.6	4.3
	+ 46.2		-2.1	-2.0	+ 6	+ 7	+0.1	-0.1
4.BIHAR	78.6	159	36.4	24.3	65	50	2.4	3.0
	+ 29.2		-2.4	-1.4	+10	+12	-0.2	+0.1
5.UTTAR PRADESH	40.0	204	38.2	23.8	50	35	1.7	1.7
	+ 20.4		-2.0	-1.5	+ 8	+ 9	+0.5	+0.3
6.HARYANA(INCLU.	21.0	169	37.4	23.0	47	31	1.4	1.7
DELHI CHANDIGARH)	+ 8.6		-2.8	-1.8	+11	+10	+0.3	+0.3
7.PUNJAB	22.3	191	37.1	22.3	46	28	1.7	1.8
	+ 10.6		-2.7	-0.7	+ 7	+ 3	+0.1	0.0
8.HIMACHAL	91.3	262	33.0	18.5	68	55	2.3	3.9
PRADESH	+ 56.5		-3.1	+0.1	+21	+26	+0.2	+0.9
9.JAMMU AND	48.4	165	24.8	11.1	58	43	2.5	4.8
KASHMIR	+ 19.0		-2.1	-2.2	+ 3	+ 5	-0.5	0.0
SUB-DIVISION								
SUB-DIVISION								
1.BAY ISLANDS	288.4	78	31.7	24.4	82	85	6.1	6.3
	- 83.7		+0.8	-0.4	+ 2	+ 1	+0.1	+0.2
2.NORTH ASSAM	261.9	70	32.2	22.4	77	68	4.6	4.1
(INCLUDING NEFA)	-114.6		+1.9	+0.4	- 5	- 8	-1.2	-0.7
3.SOUTH ASSAM	211.1	53	31.7	22.1	75	66	4.5	4.5
(INCL.N.LAND ETC)	-190.6		+0.7	+0.1	- 4	- 6	-0.9	-0.1
4.SUB-HIMALAYAN	352.3	128	32.9	23.0	73	65	4.1	3.8
WEST BENGAL	+ 17.8		+0.4	-0.3	- 3	- 1	-1.0	+0.2
5.GANGETIC WEST-	101.3	92	35.3	25.3	70	63	3.0	4.1
BENGAL	- 8.8		-1.5	-0.9	+ 1	+ 3	-0.7	0.0
6.ORISSA	106.3	177	36.1	25.3	70	59	3.6	4.3
	+ 46.2		-2.1	-2.0	+ 6	+ 7	+0.1	-0.1
7.BIHAR PLATEAU	92.7	172	36.5	24.6	65	49	2.1	4.0
	+ 38.8		-3.2	-1.5	+14	+15	-0.7	-0.3
8.BIHAR PLAINS	69.2	149	36.3	24.1	66	51	2.7	2.3
	+ 22.8		-1.8	-1.3	+ 8	+10	+0.2	+0.4
9.UTTAR PRADESH	44.3	239	38.8	24.8	52	34	1.9	1.6
(EAST)	+ 25.8		-2.2	-1.3	+ 8	+ 7	+0.7	+0.5
10.UTTAR PRADESH	33.4	157	37.2	22.4	47	35	1.4	2.0
(WEST)	+ 12.1		-1.8	-1.7	+ 9	+11	+0.1	+0.2
11.HARYANA(INCLU.	21.0	169	37.4	23.0	47	31	1.4	1.7
DELHI CHANDIGARH)	+ 8.6		-2.8	-1.8	+11	+10	+0.3	+0.3
12.PUNJAB	22.3	191	37.1	22.3	46	28	1.7	1.8
	+ 10.6		-2.7	-0.7	+ 7	+ 3	+0.1	0.0
13.HIMACHAL	91.3	262	33.0	18.5	68	55	2.3	3.9
PRADESH	+ 56.5		-3.1	+0.1	+21	+26	+0.2	+0.9
14.JAMMU AND KASH-	48.4	165	24.8	11.1	58	43	2.5	4.8
-MIR	+ 19.0		-2.1	-2.2	+ 3	+ 5	-0.5	0.0
15.RAJASTHAN(WEST)	2.7	30	40.9	24.6	42	21	0.7	1.2
	- 6.3		-0.5	-1.4	- 2	- 2	-0.1	-0.2
16.RAJASTHAN(EAST)	12.4	98	40.3	25.5	37	21	0.6	1.5
	- 0.2		-0.7	-1.0	- 1	- 3	-0.4	-0.6
17.MADHYA PRADESH	6.2	53	41.0	25.9	37	20	1.6	2.3
(WEST)	- 5.5		+0.1	-0.4	0	0	-0.1	-0.4

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
10.RAJASTHAN	8.0	73	40.6	25.1	39	21	0.6	1.4
	- 3.0		-0.6	-1.2	- 2	- 2	-0.3	-0.4
11.MADHYA PRADESH	18.8	130	40.4	25.8	43	26	1.9	2.9
	+ 4.3		-0.7	-0.6	+ 7	+ 5	0.0	-0.1
12.GUJARAT STATE	0.0	0	38.6	26.1	67	42	1.4	0.8
(INCLU.DIU ETC)	- 4.3		+0.8	+0.2	- 2	- 1	-0.8	-0.7
13.MAHARASHTRA	6.0	21	38.6	26.6	57	38	2.3	2.9
STATE(INCL.GOA)	- 22.0		+0.5	+0.5	0	0	-0.7	-0.6
14.ANDHRA PRADESH	155.9	383	37.2	26.6	69	52	4.3	4.7
	+115.2		-1.6	-0.9	+ 7	+ 7	+0.3	+0.4
28.TAMILNADU	70.9	116	36.8	26.4	69	58	5.7	6.2
(INCL.PONDICH.)	+ 9.8		+0.9	+0.2	+ 1	+ 1	+1.2	+1.2
16.MYSORE	83.2	82	35.2	23.7	71	48	4.4	5.6
	- 18.7		+0.7	+0.4	- 1	- 3	-0.1	+0.5
17.KERALA	682.5	235	32.7	24.8	82	75	6.6	6.8
	+391.7		+0.7	-0.2	- 1	- 1	+0.9	+0.7
SUB-DIVISION								
SUB-DIVISION(CONTD)								
18.MADHYA PRADESH	35.7	196	39.5	25.8	51	33	2.2	3.7
(EAST)	+ 17.5		-1.7	-0.8	+15	+11	0.0	+0.4
19.GUJARAT REGION	0.0	0	41.2	26.6	60	27	0.9	0.5
(INCL.DAMAN ETC)	- 7.0		+1.1	+0.5	- 4	- 2	-1.0	-0.7
20.SAURASHTRAKUTCH	0.0	0	36.7	25.7	72	52	1.7	1.1
(INCLUDING DIU)	- 2.4		+0.6	-0.1	- 1	- 2	-0.7	-0.6
21.KONKAN	1.4	4	33.0	27.4	75	70	3.5	2.4
(INCLUDING GOA)	- 35.7		+0.7	+0.7	0	- 1	-0.8	-1.2
22.MADHYA-	5.5	16	40.2	24.9	56	29	1.8	2.6
-MAHARASHTRA	- 28.2		+1.0	+0.7	- 1	- 1	-0.6	-0.7
23.MARATHWADA	0.0	0	40.8	25.7	39	17	1.6	3.5
	- 19.9		+0.6	+0.7	- 9	- 9	-0.8	-0.3
24.VIDARBHA	13.0	86	41.8	28.2	45	25	2.1	3.3
	- 2.2		0.0	+0.2	+ 4	+ 3	-0.6	-0.3
25.COASTAL ANDHRA	220.6	490	35.6	26.8	75	67	4.7	4.7
-PRADESH	+175.6		-2.0	-1.1	+ 6	+ 7	+0.4	+0.6
26.TELANGANA	127.7	398	38.8	27.0	64	39	3.8	4.6
	+ 95.6		-1.8	-0.7	+ 9	+ 9	+0.4	+0.4
27.RAYALASEEMA	59.7	130	38.0	25.8	62	39	4.3	5.0
	+ 13.6		-0.3	-0.5	+ 4	+ 4	+0.1	+0.3
15.TAMILNADU	70.9	116	36.8	26.4	69	58	5.7	6.2
(INCL.PONDICH.)	+ 9.8		+0.9	+0.2	+ 1	+ 1	+1.2	+1.2
29.COASTAL MYSORE	70.7	39	33.6	26.9	74	68	5.5	5.4
	-108.7		+1.6	+1.2	- 5	- 5	-0.1	0.0
30.INTERIOR MYSORE.	49.5	93	38.1	24.2	63	37	3.5	5.5
(NORTH)	- 3.7		+0.9	+0.4	- 1	- 3	-0.1	+1.0
31.INTERIOR MYSORE.	118.8	112	33.4	21.7	77	49	4.8	5.8
(SOUTH)	+ 13.0		+0.2	0.0	+ 1	+ 1	0.0	+0.4
32.KERALA	682.5	235	32.7	24.8	82	75	6.6	6.8
	+391.7		+0.7	-0.2	- 1	- 1	+0.9	+0.7
33.ARABIAN SEA-	331.9	218	32.2	26.3	77	77	5.5	6.6
ISLANDS	+179.5		+0.2	-0.5	+ 1	0	+0.3	+0.6

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

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena-No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
BAY ISLANDS																												
MAYA BANDAR	31.9	+1.2	34.0	05	24.8	-0.3	22.2	30	209.1	386.1	+ 2.7	70.3	25	14	- 1.7	9.7	8.2	+0.2	0	2	0		9	0	0	0	0	0
LONG ISLAND	32.2	+0.2	34.4	14	25.0	0.0	23.0	30	179.4	256.6	- 80.3	44.4	30	16	+ 2.4	5.8	4.3	+1.8	0	20	0	0	9	0	0	0	0	0
PORT BLAIR	31.8	+0.9	34.8	06	24.5	+0.1	22.0	30	161.2	374.7	+ 22.4	77.0	30	19	+ 3.7	16.2	11.7	-0.4	0	23	0	0	20	0	0	0	1	0
CAR NICOBAR	31.9	+0.6	35.0	08	23.7	-0.8	22.1	21	115.7	227.9	-167.7	30.6	24	15	+ 0.2	5.2	4.0	+0.2	1	18	0	0	0	0	0	0	0	0
NAN COWRY	31.7	+1.2	35.4	01	25.1	+0.2	23.5	28	66.4	217.4	-147.2	42.2	28	19	+ 2.8	8.1	6.1	-1.0	0	23	0	0	4	0	0	0	0	0
KONDUL	30.4	+0.3	32.1	06	23.3	-1.8	21.7	16	75.7	267.8	-132.0	37.2	23	16	- 0.8	5.6	4.0	-0.5	0	20	0	0	0	0	0	0	0	0
HUT BAY/LITTLE ANDAMAN	32.5	..	35.0	04	25.9	..	24.5	02	169.0	369.2	..	73.6	19	20	..	8.9	5.9	..	0	24	0	0	7	0	0	0	0	0
NORTH ASSAM(INCLUDING NEFA)																												
PASIGHAT	30.5	+2.8	35.5	30	22.2	+1.3	18.8	03	568.0	464.0	+ 17.6	211.4	19	13	- 3.9	6.3	9.2	+1.7	1	15	0	1	7	0	0	0	0	0
DIBRUGARH(MOHANBARI)	30.7	+2.1	34.6	31	22.0	+0.5	18.5	03	53.7	237.1	-176.6	55.2	18	14	- 3.7	6.6	4.5	-0.5	0	16	0	2	8	0	0	0	0	0
DIGBOI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
NORTH LAKHIMPUR	30.4	+1.8	35.4	31	21.2	-0.5	17.8	03	156.5	478.1	- 53.2	115.8	25	13	- 6.4	7.7	4.6	..	1	18	0	0	14	0	0	0	0	0
SIBSAGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GOHPUR	31.2	+2.3	35.4	31	21.5	+0.6	18.2	03	55.6	273.5	- 89.0	70.2	19	14	- 0.7	5.4	4.0	..	0	17	0	0	0	0	0	0	0	0
MAJBAT	32.7	..	36.5	06	21.6	..	18.4	07	160.8	389.6	- 51.6	115.0	19	10	-10.1	5.1	3.8	-2.5	0	10	0	0	0	0	0	0	0	0
JORHAT AERODROME	32.1	..	36.0	31	22.7	..	20.0	03	11.3	96.9	..	31.4	21	8	..	..	..	..	1	13	0	0	11	1	0	0	0	0
TANGLA	32.3	+1.8	36.0	08	23.6	+1.7	18.1	03	71.8	308.8	-138.0	41.4	19	13	- 6.1	4.7	4.3	+0.7	0	13	0	0	0	0	0	0	0	0
TEZPUR	32.9	+2.6	35.7	08	22.7	+0.2	20.0	03	33.9	234.4	- 33.8	80.2	19	9	- 6.6	2.9	2.0	-2.5	0	12	0	0	0	0	0	0	0	0
GOLAGHAT	32.1	+2.3	36.1	31	21.3	-0.5	17.4	10	22.2	69.2	-307.3	19.2	13	6	- 9.3	3.8	3.3	..	0	10	0	0	0	0	0	0	0	0
RANGIA	32.3	+1.1	35.8	08	23.2	+1.9	19.4	03	35.8	167.9	-201.6	25.6	18	11	- 6.7	6.1	4.1	..	0	12	0	0	12	0	0	0	0	0
CHAPARMUKH	33.0	+0.7	36.1	07	24.1	+0.9	19.5	02	18.2	78.5	-133.5	15.6	01	9	+ 7.7	6.1	5.2	..	0	12	0	0	2	0	0	0	0	0
GOALPARA	33.0	+1.6	38.6	16	21.0	-1.3	17.4	06	79.9	453.2	- 68.3	148.0	26	14	- 3.8	5.5	3.5	-0.9	1	14	0	0	0	0	0	0	0	0
GAUHATI(BHORJOR)	32.9	+1.8	37.1	20	22.8	0.0	18.4	03	26.3	62.2	-214.3	13.0	01	8	- 7.7	8.5	5.4	..	1	15	0	0	12	0	0	0	1	0
DHUBRI(RUPSI)	32.7	+1.0	36.0	21	22.6	0.0	18.9	01	50.0	365.5	- 23.4	90.3	27	10	- 4.5	8.5	7.0	+0.7	0	14	0	0	17	0	0	0	0	0
[illegible]KI	32.1	+2.2	36.5	21	23.3	+0.3	19.4	01	28.6	223.5	-201.9	49.4	22	10	- 5.8	10.0	8.7	+0.7	0	13	0	0	5	0	0	0	0	0
LUMDING	34.4	+1.9	37.8	19	22.2	+0.1	16.9	10	105.0	125.2	- 43.2	64.4	28	10	- 0.9	5.2	3.8	..	0	11	0	0	0	0	0	0	0	0
BOMDILA	16.1	..	19.5	23	8.9	..	5.5	02	0.0	171.4	..	49.4	28	7	..	8.5	10.2	..	0	11	0	1	0	13	0	0	0	0
TAWANG	16.1	..	17.8	07	9.0	..	7.2	19	31.3	82.2	..	20.4	02	7	..	..	..	..	0	7	0	0	0	0	0	0	0	0
TEZU	30.9	..	36.5	30	20.3	..	16.3	04	69.6	211.7	..	57.4	18	12	..	3.3	1.7	..	0	14	0	0	0	0	0	0	0	0
ALONG	31.2	..	38.0	21	20.5	..	16.6	08	72.5	188.5	..	37.4	22	10	..	..	..	..	0	12	0	0	0	0	0	0	0	0
ZIRO	23.8	..	27.3	12	12.9	..	7.7	07	77.8	156.4	..	33.4	10	12	..	12.2	7.7	..	0	18	0	0	4	6	0	0	0	0
[illegible]SA	29.2	..	30.8	31	18.2	..	16.1	03	61.8	104.7	..	24.9	14	9	..	..	..	..	0	13	0	0	0	0	0	0	0	0
SOUTH ASSAM(INCLUDING NAGALAND, MANIPUR AND TRIPURA)																												
TURA	30.8	-0.2	33.4	31	23.0	+0.1	18.6	01	194.3	333.0	- 83.0	104.0	22	12	- 2.3	7.2	7.3	-2.9	0	16	0	0	0	0	0	0	0	0
[illegible]	27.0	-0.7	30.6	17	20.1	+0.4	18.2	03	47.2	176.4	-356.0	57.0	30	8	-10.8	..	..	..	0	15	0	0	8	0	0	0	0	0
SILCHAR(KUMBHIRGRAM)	33.5	+1.8	38.3	31	23.2	+1.1	19.2	10	41.5	280.4	-269.1	73.9	24	15	- 2.2	7.5	7.0	-0.3	1	17	0	0	12	0	0	0	0	0
[illegible]	31.4	+0.2	35.1	30	24.1	+1.3	20.2	10	75.0	320.2	-109.3	106.0	20	11	- 5.3	0.6	0.3	-2.1	0	16	0	0	10	0	0	0	0	0
IMPHAL(TULIHAL)	31.3	+2.4	33.9	31	16.6	-2.5	12.0	10	12.8	27.9	-202.8	5.8	28	4	- 9.3	15.2	9.2	+1.3	0	12	0	0	5	1	0	0	0	0
KAILASHAHAR	33.7	+0.3	36.1	17	23.4	+0.3	19.1	03	20.3	154.9	-182.4	63.1	24	7	- 7.5	7.5	5.6	+1.1	0	11	0	0	11	0	0	0	1	0
AGARTALA	33.9	+0.7	37.0	21	24.0	-0.2	19.8	05	76.5	185.0	-131.6	68.7	27	6	- 5.1	8.6	6.6	-5.4	1	6	0	0	12	0	0	0	3	0
[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
[illegible]HONG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SUB-HIMALAYAN WEST BENGAL																												
BAGDOGRA	32.7	+0.7	36.8	18	21.6	-1.3	15.0	01	42.5	275.1	+ 21.7	40.6	24	11	- 0.1	..	..	..	0	16	0	0	22	0	0	0	0	0
JALPAIGURI	31.7	+0.8	35.9	18	23.5	+0.6	18.3	01	67.0	345.5	+ 43.2	128.0	22	10	- 3.4	7.5	7.1	-1.3	0	13	0	1	4	0	0	0	0	0
COOCH BEHAR AERODROME	31.7	+0.2	35.6	18	21.7	-1.1	17.0	01	46.1	674.8	+248.1	174.6	25	11	- 4.3	7.1	5.1	-2.1	1	12	0	0	17	0	0	0	0	0
BALURGHAT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MALDA	35.3	-0.3	41.3	19	25.0	+0.3	20.2	03	41.7	113.9	- 1.7	50.4	27	6	+ 0.2	4.4	3.9	-5.1	0	6	0	0	12	0	1	0	0	0
GANGETIC WEST BENGAL																												
BERHAMPORE	35.7	-1.4	39.4	19	24.8	+0.1	20.0	02	44.4	109.8	- 22.3	26.8	02	7	- 0.1	6.3	4.9	-2.0	0	11	0	0	6	0	0	0	0	0
SURI	35.9	-3.5	40.1	19	24.6	-1.4	19.6	03	..	53.5	- 8.5	21.0	02	5	+ 1.1	.	9.5	-2.1	0	7	0	0	4	0	0	0	0	0
ASANSOL	36.4	-2.7	41.9	24	24.7	-1.6	20.2	02	18.4	109.9	+ 26.3	51.0	21	6	+ 1.3	8.4	7.5	-1.4	1	9	0	0	11	0	0	0	0	0
SHANTI NIKETAN	34.9	..	39.2	19	24.7	..	20.1	02	17.2	139.8	..	62.0	21	7	..	6.9	7.0	..	1	9	0	0	10	0	0	0	0	0
KRISHNANAGAR	35.9	-1.1	39.2*	27	24.4	-0.8	19.5	01	32.4	111.6	- 47.4	70.2	02	4	- 4.0	8.5	8.2	-2.6	1	8	0	0	8	0	0	0	0	0
PURULIA	36.4	-3.7	43.4	26	25.1	-1.8	19.9	02	15.8	45.2	+ 4.9	27.6	02	4	+ 0.5	7.8	6.7	-0.4	1	5	0	0	11	0	4	0	0	0
BANKURA	36.6	..	42.0	23	25.0	..	20.6	02	2.0	81.2	- 12.5	24.7	02	4	- 1.4	2.3	1.9	..	0	7	0	0	0	0	0	0	0	0
BURDWAN	36.8	-0.4	39.0	01	25.4	-0.4	19.4	02	63.1	184.7	+ 45.5	79.4	13	8	+ 1.1	12.6	9.0	-0.3	0	8	0	0	0	0	0	0	0	0
CALCUTTA (DUM DUM)	34.8	-0.9	37.4	28	25.4	-0.6	19.8	01	51.1	129.5	+ 12.2	74.0	10	5	- 0.9	13.9	11.0	-5.2	0	9	0	0	11	0	0	0	5	0
CALCUTTA	35.3	-0.5	38.4	28	26.3	-0.2	21.1	02	12.1	64.3	- 69.6	35.8	02	3	- 3.7	10.2	7.6	-1.1	1	7	0	0	11	0	0	0	5	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Haze or dust	Hail	Thunder heard	Fog	Dust-storms	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
GANGETIC WEST BENGAL(CONTD.)																												
MIDNAPORE	35.5	-2.7	39.8	28	24.2	-2.1	19.0	03	6.9	159.8	+ 40.2	89.2	03	6	- 0.7	11.6	7.5	-1.6	0	7	0	0	0	0	0	0	0	0
CONTAI	33.3	-0.3	36.2	31	26.1	-1.2	19.4	03	36.4	118.0	- 17.5	32.8	03	7	+ 2.2	17.1	12.3	-7.2	0	8	0	0	0	0	0	0	0	0
SAGAR ISLAND	32.0	-0.1	33.8	30	27.5	+0.2	21.3	03	2.0	48.3	- 56.1	21.2	02	4	- 1.2	20.9	21.3	-8.4	1	5	0	0	5	0	0	0	0	0
SANDHEADS	32.8	..	34.9	30	28.4	..	21.0	15	0.0	62.9	+ 13.1	37.7	10	3	- 0.2	..	..	..	0	3	0	0	1	0	0	0	0	0
MARENDRAPUR	35.1	..	38.5	28	25.1	..	19.5	01	15.2	60.1	..	32.0	02	4	..	10.0	6.4	..	1	5	0	0	6	0	0	0	0	0
NAGATI	35.4	..	38.4	20	24.3	..	17.7	05	61.7	99.5	..	30.3	08	7	..	8.5	7.2	..	1	9	0	1	2	0	0	0	0	0
ORISSA																												
BARIPADA	36.8	-3.8	42.0	28	25.6	-0.3	20.8	01	2.9	33.5	- 81.0	14.0	14	4	- 1.8	5.4	4.1	-0.7	3	7	0	0	12	0	0	0	0	0
JHARSUGUDA	37.9	-4.1	43.5	28	25.3	-2.4	20.1	08	59.8	107.8	+ 84.2	37.5	12	6	+ 4.3	7.8	7.1	-1.7	0	8	0	0	13	0	0	0	3	0
KEONJHARGARH	34.5	-4.4	40.9	27	..	..	..	..	81.0	134.3	+ 78.4	39.0	12	11	+ 6.8	9.4	5.9	-2.6	0	11	0	0	10	0	0	0	0	0
BALASORE	34.5	-1.9	37.8	27	24.2	-2.5	20.1	01	4.3	62.5	- 31.0	31.0	30	6	+ 0.6	14.9	10.9	-2.6	0	10	0	0	0	0	0	0	0	0
SAMBALPUR	39.2	-2.9	44.3	28	24.2	-3.4	19.9	03	0.0	29.6	+ 4.5	10.2	01	6	+ 3.8	7.3	5.1	-1.6	0	6	0	0	0	0	0	0	0	0
ANGUL	36.5	-3.8	43.2	27	23.4	-3.4	17.8	08	2.2	95.6	+ 40.7	26.6	12	7	+ 2.7	..	..	..	0	8	0	0	0	0	0	0	0	0
CHANDBALI	34.3	-2.1	38.4	31	24.3	-2.3	19.0	10	127.0	154.7	+ 52.3	97.8	10	7	+ 2.3	16.3	12.5	-4.4	0	9	0	0	0	0	0	0	0	0
BOLANGIR	38.9	-2.9	44.5	28	25.4	-4.0	19.1	02	28.4	118.2	+102.4	52.0	31	7	+ 5.0	12.7	8.0	-2.9	0	9	0	1	7	0	0	0	0	0
PHULBANI	36.1	..	43.0	28	23.2	..	19.5	02	0.0	55.1	..	15.2	12	5	..	6.8	4.0	..	0	6	0	0	5	0	0	0	0	0
CUTTACK	36.9	-1.9	42.2	28	26.5	-0.4	21.6	02	35.0	84.3	+ 4.3	23.3	08	8	+ 3.0	8.5	6.6	-2.5	0	9	0	0	10	0	0	0	0	0
TITLAGARH	41.0	-0.5	46.1	28	25.6	-2.3	21.8	02	0.0	66.5	+ 34.2	23.8	12	4	+ 1.4	3.4	3.7	-1.6	0	6	0	0	0	0	0	0	0	0
BHUBANESWAR	36.4	-1.6	40.4	28	25.6	-1.5	20.2	08	1.6	36.5	- 24.3	9.4	01	4	+ 1.6	18.7	15.5	-2.1	0	8	0	0	8	0	0	0	0	0
PURI	33.0	+1.4	33.8	16	28.0	+0.3	25.8	02	0.0	32.4	- 30.6	12.6	10	4	+ 1.0	21.2	17.6	-8.6	1	5	0	0	0	0	0	0	0	0
GOPALPUR	32.6	+0.5	34.3	29	25.1	-1.7	20.9	29	9.2	78.4	+ 28.4	14.2	30	10	+ 7.2	..	..	..	1	14	0	0	14	0	0	0	0	0
KORAPUT	33.0	-1.1	37.4	29	..	..	..	..	52.1	453.9	+383.8	354.0	31	10	+ 4.5	..	..	..	0	16	0	0	0	0	0	0	0	0
PARADIP PORT	34.5	..	36.2	15	24.5	..	20.7	04	19.6	52.6	..	25.0	04	4	..	31.8	24.0	..	0	5	0	0	0	0	0	0	0	0
ROURKELA	38.2	..	44.4	28	25.9	..	20.8	01	30.2	92.2	..	26.4	12	7	..	..	..	..	0	7	0	0	3	0	0	0	0	0
BHUBANI PATNA	39.2	..	47.7	29	26.4	..	21.0	12	0.0	53.0	..	26.0	03	3	..	10.5	10.1	..	0	3	0	0	0	0	0	0	0	0
BIHAR PLATEAU																												
DUMKA	35.9	-2.0	41.5	19	23.9	-1.6	18.9	02	108.9	204.0	+118.1	43.8	13	8	+ 2.8	6.2	6.7	+0.2	0	9	0	0	0	0	0	0	0	0
DALTONGANJ	39.8	-1.8	44.6	25	25.2	-0.2	20.6	02	36.0	37.0	+ 21.8	16.8	02	3	+ 1.5	..	..	..	0	5	0	0	0	0	0	0	0	0
HAZARIBAGH	..	..	..	..	..	..	..	..	31.4	62.0	+ 13.5	34.8	02	4	+ 0.6	6.3	4.4	-6.1	2	6	0	0	14	0	1	0	1	0
DHANBAD	36.1	-2.7	43.9	26	25.5	-0.4	19.7	02	36.1	77.5	+ 28.3	28.0	02	5	+ 1.6	10.0	6.6	-2.6	0	10	0	0	9	0	0	0	0	0
RANCHI AERODROME	33.6	-4.4	40.0	26	22.4	-2.3	17.8	01	88.9	133.1	+ 79.0	32.5	12	11	+ 7.2	12.0	9.7	-1.1	1	16	0	2	17	0	0	0	1	0
JAMSHEDPUR	36.4	-3.6	43.1	27	25.6	-1.2	20.0	01	24.5	39.2	- 35.7	9.8	04	5	- 0.2	8.9	7.8	0.0	0	8	0	0	5	0	1	0	1	0
JAMSHEDPUR P.B.O.	36.5	-4.6	43.6	27	25.4	-2.2	20.3	03	46.5	65.4	+ 29.3	27.0	04	7	+ 3.9	8.2	6.5	-0.6	0	9	0	0	13	0	0	0	2	0
CHAIBASA	37.1	-3.4	43.2	27	24.2	-2.6	19.0	01	114.0	123.0	+ 55.7	52.4	21	7	+ 1.8	5.2	4.0	-0.5	0	7	0	0	7	0	0	0	0	0
BIHAR PLAINS																												
MOTIHARI	35.7	-1.0	41.5	17	22.8	-1.4	17.9	30	3.0	60.3	+ 10.5	28.0	28	4	+ 1.1	..	..	..	0	5	0	0	1	0	0	0	0	0
FORBESGANJ	34.3	-1.8	41.0	19	24.6	+0.9	17.8	03	3.2	55.4	- 44.6	41.0	27	3	- 2.0	11.9	9.5	-1.1	0	5	0	0	4	0	0	0	0	0
DARBHANGA	35.4	-1.0	41.3	18	23.0	-1.7	18.7	01	21.0	121.2	+ 61.3	38.5	28	6	+ 2.2	6.8	6.0	-2.2	0	6	0	0	3	0	2	0	0	0
MUZAFFARPUR	35.6	..	41.5	19	24.9	..	20.3	02	7.2	52.6	+ 1.3	23.0	28	4	+ 1.2	7.5	6.1	..	0	6	0	0	5	0	0	0	0	0
CHAPRA	37.5	..	42.8	25	25.4	..	19.3	02	5.8	72.2	+ 49.4	41.1	02	4	+ 2.2	6.6	6.6	..	0	4	0	0	3	0	0	0	0	0
PURNEA	34.6	-0.5	40.9	18	21.7	-2.2	16.4	01	24.8	81.2	- 19.4	36.0	28	5	- 0.5	5.5	3.9	-3.5	0	7	0	0	2	0	0	0	0	0
PATNA AERODROME	36.9	-2.9	42.2	25	25.7	-0.4	19.7	02	3.2	67.1	+ 45.7	32.1	12	3	+ 1.8	10.5	8.1	-1.5	0	4	0	0	5	0	1	0	2	0
ARRAH	..	..	..	..	..	..	..	..	..	11.3	- 6.3	4.4	12	3	+ 1.3	..	..	..	0	3	0	0	0	0	0	0	0	0
BHAGALPUR	36.0	-2.3	42.0	18	25.8	+0.1	20.0	02	33.8	107.1	+ 59.0	54.0	28	4	+ 1.1	8.9	7.7	-2.4	0	7	0	0	5	0	0	0	0	0
SABAUR	36.1	-1.3	41.6	18	23.2	-1.7	18.0	02	54.8	113.8	+ 58.4	37.6	08	4	+ 0.3	8.7	7.4	-3.1	1	5	0	0	9	0	0	0	1	0
JAMUI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DEHRI	38.6	-3.4	45.0	25	23.6	-4.4	16.7	02	20.2	49.9	+ 37.2	28.6	02	4	+ 2.8	7.0	5.6	-1.8	0	5	0	0	2	0	0	0	0	0
GAYA	39.0	-2.3	45.3	25	26.1	-1.3	18.0	02	30.1	38.7	+ 21.9	34.5	02	1	- 0.3	..	..	..	0	4	0	0	6	0	0	0	3	0
SUPAUL	38.5	..	40.4	10	22.0	..	19.6	01	32.0	108.7	..	30.0	28	5	..	.	8.6	..	0	6	0	0	0	0	0	0	0	0
UTTAR PRADESH EAST																												
KHERI	37.6	-2.7	44.0	26	23.0	-2.3	17.0	02	1.2	66.6	+ 42.3	43.8	12	3	+ 1.9	6.2	4.7	-0.8	0	6	0	0	6	0	2	0	0	0
BAHRAICH	38.1	-1.7	44.4	26	24.9	-0.7	18.7	01	0.8	44.4	+ 14.4	14.8	20	4	+ 1.9	11.2	9.3	+0.9	0	5	0	0	3	0	3	0	0	0
NAUTANWA	36.6	-2.5	42.2	23	22.2	-2.5	14.2	01	0.0	71.4	+ 33.8	53.4	01	3	+ 1.0	8.4	5.8	-3.2	0	4	0	0	0	0	0	0	0	0
HARDOI	39.3	-1.8	45.0	25	24.5	-0.8	18.1	03	0.0	0.0	- 8.8	0.0	..	0	- 0.6	9.9	7.9	0.0	0	0	0	0	0	0	1	0	0	0
GONDA	38.6	-1.3	44.6	25	23.8	-1.8	17.1	01	0.0	21.4	- 8.2	19.2	01	1	- 1.1	8.9	6.6	-1.1	0	2	0	0	2	0	0	0	0	0
LUCKNOW	37.7	-3.5	44.0	26	24.0	-2.5	17.5	02	0.0	67.8	+ 52.8	39.6	12	3	+ 1.9	..	..	..	0	4	0	0	3	0	0	0	0	0
LUCKNOW(AMAUSI)	38.6	-2.5	45.0	26	24.3	-1.3	18.6	01	0.2	39.0	+ 23.4	16.4	01	3	+ 2.4	14.5	11.6	+1.0	2	4	0	1	7	0	1	0	1	0
FAIZABAD	39.3	0.0	46.0	25	24.3	+0.5	18.0	02	1.0	11.6	- 10.3	6.4	01	2	0.0	6.7	4.9	+0.1	0	3	0	0	3	0	1	0	0	0
GORAKHPUR	38.3	-0.7	43.7	23	24.9	-1.0	19.8	02	1.4	3.8	- 36.8	1.8	12	0	- 2.5	7.4	5.8	-1.3	0	3	0	0	0	0	0	0	0	0
KANPUR	39.5	-2.2	46.1	26	25.2	-2.0	19.5	01	0.0	47.2	+ 38.8	40.0	12	2	+ 0.9	16.9	12.8	-0.1	0	4	0	0	1	0	1	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – MAY ,1969VAISAKHA 11 – JYAISTHA 10,1891 SAKA

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																												
KANPUR(AERODROME)	40.1	..	46.3	27	25.3	..	15.9	12	0.0	32.1	..	23.8	12	3	..	..	..	..	0	4	0	0	5	0	3	0	0	0
SULTANPUR	39.5	-1.5	46.0	26	25.4	-0.6	19.0	01	0.0	37.9	+ 16.5	25.0	01	3	+ 1.4	6.9	5.2	-1.3	0	3	0	0	4	0	0	0	0	0
AZAMGARH	38.6	-2.8	44.9	24	25.0	-1.1	17.9	02	22.4	63.4	+ 54.9	48.4	02	3	+ 2.3	4.4	3.6	..	0	3	0	0	0	0	1	0	0	0
FATEHPUR	39.6	-2.7	45.5	26	25.5	-1.8	15.3	02	0.0	35.6	+ 30.0	35.0	02	1	+ 0.4	..	..	..	0	2	0	1	1	0	0	0	0	0
BALLIA	38.6	-3.2	46.4	26	25.4	0.0	19.3	02	4.8	83.2	+ 60.4	41.4	02	3	+ 1.4	5.2	6.3	-0.9	0	3	0	0	0	0	0	0	0	0
BANDA	42.1	-0.9	47.0	25	26.6	-1.4	19.8	03	0.2	0.3	- 6.6	0.2	02	0	- 0.5	7.4	3.8	-0.4	2	0	0	0	0	0	0	0	0	0
ALLAHABAD(BAMHRAULI)	40.1	-2.0	46.5	27	26.0	-1.4	18.7	02	0.0	39.8	+ 25.8	18.2	02	3	+ 2.3	7.5	5.2	-3.5	0	4	0	0	7	0	6	0	5	0
VARANASI(BABATPUR)	38.5	-3.0	45.0	25	25.6	-1.3	18.7	02	12.2	76.9	+ 69.0	55.5	02	4	+ 3.6	14.5	12.8	+0.1	0	5	0	1	7	0	3	0	0	0
VARANASI	37.6	-3.9	43.5	25	25.2	-1.8	19.0	02	6.6	87.2	+ 73.5	38.6	02	4	+ 2.9	..	..	..	0	4	0	0	2	0	1	0	0	0
UTTAR PRADESH WEST																												
MUKHIM	24.4	-1.1	27.0	10	14.1	-1.3	6.7	02	58.9	87.2	+ 16.8	37.5	31	8	+ 3.4	..	..	..	0	12	0	0	6	0	0	0	0	0
TEHRI	34.5	-2.3	41.4	26	19.0	-0.7	13.4	03	36.4	58.6	+ 23.7	19.3	12	7	+ 3.8	5.0	3.3	..	0	11	0	0	20	0	0	0	0	0
DEHRA DUN	34.2	-2.0	41.1	26	19.8	-1.7	13.6	03	48.5	71.2	+ 35.4	37.6	12	6	+ 3.0	5.0	3.7	-0.4	0	12	0	0	11	0	1	0	0	0
MANSIARI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
ROORKEE	38.0	-1.4	45.1	26	21.1	-2.5	15.1	03	0.8	4.4	- 14.1	2.3	13	0	- 1.7	9.8	6.8	-0.4	0	4	0	0	4	0	1	0	0	0
NAJIBABAD	37.9	-1.8	44.0	26	22.3	-0.6	15.6	03	0.7	8.6	- 7.9	3.2	20	2	+ 0.8	13.0	8.5	+2.1	0	4	0	0	4	0	0	0	0	0
MEERUT	38.3	-1.7	45.0	26	20.3	-4.5	12.7	02	..	14.0	- 1.2	14.0	13	1	- 0.6	.	9.1	+0.5	0	1	0	0	0	0	0	0	0	0
BAREILLY	38.0	-2.5	45.7	27	25.0	-0.8	17.7	02	27.8	48.1	+ 32.9	27.8	12	4	+ 2.6	10.3	7.9	+1.2	0	4	0	2	4	0	1	0	0	0
ALIGARH	38.8	-2.4	44.1	27	24.0	-2.3	15.3	02	4.4	25.8	+ 12.9	15.6	02	2	+ 0.7	10.2	8.2	-0.6	0	2	0	0	2	0	1	0	0	0
MAINPURI	40.1	-2.1	46.0	24	24.7	-1.5	17.8	03	0.0	40.3	+ 27.6	26.4	01	4	+ 2.7	..	..	..	0	4	0	1	4	0	3	0	0	0
AGRA	40.2	-1.6	45.6	24	25.7	-1.5	17.4	02	9.2	24.8	+ 15.7	13.3	02	4	+ 3.0	7.8	6.3	+0.4	0	5	0	0	0	0	2	0	0	0
AGRA AERODROME	39.9	..	45.8	25	25.0	..	16.6	02	12.5	34.8	..	15.0	12	3	..	..	..	..	0	4	0	0	9	0	4	0	0	0
ORAI	40.9	-1.7	46.0	24	25.7	-1.4	18.4	02	0.0	1.8	- 4.0	1.4	12	0	- 0.7	12.5	10.3	+1.0	0	2	0	0	0	0	4	0	0	0
JHANSI	41.5	-1.1	46.3	26	26.7	-2.1	20.0	02	4.2	16.2	+ 7.8	12.0	13	2	+ 1.2	4.4	4.1	-3.0	0	2	0	0	0	0	0	0	0	0
MORADABAD	37.3	..	44.2	26	21.1	..	15.8	03	0.0	0.0	..	0.0	..	0	..	7.5	6.9	..	0	0	0	0	3	0	0	0	0	0
UTTAR KASHI	31.1	..	37.8	26	17.2	..	12.7	03	..	72.2	..	12.0	06	9	..	..	..	..	0	12	0	0	0	0	0	0	0	0
ASCOT	..	..	..	..	..	..	..	..	32.8	94.5	..	46.0	12	7	..	..	..	..	0	9	0	1	8	7	0	0	0	0
DHARCHULA	..	..	..	..	..	..	..	..	25.0	43.0	..	24.0	12	3	..	5.9	3.6	..	0	6	0	0	3	0	3	0	0	0
HARYANA(INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	36.3	-2.0	42.8	27	21.1	-2.5	14.2	02	2.5	27.1	+ 14.0	18.2	14	4	+ 2.6	..	..	..	0	4	0	0	2	0	0	0	0	0
AMBALA	37.3	-3.5	44.0	27	23.0	-1.9	15.6	02	0.0	7.0	- 12.3	5.8	14	1	- 0.6	6.9	5.4	-2.6	0	2	0	0	2	0	0	0	0	0
AMBALA AERODROME	37.7	..	44.2	27	22.2	..	15.6	02	1.2	11.1	..	6.2	14	2	..	..	..	..	0	5	0	0	7	0	3	0	0	0
KARNAL	37.5	-2.2	43.5	27	22.6	-1.6	15.1	02	15.3	17.8	+ 10.6	9.7	02	2	+ 1.2	8.3	7.0	..	0	4	0	0	0	0	0	0	0	0
HISSAR	38.1	-3.5	45.0	31	23.6	-1.0	13.5	02	9.7	21.5	+ 8.6	9.4	02	3	+ 1.7	10.2	8.0	-0.5	0	4	0	0	6	0	3	0	0	0
NEW DELHI/SAFDARJUNG	37.9	-2.6	43.2	24	24.8	-1.8	15.1	02	11.3	31.5	+ 21.8	16.4	02	3	+ 1.7	15.1	11.2	-1.7	0	6	0	0	6	0	0	0	0	0
PALAM AERODROME	38.1	..	43.6	24	23.0	..	12.7	02	10.8	25.2	..	12.6	02	2	..	..	..	..	0	4	0	0	5	0	0	0	1	0
GURGAON	38.2	..	44.0	26	23.4	..	13.6	02	2.5	27.6	..	16.1	13	2	..	..	..	..	0	2	0	0	0	0	0	0	0	0
NARNAUL	38.7	..	44.7	29	23.9	..	13.6	02	10.4	47.4	..	37.0	13	2	..	8.9	8.7	..	0	2	0	1	2	0	1	0	0	0
ROHTAK	38.4	..	43.0	26	22.5	..	13.1	02	..	40.7	..	24.6	13	3	..	.	10.4	..	0	3	0	0	2	0	0	0	0	0
PUNJAB																												
PATHANKOT	36.4	-2.6	42.7	28	21.2	-2.0	14.0	02	19.8	27.1	+ 10.0	16.0	13	2	+ 0.6	..	..	..	1	5	0	0	5	0	1	0	1	0
AMRITSAR	36.6	-2.3	42.7	29	20.9	-0.5	13.4	02	18.4	20.2	+ 10.6	16.8	14	1	- 0.2	..	..	..	0	3	0	0	6	0	0	0	0	0
ADAMPUR AERODROME	36.8	..	42.8	28	19.6	..	10.8	02	13.2	50.8	..	41.8	14	3	..	..	..	..	0	4	0	0	8	0	4	0	0	0
LUDHIANA	38.1	-3.1	45.0	28	22.7	-1.5	13.4	02	2.4	21.5	+ 8.6	11.4	14	2	+ 0.5	6.9	5.1	+0.3	0	5	0	0	0	0	0	0	0	0
FEROZEPUR	36.8	-2.7	44.0	31	22.4	0.0	12.0	02	33.4	36.5	+ 30.4	35.0	14	1	+ 0.5	6.0	4.0	+0.5	0	2	0	0	0	0	1	0	0	0
HALWARA AERODROME	37.8	..	43.5	28	21.2	..	12.0	02	0.0	22.4	..	12.8	14	2	..	..	..	..	0	2	0	1	7	0	2	0	0	0
PATIALA	36.2	-4.0	43.5	27	22.8	-1.2	15.2	02	11.0	18.4	+ 4.4	11.0	02	2	+ 0.6	8.8	10.3	+0.5	0	2	0	0	4	0	1	0	0	0
BHATINDA	38.4	-1.7	44.9	31	23.6	+0.9	12.4	02	6.0	10.0	- 0.3	6.0	02	2	+ 1.0	5.9	4.9	-0.7	0	2	0	0	4	0	0	0	0	0
HIMACHAL PRADESH																												
MANDI	31.9	-2.9	38.5	27	16.0	-1.3	12.9	06	14.8	66.6	+ 20.9	14.4	14	7	+ 3.3	..	..	..	0	10	0	0	3	0	0	0	0	0
BILASPUR	34.1	-3.2	40.8	27	20.9	+1.4	9.3	14	37.0	116.0	+ 92.2	50.0	14	4	+ 1.9	5.9	6.5	-0.2	0	4	0	1	9	0	1	0	0	0
JAMMU AND KASHMIR																												
MISGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
GILGIT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
SKARDU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
DRAS	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
SONAMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
LEH	16.6	-0.5	22.6	31	1.2	-1.6	- 8.3	01	0.0	5.1	- 0.2	4.5	24	1	+ 0.4	..	..	..	1	2	2	0	0	0	0	0	0	0
SRINAGAR	21.8	-2.8	31.4	31	10.4	-0.8	3.7	01	46.1	110.8	+ 51.1	44.8	14	6	+ 0.4	5.2	4.8	+0.5	3	10	0	0	5	0	0	0	0	0
SRINAGAR AERODROME	20.3	..	30.3	31	9.6	..	2.2	01	53.2	114.5	..	44.5	14	6	..	..	..	..	1	8	0	0	9	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena- No. of days with: Precipitation: 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR(CONTD)																												
GULMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
QAZIGUND	18.4	..	29.9	31	9.5	..	0.2	01	63.6	197.0	..	56.4	14	10	..	..	..	..	0	13	0	0	12	0	0	0	0	0
BANIHAL	23.3	..	32.5	22	12.4	..	6.5	01	15.6	83.2	..	28.3	14	5	..	..	..	..	0	12	0	0	7	0	0	0	0	0
JAMMU	36.0	-3.0	42.3	28	21.8	-4.0	16.0	02	2.6	29.3	+ 6.2	12.0	13	3	+ 0.9	6.6	5.5	..	0	4	0	0	0	0	0	0	0	0
JAMMU AERODRUME	35.5	..	42.0	28	21.9	..	14.2	01	5.4	34.9	..	17.4	13	4	..	..	..	..	0	5	0	0	6	0	0	0	0	0
GULMARG (RESEARCH INSTITUTE)	13.0	..	22.1	30	3.5	..	- 4.8	01	96.7	189.6	..	40.8	11	12	..	..	..	..	0	13	2	1	9	6	0	0	0	0
RAJASTHAN,WEST																												
GANGANAGAR	39.2	-2.3	47.0	31	23.2	-0.8	13.5	02	8.0	6.3	- 9.5	3.1	12	1	- 0.7	5.1	4.2	-3.8	2	3	0	0	6	0	2	0	0	0
ANUPGARH	41.3	..	47.3	28	24.3	..	19.3	14	0.0	13.5	..	8.2	13	2	..	11.9	10.7	..	0	2	0	0	0	0	0	0	0	0
CHURU	39.7	-1.4	45.8	29	22.9	-1.9	11.8	02	0.0	9.9	- 1.3	9.9	13	1	- 0.8	14.6	10.0	-0.6	0	1	0	0	2	0	3	0	0	0
BIKANER	40.8	-1.2	47.4	28	25.4	-1.8	15.1	02	0.7	0.7	- 12.2	0.7	13	0	- 1.1	16.1	12.8	+2.7	0	1	0	0	1	0	4	0	0	0
NAGAUR	41.0	+0.3	45.0	28	24.1	-1.8	15.4	02	1.4	1.4	- 2.5	1.4	13	0	- 0.3	14.5	11.4	-0.9	0	1	0	0	0	0	6	0	0	0
PHALODI	41.4	-0.2	46.0	28	24.7	-1.9	18.0	02	0.0	0.0	- 9.7	0.0	..	0	- 0.8	20.6	17.3	-3.4	0	0	0	0	0	0	2	0	0	0
JAISALMER	41.5	-0.1	46.4	29	24.3	-1.5	19.3	14	0.0	6.2	+ 2.3	6.2	11	1	+ 0.4	18.5	15.4	-2.9	0	1	0	0	0	0	0	0	0	0
JODHPUR	41.8	+0.2	45.1	28	26.5	-0.8	20.4	11	0.0	0.0	- 9.7	0.0	..	0	- 1.0	..	..	..	0	0	0	0	2	0	0	0	0	0
BARMER	42.0	+0.1	45.7	28	..	..	..	..	0.0	0.0	- 9.7	0.0	..	0	- 0.6	11.4	11.1	-1.8	0	0	0	0	0	0	0	0	0	0
PRINPURA (JAWAI DAM)	41.1	+0.9	44.1	22	25.9	-0.3	18.3	03	0.0	0.0	- 4.0	0.0	..	0	- 0.4	3.4	2.3	-8.2	0	0	0	0	0	0	0	0	0	0
JALORE	41.6	..	44.3	27	..	..	..	..	0.0	0.0	..	0.0	..	0	..	13.4	12.2	..	0	0	0	0	0	0	15	0	0	0
RAJASTHAN,EAST																												
PILANI	38.6	-2.1	44.8	29	23.8	-0.5	13.5	02	3.1	9.9	- 3.1	6.8	13	2	+ 1.0	14.9	10.4	-3.2	0	2	0	1	2	0	2	0	0	0
SIKAR	38.9	-0.8	44.1	29	22.4	-1.9	14.0	03	4.0	10.3	- 1.8	6.3	13	2	+ 1.1	1.5	1.5	-7.9	0	2	0	0	0	0	0	0	0	0
ALWAR	38.8	-2.5	45.2	29	25.3	-2.3	15.7	02	44.4	54.0	+ 38.6	34.0	02	2	0.0	8.5	5.8	-0.7	0	2	0	0	8	0	1	0	0	0
JAIPUR(SANGANER)	39.9	-0.7	44.8	29	25.3	-0.5	16.6	02	7.4	20.0	+ 6.8	17.0	31	2	+ 0.5	..	..	..	1	2	0	1	6	0	8	0	2	0
DHOLPUR	40.9	-1.5	47.8	25	24.8	-2.6	16.7	02	0.3	40.1	+ 29.5	25.5	02	3	+ 1.8	9.1	5.4	-2.3	0	6	0	0	6	0	0	0	0	0
AJMER	40.4	+0.9	43.0	25	27.7	+0.4	22.0	18	0.0	0.0	- 16.0	0.0	..	0	- 1.4	17.2	14.4	+1.3	0	0	0	0	0	0	0	0	0	0
TONK	42.3	+0.5	49.7	31	26.2	+0.1	18.5	02	0.0	0.0	- 11.9	0.0	..	0	- 1.0	14.6	11.5	+1.2	0	0	0	0	0	0	0	0	0	0
BHILWARA	41.2	..	43.8	24	25.7	..	18.5	03	0.0	0.0	..	0.0	..	0	..	11.8	9.7	..	0	0	0	0	0	0	0	0	0	0
KOTA	41.5	-1.1	44.8	25	26.8	-2.9	18.8	03	0.0	1.4	- 9.5	1.4	13	0	- 1.0	10.2	6.9	-1.3	0	1	0	0	1	0	0	0	0	0
KOTA AERODRUME	41.9	..	45.8	28	29.0	..	22.0	03	0.0	2.0	..	2.0	13	0	..	18.3	14.3	..	0	1	0	0	2	0	4	0	1	0
CHAMBAL (RAWAT BHATTA DAM)	41.1	-0.6	44.6	24	27.2	+0.6	20.6	06	0.5	0.5	- 11.4	0.5	14	0	- 1.2	13.3	9.7	-0.4	0	1	0	0	2	0	1	0	0	0
UDAIPUR	39.1	+0.5	42.8	25	24.8	-0.1	19.4	04	0.0	0.0	- 15.7	0.0	..	0	- 1.4	6.9	4.8	-1.5	0	0	0	0	0	0	0	0	0	0
JHALAWAR	42.1	+0.1	45.9	25	26.2	-1.1	20.3	03	0.0	0.0	- 8.1	0.0	..	0	- 1.0	13.7	9.9	+0.9	0	0	0	0	0	0	0	0	0	0
BANSWARA	42.3	..	45.2	26	27.9	..	23.7	03	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
DUNGARPUR	41.1	..	45.1	26	25.4	..	21.0	03	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
SIROHI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SAWAI MADHOPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MADHYA PRADESH,WEST																												
GWALIOR	40.8	-1.8	45.8	24	25.9	-2.1	18.2	03	..	12.9	+ 6.1	6.2	02	2	+ 1.1	.	8.9	+1.1	1	4	0	1	7	0	1	0	0	0
SHEOPUR	41.8	-0.6	45.6	26	26.9	+0.1	20.0	03	0.0	0.0	- 10.0	0.0	..	0	- 0.6	15.1	10.2	+0.7	0	0	0	0	2	0	1	0	0	0
SHIVPURI	39.8	..	44.8	31	23.4	..	16.5	04	0.0	0.0	..	0.0	..	0	..	12.9	8.4	..	0	0	0	0	0	0	0	0	0	0
NOWGONG	41.1	-1.6	46.1	25	25.5	-0.9	18.3	04	0.0	0.0	- 9.1	0.0	..	0	- 0.9	10.6	7.1	+1.1	0	0	0	0	0	0	0	0	0	0
GUNA	41.3	-0.2	44.8	12	25.3	-0.5	19.1	04	16.7	16.7	+ 5.8	16.7	14	1	+ 0.1	17.1	11.1	+0.7	0	1	0	1	1	0	0	0	0	0
NIMACH	39.9	-0.1	44.2	26	26.7	+0.6	20.6	03	0.0	0.0	- 14.5	0.0	..	0	- 1.2	15.5	12.6	-1.3	0	0	0	0	0	0	0	0	0	0
RAJGARH	42.2	-0.2	45.6	27	27.3	+0.3	20.9	04	0.0	0.0	- 13.3	0.0	..	0	- 1.1	15.9	12.7	+0.2	0	0	0	0	0	0	0	0	0	0
SAGAR	42.6	+1.9	45.7	28	..	..	..	..	..	12.0	+ 2.1	12.0	15	1	- 0.1	.	15.5	+5.4	0	1	0	0	1	0	0	0	0	0
RATLAM	40.6	+1.1	44.8	26	25.8	-0.1	21.1	03	0.0	0.0	- 10.6	0.0	..	0	- 0.9	12.2	11.7	+0.8	0	0	0	0	0	0	0	0	0	0
BHOPAL(BAIRAGARH)	40.9	+0.2	44.2	27	25.3	-1.1	18.8	04	0.0	0.0	- 10.2	0.0	..	0	- 0.8	16.8	12.9	+1.0	0	0	0	0	2	0	0	0	1	0
UJJAIN	40.1	..	44.3	26	24.7	..	18.6	04	0.0	0.0	..	0.0	..	0	..	17.6	14.6	..	0	0	0	0	0	0	0	0	0	0
NARSINGHPUR	42.6	..	46.0	25	24.8	..	18.0	04	1.0	0.0	..	0.0	..	0	..	9.1	4.6	..	0	0	0	0	0	0	0	0	0	0
HOSHANGABAD	42.4	+0.4	46.1	28	26.9	-0.7	22.2	04	0.0	0.0	- 11.4	0.0	..	0	- 1.1	7.8	6.7	+0.3	0	0	0	0	0	0	0	0	0	0
INDORE	40.1	+0.2	44.0	26	24.8	0.0	19.2	03	0.0	0.0	- 12.7	0.0	..	0	- 1.3	23.4	20.8	-3.6	0	0	0	0	0	0	0	0	0	0
RAJPUR(JHABUA)	40.3	+0.6	42.8	25	25.3	-0.4	20.4	04	0.0	0.0	- 11.4	0.0	..	0	- 0.3	11.7	8.8	-4.7	0	0	0	0	0	0	0	0	0	0
CHHINDWARA	39.3	-0.1	43.0	25	25.0	-1.1	21.1	05	35.0	35.5	+ 20.3	35.0	31	1	- 0.2	..	..	..	0	2	0	0	2	0	0	0	0	0
SEONI	40.2	-0.2	44.4	27	25.5	0.0	21.0	02	14.6	18.0	- 5.4	5.8	21	3	+ 0.9	11.1	7.5	+0.5	0	5	0	0	4	0	0	0	0	0
BETUL	40.2	+0.9	43.6	27	24.7	-0.1	20.0	02	9.0	2.2	- 8.1	2.2	30	0	- 1.0	9.3	5.8	-1.3	0	1	0	0	1	0	0	0	0	0
KHANDWA	42.9	+1.0	45.8	26	27.5	-0.4	19.2	04	0.0	2.1	- 6.0	2.1	15	0	- 0.7	17.4	13.7	-0.4	0	1	0	0	1	0	0	0	0	0
TIKAMGARH	41.4	..	45.5	24	23.6	..	18.4	04	..	0.0	..	0.0	..	0	..	.	7.6	..	0	0	0	0	3	0	4	0	0	0
MADHYA PRADESH,EAST																												
SATNA	41.3	-0.8	45.7	28	26.3	-0.6	20.7	04	2.4	5.7	- 6.8	3.4	15	1	- 0.2	10.5	7.8	+0.4	0	2	0	0	5	0	0	0	0	0
REWA	40.7	..	44.6	24	25.8	..	19.2	02	19.5	19.5	..	18.2	21	1	..	8.0	5.7	..	0	2	0	0	5	0	3	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
MADHYA PRADESH,EAST(CONTD.)																												
REWA																												
SIDHI	40.7	-1.3	45.4	27	26.4	+0.6	20.0	01	27.2	33.5	+ 30.4	19.2	30	2	+ 1.4	..	..	..	0	2	0	0	0	0	0	0	0	0
UMARIA	40.4	-1.0	45.1	27	25.4	-1.1	20.5	05	12.4	22.6	+ 12.7	10.2	15	4	+ 3.0	9.6	6.1	+0.3	0	4	0	0	6	0	0	0	0	0
JABALPUR	41.7	-0.2	45.5	27	26.2	+0.3	21.0	04	0.0	0.0	- 14.5	0.0	..	0	- 1.4	9.5	6.7	-0.4	0	0	0	0	2	0	0	0	0	0
AMBIKAPUR	37.4	-2.2	42.8	28	24.6	-0.2	17.8	02	18.4	43.4	+ 28.6	21.6	02	3	+ 1.5	11.3	9.5	-0.2	1	8	0	1	7	0	1	0	0	0
JASHPURNAGAR	33.9	..	40.2	27	21.4	..	16.7	03	70.0	131.8	..	34.0	08	8	..	7.5	4.2	..	0	13	0	0	0	0	0	0	0	0
PENDRA	37.0	-2.3	42.6	27	24.6	-1.5	19.5	02	31.2	42.3	+ 18.2	27.4	02	3	+ 0.8	11.5	8.9	-0.4	1	9	0	0	16	0	0	0	1	0
MANDLA	40.6	-0.7	45.0	27	24.2	-0.1	19.2	05	9.6	11.0	+ 3.3	4.0	21	2	+ 1.1	9.2	5.3	+0.4	0	5	0	0	4	0	0	0	0	0
CHAMPA	40.2	-2.8	46.4	27	26.6	-2.3	20.7	01	3.4	28.2	+ 16.0	19.0	01	3	+ 1.7	7.2	6.0	-0.7	0	5	0	0	6	0	0	0	0	0
RAIGARH	39.2	-3.6	45.6	28	26.6	-2.3	21.2	01	9.6	40.0	+ 26.3	20.2	01	5	+ 3.3	7.1	6.4	+0.1	0	6	0	0	5	0	1	0	0	0
RAIPUR	40.6	-1.7	46.4	28	27.2	-1.6	21.7	02	10.0	42.1	+ 20.8	16.1	01	5	+ 3.1	9.5	8.7	-2.0	1	8	0	0	8	0	0	0	0	0
KANKER	38.5	-1.8	44.0	28	27.0	-0.2	21.3	01	3.2	95.5	+ 71.4	68.4	14	5	+ 3.1	10.0	7.2	-1.1	0	6	0	0	6	0	0	0	0	0
JAGDALPUR	36.6	-1.7	42.5	29	24.0	-0.6	20.2	08	33.1	63.6	+ 3.1	14.1	08	8	+ 3.2	..	..	..	2	11	0	1	14	0	0	0	7	0
GUJARAT REGION(INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																												
DEESA	41.6	+0.3	43.9	27	25.4	-0.4	21.8	01	0.0	0.0	- 9.4	0.0	..	0	- 0.6	9.7	10.5	..	0	0	0	0	0	0	0	0	0	0
RADHANPUR	42.2	+0.5	44.4	27	25.6	+0.8	20.7	08	0.0	0.0	0.0	0.0	..	0	0.0	12.6	11.0	+0.4	0	0	0	0	0	0	0	0	0	0
IDAR	41.3	+0.7	43.1	12	28.0	+2.2	21.8	01	0.0	0.0	- 2.5	0.0	..	0	- 0.3	12.6	9.8	-0.4	0	0	0	0	0	0	0	0	0	0
AHMADABAD	42.3	+1.6	44.6	27	26.8	+0.5	24.2	01	0.0	0.0	- 9.9	0.0	..	0	- 0.7	10.1	8.0	-1.5	0	0	0	0	0	0	0	0	0	0
DOHAD	40.5	+1.1	43.5	25	26.1	+0.1	23.1	01	0.0	0.0	- 9.7	0.0	..	0	- 0.4	20.8	22.2	-3.9	0	0	0	0	0	0	0	0	0	0
VALLABH VIDYANAGAR	42.2	..	44.7	07	25.8	..	21.0	04	0.0	0.0	..	0.0	..	0	..	11.2	9.3	..	0	0	0	0	0	0	0	0	0	0
BARODA AERODROME	41.4	+0.8	44.0	27	26.9	+0.1	23.3	04	0.0	0.0	- 3.7	0.0	..	0	- 0.2	17.2	17.4	+5.3	0	0	0	0	0	0	0	0	0	0
BARODA	42.1	+1.4	44.7	07	27.1	+1.0	23.6	04	0.0	0.0	- 4.1	0.0	..	0	- 0.1	10.1	9.1	+0.5	0	0	0	0	0	0	0	0	0	0
BROACH	40.8	+1.1	45.5	18	27.0	+0.1	23.3	04	0.0	0.0	- 17.0	0.0	..	0	- 0.5	18.2	19.3	+8.0	0	0	0	0	0	0	0	0	0	0
SURAT	38.3	+2.1	43.8	06	26.9	+0.3	22.5	08	0.0	0.0	- 7.1	0.0	..	0	- 0.3	13.7	11.7	+0.7	0	0	0	0	0	0	0	0	0	0
SAURASHTRA AND KUTCH(INCLUDING DIU)																												
NALIYA	34.8	-0.4	40.0	17	24.3	-0.5	17.9	15	0.0	0.0	0.0	0.0	..	0	0.0	23.4	17.4	-0.2	0	0	0	0	0	0	0	0	0	0
BHUJ(RUDRAMATA)	40.0	+1.3	42.4	11	25.7	+0.1	21.5	15	0.0	0.0	- 7.4	0.0	..	0	- 0.2	21.8	18.3	+0.7	0	0	0	0	1	0	0	0	0	0
KANDLA AERODROME	41.1	..	43.6	19	25.7	..	21.6	14	0.0	0.0	..	0.0	..	0	..	29.5	26.7	..	0	0	0	0	0	1	0	0	0	0
NEW KANDLA	36.7	+0.6	40.6	18	26.0	-0.1	22.3	15	0.0	0.0	0.0	0.0	..	0	0.0	23.5	21.1	-4.6	0	0	0	0	0	0	0	0	0	0
MANDVI	33.3	+0.6	39.5	18	25.0	-1.2	18.0	15	0.0	0.0	0.0	0.0	..	0	0.0	35.8	31.1	+1.0	0	0	0	0	0	0	3	0	0	0
SURENDRANAGAR	41.6	-0.2	43.8	11	26.5	+0.4	24.0	01	0.0	0.0	- 5.1	0.0	..	0	- 0.4	15.0	16.1	-2.2	0	0	0	0	0	0	0	0	0	0
OKHA	31.9	..	32.9	30	26.5	..	25.0	08	0.0	0.0	..	0.0	..	0	..	25.8	25.2	..	0	0	0	0	0	0	0	0	0	0
JAMNAGAR AERODROME	36.3	+0.2	40.0	18	25.4	0.0	20.3	15	0.0	0.0	- 6.1	0.0	..	0	- 0.3	..	..	..	0	0	0	0	0	0	0	0	0	0
DWARKA	31.6	+0.4	34.5	17	27.0	0.0	26.1	01	0.0	0.0	- 0.8	0.0	..	0	0.0	20.7	19.7	-0.3	0	0	0	0	0	0	1	0	0	0
RAJKOT	40.4	-0.1	42.2	06	25.4	+0.7	22.6	15	0.0	0.0	- 2.5	0.0	..	0	- 0.3	30.8	29.0	+2.8	0	0	0	0	0	0	0	0	0	0
BHAVNAGAR AERODROME	40.1	+0.5	42.9	29	27.2	+1.2	23.6	01	0.0	0.0	- 1.4	0.0	..	0	- 0.2	26.3	23.3	+9.4	0	0	0	0	0	0	0	0	0	0
PORBANDER AERODROME	34.2	+1.9	41.5	17	25.9	-0.6	21.9	15	0.0	0.0	- 0.1	0.0	..	0	0.0	22.5	16.4	..	0	0	0	0	0	0	0	0	0	0
KESHOD	38.1	+0.3	43.2	06	25.3	+0.3	20.6	15	0.0	0.0	- 0.2	0.0	..	0	0.0	29.1	22.9	+1.3	0	0	0	0	0	0	0	0	0	0
MAHUVA	..	..	..	..	..	..	..	..	0.0	0.0	0.0	0.0	..	0	0.0	14.4	13.4	..	0	0	0	0	0	0	0	0	0	0
VERAVAL	33.1	+2.0	42.4	17	25.2	-0.7	20.2	15	0.0	0.0	- 7.9	0.0	..	0	- 0.3	22.6	20.0	+2.7	0	0	0	0	0	0	0	0	0	0
DIU	34.1	..	40.0	17	25.6	..	20.2	15	0.0	0.0	..	0.0	..	0	..	22.5	18.4	..	0	0	0	0	0	0	0	0	0	0
KONKAN(INCLUDING GOA)																												
DAHANU	32.9	0.0	35.1	18	27.3	+0.5	25.0	03	0.0	0.0	- 5.8	0.0	..	0	- 0.5	20.8	16.9	+0.4	0	0	0	0	0	0	0	0	0	0
BOMBAY(SANTACRUZ)	33.7	+0.5	37.3	05	26.6	+0.4	21.3	15	0.0	0.0	- 20.4	0.0	..	0	- 1.4	19.4	12.9	+0.1	0	0	0	0	0	0	0	0	0	0
BOMBAY	33.5	+0.2	34.4	17	27.4	+0.5	25.7	03	0.0	0.0	- 18.3	0.0	..	0	- 0.8	13.5	10.7	+0.7	0	0	0	0	0	0	0	0	0	0
ALIBAG	32.5	+0.7	34.3	07	27.1	+0.7	24.7	03	..	0.0	- 17.8	0.0	..	0	- 0.9	.	14.9	+1.9	0	0	0	0	0	0	0	0	0	0
BHIRA	39.4	..	44.0	05	23.2	..	20.8	09	1.0	2.0	..	1.0	06	0	..	5.4	3.1	..	0	2	0	0	1	0	0	0	0	0
HARNAI	31.4	+0.7	37.3	20	27.9	+0.7	26.1	03	0.0	0.0	- 44.0	0.0	..	0	- 2.7	21.4	17.4	+0.9	0	0	0	0	0	0	0	0	0	0
RATNAGIRI	33.5	+0.8	34.6	07	27.6	+0.8	24.9	01	0.0	0.7	- 30.0	0.4	30	0	- 1.7	14.8	11.8	..	0	2	0	0	0	0	0	0	0	0
DEVGARH	33.5	+0.9	34.5	30	28.0	+0.8	26.0	03	0.0	0.4	- 52.7	0.4	28	0	- 3.1	21.8	19.2	+1.6	0	1	0	0	0	0	0	0	0	0
VENGURLA	33.8	+1.2	35.8	16	26.9	+1.0	23.8	26	..	9.2	- 75.9	8.6	26	1	- 3.3	.	10.3	..	1	2	0	0	3	0	0	0	0	0
PANJIM	33.7	..	35.1	06	27.4	..	24.2	26	0.0	5.6	..	5.6	30	1	..	20.8	16.1	..	2	1	0	0	3	0	0	0	0	0
MURMUGAO	32.5	+1.2	33.4	17	27.8	+0.9	25.1	26	0.0	2.2	- 56.8	1.1	24	0	- 2.4	17.7	16.0	+1.4	0	4	0	0	0	0	0	0	0	0
DABOLIM(NAVAL AIR STN.)	..	..	..	..	..	..	..	..	0.0	1.6	..	1.3	26	0	..	16.0	12.6	..	0	2	0	0	6	0	0	0	0	0
MADHYA MAHARASHTRA																												
NANDURBAR	41.3	+0.6	44.0	25	26.7	0.0	22.1	01	0.0	0.0	- 17.7	0.0	..	0	- 1.1	11.1	11.6	-1.3	0	0	0	0	0	0	0	0	0	0
JALGAON	43.7	+1.1	47.5	26	28.1	+0.9	22.4	04	0.0	0.0	- 10.6	0.0	..	0	- 0.9	24.4	23.3	+1.7	0	0	0	0	0	0	0	0	0	0
MALEGAON	40.9	+0.2	43.2	26	24.3	0.0	18.8	04	0.0	0.0	- 17.8	0.0	..	0	- 1.1	17.2	14.3	+2.3	0	0	0	0	0	0	0	0	0	0
DZAR	38.1	..	41.7	19	22.5	..	18.6	04	0.0	0.0	..	0.0	..	0	..	23.5	19.3	..	0	0	0	0	0	0	0	0	0	0
AHMADNAGAR	40.7	+1.6	49.0	26	24.3	+1.2	20.0	02	1.4	1.4	- 19.4	1.4	31	0	- 1.6	15.3	11.7	+1.5	0	1	0	0	1	0	0	0	0	0
KHANDALA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA(CONTD)																												
KHANDALA																												
POONA AERODROME	37.9	..	41.1	12	22.4	..	18.5	03	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	2	0	0	0	0	0
POONA	38.2	+1.5	41.4	18	23.8	+1.6	18.9	03	0.0	0.0	- 27.4	0.0	..	0	- 1.8	13.7	11.9	..	0	0	0	0	2	0	0	0	0	0
JEUR	40.2	+0.5	42.6	26	24.8	+0.6	21.5	03	0.0	11.2	- 32.7	11.2	31	1	- 1.7	14.8	16.7	+2.3	0	1	0	0	0	0	0	0	0	0
BARAMATI	40.3	+1.6	43.1	26	24.1	+0.4	19.4	02	0.4	1.8	- 39.7	1.4	31	0	- 2.6	16.6	15.9	+1.5	0	2	0	0	0	0	0	0	0	0
SHOLAPUR	41.5	+1.1	43.9	26	26.2	+0.7	22.6	02	0.0	0.8	- 21.5	0.8	27	0	- 1.9	13.7	12.6	+0.7	0	1	0	0	1	0	1	0	0	0
MIRAJ	38.7	+1.3	40.8	11	23.8	+1.1	20.9	02	0.0	23.0	- 33.4	18.0	26	2	- 1.4	..	..	..	0	2	0	0	1	0	0	0	0	0
KOLHAPUR	36.7	+1.0	40.7	05	22.7	+0.2	19.7	03	9.4	17.2	- 61.0	7.6	07	2	- 2.5	17.2	15.6	+0.5	0	4	0	0	5	0	0	0	0	0
NASIK	39.7	..	41.4	14	..	..	..	..	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
SANGLI	38.3	..	40.9	11	23.1	..	20.5	02	2.0	8.8	..	6.8	26	1	..	16.2	16.8	..	0	2	0	0	0	0	0	0	0	0
SATARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MARATHWADA																												
AURANGABAD	40.3	+0.5	43.4	26	26.2	+1.2	21.2	02	0.0	0.0	- 16.8	0.0	..	0	- 1.2	16.7	16.5	-0.6	0	0	0	0	0	0	0	0	0	0
AURANGABAD(CHIKALTHAN)	39.9	+0.7	43.1	26	23.4	0.0	19.0	02	0.3	0.0	- 24.2	0.0	..	0	- 1.9	23.2	19.8	+2.5	0	0	0	0	1	0	0	0	0	0
PARBHANI	42.3	+0.6	46.0	26	27.5	+0.8	23.5	02	0.0	0.0	- 18.8	0.0	..	0	- 1.4	15.3	11.7	-0.9	0	0	0	0	0	0	0	0	0	0
NANDER	42.4	..	46.2	26	26.6	..	21.6	02	23.8	31.4	..	21.6	16	2	..	10.4	7.6	..	0	3	0	0	4	0	0	0	0	0
BIR	41.7	..	44.7	26	26.0	..	22.0	02	0.0	1.2	..	1.2	31	0	..	18.0	12.2	..	0	1	0	0	0	0	0	0	0	0
VIDARBHA																												
GONDIA	41.3	-0.8	45.7	28	27.4	-1.5	23.5	05	21.5	36.5	+ 30.4	23.7	18	2	+ 1.3	7.7	4.1	-1.5	0	3	0	0	5	0	0	0	0	0
NAGPUR(SONEGAON)	42.4	-0.4	46.6	27	27.5	-0.9	22.5	02	..	6.0	- 14.8	3.6	21	1	- 1.1	.	11.9	-1.6	0	3	0	0	5	0	0	0	7	0
AMRAOTI	42.5	+0.3	46.3	27	28.8	+1.0	23.0	02	9.8	9.8	- 3.4	9.8	31	1	- 0.2	16.0	12.4	+0.1	0	1	0	0	1	0	0	0	0	0
AKOLA AERODROME	43.1	..	47.2	26	27.9	..	21.6	04	0.0	0.0	..	0.0	..	0	..	17.4	14.2	..	0	0	0	0	0	0	0	0	0	0
AKOLA	42.7	+0.3	46.3	26	28.5	+0.4	21.7	04	0.0	0.0	- 10.7	0.0	..	0	- 1.1	13.5	11.2	-2.3	0	0	0	0	0	0	0	0	0	0
BRAMHAPURI	41.7	-0.4	47.0	28	27.8	+1.4	23.4	05	1.3	13.1	- 11.7	9.2	18	1	- 0.9	11.0	8.0	+0.3	0	3	0	0	0	0	1	0	0	0
BULDANA	39.3	+1.0	43.3	26	26.6	+0.4	23.0	01	0.0	0.0	- 18.1	0.0	..	0	- 1.7	14.9	13.2	-1.8	0	0	0	0	0	0	0	0	0	0
YEOTMAL	42.5	+0.7	46.2	27	29.0	+0.7	25.5	02	0.0	0.0	- 12.8	0.0	..	0	- 1.0	16.2	13.4	-2.1	0	0	0	0	1	0	0	0	0	0
CHANDRAPUR	42.8	0.0	47.8	28	28.9	+0.6	25.4	17	7.4	10.8	- 2.9	6.6	17	2	+ 0.7	11.6	7.7	+0.4	1	3	0	1	7	0	0	0	0	0
PUSAD	42.6	..	46.4	27	28.7	..	21.8	16	0.0	0.0	..	0.0	..	0	..	14.1	9.5	..	0	0	0	0	0	0	0	0	0	0
STRONCHA	40.7	-1.4	46.8	28	29.0	-0.3	24.2	19	6.2	41.0	+ 24.5	26.8	19	4	+ 2.7	9.1	7.4	+0.3	0	5	0	0	0	0	0	0	0	0
WARDHA	39.7	..	44.4	04	26.5	..	22.0	21	52.8	125.5	..	27.6	21	9	..	13.4	11.4	..	1	11	0	0	1	0	0	0	0	0
BHANDARA	41.6	..	45.7	28	27.7	..	23.1	02	1.0	5.9	..	4.1	17	1	..	9.3	6.8	..	0	2	0	0	0	0	0	0	0	0
COASTAL ANDHRA PRADESH																												
KALINGAPATAM	33.8	-0.1	36.0	28	25.3	-2.1	21.0	12	17.4	130.4	+ 75.8	51.4	12	7	+ 4.1	13.7	9.9	-7.1	0	7	0	0	9	0	1	0	0	0
VISHAKHAPATNAM	34.4	+0.4	37.1	29	26.2	-1.6	21.4	07	32.5	211.2	+162.9	30.1	29	11	+ 8.4	17.5	12.0	-3.9	2	13	0	0	16	0	0	0	10	0
KAKINADA	35.2	-1.7	39.5	28	27.3	-0.4	22.7	05	42.4	169.6	+127.2	70.2	17	6	+ 3.3	13.8	9.9	-1.2	0	7	0	0	3	0	0	0	0	0
NIDADAVOLE	35.0	-3.3	39.5	28	..	..	..	..	115.6	313.0	+262.8	93.6	18	7	+ 4.6	9.0	7.5	-0.3	0	10	0	0	0	0	0	0	0	0
RENTACHINTALA	38.0	-3.5	44.1	29	27.8	-0.8	23.8	1[illegible]	73.0	175.0	+138.7	80.0	18	4	+ 1.5	9.6	9.0	-1.4	0	4	0	0	0	0	0	0	0	0
GANNAVARAM	35.9	-3.8	42.7	31	26.5	-1.2	23.0	14	115.9	411.0	+376.3	134.0	19	8	+ 4.9	17.1	14.9	-0.6	0	8	0	0	3	0	0	0	0	0
MASULIPATAM	33.9	-2.6	40.7	31	25.6	-2.4	22.6	19	57.7	179.8	+140.7	63.7	17	8	+ 5.8	5.9	5.0	-8.8	0	9	0	0	4	0	0	0	0	0
ONGOLE	36.2	-2.0	43.2	29	27.4	-0.6	22.0	17	92.0	368.8	+306.2	196.0	18	5	+ 2.6	12.9	11.2	+0.9	0	6	0	0	0	0	0	0	0	0
NELLORE	37.9	-1.7	43.0	31	28.1	+0.3	24.8	17	12.0	26.8	- 9.8	18.0	17	2	+ 0.4	..	..	..	0	4	0	0	0	0	0	0	0	0
VISHAKHAPATNAM(SOLAR)	32.7	..	34.8	28	25.8	..	21.3	12	..	151.4	..	54.5	12	7	..	.	7.5	..	0	10	0	0	15	0	0	0	0	0
TELANGANA																												
RAMGUNDAM	40.9	-1.9	47.0	28	27.6	-2.1	22.4	05	6.2	26.1	- 7.7	9.6	16	4	+ 1.8	9.2	8.6	+0.2	0	6	0	0	2	0	2	0	0	0
NIZAMABAD	41.6	+0.1	45.2	27	28.4	+0.7	21.4	21	1.7	29.0	+ 11.2	28.0	21	1	- 0.5	4.8	6.2	-0.5	0	2	0	0	1	0	0	0	0	0
HANAMKONDA	38.7	-2.1	44.5	28	25.4	-2.7	22.4	19	12.0	101.0	+ 71.8	46.4	04	4	+ 2.1	11.3	10.2	-1.9	0	5	0	0	1	0	0	0	0	0
HAKIMPET AERODROME	37.6	..	41.9	28	24.9	..	20.3	05	27.6	51.5	..	25.9	05	3	..	..	..	..	0	7	0	0	7	0	5	0	4	0
BHADRACHALAM	37.5	-3.3	43.0	28	29.1	+1.1	24.0	20	49.2	138.4	+113.0	59.0	20	6	+ 3.7	9.5	8.1	-2.0	0	9	0	0	7	0	4	0	0	0
HYDERABAD(BEGAMPET)	38.1	-0.6	42.1	28	25.7	-0.5	20.4	14	22.0	69.5	+ 41.0	24.4	21	4	+ 1.6	14.8	11.8	-0.6	0	7	0	0	8	0	0	0	6	0
KHAMMAM	37.4	-3.9	43.5	29	26.8	-1.3	23.0	20	158.9	465.2	+436.2	227.2	20	8	+ 5.8	8.1	8.5	-1.2	0	8	0	0	2	0	1	0	0	0
MAHBUBNAGAR	37.1	-1.3	42.2	29	25.7	-0.5	21.4	16	5.9	64.9	+ 4.1	29.2	21	4	+ 0.7	11.5	8.8	-2.5	1	7	0	0	4	0	2	0	0	0
RAYALASEEMA																												
KURNOOL	39.6	-0.4	42.3	11	26.2	-1.0	21.7	05	4.6	24.4	- 5.3	14.0	05	2	- 0.7	11.9	11.4	-2.0	0	6	0	0	0	0	0	0	0	0
NANDYL	39.0	..	42.3	01	29.0	..	21.5	05	42.2	90.6	..	31.0	17	7	..	11.7	8.7	..	0	8	0	0	3	0	0	0	0	0
ANANTAPUR	37.9	-0.2	40.4	04	26.0	+0.2	20.6	05	0.5	94.0	+ 40.7	75.1	05	4	+ 0.4	15.3	14.1	+1.9	1	9	0	0	10	0	0	0	1	0
CUDDAPAH	39.8	-0.5	42.8	12	28.3	-0.4	23.1	20	11.0	43.4	+ 4.8	19.4	26	4	+ 1.4	..	..	..	0	5	0	0	0	0	0	0	0	0
AROGYAVARAM	34.8	+0.1	37.8	01	22.8	-0.7	19.5	19	8.0	76.9	+ 14.3	31.0	16	6	+ 2.0	13.5	10.4	+0.5	0	8	0	0	0	0	0	0	0	0
TAMIL NADU(INCLUDING PONDICHERRY)																												
MADRAS	36.0	+0.4	41.6	28	27.7	+0.3	24.9	18	5.4	62.1	- 8.7	56.0	18	2	0.0	11.9	9.2	-0.5	0	2	0	0	2	0	0	0	0	0
MADRAS(MINAMBAKKAM)	37.2	-0.4	42.3	28	27.9	+0.1	24.3	18	21.6	87.7	+ 49.8	70.9	18	2	+ 0.7	16.4	13.2	+0.2	1	2	0	0	3	0	0	0	3	0
VELLORE	38.3	-0.1	41.2	29	26.1	-0.5	21.8	06	3.0	64.6	- 3.5	24.2	06	6	+ 2.2	11.2	10.3	+2.3	0	7	0	0	9	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation: 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
TAMILNADU(INCLUDING PONDICHERRY)																												
TAMBARAM AERODROME	39.3	..	43.6	28	27.9	..	24.0	19	24.1	90.3	..	62.9	18	2	..	..	..	..	0	2	0	0	11	0	1	0	0	0
TIRUPPATTUR	37.6	+1.1	40.0	01	23.5	-0.6	22.0	15	157.5	308.7	+243.5	103.0	30	7	+ 3.0	8.2	5.7	+1.0	0	7	0	0	1	0	0	0	0	0
METTUR DAM R.S.	37.7	..	40.2	11	26.0	..	22.0	16	78.2	137.0	..	57.6	16	6	..	7.1	7.4	..	0	7	0	0	2	0	2	0	0	0
CUDDALORE	37.4	+1.7	41.8	29	27.4	+0.3	24.0	18	0.0	7.5	- 41.8	5.0	18	1	- 0.7	14.7	11.4	-1.2	0	3	0	0	2	0	0	0	0	0
KALLAKKURICHCHI	39.3	+0.9	42.0	28	27.3	+0.7	23.8	30	0.0	12.0	- 76.8	11.0	16	1	- 3.5	11.5	8.9	..	0	2	0	0	0	0	0	0	0	0
SALEM	37.0	+0.2	39.6	01	25.7	+0.2	21.9	13	16.2	135.1	+ 28.7	24.7	31	10	+ 3.5	3.8	3.8	-4.3	0	11	0	0	0	0	0	0	0	0
COIMBATORE(PILAMEDU)	34.7	+0.8	37.4	01	23.8	+0.5	21.5	25	7.8	43.8	- 28.8	16.1	25	5	+ 0.2	24.0	21.8	-1.2	0	5	0	0	13	0	1	0	0	0
COIMBATORE	34.9	+1.4	38.0	01	24.2	+0.6	21.8	11	..	27.0	- 36.5	7.8	06	4	- 0.3	.	10.7	+0.1	0	5	0	0	7	0	0	0	0	0
NAGAPATTINAM	36.0	+0.5	40.1	23	27.8	+0.4	24.8	16	30.2	41.5	- 7.5	24.8	23	4	+ 2.0	16.1	14.1	+1.4	0	4	0	0	6	0	1	0	0	0
TIRUCHCHIRAPPALLI	38.5	+1.4	40.1	13	27.2	+0.8	22.8	28	0.0	42.8	- 39.0	28.6	15	2	- 2.0	15.3	13.7	-3.7	0	4	0	0	8	0	0	0	8	0
VEDARANNIYAM	36.2	..	37.8	13	26.2	..	22.1	24	0.0	20.6	..	11.2	24	2	..	11.7	9.3	..	0	4	0	0	0	0	0	0	0	0
ATIRAMPATTINAM	34.9	..	39.2	22	27.6	..	25.4	21	3.0	10.2	..	7.2	03	2	..	19.0	14.3	..	0	2	0	0	0	0	0	0	0	0
MADURAI	38.6	+1.1	40.4	21	25.1	-1.2	21.8	07	..	44.6	- 22.7	28.0	30	4	- 0.7	.	7.8	+1.5	0	4	0	0	0	0	0	0	0	0
MADURAI AERODROME	38.0	+1.7	39.6	28	26.4	+0.6	22.5	15	36.7	74.7	+ 22.7	60.5	15	3	0.0	11.0	9.3	-1.4	0	5	0	0	6	0	0	0	0	0
TONDI	34.2	+0.9	35.9	21	26.9	+0.2	22.5	16	0.0	134.0	+ 69.8	127.4	16	2	- 0.7	21.1	16.5	+0.4	0	2	0	0	0	0	0	0	0	0
PAMBAN	33.8	+1.2	34.7	07	26.7	-0.8	21.3	16	8.5	105.6	+ 80.7	59.3	16	4	+ 2.2	14.4	14.5	-3.5	0	4	0	0	0	0	0	0	0	0
TUTICORIN	36.2	+1.9	39.4	22	26.5	-0.4	24.1	07	0.0	0.0	- 37.2	0.0	..	0	- 3.2	16.3	12.4	-1.5	0	0	0	0	0	0	0	0	0	0
PALAYANKUTTAI	37.8	+1.3	39.2	13	28.1	+1.1	24.3	07	9.5	13.5	- 25.9	8.8	09	2	- 0.5	14.2	10.6	+0.7	0	3	0	0	1	0	0	0	0	0
KANNIYAKUMARI	32.8	..	35.0	15	26.5	..	23.9	26	4.6	6.8	..	4.6	26	1	..	21.6	19.1	..	0	2	0	0	0	0	0	0	0	0
PONDICHERRY	35.3	..	40.8	28	27.3	..	23.7	18	0.0	19.5	..	16.3	18	2	..	21.1	18.1	..	0	2	0	0	2	0	0	0	0	0
PORTNOVO	37.0	..	41.0	29	25.2	..	22.3	18	..	1.5	..	1.5	24	0	..	.	11.7	..	0	1	0	0	10	0	0	0	0	0
TUTICORIN H.P	35.1	..	39.0	20	27.8	..	24.9	07	0.0	0.1	..	0.1	06	0	..	21.6	16.8	..	1	0	0	0	3	0	0	0	1	0
COASTAL MYSORE																												
KARWAR	33.5	+2.0	34.2	11	27.3	+1.0	23.7	17	0.0	6.5	- 89.7	6.2	26	1	- 2.9	11.2	9.4	..	0	2	0	0	0	0	0	0	0	0
HONAVAR	33.9	+1.6	35.1	09	27.2	+1.4	23.6	31	4.2	102.8	- 12.0	95.5	31	2	- 2.9	..	..	..	0	4	0	0	3	0	0	0	0	0
MANGALORE(BAJPE)	34.0	+1.8	35.6	06	26.0	+1.4	22.9	26	21.5	70.5	-258.4	22.3	25	8	- 3.9	12.8	8.0	-0.8	1	11	0	0	7	0	0	0	0	0
MANGALORE	32.9	+0.8	34.0	07	27.0	+1.0	24.2	26	12.7	103.0	- 74.5	57.1	15	6	- 1.2	11.5	9.0	-0.6	0	10	0	0	2	0	0	0	0	0
MANGALORE H.P	33.8	..	34.9	11	26.7	..	21.2	26	..	79.8	..	34.5	30	6	..	.	11.2	..	0	13	0	0	12	0	0	0	1	0
INTERIOR MYSORE NORTH																												
BIDAR	38.6	0.0	41.9	12	25.6	-0.4	21.7	05	18.0	13.4	- 11.7	5.4	08	3	+ 0.6	15.4	13.7	0.0	0	4	0	0	2	0	6	0	0	0
GULBARGA	40.5	+0.3	43.4	12	26.4	+0.1	21.0	16	0.0	57.0	+ 29.1	52.8	16	1	- 1.5	13.2	12.5	-2.3	0	4	0	0	0	0	0	0	0	0
BIJAPUR	39.9	+1.4	41.7	12	24.5	+0.6	20.2	27	0.0	55.0	+ 25.5	43.6	27	4	+ 1.5	11.9	13.1	+2.6	0	4	0	0	2	0	0	0	0	0
RAICHUR	39.2	-0.4	42.5	13	25.8	-0.7	22.4	05	8.4	109.3	+ 82.9	38.0	14	9	+ 6.6	13.4	14.5	-0.1	1	9	0	0	1	0	0	0	0	0
BELGAUM	35.7	+1.7	39.1	16	22.1	+1.5	20.0	03	0.0	18.0	- 48.5	10.0	24	2	- 2.7	9.4	7.4	-3.2	1	4	0	0	0	0	0	0	0	0
BELGAUM(SAMRA)	35.4	+2.1	38.8	05	21.9	+1.1	19.3	02	3.1	12.0	-115.7	5.6	08	2	- 5.6	17.0	16.1	-2.4	0	5	0	0	8	0	0	0	0	0
GADAG	37.2	+0.7	39.8	04	22.8	+0.2	19.5	26	0.0	82.0	+ 12.9	29.8	16	4	- 0.5	12.4	14.4	+0.6	0	5	0	0	6	0	0	0	0	0
BIDAR A.F	38.9	..	42.3	28	24.7	..	20.7	16	5.5	11.8	..	4.5	08	1	..	..	..	..	0	6	0	0	9	0	1	0	0	0
INTERIOR MYSORE, SOUTH																												
BELLARY	38.2	+0.3	41.2	08	25.7	-0.1	21.4	14	1.0	46.6	- 1.7	29.5	16	4	+ 0.5	13.4	11.1	+0.9	0	9	0	0	2	0	0	0	0	0
CHITRADURGA	34.7	-0.4	38.7	09	22.8	+0.5	19.0	26	5.4	105.4	+ 26.1	30.4	16	5	+ 0.5	11.5	11.1	+0.5	0	9	0	0	5	0	0	0	0	0
SHIMOGA	34.2	+0.4	38.4	04	22.9	+0.4	19.4	26	0.0	59.4	- 58.2	16.0	16	5	- 1.6	4.6	5.9	-0.4	0	5	0	0	0	0	0	0	0	0
AGUMBE	29.9	..	32.6	13	22.9	..	20.2	07	92.8	127.2	..	89.2	30	4	..	7.1	5.3	..	0	6	0	0	3	0	1	0	0	0
BALEHONNUR	31.4	+2.0	34.5	04	19.3	-0.2	16.3	26	..	111.8	- 7.3	54.0	09	6	- 1.7	..	..	..	1	6	0	0	0	0	0	0	0	0
HASSAN	31.4	-0.1	35.6	11	19.7	-0.6	17.0	28	31.4	134.2	+ 18.9	43.4	05	6	- 1.4	13.6	10.9	-0.6	0	6	0	0	2	0	0	0	0	0
BANGALORE	32.8	+0.1	35.8	08	21.3	+0.2	18.3	16	0.0	165.2	+ 57.8	36.4	26	8	+ 1.3	12.4	8.9	-2.9	0	10	0	0	13	0	0	0	0	0
BANGALORE AERODROME	32.8	-0.1	35.2	09	20.3	-0.9	17.7	16	48.9	187.4	+ 78.9	39.2	26	9	+ 2.0	23.6	19.3	..	0	12	0	0	15	0	0	0	3	0
MYSORE	31.8	-0.8	35.5	11	21.7	+0.5	19.6	16	11.6	140.4	- 10.7	39.6	11	6	- 2.1	13.4	11.3	+1.1	0	9	0	0	10	0	0	0	0	0
YALANKA A.F	33.0	..	35.5	12	20.7	..	17.7	05	7.0	229.9	..	53.6	16	9	..	..	..	..	0	11	0	0	14	0	0	0	0	0
KERALA																												
CALICUT	32.7	+0.2	34.8	01	25.7	+0.1	22.3	11	151.0	3529.6	+ 68.0	848.0	16	15	+ 6.0	10.5	8.6	-3.9	0	15	0	0	12	0	0	0	0	0
PALGHAT	34.3	+0.9	39.4	11	24.9	+0.1	22.4	25	7.8	191.6	+ 3.1	95.0	15	7	- 1.4	12.8	9.1	-2.7	0	11	0	0	4	0	0	0	0	0
FORT COCHIN	31.7	+0.8	33.2	01	24.4	-1.3	20.8	29	85.1	319.9	+ 18.2	65.8	29	16	+ 3.6	13.8	10.3	-0.6	0	18	0	0	17	0	0	0	0	0
COCHIN(NAVAL AIR STATION)	32.3	..	34.2	05	25.3	..	22.2	29	78.0	244.9	..	45.8	31	16	..	11.7	9.4	..	0	20	0	0	25	0	0	0	1	0
ALLEPPEY	32.6	+1.0	34.4	03	25.4	+0.1	23.6	07	71.0	389.4	+ 15.4	97.8	25	17	+ 3.3	15.0	13.1	-0.5	0	22	0	0	11	0	0	0	0	0
PUNALUR	33.7	+1.2	36.4	01	23.0	-0.9	20.9	06	122.6	264.6	-137.1	37.8	09	17	+ 1.0	3.2	2.4	-1.0	0	18	0	0	0	0	0	0	0	0
TRIVANDRUM	31.8	+0.2	34.2	04	24.9	-0.1	22.5	19	52.2	140.6	- 67.2	52.2	25	11	+ 1.5	12.4	8.4	-0.8	3	16	0	0	14	0	0	0	0	0
TRIVANDRUM AERODROME	32.1	+0.7	34.4	08	25.4	+0.7	23.5	19	..	141.9	-158.1	40.9	25	12	- 1.6	.	11.0	+2.7	0	18	0	0	11	0	0	0	0	0
ARABIAN SEA ISLANDS																												
AMINI	32.9	+0.3	34.6	15	27.3	0.0	22.6	26	82.0	258.8	+143.6	103.7	31	6	+ 0.8	21.2	20.8	+7.2	0	9	0	0	7	0	0	0	0	0
AGATTI	31.2	..	33.7	05	27.4	..	22.9	26	64.2	143.3	..	73.3	26	6	..	12.7	12.5	..	0	6	0	0	4	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
ARABIAN SEA ISLANDS (CONTD.)																												
ANDROTH	33.5	..	35.0	05	26.7	..	21.7	26	76.9	143.3	..	50.2	30	5	..	4.8	3.9	..	0	6	0	0	0	0	0	0	0	0
MINICOY	31.5	+0.2	33.3	01	25.3	-1.0	21.1	26	176.4	395.0	+215.4	71.2	29	12	+ 3.3	13.0	11.8	+0.5	0	15	0	0	8	0	0	0	0	0
ALL STATIONS (EXCLUDING KASHMIR)																												
DALHOUSIE	23.6	-2.3	28.8	27	14.3	-1.4	7.4	15	39.5	121.7	+ 74.7	31.0	13	7	+ 3.0	..	..	..	0	8	0	0	0	0	0	0	0	0
DHARMASALA	28.6	-2.2	34.4	26	17.0	-4.3	8.8	02	34.6	73.4	+ 18.8	18.4	13	7	+ 3.1	7.0	6.0	-0.4	0	11	0	0	12	0	0	0	0	0
BHUNTAR	28.3	..	35.2	27	12.6	..	7.9	02	20.8	81.5	..	20.1	19	8	..	9.3	7.1	..	0	11	0	1	12	0	0	0	0	0
SIMLA	21.5	-1.9	28.2	27	13.1	-1.9	3.1	01	19.5	54.4	- 5.3	15.2	14	6	+ 0.8	5.3	4.6	+0.2	0	11	0	0	5	0	1	0	0	0
DHARMPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GHANGARIA (KANJALIA TOK)	17.5	+4.6	21.3	26	5.3	+2.0	- 1.4	01	..	51.0	+ 12.1	27.4	20	5	+ 0.5	..	..	..	0	6	1	1	3	0	0	0	0	0
BADRINATH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JOSHIMATH	24.1	-2.3	31.0	26	14.2	+0.1	6.0	03	1.0	46.0	+ 24.3	17.0	20	4	+ 1.4	6.2	6.4	-1.7	0	4	0	0	0	0	0	0	0	0
MUSSOORIE	22.2	-2.6	29.1	24	13.8	-1.3	6.7	03	82.8	118.8	+ 67.0	71.6	12	7	+ 2.8	7.3	5.0	-3.4	0	9	0	0	4	0	0	0	0	0
MUKTESWAR (KUMAUN)	21.9	-1.6	30.2	26	11.6	-2.3	2.8	02	14.6	58.0	+ 1.6	19.6	30	5	0.0	13.8	13.7	-3.0	2	11	0	1	16	0	0	0	0	0
NAINITAL	21.8	-2.2	29.4	26	13.2	-2.2	5.0	02	63.6	86.6	+ 11.1	33.0	28	6	+ 2.5	9.2	7.0	-1.0	1	9	0	0	0	0	0	0	0	0
KALIMPONG	26.7	+2.6	28.4	23	15.3	-2.0	12.4	28	19.8	155.1	+ 10.3	55.4	24	12	+ 0.9	5.9	4.7	-4.3	0	15	0	0	0	0	0	0	0	0
DARJEELING	18.4	-0.2	23.3	16	12.3	-0.6	3.2	01	63.6	192.8	- 38.6	64.6	27	14	- 1.2	3.4	2.8	-0.7	0	19	0	0	2	2	0	0	0	0
KOHIMA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SHILLONG (C.S.O.)	23.7	-0.7	27.3	18	15.7	-1.0	11.0	10	233.3	255.4	- 40.0	42.2	31	19	+ 1.2	5.9	5.8	-1.1	0	27	0	1	6	1	0	0	0	0
CHERRAPUNJI	23.6	+1.5	26.1	31	17.1	+0.8	14.0	01	0.0	517.4	-830.6	83.0	14	15	- 7.1	..	..	..	0	16	0	0	0	0	0	0	0	0
ABU	32.2	+0.7	35.2	26	19.3	-3.0	17.0	03	0.0	0.0	- 20.0	0.0	..	0	- 1.1	6.3	4.6	-5.8	0	0	0	0	0	0	0	0	0	0
AIJAL	29.1	+3.0	31.2	20	19.0	+1.6	15.4	09	0.0	21.0	-339.2	11.0	09	2	-12.3	..	..	..	0	2	0	0	0	0	0	0	0	0
PACHMARHI	35.5	-0.5	38.9	26	23.2	-1.1	17.4	05	0.4	0.0	- 16.5	0.0	..	0	- 1.6	8.3	6.6	-0.2	0	0	0	0	0	0	0	0	0	0
MAHABALESHWAR	31.1	+2.3	34.4	11	18.5	+0.3	15.1	21	5.2	5.2	- 41.8	5.1	06	1	- 1.7	13.7	13.9	+2.3	1	1	0	0	1	3	0	0	0	0
MERCARA	27.1	+0.8	30.4	04	15.7	-2.6	13.0	16	23.9	130.4	- 5.5	42.4	16	7	- 1.3	13.7	12.6	+2.6	0	10	0	0	17	1	0	0	0	0
OOTACAMUND	22.8	+1.0	24.5	01	11.3	+0.1	9.6	08	19.8	51.6	-107.1	17.8	16	8	- 3.9	3.0	2.0	-2.2	1	10	0	0	5	0	0	0	0	0
COONOOR	25.8	+1.6	27.3	24	13.1	-1.9	11.4	08	..	66.8	- 47.9	23.2	03	6	- 1.1	..	..	..	0	10	0	0	0	0	0	0	0	0
KODAIKANAL	21.6	+1.2	24.0	23	13.1	+0.4	10.7	03	26.5	54.5	-102.2	14.2	31	7	- 3.6	11.1	10.9	-0.9	0	13	0	0	12	0	0	0	0	0
MANALI	22.5	..	28.5	27	7.8	..	1.5	02	34.2	158.0	..	37.1	19	8	..	5.0	3.8	..	0	8	0	0	0	0	0	0	0	0
NEPAL																												
KATMANDU	28.8	-1.6	35.8	24	15.8	-0.1	8.7	03	30.6	60.5	- 52.3	10.6	12	7	- 2.2	3.7	2.0	+0.1	3	11	0	0	15	0	0	0	0	0
SIKKIM																												
LACHEN	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
HYDROMETEOROLOGICAL OBSERVATORIES																												
DAMODAR CATCHMENT																												
TILAIYA	35.8	..	43.6	25	23.9	..	18.5	02	103.4	122.7	..	37.5	02	5	..	6.4	4.5	..	0	9	0	0	0	0	0	0	0	0
HAZARIBAGH	34.8	..	40.8	26	21.9	..	16.1	02	47.9	81.8	..	45.2	02	5	..	8.9	5.2	..	1	7	0	1	14	0	2	0	0	0
KONAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BOKARO	38.3	..	44.2	25	27.4	..	21.0	03	29.7	80.9	..	45.2	02	4	..	..	..	..	0	9	0	0	0	0	0	0	0	0
MAITHON	36.9	..	43.0	24	22.9	..	18.4	02	25.0	80.4	..	44.4	02	5	..	..	..	..	1	7	0	0	6	0	3	0	0	0
RAMGARH	35.8	..	42.4	26	21.9	..	13.0	08	40.1	65.2	..	20.8	21	8	..	..	..	..	0	9	0	0	6	0	0	0	0	0
PANCHET HILLS	35.9	..	41.6	23	25.4	..	20.3	02	30.0	98.5	..	45.6	02	4	..	7.4	6.4	..	0	7	0	0	2	0	0	0	0	0
DURGAPUR	35.6	..	40.0	23	23.6	..	18.9	02	34.8	115.0	..	40.4	30	3	..	..	..	..	0	7	0	0	0	0	0	0	0	0
MAHANADI CATCHMENT																												
GINABAHAR	36.5	..	43.1	27	22.4	..	17.3	08	..	72.6	..	13.6	05	7	..	..	..	..	0	10	0	0	10	0	0	0	0	0
HIRAKUD	38.2	..	44.2	28	26.1	..	21.2	01	0.8	51.0	..	14.5	01	5	..	5.5	6.0	..	0	10	0	0	10	0	0	0	0	0
BHIMKUND	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SONEPUR	38.6	..	45.0	30	26.7	..	19.1	12	..	106.7	..	30.0	12	7	..	.	7.5	..	1	9	0	0	0	0	0	0	0	0
KHIJRAWAN	38.1	..	43.9	28	26.0	..	14.1	01	19.0	65.4	..	37.0	14	3	..	11.8	9.0	..	0	4	0	0	6	0	0	0	0	0
NARMADA CATCHMENT																												
BAGRA TAWA	42.5	..	46.0	27	26.3	..	20.1	04	0.0	0.3	..	0.3	15	0	..	12.2	7.6	..	0	1	0	0	0	0	2	0	0	0
PUNASA	43.5	..	47.2	26	28.5	..	20.9	04	0.0	0.0	..	0.0	..	0	..	12.6	11.7	..	0	0	0	0	0	0	0	0	0	0
THIKRI	43.7	..	47.3	26	27.5	..	22.8	03	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
SABARMATI CATCHMENT																												
DAROI	42.0	..	43.4	28	26.5	..	22.6	18	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
JHAROL	37.8	..	41.0	26	24.6	..	21.2	19	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
MANDAK CATCHMENT																												
JAMDSOM	22.2	..	29.1	26	7.1	..	- 0.4	01	3.3	10.3	..	5.9	01	2	..	..	..	..	0	3	0	0	0	0	0	0	0	0
KHUDI BAZAR	30.4	..	36.1	24	19.4	..	13.4	03	74.6	149.6	..	56.8	29	10	..	..	..	..	0	12	0	0	0	0	0	0	0	0
TIMURE	26.8	..	31.9	26	15.1	..	8.4	01	2.0	18.7	..	8.8	01	1	..	..	..	..	0	9	0	0	0	0	0	0	0	0
POKHARA	30.1	..	35.3	24	19.8	..	13.6	02	40.2	158.7	..	64.0	11	11	..	5.7	5.3	..	1	15	0	0	15	0	0	0	0	0
GORKHA	29.6	..	35.0	24	18.5	..	12.3	02	42.4	77.1	..	24.4	29	8	..	..	..	..	3	8	0	0	14	5	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
GADAK CATCHMENT(CONTD)																												
NUWAKOT	31.4	..	36.3	25	20.7	..	14.0	01	6.4	60.2	..	26.0	27	5	..	..	..	..	0	9	0	0	0	0	0	0	0	0
GHAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																												
DAILEKH	..	..	..	..	..	..	..	..	..	72.4	..	27.8	12	5	..	..	..	..	0	7	0	0	0	0	0	0	0	0
GHAGHARA CATCHMENT																												
SALLYANA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BUTWAL	36.2	..	41.4	19	24.8	..	17.1	01	22.6	107.8	..	69.6	01	4	..	..	..	..	0	4	0	0	0	0	0	0	0	0
BAGHMATI CATCHMENT																												
KATMANDU	..	SEE UNDER NEPAL			..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
KOSI CATCHMENT																												
CHAUTARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
WALUNGCHUNG GOLA	13.7	..	18.7	26	5.6	..	0.2	03	41.4	102.8	..	17.0	18	12	..	..	..	..	0	18	0	0	0	0	0	0	0	0
TAPLETHUK	28.2	..	31.6	18	16.2	..	10.4	01	31.8	146.4	..	29.4	18	13	..	..	..	..	0	14	0	0	0	0	0	0	0	0
BHOJPUR	22.6	..	26.8	19	16.3	..	11.0	01	56.5	146.9	..	40.0	06	10	..	..	..	..	1	12	0	0	0	0	0	0	0	0
TAPLEJUNG	23.1	..	26.9	19	14.6	..	8.7	01	46.9	178.9	..	24.6	12	16	..	6.3	3.8	..	0	24	0	1	16	6	0	0	0	0
DHALDHUNGA	24.1	..	27.8	23	15.0	..	9.2	01	50.6	111.1	..	20.8	28	12	..	2.1	1.8	..	0	18	0	0	12	2	0	0	0	0
CHAINPUR	28.8	..	31.5	17	18.0	..	12.1	01	54.3	229.6	..	77.4	24	16	..	..	..	..	0	20	0	0	0	0	0	0	0	0
BARAHAKSHETRA	33.3	..	37.2	22	23.8	..	19.5	02	24.0	122.9	..	50.0	12	8	..	7.9	6.1	..	0	10	0	0	9	0	1	0	0	0
TISTA CATCHMENT																												
GANGTOK	22.7	..	26.3	19	14.2	..	8.0	01	41.1	492.9	..	106.0	17	20	..	5.4	5.3	..	0	29	0	1	16	8	0	0	0	0
GEZING	25.1	..	29.6	19	15.9	..	9.4	01	38.0	197.5	..	23.8	26	16	..	..	..	..	0	24	0	0	0	0	0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAY ISLANDS																											
MAYA BANDAR	0830	28	1007.8	1004.7	-0.8	29.4	26.4	25.1	31.9	79	- 3	5.3	-0.2	9.0	0	4	23	01	5	4	3	1	12	1	0	4	0
	1730	28	1005.5	1002.4	-1.0	28.2	25.9	24.8	31.5	83	- 2	6.1	+0.3	6.6	0	2	20	01	1	5	1	0	12	2	0	7	0
LONG ISLAND	0830	25	1008.2	1005.3	-0.7	29.9	26.7	25.5	32.6	79	- 1	6.4	+0.6	2.8	0	0	28	00	3	0	9	0	16	0	0	3	0
	1730	25	1006.4	1003.5	+0.0	28.1	25.9	25.0	31.7	84	+ 2	6.7	+0.3	1.5	0	0	22	00	2	0	6	0	13	1	0	9	0
PORT BLAIR	0530	79	1006.7	997.7	..	26.2	25.0	24.5	30.8	91	..	6.3	..	6.1	0	4	13	00	1	1	0	3	11	1	0	14	0
	0830	79	1008.0	999.2	-0.6	29.4	26.5	25.4	32.4	80	+ 3	6.2	+0.1	8.3	0	4	17	00	1	3	2	7	7	0	1	10	0
	1130	79	1007.2	998.4	..	30.2	26.8	25.4	32.5	77	..	6.2	..	12.0	0	5	23	00	1	6	5	9	5	2	0	3	0
	1430	79	1005.3	996.5	..	29.7	26.4	25.0	31.8	77	..	6.4	..	12.7	0	5	25	00	3	6	2	6	9	3	1	1	0
	1730	79	1005.8	996.9	-0.9	28.0	25.7	24.8	31.3	83	- 1	6.5	-0.1	7.4	0	2	24	00	1	3	1	4	11	3	3	5	0
	2030	79	1007.7	998.8	..	27.0	25.5	24.8	31.3	88	..	5.0	..	6.7	0	2	19	00	1	2	1	2	11	3	1	10	0
	2330	79	1007.3	998.3	..	26.7	25.5	25.0	31.6	90	..	5.3	..	7.2	0	4	19	00	0	0	1	3	12	5	2	8	0
CAR NICOBAR	0830	10	1008.4	1007.2	-0.6	29.7	27.4	26.3	34.3	83	+ 4	6.5	+0.3	2.1	0	0	21	00	5	0	5	0	11	0	0	10	0
	1730	10	1006.3	1005.1	-0.4	28.5	27.3	26.7	34.6	89	+ 5	6.6	+0.6	0.7	0	0	7	00	0	0	0	0	7	0	0	24	0
NAN COWRY	0830	26	1009.2	1006.3	-0.3	28.6	26.5	25.7	33.0	84	+ 3	5.7	-0.4	6.1	0	1	25	00	0	0	0	7	17	2	0	5	0
	1730	26	1006.5	1003.6	-0.7	28.1	26.0	25.1	31.9	84	+ 0	5.5	-0.6	5.5	0	1	21	00	0	0	0	1	17	3	1	8	0
KONDUL	0830	8	1009.9	1009.0	+0.3	28.6	26.6	25.8	33.3	84	+ 1	6.2	+0.2	3.9	0	0	16	00	0	3	13	0	0	0	0	15	0
	1730	8	1007.8	1006.9	+0.5	28.1	26.3	25.6	32.8	86	- 1	6.1	+0.4	4.6	0	1	12	00	0	3	10	0	0	0	0	18	0
HUT BAY/LITTLE ANDAMAN	0830		1008.7	1007.9	..	29.5	27.2	26.3	34.5	84	..	6.7	..	7.1	0	1	25	00	8	0	3	4	9	0	2	5	0
	1730		1006.6	1005.7	..	28.3	26.9	26.3	34.2	89	..	6.9	..	5.6	0	0	24	02	2	0	0	0	17	2	1	7	0
NORTH ASSAM(INCLUDING NEFA)																											
PASIGHAT	0830	157	1008.2	990.5	+1.1	25.6	22.1	20.1	23.9	74	- 7	5.6	-1.0	7.9	0	5	23	09	2	4	0	1	2	0	10	3	0
	1730	157	1003.5	986.0	+0.3	27.5	23.8	22.0	26.7	73	- 8	5.0	-1.2	3.4	0	0	23	04	0	0	0	5	0	2	12	8	0
DIBRUGARH(MOHANBARI)	0230	111	1005.7	993.0	..	23.2	22.1	21.5	25.9	90	..	5.8	..	2.4	0	0	12	01	9	2	0	0	0	0	0	19	0
	0530	111	1006.6	993.9	..	22.7	21.9	21.5	25.8	93	..	5.8	..	3.4	0	0	15	02	6	4	0	0	1	0	2	16	0
	0830	111	1008.1	995.5	+1.1	25.9	23.3	21.6	26.1	78	- 4	6.0	-0.5	5.8	0	0	26	06	14	5	0	0	0	0	1	5	0
	1130	111	1006.8	994.4	..	28.7	24.0	21.7	26.1	67	..	5.9	..	7.2	0	1	26	04	7	8	1	2	1	1	3	4	0
	1430	111	1003.9	991.5	..	29.6	24.2	21.5	25.8	63	..	5.3	..	7.0	0	2	28	01	13	8	0	1	3	2	2	1	0
	1730	111	1003.3	990.9	+0.8	28.8	24.3	22.2	26.9	69	- 9	5.4	-0.6	4.3	0	1	16	01	8	5	0	0	3	0	0	14	0
	2030	111	1005.4	992.9	..	25.3	23.4	22.4	27.3	84	..	4.8	..	2.5	0	0	10	03	4	1	1	0	0	0	1	21	0
	2330	111	1005.8	993.1	..	24.2	22.9	22.2	26.9	89	..	5.6	..	2.5	0	0	12	03	7	1	0	0	0	1	0	19	0
DIGBOI	0830		(R)																								
	1730		(R)																								
NORTH LAKHIMPUR	0830	102	1007.9	996.6	+1.6	26.6	23.5	21.9	26.5	77	- 8	5.8	-1.0	4.9	0	0	28	05	16	5	0	1	1	0	0	3	0
	1130	102	1007.0	995.6	..	28.9	24.3	22.1	26.8	69	..	5.6	..	6.8	0	0	28	00	12	7	2	2	2	0	0	3	3
	1430	102	1004.2	992.8	..	29.6	24.6	22.3	27.1	67	..	5.3	..	6.3	0	0	29	03	8	5	0	6	2	0	3	2	2
	1730	102	1003.4	992.2	+1.2	28.1	24.6	22.8	27.9	75	- 8	5.8	-0.2	4.1	0	0	25	04	10	2	1	4	2	1	1	6	0
	2030	102	1005.5	994.0	..	25.2	23.5	22.7	27.8	86	..	5.3	..	4.1	0	1	22	08	4	0	1	0	6	0	2	8	2
SIBSAGAR	0830		(R)																								
	1730		(R)																								
GOHPUR	0830	83	1008.0	998.7	..	27.1	24.4	23.0	28.2	79	- 8	5.3	..	0.8	0	0	11	00	0	10	0	0	0	1	0	20	0
	1730	83	1003.1	993.8	..	28.6	25.1	23.5	29.2	75	- 6	5.4	..	1.1	0	0	11	00	0	9	0	0	0	2	0	20	0
MAJBAT	0830	120	1006.8	993.3	+0.7	26.8	24.9	24.0	30.3	86	..	2.1	-3.9	1.2	0	0	8	00	7	0	0	0	1	0	0	23	0
	1730	120	1003.8	990.3	+1.1	28.9	27.1	26.4	35.1	87	..	2.5	-2.1	1.0	0	0	10	00	3	0	2	0	5	0	0	21	0
JORHAT AERODROME	0530	90	1006.2	996.0	..	23.4	22.6	22.1	26.8	93	..	5.6	..	1.5	0	0	5	00	3	1	0	1	0	0	0	26	0
	0830	90	1007.6	997.5	..	27.7	24.0	22.2	27.0	72	..	5.5	..	6.6	0	3	16	01	11	3	0	1	1	1	0	12	1
	1130	90	1006.2	996.2	..	30.3	25.3	22.7	27.8	65	..	5.1	..	9.0	0	2	22	03	14	1	0	2	1	1	0	7	2
	1730	90	1003.0	993.0	..	28.5	24.6	22.7	27.8	72	..	4.7	..	5.3	0	0	18	02	13	0	1	1	0	0	1	13	0
	2330	90	1005.3	995.2	..	24.7	22.2	20.9	24.8	80	..	4.5	..	3.0	0	0	10	01	8	0	0	0	1	0	0	21	0
TANGLA	0830	78	1004.9	997.7	+0.8	27.5	24.3	22.8	27.9	77	- 5	4.4	-0.8	3.0	0	0	20	01	0	7	0	5	0	6	1	11	0
	1730	78	1000.5	993.3	+0.1	30.1	25.4	23.3	28.8	68	- 8	2.6	-1.3	1.7	0	0	14	01	0	4	0	3	0	6	0	17	0
TEZPUR	0830	79	1007.7	998.8	+0.4	26.4	23.6	22.1	26.7	78	- 3	4.7	-0.9	1.2	0	0	10	00	7	0	1	0	2	0	0	21	0
	1730	79	1003.2	994.5	+0.7	30.5	25.4	22.8	28.1	65	-11	3.2	-1.2	1.5	0	0	13	00	10	0	1	0	2	0	0	18	0
GOLAGHAT	0830	95	1006.3	996.0	+0.6	26.9	23.9	22.4	27.3	78	- 6	3.4	-2.9	2.1	0	0	29	07	9	1	2	0	3	3	4	2	0
	1730	95	1002.0	991.4	-0.8	30.5	24.7	21.9	26.5	62	-14	3.3	-2.0	0.4	0	0	5	01	0	2	1	0	0	1	0	22	0
RANGIA	0830	60	1009.1	1002.3	..	27.9	25.0	23.6	29.3	79	- 4	4.6	..	5.1	0	0	23	00	1	12	1	0	0	7	2	5	0
	1730	60	1004.2	997.6	..	30.8	26.4	24.6	31.0	70	- 3	3.7	..	3.2	0	0	16	01	1	3	0	2	0	7	2	10	0
CHAPARMUKH	0830		..	..	..	28.8	25.1	23.3	28.9	73	- 5	4.0	-1.5	4.6	0	0	26	00	2	7	11	0	2	1	3	0	0
	1730		..	..	..	30.0	25.1	22.8	28.1	66	- 7	3.7	-0.4	3.6	0	0	12	02	0	2	5	0	3	0	0	6	0
GOALPARA	0830	38	1007.3	1003.0	+1.7	26.7	23.7	22.6	27.4	80	- 2	5.8	+0.4	2.0	0	0	30	01	9	12	4	0	0	3	1	1	0
	1730	38	1002.6	998.5	+1.7	30.8	25.2	22.6	27.4	63	-10	5.4	+0.8	1.7	0	0	26	01	5	10	4	0	0	6	0	5	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY 1969 VAISAKHA 11 - JYAISTHA 10, 1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NORTH ASSAM (INCLUDING NEFA) (CONTD.)																											
GAUHATI (BHORJOR)	0230	54	1004.8	998.6	..	24.1	23.0	22.4	27.2	90	..	4.5	..	4.3	0	0	14	00	5	1	0	4	2	0	2	17	0
	0530	54	1005.8	999.6	..	23.9	22.9	22.5	27.4	92	..	5.5	..	2.5	0	0	12	01	3	2	1	3	2	0	0	19	0
	0830	54	1007.3	1001.2	+0.9	28.0	24.4	22.6	27.7	73	- 6	4.9	-0.6	7.7	0	0	27	05	8	5	0	0	3	2	4	4	0
	1130	54	1006.0	1000.0	..	30.9	24.9	22.1	26.9	61	..	5.1	..	6.8	0	1	18	04	5	2	0	0	0	3	5	12	0
	1430	54	1003.2	997.2	..	32.2	25.3	22.1	26.8	58	..	5.3	..	10.5	0	2	28	03	10	1	2	1	1	6	6	1	0
	1730	54	1002.6	996.5	+0.7	30.4	24.8	22.2	26.7	62	-10	5.2	+0.8	7.7	0	0	25	02	3	3	1	3	3	5	5	6	0
	2030	54	1004.7	998.6	..	27.0	24.3	23.1	28.5	79	..	4.1	..	3.8	0	0	13	01	2	1	0	7	2	0	0	18	0
	2330	54	1005.1	998.9	..	25.5	23.6	22.7	27.8	85	..	3.9	..	4.3	0	0	12	02	3	2	1	2	1	1	0	19	0
DHUBRI (RUPSI)	0530	45	1005.3	1000.2	..	23.8	23.0	22.6	27.6	93	..	5.1	..	4.5	0	0	24	02	9	5	5	1	1	1	0	7	0
	0830	45	1007.0	1001.9	+2.0	27.7	24.4	22.9	28.1	77	- 2	4.7	-0.7	6.2	0	0	30	01	7	10	2	4	3	2	1	1	0
	1130	45	1006.1	1001.0	..	30.5	25.4	23.0	28.4	66	..	4.5	..	9.1	0	1	30	01	3	10	4	5	5	2	1	0	0
	1730	45	1002.2	997.1	+1.7	31.2	26.0	23.7	29.6	65	- 7	3.6	-0.5	4.9	0	0	26	02	2	7	3	5	3	2	2	5	0
DHUBRI	0830	35	..	..	..	27.5	24.8	23.4	28.9	79	- 5	3.9	-1.4	5.2	0	0	23	01	9	6	4	1	1	0	1	8	0
	1730	35	..	..	..	30.1	25.8	23.9	29.8	70	- 7	3.6	-0.4	3.1	0	0	20	00	5	5	4	5	0	0	1	11	0
LUMDING	0830	149	1008.2	991.6	..	28.1	23.9	21.8	26.3	71	- 5	4.1	..	1.4	0	0	10	00	0	7	0	0	0	2	1	21	0
	1730	149	1004.3	987.7	..	29.8	24.7	21.7	26.3	66	..	4.7	..	1.6	0	0	10	02	0	4	1	0	0	1	2	21	0
BOMDILLA	0830		..	..	..	13.3	11.8	10.7	13.1	85	..	6.4	..	1.5	0	0	18	01	0	1	4	5	4	3	0	13	0
	1730		..	..	..	12.9	11.4	10.2	12.7	84	..	8.0	..	1.2	0	0	16	00	1	0	3	3	7	2	0	15	0
TAWANG	0830		..	..	..	14.4	13.8	13.4	15.5	94	..	3.8	..	1.4	0	0	18	00	0	4	0	13	0	1	0	13	0
	1730		..	..	..	10.8	10.2	9.8	12.3	94	..	3.5	..	2.1	0	0	22	01	0	9	0	12	0	0	0	9	0
TEZU	0830		..	..	..	25.9	22.7	20.8	24.8	75	..	5.9	..	0.1	0	0	2	00	0	0	0	0	0	0	0	29	2
	1730		..	..	..	27.8	24.3	22.7	27.7	75	..	5.0	..	0.1	0	0	2	00	0	0	0	0	0	0	0	29	2
ALONG	0830		..	..	..	24.4	21.6	20.1	23.7	78	..	5.5	..	0.2	0	0	3	00	0	0	0	0	1	0	1	28	1
	1730		..	..	..	26.7	23.2	21.6	26.0	74	..	4.6	..	0.5[a]	0	0	5	00	0	0	0	3	0	1	1	25	0
ZIRO	0830		..	..	..	18.8	16.4	15.0	17.2	79	..	4.9	..	4.6	0	1	17	03	8	0	0	1	1	2	3	13	0
	1730		..	..	..	19.7	16.8	15.2	17.3	76	..	4.5	..	3.5	0	0	17	01	1	0	2	2	7	2	2	14	0
KHONSA	0830		..	..	..	25.5	20.4	17.5	20.5	63	..	6.3	..	0.3[b]	0	0	3	01	1	0	0	0	0	0	1	21	0
	1730		..	..	..	24.8	20.3	17.7	20.6	65	..	5.9	..	0.3[b]	0	0	2	00	0	1	0	1	0	0	0	21	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
TURA	0830	370	1008.4	966.8	+1.7	26.1	23.9	22.8	28.1	82	+ 1	5.0	-0.6	5.4	0	0	28	01	3	5	4	6	5	4	0	3	0
	1730	370	1003.2	962.6	+1.3	28.1	25.4	24.0	30.2	79	+ 3	5.3	+0.8	5.0	0	0	29	02	1	9	2	8	3	4	0	2	0
HAFLONG	0830	682	..	..	..	23.9	21.3	19.9	23.5	79	- 3	4.3	-1.1	2.6	0	0	31	00	0	0	0	8	23	0	0	0	0
	1730	682	1003.1	929.2	+1.9	26.6	22.1	19.9	23.3	67	- 7	3.9	-0.6	2.3	0	0	31	00	0	0	0	5	26	0	0	0	0
SILCHAR (KUMBHIRGRAM)	0530	97	1006.5	994.0	..	23.7	22.3	21.5	25.9	88	..	5.8	..	7.7	0	0	30	01	2	26	0	0	0	1	0	1	0
	0830	97	1007.8	995.6	+0.7	27.7	24.1	22.4	27.2	74	- 5	4.7	-0.8	8.3	0	0	28	00	3	21	3	1	0	0	0	3	0
	1130	97	1006.5	994.2	..	31.0	25.1	22.2	27.1	61	..	5.1	..	8.5	0	0	30	00	2	5	0	8	8	7	0	1	0
	1730	97	1003.3	991.1	+0.7	30.4	24.9	22.2	27.1	62	-12	4.7	+0.5	7.2	0	3	20	00	0	4	1	4	0	14	0	8	0
SILCHAR	0830	29	1007.5	1004.3	+0.2	28.3	24.9	23.3	28.6	75	- 6	4.4	-1.0	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	29	1002.8	999.6	+0.0	31.2	25.7	23.2	28.5	63	-12	4.0	-0.5	0.2	0	0	3	00	1	0	0	0	1	1	0	28	0
IMPHAL (TULIHAL)	0530	781	1008.2	921.9	..	20.3	18.7	17.8	20.6	86	..	4.5	..	0.6	0	0	2	01	0	0	0	0	0	1	0	29	0
	0830	781	1007.9	923.0	+0.9	25.8	20.7	18.1	20.9	63	-11	3.7	-1.9	5.8	0	0	13	03	0	0	1	2	1	3	3	18	0
	1130	781	1005.6	921.9	..	28.9	20.9	16.5	19.2	48	..	4.6	..	12.0	0	6	18	02	0	1	4	2	1	6	8	7	0
	1430	781	1002.4	919.1	..	30.4	21.1	15.6	18.0	43	..	4.1	..	17.4	0	13	16	03	0	0	3	1	2	5	15	2	0
	1730	781	1002.9	919.0	+2.4	27.3	20.5	16.7	19.2	54	-12	4.2	-0.7	14.0	0	9	18	01	0	0	3	2	1	5	15	4	0
	2030	781	1006.2	921.1	..	23.9	19.8	17.6	20.1	68	..	3.2	..	3.2	0	1	7	01	1	0	0	1	1	1	3	23	0
	2330	781	1007.2	921.5	..	22.0	19.2	17.7	20.4	78	..	3.8	..	2.1	0	0	6	00	0	1	0	1	0	0	4	25	0
KAILASHAHAR	0530	29	1006.9	1003.6	..	24.6	23.8	23.5	29.1	94	..	4.3	..	2.9	0	0	21	01	2	2	5	5	3	1	2	10	0
	0830	29	1008.1	1004.9	+1.3	28.7	25.5	24.1	30.2	78	+ 2	4.5	-0.6	6.2	0	1	26	00	4	2	7	6	3	1	4	4	0
	1130	29	1006.8	1003.6	..	31.9	26.1	23.6	29.2	62	..	4.7	..	9.2	0	0	30	04	1	3	2	6	4	6	4	1	0
	1730	29	1003.8	1000.5	+1.5	30.5	26.1	24.1	30.1	70	+ 2	4.8	+0.3	5.4	0	0	29	04	4	0	3	4	1	5	8	2	0
AGARTALA	0230	16	1004.2	1002.4	..	25.5	24.4	23.9	29.8	91	..	2.9	..	6.7	0	1	21	00	1	2	6	11	1	1	0	9	0
	0530	16	1005.0	1003.2	..	25.2	24.3	23.9	29.8	92	..	4.5	..	5.0	0	0	23	01	0	2	10	9	0	0	0	8	1
	0830	16	1006.5	1004.7	+1.4	29.5	26.0	24.1	30.2	72	- 5	4.6	-1.0	7.7	0	0	29	05	3	3	3	7	5	1	2	2	0
	1130	16	1005.5	1003.7	..	32.0	26.2	23.7	29.4	62	..	5.5	..	11.3	0	2	27	03	4	3	0	4	9	4	2	2	0
	1430	16	1002.9	1001.1	..	32.4	26.0	23.1	28.6	59	..	5.0	..	10.6	0	1	28	03	4	0	1	7	4	4	6	2	0
	1730	16	1002.4	1000.6	+1.3	30.9	25.9	23.3	28.8	64	-10	4.8	-0.1	9.4	0	1	29	03	2	4	3	4	4	6	4	1	0
	2030	16	1004.4	1002.6	..	27.8	25.3	24.2	30.4	82	..	3.2	..	7.0	0	2	22	01	0	1	7	10	1	1	2	7	1
	2330	16	1004.7	1002.9	..	26.4	24.9	24.3	30.4	88	..	3.6	..	6.4	0	0	20	01	0	0	3	13	1	1	1	11	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SOUTH ASSAM(INCLUDING NAGALAND, MANIPUR AND TRIPURA)(CONTD.)																											
TUENSANG	0830		(R)																								
	1730		(R)																								
MOKOKCHUNG	0830		(R)																								
	1730		(R)																								
SUB-HIMALAYAN WEST BENGAL																											
BAGHDOGRA	0230	131	1004.7	989.8	..	23.6	22.3	21.6	26.2	89	..	4.8	..	8.8	0	2	19	03	13	4	0	0	0	0	1	10	0
	0530	131	1005.3	990.3	..	23.0	21.7	21.0	25.3	90	..	5.2	..	7.5	0	1	16	02	10	4	0	0	0	0	1	14	0
	0830	131	1006.8	992.1	+1.8	28.6	23.9	21.5	25.7	67	- 7	4.9	-0.3	11.2	0	2	20	01	9	9	3	0	0	0	0	9	0
	1130	131	1006.1	991.5	..	31.0	25.1	22.2	27.1	62	..	5.2	..	15.8	0	5	25	01	4	17	5	2	0	0	0	1	1
	1430	131	1003.3	988.8	..	31.8	25.2	21.9	26.5	57	..	5.2	..	14.4	0	5	26	01	5	17	3	1	1	2	1	0	0
	1730	131	1002.3	987.7	+1.5	29.8	24.7	22.0	26.8	65	- 1	4.7	+0.8	13.0	0	1	28	01	14	7	3	1	0	1	2	2	0
	2030	131	1004.4	989.6	..	26.6	23.7	22.3	27.4	77	..	4.2	..	7.0	0	1	22	10	7	4	0	0	1	0	1	8	0
	2330	131	1005.0	990.2	..	25.2	23.2	22.2	27.0	84	..	4.4	..	7.0	0	1	20	05	7	3	2	0	0	2	2	10	0
JALPAIGURI	0830	83	1007.0	997.7	+1.1	27.1	23.8	22.1	26.9	75	- 5	4.2	-0.7	4.5	0	1	28	06	5	13	3	1	1	0	0	2	0
	1730	83	1002.4	993.2	+1.1	29.6	25.3	23.3	28.8	69	+ 0	3.1	-0.3	6.3	0	1	29	06	7	7	6	2	0	1	1	1	0
COOCH BEHAR AERODROME	0830	43	1007.3	1002.5	+2.2	27.4	24.3	22.8	27.9	77	- 2	4.4	-1.3	9.5	0	2	22	04	4	14	0	1	0	1	0	7	0
	1130	43	1006.5	1001.7	..	29.7	25.1	23.0	28.4	69	..	4.7	..	12.6	0	3	24	04	2	15	1	4	0	0	0	4	1
	1730	43	1002.6	997.9	+1.8	30.2	25.9	23.9	29.9	70	- 3	4.0	+0.2	4.4	0	1	12	02	2	7	0	1	0	1	0	18	0
BALURGHAT	0830		(R)																								
	1730		(R)																								
MALDA	0830	31	1006.2	1002.7	+1.6	29.4	25.2	23.4	28.9	71	- 1	2.7	-1.7	2.5	0	0	25	01	1	5	4	9	3	1	1	6	0
	1730	31	1001.7	998.2	+1.6	32.0	25.0	21.7	26.1	56	+ 1	3.2	+0.0	2.7	0	0	29	00	3	6	6	8	3	2	1	2	0
GANGETIC WEST BENGAL																											
BERHAMPORE	0830	19	1006.0	1003.9	+1.7	29.4	25.9	24.3	30.4	75	+ 3	2.2	-2.1	5.4	0	0	30	00	1	10	2	13	4	0	0	1	0
	1730	19	1001.7	999.6	+2.0	31.8	25.8	23.0	28.2	62	+ 7	4.6	+0.5	4.6	0	0	27	01	2	9	4	6	4	1	0	4	0
SURI	0830		..	..	..	30.8	25.4	23.0	28.3	64	+ 5	1.9	-1.5	5.2	0	0	30	06	1	4	3	16	0	0	0	0	0
ASANSOL	0230	126	1003.3	989.1	..	26.1	24.2	23.2	28.7	85	..	1.5	..	4.4	0	0	18	00	0	3	1	11	3	0	0	13	0
	0530	126	1004.1	989.8	..	25.6	24.0	23.3	28.8	88	..	2.6	..	3.2	0	0	19	00	0	4	3	11	0	1	0	12	0
	0830	126	1005.5	991.5	+1.3	30.5	25.9	23.8	29.8	68	+ 6	2.1	-0.8	5.7	0	0	27	01	2	5	4	8	4	3	0	4	0
	1130	126	1004.4	990.6	..	34.4	27.2	24.2	30.4	57	..	2.9	..	6.2	0	0	30	00	4	3	9	8	2	3	1	1	0
	1430	126	1001.7	987.9	..	35.7	27.0	23.1	28.7	50	..	3.8	..	5.8	0	1	30	01	4	6	7	9	3	1	0	0	0
	1730	126	1001.1	987.3	+2.3	32.9	26.1	23.1	28.5	59	+17	4.3	+0.4	5.5	0	0	28	00	3	8	2	11	2	2	0	3	0
	2030	126	1003.7	989.6	..	28.9	25.0	23.2	28.7	74	..	2.9	..	7.3	0	1	29	01	1	7	6	13	1	0	1	1	0
	2330	126	1004.2	990.1	..	27.5	24.8	23.5	29.1	79	..	2.1	..	7.9	0	1	26	01	1	3	2	15	4	1	0	4	0
SHANTI NIKETAN	0830	59	1006.4	999.8	..	29.2	25.6	24.0	30.0	75	..	2.4	..	7.4	0	1	23	01	4	1	3	11	4	0	0	7	0
	1130	59	1005.8	999.3	..	32.3	25.4	22.1	27.0	56	..	2.2	..	5.9	0	0	28	01	7	0	2	13	3	1	1	3	0
	1730	59	1002.0	995.4	..	32.1	25.9	23.2	28.6	61	..	4.1	..	5.5	0	0	20	00	3	0	3	12	1	0	1	11	0
KRISHNANAGAR	0830	15	1006.5	1004.6	+1.0	31.0	26.5	24.6	31.1	69	- 3	2.1	-1.8	2.9	0	0	18	00	0	0	0	17	1	0	0	13	0
	1730	15	1003.5	1001.9	+3.3	32.4	25.9	23.0	28.4	59	- 2	3.9	-0.2	2.6	0	0	23	02	2	0	1	18	0	0	0	8	0
PURULIA	0830	255	1005.6	977.4	+1.9	29.2	24.9	22.9	28.1	69	+16	2.3	-0.2	4.9	0	1	27	00	4	0	9	10	3	0	2	3	0
	1730	255	1001.0	973.3	+2.2	33.1	25.1	21.3	25.5	53	+18	4.5	-0.3	5.7	0	0	31	00	6	3	12	5	3	1	1	0	0
BANKURA	0830	100	1005.5	994.3	..	29.8	25.3	23.2	28.6	68	..	1.3	..	1.9	0	1	19	00	4	3	1	8	1	2	0	11	1
	1730	100	1003.1	992.0	..	30.8	25.1	22.4	27.2	64	..	2.1	..	0.1	0	0	2	00	0	0	0	0	0	0	0	29	2
BURDWAN	0830	32	1006.1	1002.5	+2.0	30.8	26.0	23.7	29.4	66	- 8	1.8	-1.4	8.0	0	0	29	01	3	5	3	8	9	0	0	1	0
	1730	32	1001.7	998.2	+2.0	32.5	25.8	22.6	27.6	57	+ 2	3.3	+0.2	6.6	0	0	28	00	1	9	4	8	6	0	0	3	0
CALCUTTA (DUM DUM)	0230	6	1003.5	1002.8	..	26.5	25.1	24.4	30.8	88	..	2.3	..	9.4	0	2	25	01	3	1	4	9	9	0	0	4	0
	0530	6	..	..	..	..	..	..	..	..	..	3.4	..	10.5	1	0	23	03	0	3	3	9	6	0	0	7	0
	0830	6	1006.1	1005.4	+1.6	30.6	26.6	24.9	31.6	72	- 3	4.1	-0.4	13.2	0	2	27	00	1	5	2	12	8	1	0	1	0
	1130	6	1005.2	1004.5	..	33.0	27.0	24.2	30.4	60	..	4.1	..	14.4	0	5	26	01	0	1	2	18	9	0	0	0	0
	1430	6	1002.6	1001.9	..	34.2	27.0	24.0	30.0	56	..	4.3	..	16.8	0	8	23	01	0	1	4	14	11	0	0	0	0
	1730	6	1002.3	1001.6	+1.7	31.6	26.1	23.8	29.6	64	- 4	4.3	+0.3	19.3	1	9	21	01	2	1	3	11	12	0	1	0	0
	2030	6	1004.6	1003.9	..	28.3	25.3	24.0	30.1	78	..	2.8	..	13.5	0	3	25	00	1	1	2	14	9	1	0	2	0
	2330	6	1004.8	1004.1	..	27.2	25.4	24.6	31.2	86	..	2.7	..	12.5	0	2	27	01	0	0	2	12	14	0	0	1	0
CALCUTTA	0830	6	1006.0	1005.3	+1.6	31.6	26.5	24.3	30.5	65	- 9	4.8	+0.6	7.4	0	0	29	00	2	4	1	15	5	2	0	2	0
	1130	6	1005.3	1004.6	..	33.9	26.5	23.3	28.7	54	..	4.6	..	8.3	0	1	30	01	1	0	4	17	8	0	0	0	0
	1730	6	1002.4	1001.7	+1.9	31.9	25.8	23.1	28.4	60	- 7	4.2	+0.4	9.9	0	3	28	03	2	2	3	16	5	0	0	0	0
MIDNAPORE	0830	45	1005.7	1000.6	+1.7	30.0	26.7	25.4	32.7	77	+ 9	2.8	-0.4	5.4	0	1	27	01	2	2	2	15	6	0	0	3	0
	1730	45	1002.1	997.0	+2.3	31.8	27.6	25.7	33.9	72	+15	3.5	-0.8	32.4	1	0	28	00	2	1	0	23	3	0	0	2	0
CONTAI	0830	11	1006.6	1005.4	+2.6	31.1	26.7	24.8	31.4	69	- 7	4.1	+0.1	11.5	0	3	28	01	1	0	5	11	13	0	0	0	0
	1730	11	1002.8	1001.6	+2.2	30.3	26.5	24.9	31.6	73	- 7	4.1	+0.2	17.4	0	12	19	00	0	0	6	20	4	0	1	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — MAY 1969 VAISAKHA 11 - JYAISTHA 10, 1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL WEST BENGAL (CONTD.)																											
SAGAR ISLAND	0830	3	1005.7	1005.4	+1.3	30.3	26.7	25.2	32.2	75	- 2	4.3	-0.5	11.1	0	5	25	01	2	1	6	13	5	1	1	1	0
	1730	3	1002.6	1002.3	+1.5	30.6	27.0	25.4	32.5	74	- 7	3.9	-0.6	15.0	0	7	24	01	0	0	14	14	2	0	0	0	0
KHIDDERPORE	0530	10	1004.3	1003.2	..	29.3	26.6	25.6	32.9	81	..	4.5	..	15.8	0	9	22	00	0	0	4	9	18	0	0	0	0
	0830	10	1006.1	1005.0	+1.1	30.7	27.1	25.5	32.7	74	- 8	3.9	-0.2	13.4	0	4	26	00	1	0	8	4	16	0	1	1	0
	1130	10	1006.0	1004.9	..	31.4	27.3	25.6	32.7	72	..	4.4	..	11.2	0	2	28	00	0	1	8	3	18	0	0	1	0
	1730	10	1003.1	1002.0	+1.5	30.5	27.2	25.9	33.5	77	- 8	4.4	+0.9	15.0	0	9	19	00	0	1	6	12	9	0	0	3	0
	2330	10	1005.3	1004.2	..	29.4	26.8	25.6	33.0	80	..	.	..	17.0	0	8	22	01	0	0	7	6	16	0	0	1	0
CHANDRAPUR	0830		..	..	..	31.0	26.9	25.1	32.0	72	..	4.7	..	5.5[g]	0	0	24	00	1	1	3	11	8	0	0	0	0
	1730		..	..	..	31.5	26.7	24.8	31.3	68	..	4.6	..	5.7[h]	0	0	23	00	0	1	0	12	10	0	0	0	0
BAGATI	0830		..	..	..	30.3	26.5	24.9	31.7	73	..	3.9	..	7.9	0	2	28	02	3	1	5	3	10	4	0	1	2
	1730		..	..	..	31.3	26.2	23.8	29.4	66	..	3.6	..	7.0	0	1	30	00	2	1	1	4	22	1	0	0	0
ORISSA																											
BARIPADA	0830	54	1006.3	1000.2	+0.6	30.7	25.6	23.3	28.8	65	- 4	2.8	-0.6	3.4	0	0	27	02	2	1	5	8	6	1	0	4	2
	1730	54	1003.1	997.1	+3.6	32.0	26.2	23.7	29.7	62	+11	4.8	+0.5	4.9	0	0	25	00	0	1	8	11	5	0	0	6	0
JHARSUGUDA	0230	230	1003.0	978.0	..	27.2	23.7	22.0	26.6	74	..	3.3	..	9.8	0	4	23	01	3	3	6	12	2	0	0	4	0
	0530	230	1003.7	977.9	..	26.1	23.6	22.3	27.1	80	..	3.5	..	6.3	0	1	26	01	7	8	7	3	0	1	0	4	0
	0830	230	1005.1	979.7	+1.5	30.2	24.7	22.1	26.7	63	+18	2.7	+0.1	8.6	0	1	27	01	2	3	9	10	3	0	0	3	0
	1130	230	1003.9	978.9	..	34.2	25.4	21.2	25.4	47	..	2.6	..	8.6	0	2	27	01	1	1	4	7	5	8	2	2	0
	1430	230	1000.6	975.8	..	36.6	25.1	19.3	22.7	38	..	3.3	..	11.7	0	6	24	00	3	0	2	7	6	8	4	1	0
	1730	230	1000.0	975.0	+2.3	34.6	24.4	19.0	22.3	44	+19	4.5	+0.5	11.7	0	3	26	02	0	2	5	9	7	4	0	2	0
	2030	230	1002.3	977.0	..	30.8	24.0	20.5	24.3	56	..	3.5	..	12.6	0	7	24	01	2	4	8	11	4	1	0	0	0
	2330	230	1003.5	978.0	..	28.8	23.8	21.4	25.6	65	..	3.4	..	10.6	0	5	26	00	2	4	11	9	2	2	1	0	0
KEONJHARGARH	0830	463	1003.5	957.6	+3.7	26.2	23.2	21.7	26.2	76	+23	3.0	+0.5	1.4[b]	0	0	21	01	1	5	2	3	0	9	0	8	0
	1730	463	999.0	948.9	-1.3	30.8	23.9	20.8	25.3	58	+20	2.8	-1.4	1.9[b]	0	0	28	00	2	0	11	5	2	8	0	1	0
BALASORE	0830	20	1005.7	1003.5	+1.7	30.7	25.6	23.3	28.7	65	- 6	4.0	-0.6	11.9[b]	0	5	22	00	1	0	1	11	12	1	1	2	0
	1730	20	1002.6	1000.4	+2.4	30.2	26.1	24.3	30.3	71	- 1	4.6	-0.4	12.3[c]	0	3	25	01	0	0	7	16	4	0	0	0	0
SAMBALPUR	0830	148	1004.5	988.3	+0.9	31.8	26.0	23.3	26.6	55	+ 5	3.0	+0.6	11.2[b]	1	0	10	01	0	3	6	0	1	0	0	18	0
	1730	148	999.7	983.6	+1.3	36.3	25.8	20.7	24.5	41	+12	2.8	-0.7	1.7[a]	0	0	18	02	0	4	5	2	4	1	0	12	0
BOLANGIR	0830	139	1005.5	990.0	+1.2	28.5	24.9	23.3	28.8	74	+10	2.8	-0.7	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	139	1001.1	986.0	+2.0	34.3	26.4	22.8	27.8	53	+17	5.1	+0.0	..	.	..	..	..	..	..	..	..	..	..	..	..	..
CHANDBALI	0830	6	1006.0	1005.3	+1.4	29.7	26.2	24.8	31.4	75	+ 3	3.9	-0.2	6.7	0	0	31	04	2	2	6	5	10	1	1	0	0
	1730	6	1002.5	1001.8	+1.6	30.4	26.0	24.1	30.1	69	+ 1	3.7	+0.3	11.5	0	5	26	00	0	4	19	3	3	1	1	0	0
BHUBANESWAR	0830	190	1004.8	983.7	+0.8	30.7	26.1	24.0	30.0	69	+ 6	2.7	-0.8	3.1[a]	0	0	28	01	7	0	3	14	1	0	2	2	0
	1730	190	999.6	979.0	-0.3	36.3	25.6	20.1	24.1	43	- 1	4.5	-0.3	4.3	0	1	22	04	6	2	1	3	4	0	3	8	0
PURI	0830	464	1004.9	951.0	..	29.1	23.7	21.7	25.3	63	..	0.6	..	0.3	0	0	4	00	0	1	2	1	0	0	0	27	0
	1730	464	1000.8	947.6	..	32.5	23.9	19.7	23.3	49	..	1.2	..	1.2	0	0	16	01	1	0	11	3	0	0	0	15	0
CUTTACK	0830	27	1006.2	1003.2	+1.7	30.7	26.4	24.6	31.1	71	+ 0	3.2	-1.0	3.6	0	0	27	02	0	5	1	8	8	3	0	4	0
	1730	27	1002.5	999.5	+2.1	33.2	26.7	23.9	29.7	60	+ 2	2.4	-2.1	4.8	0	0	26	00	1	1	5	8	11	0	0	5	0
TELAGARH	0830	211	1005.1	982.0	+1.4	30.5	26.4	24.8	31.3	72	+26	4.0	+1.4	2.0	0	0	31	00	7	0	17	1	6	0	0	0	0
	1730	211	999.8	977.4	+1.7	37.2	27.7	23.4	29.4	49	+22	4.1	+0.8	1.9[a]	0	0	29	00	11	0	8	0	7	0	3	1	0
BHUBANESWAR	0230	46	1003.8	998.6	..	26.9	25.2	24.4	31.1	87	..	3.5	..	7.8	0	1	20	01	1	1	3	11	3	1	0	10	0
	0530	46	1004.2	999.1	..	26.6	25.1	24.4	30.7	88	..	4.5	..	5.5	0	0	18	03	1	0	1	9	2	2	0	13	0
	0830	46	1005.8	1000.7	+1.7	30.5	26.1	24.2	30.3	69	+ 1	5.3	+1.0	14.7[a]	0	10	17	02	1	3	4	12	4	1	0	4	0
	1130	46	1005.1	1000.1	..	34.1	26.1	22.4	27.3	52	..	5.3	..	19.6[a]	0	15	13	00	0	1	2	21	2	1	1	2	0
	1430	46	1002.5	997.5	..	35.6	26.3	21.9	26.6	46	..	5.1	..	22.2	0	18	13	00	0	2	6	17	5	1	0	0	0
	1730	46	1002.5	997.4	+2.1	32.5	25.6	22.3	27.1	57	- 4	5.1	+0.2	23.5[a]	0	21	8	02	1	0	12	13	1	0	0	1	0
	2030	46	1004.9	999.8	..	29.2	25.3	23.6	29.4	73	..	3.3	..	19.3	0	14	17	00	0	2	10	17	1	0	1	0	0
	2330	46	1005.0	999.9	..	28.0	25.6	24.5	31.0	82	..	3.3	..	12.4	0	6	20	00	2	0	2	15	6	1	0	5	0
PORT	0830	6	1006.9	1006.2	+2.0	30.5	27.3	26.0	33.7	78	- 4	5.4	+1.1	14.8[a]	0	8	21	01	0	0	4	6	17	1	0	1	0
	1730	6	1003.3	1002.6	+1.9	30.6	27.3	25.9	33.6	77	- 9	5.0	+0.8	13.9	0	5	26	00	0	0	1	12	19	0	0	0	0
GOPALPUR	0530	17	1004.1	1002.2	..	27.2	25.7	25.3	32.0	88	..	5.5	..	8.6	0	3	21	04	1	0	0	5	10	0	4	7	0
	0830	17	1006.0	1004.1	+1.4	29.8	26.8	25.5	33.0	78	- 3	4.8	+1.3	10.6	0	1	29	01	1	1	0	10	14	2	1	1	0
	1130	17	1005.7	1003.8	..	31.6	27.5	25.9	33.4	73	..	4.0	..	14.8	0	6	25	00	1	1	5	16	7	1	0	0	0
	1730	17	1002.7	1000.8	+1.5	30.4	27.5	26.3	34.2	79	- 7	5.0	+0.4	18.1	0	12	19	01	0	1	7	11	10	0	1	0	0
	2330	17	1005.2	1003.3	..	28.6	26.7	26.0	33.7	86	..	4.6	..	13.1	0	7	22	01	2	1	4	9	10	0	2	2	0
KORAPUT	0830	913	1490.0	907.6	+0.3	26.7	21.6	19.0	22.1	63	+ 0	3.1	+0.1	16.0	0	0	31	01	2	1	5	5	13	2	2	0	0
	1730	913	1460.2	904.3	-0.1	28.2	21.4	17.6	20.8	57	+ 8	5.8	+0.7	16.9	0	1	30	01	4	5	8	3	3	3	4	0	0
PARADIP PORT	0830		1008.2	1007.3	..	29.5	27.1	26.2	34.0	83	..	1.8	..	14.8	0	5	26	00	0	2	12	13	3	0	1	0	0
	1730		..	..	..	29.4	27.2	26.4	34.3	84	..	2.9	..	24.5	0	26	5	00	0	0	19	8	4	0	0	0	0
SUNDERGARH	0830	196	1005.9	984.2	..	30.1	24.8	22.3	27.0	63	..	1.2	..	12.0	0	10	18	00	5	2	9	7	4	1	0	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lst. in ppm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORISSA (CONTD.)																											
ROURKELA	1730	196	1000.9	979.6	..	35.2	24.4	18.5	21.8	42	..	2.9	..	15.8[8]	0	13	11	01	5	4	7	4	0	3	0	6	0
BHOWANI PATNA	0830	267	..	..	..	31.3	25.1	22.2	26.9	60	..	2.6	..	3.3	0	0	31	00	3	4	6	12	6	0	0	0	0
	1730	267	..	..	..	35.2	25.0	19.9	23.7	44	..	4.1	..	4.3	0	0	31	04	2	8	13	1	3	0	0	0	0
BIHAR PLATEAU																											
DUMKA	0830	149	1005.9	989.5	+2.3	29.2	24.4	22.0	26.7	65	+ 3	2.0	-0.6	9.4	0	0	27	00	1	14	2	1	6	2	1	4	0
	1730	149	1001.5	985.1	+2.2	31.4	24.6	21.4	25.7	57	+ 9	2.6	-0.6	10.2	0	1	28	00	0	14	7	2	4	1	1	2	0
DALTONGANJ	0830	221	1003.6	979.4	+1.1	32.6	23.9	19.4	22.7	47	+11	2.2	+0.1	2.7[b]	0	0	20	00	3	0	0	0	13	0	4	9	0
	1730	221	999.7	975.8	+1.9	36.0	22.7	13.9	17.0	35	+12	4.3	+0.9	4.6	0	0	30	01	10	0	4	0	3	0	12	1	0
HAZARIBAGH	0830	611	..	..	..	..	..	..	..	..	..	2.5	-1.3	5.3	0	0	28	01	0	2	2	9	9	0	5	3	0
	1730	611	..	..	..	..	..	..	..	..	..	4.4	+0.1	3.9	0	0	23	04	1	2	6	5	0	1	4	8	0
DHANBAD	0830	257	1004.8	976.2	+0.8	28.5	24.6	22.7	27.7	71	+17	1.6	-0.3	2.6	0	0	19	00	1	0	11	0	6	0	0	12	1
	1730	257	1000.4	972.4	..	32.9	24.3	19.8	23.4	49	..	4.5	..	6.0[a]	0	0	30	00	6	0	19	0	2	0	3	0	0
RANCHI AERODROME	0530	652	1003.5	932.0	..	23.4	20.7	21.0	25.1	97	..	2.3	..	8.1	0	0	21	00	0	0	6	5	8	2	0	10	0
	0830	652	1004.7	933.8	+2.0	27.0	22.6	20.6	24.4	69	+26	1.6	-1.4	13.3	0	5	21	01	1	3	4	4	10	2	1	4	0
	1130	652	1002.8	933.1	..	31.7	23.0	18.6	21.6	47	..	1.9	..	14.8	0	4	25	02	3	4	4	8	7	1	0	2	1
	1430	652	1000.3	930.9	..	31.9	22.3	17.2	20.1	45	..	3.7	..	16.6	0	8	19	04	4	6	4	2	2	3	2	4	0
	1730	652	1000.1	930.3	+1.5	30.2	22.0	17.4	20.4	51	+20	4.3	-0.1	16.6	0	7	22	02	2	4	10	6	1	1	3	2	0
	2030	652	1002.9	932.2	..	26.8	21.9	19.3	22.7	67	..	2.8	..	8.9	0	1	21	00	1	2	8	6	4	0	1	9	0
JAMSHEDPUR	0830	129	1005.6	991.3	+2.0	29.6	25.0	22.9	28.2	68	+11	1.3	-1.1	1.9	0	0	21	01	0	2	3	0	4	10	1	10	0
	1730	129	1001.5	987.4	+3.3	33.6	25.5	21.7	26.4	53	+20	2.4	-1.7	2.0	0	0	16	00	1	5	5	2	0	3	0	15	0
JAMSHEDPUR P.B.O.	0530	142	1003.8	987.9	..	26.0	23.7	22.7	27.7	82	..	3.1	..	1.1	0	0	4	00	0	3	0	0	1	0	0	27	0
	0830	142	1005.3	989.5	+2.3	29.3	24.8	22.5	27.4	67	+15	2.4	-0.4	5.4	0	0	20	01	2	0	1	3	7	5	1	11	0
	1130	142	1004.3	988.7	..	33.4	25.5	21.8	26.3	51	..	2.0	..	5.5	0	0	22	00	0	4	2	7	7	2	0	9	0
	1430	142	1001.3	985.9	..	35.[illegible]	25.1	19.7	23.3	40	..	3.4	..	10.5	0	4	25	00	3	8	8	5	2	2	1	2	0
	1730	142	1000.7	985.2	+2.7	33.5	24.2	19.4	22.7	48	+16	4.6	-0.4	8.4	0	3	19	00	3	4	7	5	1	2	0	9	0
	2030	142	1003.0	987.3	..	30.1	24.3	21.4	25.7	62	..	3.9	..	10.3	0	3	22	02	3	7	6	4	0	1	0	6	0
CHAIBASA	2330	142	1004.2	988.4	..	28.3	24.3	22.4	27.2	71	..	2.6	..	6.6	0	1	16	00	2	8	3	2	1	1	0	14	0
	0830	226	1004.9	979.8	+1.2	29.[illegible]	24.2	21.7	26.2	65	+10	3.3	-0.3	3.7[a]	0	0	26	01	2	0	3	0	16	0	4	4	0
	1730	226	1000.9	976.2	+2.3	33.1	24.2	19.5	23.0	49	+13	5.4	+0.0	2.7	0	0	20	00	5	0	3	1	10	0	1	11	0
BIHAR PLAINS																											
MOTIHARI	0830	66	1003.9	996.5	+0.1	29.2	26.9	25.9	34.3	83	+20	2.5	+0.8	4.6[d]	0	0	26	01	1	23	1	0	0	0	0	1	0
	1730	66	1000.8	993.8	+1.8	33.3	31.6	30.8	46.9	86	+36	0.8	-0.6	2.6[n]	0	0	12	01	0	8	0	0	0	3	0	5	0
FORBESGANJ	0830	61	1006.2	999.4	+2.3	29.1	24.3	21.7	26.1	65	- 3	3.4	-0.5	6.7	0	2	29	01	1	28	0	0	0	1	0	0	0
	1730	61	1001.5	994.8	+2.3	33.3	25.0	21.0	25.2	50	+ 1	2.5	+0.4	3.7[a]	0	0	29	00	1	15	2	2	1	7	1	1	0
DARBHANGA	0830	49	1005.7	1000.2	+1.7	30.2	26.2	24.5	31.0	71	+ 6	2.3	-0.2	3.3	0	0	25	00	7	11	7	0	0	0	0	6	0
	1730	49	1001.4	996.0	+2.1	33.4	25.0	20.8	24.7	50	+ 4	0.8	-0.4	1.5	0	0	11	00	3	6	1	0	0	1	0	20	0
MUZAFFARPUR	0830		..	..	..	29.6	25.2	23.2	28.5	70	..	2.2	..	7.4	0	1	28	01	4	22	0	0	1	0	1	2	0
	1730		..	..	..	33.4	25.9	22.4	27.6	54	..	0.5	..	3.1[a]	0	0	16	00	1	8	2	1	0	4	0	14	0
CHAPRA	0830	58	1005.3	998.8	..	31.[illegible]	24.4	21.0	25.2	56	..	1.4	..	3.1[a]	0	0	27	00	18	0	1	0	6	0	2	3	0
	1730	58	1000.8	994.5	..	35.7	24.7	19.0	22.4	40	..	0.8	..	3.1[a]	0	0	26	00	16	0	0	1	5	0	4	4	0
PURNEA	0830	38	1006.1	1001.9	+1.5	29.1	24.6	22.8	27.9	70	+ 0	2.9	-0.8	2.6	0	0	31	01	3	23	0	1	0	3	0	0	0
	1730	38	1001.6	997.4	+1.7	32.6	25.2	21.6	26.5	55	- 1	2.7	+0.5	2.3	0	0	28	02	2	15	2	3	0	4	0	3	0
PATNA AERODROME	0230	60	1001.8	995.5	..	27.5	23.3	21.0	25.2	69	..	2.5	..	9.5	0	4	19	00	2	16	3	1	0	0	1	8	0
	0530	60	1002.7	996.0	..	26.2	23.0	21.2	25.6	76	..	3.7	..	8.5	0	2	24	01	2	14	2	2	3	1	1	5	0
	0830	60	1004.4	997.7	+2.2	30.1	24.4	21.5	25.9	61	+10	2.4	+0.7	12.1	0	2	28	00	2	19	3	0	2	2	2	1	0
	1130	60	1003.9	997.3	..	34.4	25.1	20.4	24.6	47	..	2.7	..	12.5	0	3	28	00	8	15	0	1	0	5	1	0	1
	1430	60	1001.1	994.5	..	36.4	24.7	18.4	21.7	38	..	3.3	..	11.5	0	1	29	01	8	13	2	1	1	3	1	1	0
	1730	60	999.7	993.2	+2.2	35.9	24.4	18.1	21.2	37	+ 9	2.3	+0.9	9.8	0	1	28	01	9	12	1	1	1	3	1	2	0
	2030	60	1002.1	995.4	..	31.5	24.3	20.6	24.5	54	..	2.4	..	8.3	0	1	21	00	6	12	0	1	1	2	0	9	0
	2330	60	1002.7	996.0	..	29.2	23.8	21.0	25.2	63	..	2.2	..	9.0	0	2	22	00	4	17	0	2	0	0	1	7	0
BHAGALPUR	0530	49	1003.7	998.2	..	26.2	23.7	22.5	27.5	81	..	3.8	..	4.8	0	1	28	00	0	11	9	6	1	1	1	2	0
	0830	49	1005.5	1000.1	+1.9	30.3	25.4	23.2	28.6	67	+ 7	3.1	+0.4	4.6	0	0	30	00	2	14	7	7	0	0	0	1	0
	1130	49	1004.8	999.4	..	34.2	25.1	21.7	28.6	48	..	4.0	..	31.5	1	2	25	01	9	9	5	3	1	0	0	3	0
	1730	49	1000.8	995.4	+1.4	32.4	25.4	21.5	26.0	52	+ 9	3.6	+1.6	5.2	0	2	25	00	2	10	10	3	1	1	0	4	0
	2330	49	1003.6	998.2	..	29.0	24.6	22.4	27.4	70	..	2.6	..	5.8	0	1	29	00	0	9	14	4	3	0	0	1	0
SABAUR	0830	37	1005.7	1001.6	+1.9	29.9	25.6	23.6	29.5	70	+ 4	3.5	+0.4	7.6	0	1	28	02	5	9	6	3	2	1	1	1	0
	1730	37	1001.1	997.0	+1.9	33.5	26.3	22.9	28.4	56	+ 7	3.3	+0.2	5.2	0	0	25	01	5	9	7	0	1	1	1	6	0
JAMUI	0830		(R)																								
	1730		(R)																								
DEHRI	0830	107	1003.8	991.9	+1.7	31.9	23.8	19.4	22.7	50	+12	2.4	+0.9	2.7[a]	0	0	30	05	6	8	2	1	3	4	1	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BIHAR PLAINS (CONTD.)																											
DEHRI	1730	107	999.6	987.8	+2.0	36.4	24.2	17.4	20.2	37	+16	1.7	+0.3	3.4	0	0	30	01	20	4	1	0	0	4	0	1	0
GAYA	0230	116	1002.4	989.4	..	28.2	23.1	20.3	24.2	65	..	1.8	..	6.1	0	2	16	02	4	8	2	2	0	0	0	13	0
	0530	116	1003.2	990.2	..	26.7	22.7	20.5	24.4	71	..	2.5	..	7.7	1	3	13	00	7	6	0	2	0	0	2	14	0
	0830	116	1004.4	991.6	+1.7	31.6	24.3	20.4	24.5	54	+15	2.2	+0.7	12.0	0	5	25	01	9	9	2	2	5	2	0	1	0
	1130	116	1003.9	991.2	..	36.1	25.0	19.0	22.5	40	..	2.2	..	11.0	0	4	24	04	8	6	2	1	2	3	2	3	0
	1430	116	1001.1	988.5	..	37.6	24.5	16.9	20.2	35	..	2.9	..	14.3	0	7	23	04	15	3	1	0	0	3	4	1	0
	1730	116	1000.0	987.4	+1.8	36.6	24.2	17.0	20.1	39	+15	2.7	+0.8	8.8	0	3	22	02	10	4	2	1	0	1	5	6	0
	2030	116	1002.0	989.3	..	32.4	23.5	18.5	21.7	47	..	2.2	..	7.5	0	2	20	05	3	7	4	2	0	0	1	9	0
	2330	116	1002.9	990.0	..	30.2	23.6	20.2	24.0	58	..	2.2	..	8.6	0	2	24	01	7	12	2	4	0	0	0	5	0
SUPAUL	0830		..	..	..	25.3	24.2	23.8	29.7	92	..	.	..	8.3	0	0	25	00	0	25	0	0	0	0	0	3	0
	1730		..	..	..	27.9	27.1	26.7	35.2	94	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
UTTAR PRADESH EAST																											
KHERI	0830	147	1003.6	987.1	+1.0	28.4	21.9	18.2	21.3	56	+ 9	2.2	+1.2	6.6	0	0	29	01	0	16	3	1	0	8	0	2	0
	1730	147	999.5	983.5	+1.6	35.8	23.4	16.0	18.8	34	+ 5	2.2	+1.4	4.9	0	0	28	00	0	11	1	0	0	16	0	3	0
BAHRAICH	0830	124	1004.9	991.0	+1.9	30.3	22.7	18.3	21.6	51	+ 1	1.8	+0.5	9.5	0	0	27	00	0	6	16	0	1	2	2	4	0
	1730	124	999.9	986.4	+1.7	36.2	22.8	14.6	17.1	29	- 2	1.8	+0.7	5.4	0	0	24	02	3	3	3	0	6	4	3	7	0
NAUTANWA	0830	99	1004.2	993.7	+1.6	30.1	23.7	20.5	24.3	57	+ 6	1.7	+0.5	5.0	0	0	28	00	6	11	6	1	1	2	1	3	0
	1730	99	1001.2	990.3	+2.8	33.0	23.9	19.4	22.9	46	+13	1.2	+0.3	3.9	0	1	20	00	3	4	10	0	0	3	1	10	0
HARDOI	0830	142	1004.1	988.4	+2.2	30.8	21.8	16.3	18.9	44	+ 1	0.8	-0.3	4.5	0	0	25	02	3	11	1	0	0	3	5	6	0
	1730	142	999.6	984.2	+1.5	37.3	22.7	13.4	15.9	26	- 1	0.8	-0.3	2.7	0	0	23	06	2	4	1	0	0	6	4	8	0
GONDA	0830	110	1004.8	992.7	+1.7	31.9	23.7	18.8	22.3	49	+ 0	1.7	+0.3	3.9	0	0	25	00	0	20	0	0	0	2	3	6	0
	1730	110	999.8	987.9	+1.3	36.8	24.6	17.1	20.1	34	+ 6	1.1	+0.0	1.5	0	0	15	01	0	6	0	0	0	3	5	16	0
LUCKNOW	0830	111	1003.0	990.6	+0.3	28.4	22.3	18.8	22.1	58	+14	0.8	-0.4	1.0	0	0	11	00	0	11	0	0	0	0	0	20	0
	1730	111	999.2	987.2	+0.9	36.6	24.2	17.0	19.9	33	+ 6	0.9	+0.0	0.9	0	0	11	00	0	4	0	0	0	7	0	20	0
LUCKNOW(AMOUSI)	0230	128	1001.5	987.2	..	26.3	20.6	17.0	19.8	59	..	1.2	..	4.0	0	1	14	02	1	6	2	1	1	0	2	16	0
	0530	128	1002.3	987.9	..	24.8	20.1	17.1	19.9	64	..	2.1	..	4.6	0	1	18	01	2	11	1	0	0	2	2	12	0
	0830	128	1004.0	990.0	+2.1	30.1	22.0	17.0	20.0	48	+10	1.6	+0.4	9.8	0	7	20	02	2	8	8	0	0	1	6	4	0
	1130	128	1003.4	989.5	..	35.4	22.8	14.7	17.5	33	..	1.7	..	13.0	0	7	23	03	2	7	5	2	3	2	6	1	0
	1430	128	1000.9	987.1	..	37.5	22.9	13.3	16.4	28	..	2.0	..	11.4	0	4	24	05	5	7	3	0	0	2	6	3	0
	1730	128	999.2	985.3	+1.6	37.3	22.8	13.1	15.9	27	+ 7	1.4	+0.3	7.0	0	1	22	01	2	6	1	1	0	2	10	8	0
	2030	128	1001.0	986.9	..	31.9	22.4	16.7	19.5	43	..	1.1	..	2.8	0	0	15	02	2	4	1	0	0	5	1	16	0
	2330	128	1002.3	988.0	..	28.7	21.4	16.8	19.6	51	..	1.3	..	5.6	0	2	15	02	2	5	3	1	0	1	3	14	0
FAIZABAD	0830	102	1004.4	993.1	+1.6	30.9	23.3	19.1	22.5	51	+ 2	2.2	+0.6	7.2	0	1	26	00	1	12	8	1	1	3	1	4	0
	1730	102	999.6	988.6	+1.3	36.7	24.8	18.7	21.8	36	+ 6	1.8	+0.2	3.4	0	0	25	01	1	4	4	0	1	14	0	6	0
GORAKHPUR	0830	77	1004.6	996.0	+1.5	31.1	23.9	20.0	23.9	53	- 3	2.9	+1.4	2.1	0	0	26	01	5	15	2	0	2	0	1	5	0
	1730	77	1000.1	991.6	+1.3	37.0	24.5	17.6	20.6	34	- 2	1.7	+0.4	1.7	0	0	24	01	4	9	1	0	0	3	6	7	0
GORKHPUR P.B.O.	0230	78	1002.2	993.4	..	28.3	22.7	20.2	23.8	63	..	1.8	..	6.3	0	2	21	01	5	8	4	1	0	0	4	8	0
	0530	78	1003.0	994.2	..	27.5	22.4	20.2	24.0	66	..	2.1	..	6.1	0	2	19	02	7	6	2	0	1	0	3	10	0
	1130	78	1004.0	995.4	..	34.1	24.3	20.2	24.0	46	..	2.7	..	8.6	0	2	28	02	3	5	11	3	2	1	3	1	0
	1430	78	1001.3	992.6	..	35.7	24.0	19.0	22.3	39	..	2.5	..	7.6	0	0	31	04	1	7	7	5	2	1	4	0	0
	2030	78	1001.6	990.6	..	32.1	23.2	19.2	22.7	48	..	1.2	..	5.3	0	0	24	01	5	6	5	3	0	1	3	7	0
	2330	78	1002.7	994.0	..	30.3	23.0	19.6	23.1	54	..	1.1	..	5.7	0	2	21	02	6	7	3	3	0	0	2	8	0
KANPUR	0830	126	1003.3	989.3	+0.7	31.3	22.9	17.8	21.2	48	+13	1.0	+0.1	8.5	0	0	27	03	3	14	3	0	0	2	2	4	0
	1730	126	998.9	985.5	+0.8	37.6	25.1	18.6	22.0	35	+14	1.0	+0.0	8.7	0	0	29	05	1	13	0	0	0	7	3	2	0
KANPUR(AERODROME)	0530	126	1002.3	988.2	..	26.0	20.1	16.3	19.0	57	..	1.9	..	10.8	0	4	22	04	2	7	4	0	1	6	2	5	0
	0830	126	1003.9	990.1	..	31.3	22.0	16.3	19.1	44	..	1.2	..	17.0	0	11	19	05	4	3	8	1	2	2	5	1	0
	1130	126	1003.0	989.9	..	36.7	23.2	14.6	17.6	31	..	1.3	..	20.6	0	13	18	03	3	8	6	1	0	5	5	0	0
	1730	126	999.4	985.9	..	37.7	23.0	13.5	16.1	26	..	1.6	..	18.4	0	9	22	03	3	11	1	0	0	2	11	0	0
	2330	126	1002.1	988.1	..	29.8	21.5	16.6	19.6	55	..	1.0	..	40.5	1	3	20	03	0	10	3	0	0	2	6	7	0
SULTANPUR	0830	97	1004.3	993.6	+1.3	32.4	24.0	19.5	23.3	50	+ 7	2.2	+0.9	3.0	0	0	27	02	1	15	0	3	0	5	1	4	0
	1730	97	999.7	989.2	+0.9	37.6	24.4	18.7	22.2	35	+10	1.7	+0.6	2.3	0	0	24	00	1	9	0	0	1	11	2	7	0
AZAMGARH	0830	78	1004.0	995.3	+1.8	30.7	24.4	21.0	25.3	58	± 6	2.7	+2.0	3.5	0	0	28	03	3	15	0	2	0	5	0	3	0
	1730	78	999.6	991.1	+1.8	37.5	25.4	19.2	22.7	37	+ 2	1.2	+0.7	2.5	0	0	19	01	4	7	0	0	1	5	1	12	0
FATEHPUR	0830	114	..	..	..	31.6	24.0	20.0	23.9	53	+14	0.7	-0.6	4.8	0	0	26	00	1	13	2	0	1	2	7	5	0
	1730	114	..	..	..	38.2	25.3	18.3	21.7	33	+ 8	1.4	+0.1	4.8	0	0	26	01	4	10	0	0	0	2	9	5	0
BALLIA	0830	64	1004.5	997.4	+1.7	29.9	24.6	21.8	26.9	64	+19	2.7	+1.3	1.5	0	0	22	00	0	17	2	1	0	2	0	9	0
	1730	64	1001.7	994.7	+3.0	35.9	26.6	22.6	27.7	50	+24	2.8	+1.8	2.1	0	0	25	00	0	11	3	1	1	9	0	6	0
BANDA	0830	121	1007.4	994.0	+4.8	33.7	23.1	16.8	19.8	39	+ 4	1.0	+0.2	2.2	0	0	30	00	11	0	1	0	18	0	0	1	0
	1730	121	1004.0	990.9	+5.7	39.7	25.2	17.1	20.6	30	+ 5	2.0	+0.5	2.6	0	0	30	00	11	0	1	0	18	0	0	1	0
ALLAHABAD(BAMHRAULI)	0230	98	1001.2	990.3	..	28.3	21.8	18.0	21.0	56	..	1.8	..	3.4	0	1	15	01	2	6	5	0	1	0	1	15	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY 1969 VAISAKHA 11 - JYAISTHA 10, 1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gram. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																											
ALLAHABAD(BAMHRAULI)	0530	98	1001.2	990.9	..	26.6	21.2	18.0	21.0	61	..	2.2	..	1.8	0	0	15	01	2	7	2	1	0	0	1	16	1
	0830	98	1003.7	992.8	+1.2	31.8	22.8	17.4	20.5	45	+10	2.2	+0.8	4.8	0	1	26	03	2	9	5	1	1	4	2	4	0
	1130	98	1003.0	992.4	..	37.3	23.9	15.9	18.9	32	..	2.0	..	8.2	0	1	27	05	6	5	4	1	0	2	4	3	1
	1430	98	1000.5	989.9	..	39.3	24.0	14.6	17.5	26	..	2.2	..	8.5	0	1	28	06	11	3	1	0	1	1	6	2	0
	1730	98	999.2	988.7	+1.4	37.9	23.4	14.4	17.0	28	+ 9	2.2	+0.7	8.0	0	4	24	04	11	4	1	0	1	1	6	3	0
	2030	98	1000.7	990.0	..	33.3	23.3	17.6	20.5	42	..	2.1	..	3.3	0	1	16	01	1	8	0	0	3	1	2	14	1
	2330	98	1001.7	990.9	..	30.9	22.5	17.6	20.5	47	..	2.2	..	4.0	0	1	16	01	3	7	3	0	1	1	1	14	0
VARANASI(BABATPUR)	0530	85	1002.4	992.7	..	26.3	22.2	20.0	23.6	70	..	2.2	..	5.5	0	0	19	01	4	8	2	2	2	0	0	12	0
	0830	85	1004.3	994.7	+1.4	30.8	23.8	20.0	24.0	55	+18	2.4	+1.1	11.7	0	3	28	00	5	11	4	2	2	5	1	0	1
	1130	85	1003.5	994.3	..	35.5	24.1	17.7	21.0	39	..	1.9	..	12.8	0	4	27	01	5	11	2	1	1	7	2	0	1
	1730	85	999.6	990.3	+1.2	37.2	23.5	15.2	17.8	30	+ 8	1.8	+0.6	10.3	0	3	25	01	12	3	0	0	0	4	7	3	1
	2330	85	1002.3	993.0	..	29.9	22.9	19.1	22.5	55	..	1.4	..	6.6	0	1	16	00	1	12	1	1	0	2	0	14	0
VARANASI	0830	76	1003.9	995.2	+1.2	30.6	24.5	21.2	25.9	60	+16	2.8	+1.2	2.0	0	0	17	00	5	7	0	1	1	3	0	14	0
	1730	76	1000.7	992.5	+2.9	36.3	25.7	20.3	24.1	42	+18	1.8	+0.4	1.4	0	0	11	01	6	2	0	0	0	0	2	20	0
UTTAR PRADESH WEST																											
MUKHIM	0830		..	..	..	18.5	13.5	9.7	12.3	59	+15	2.1	..	1.8	0	0	17	01	5	3	0	1	0	4	3	14	0
	1730		..	..	..	18.9	13.5	9.5	12.2	58	+21	3.4	..	3.7	0	0	20	04	3	3	2	1	0	3	4	11	0
TEHRI	0830	770	1017.1	931.9	..	23.2	17.4	13.5	15.7	56	+10	2.0	+0.2	0.0	0	0	00	00	0	0	0	0	0	0	0	31	0
	1130		..	..	..	28.9	19.2	13.0	15.2	40	..	2.6	..	2.8	0	0	23	06	7	3	0	0	3	1	2	8	1
	1730		..	..	..	30.9	19.6	12.3	14.7	35	+10	4.8	+1.5	7.9	0	1	27	01	1	1	1	4	3	1	3	3	13
DEHRA DUN	0530	682	1004.2	929.0	..	21.6	17.2	14.4	16.6	66	..	2.3	..	1.2	0	0	10	06	3	1	0	0	0	0	0	21	0
	0830	682	1004.8	930.2	+1.5	24.9	19.5	16.4	18.9	60	+19	2.2	+0.4	1.0	0	0	10	06	0	0	0	0	1	2	1	21	0
	1130	682	1003.7	930.6	..	31.0	21.8	16.8	19.7	45	..	2.5	..	2.1	0	0	17	02	3	0	1	4	2	3	0	14	2
	1730	682	1000.6	927.5	+1.8	30.8	22.2	17.6	20.6	49	+23	3.6	+1.1	4.3	0	0	26	04	1	0	1	5	8	6	1	5	0
	2330	682	1004.0	929.3	..	24.0	19.0	15.9	18.3	62	..	1.8	..	1.9	0	1	9	03	4	0	0	0	0	2	1	21	0
MANSIARI	0830		(R)																								
	1730		(R)																								
ROORKEE	0830	274	1006.0	976.4	+4.3	30.0	20.7	14.7	16.8	40	+ 3	1.7	-0.1	1.2	0	0	17	00	4	0	13	0	0	0	0	14	0
	1730	274	1002.8	973.2	+4.9	36.0	22.9	15.2	17.4	30	+10	2.1	+0.1	1.7	0	0	22	00	4	0	6	0	1	0	11	9	0
NAJIBABAD	0830	270	1004.8	975.0	+2.3	29.5	20.4	14.5	16.8	41	+ 2	1.5	+0.5	10.2	0	6	18	00	2	6	10	2	0	2	2	7	0
	1730	270	1000.6	971.3	+1.6	35.7	21.5	11.9	14.5	27	+ 6	1.7	+1.0	6.4	0	1	19	00	1	4	5	0	2	3	5	11	0
MEERUT	0830	222	1005.3	980.6	+2.6	29.0	20.7	15.4	17.7	45	+ 7	0.3	-0.2	4.3	0	0	25	00	2	9	4	0	0	7	3	6	0
BAREILLY	0830	173	1004.3	985.2	+2.1	29.7	21.6	16.7	19.3	48	+ 9	1.8	+0.5	8.5	0	1	30	03	3	8	6	1	1	5	4	0	0
	1730	173	999.8	981.1	+2.2	35.9	23.2	15.4	18.0	33	+10	1.0	-0.3	6.1	0	1	29	01	1	9	4	0	1	10	4	1	0
BAREILLY P.B.O.	0230	172	1001.8	982.5	..	27.3	20.0	16.1	18.7	53	..	1.3	..	7.3	0	0	28	01	4	7	5	0	0	5	6	3	0
	0530	172	1002.5	983.1	..	25.8	19.5	16.0	18.6	58	..	2.2	..	7.4	0	2	26	01	4	10	1	0	0	7	5	3	0
	1130	172	1003.8	984.9	..	33.7	22.1	16.4	19.0	38	..	2.1	..	9.3	0	1	29	01	2	8	7	1	1	5	5	1	0
	1430	172	1001.2	982.5	..	35.9	22.2	15.0	17.6	32	..	1.5	..	10.5	0	2	29	00	3	7	7	0	4	4	6	0	0
	2030	172	1001.3	982.4	..	31.5	21.5	16.4	19.0	43	..	1.1	..	5.1	0	0	27	02	4	5	3	0	1	8	4	4	0
	2330	172	1002.1	983.0	..	29.2	20.6	15.9	18.7	48	..	0.9	..	7.4	0	0	29	01	4	7	6	0	1	5	5	2	0
ALIGARH	0830	187	1004.8	983.5	+1.8	29.9	20.9	15.1	17.5	43	+ 8	1.9	+0.9	5.1	0	0	31	00	3	12	2	2	0	11	1	0	0
	1730	187	1000.3	979.6	+1.6	37.0	22.5	12.9	15.4	27	+ 5	1.4	+0.0	4.1	0	0	26	02	2	6	0	0	2	8	6	5	0
MAINPURI	0830	157	1003.9	986.5	+1.4	30.7	22.5	17.8	20.8	49	+14	1.4	+0.0	3.6	0	0	27	00	0	15	2	0	0	10	0	4	0
	1730	157	999.4	982.5	+1.3	38.1	24.7	17.1	20.3	32	+ 9	1.4	-0.1	4.1	0	1	20	00	0	5	4	1	0	10	1	10	0
AGRA	0830	169	1004.4	985.6	+1.7	31.0	0.0	0.0	0.0	0	..	0.9	-0.2	1.9	0	0	12	00	1	0	3	0	7	0	1	19	0
	1730	169	999.8	981.6	+1.4	38.2	0.0	0.0	0.0	0	..	1.3	-0.2	3.7	0	0	18	00	3	0	1	0	4	0	10	13	0
AGRA AERODROME	0230	169	1002.3	983.4	..	26.6	19.5	14.7	17.3	51	..	1.0	..	8.4	0	3	20	09	1	6	2	0	1	0	4	7	0
	0530	169	1002.6	983.6	..	26.0	19.5	15.1	17.5	54	..	2.0	..	8.7	0	0	27	05	2	5	4	3	1	2	5	4	0
	0830	169	1004.1	985.6	..	30.9	21.3	15.1	17.5	41	..	1.0	..	12.3	0	4	25	06	2	6	6	3	0	2	4	2	0
	1130	169	1003.7	985.4	..	36.9	22.9	14.2	16.7	30	..	0.9	..	13.7	0	6	24	05	0	7	5	3	0	3	7	1	0
	1730	169	999.6	981.4	..	37.7	22.8	17.8	15.2	25	..	1.5	..	16.4	0	9	22	12	2	6	1	1	0	1	8	0	0
	2330	169	1002.3	983.6	..	29.9	20.9	15.0	18.0	43	..	0.9	..	8.8	0	1	26	10	1	9	2	1	0	0	4	4	0
ORAI	0830	141	1004.1	988.7	+1.0	35.3	23.6	16.8	19.7	36	+ 0	1.3	+0.4	3.3	0	0	28	02	10	1	4	0	2	0	9	3	0
	1730	141	999.6	984.3	+0.8	37.7	26.1	20.2	24.7	39	+12	1.4	-0.1	4.7	0	0	31	18	3	0	0	0	0	0	10	0	0
JHANSI	0830	251	1004.7	977.1	+1.7	32.1	21.4	14.7	17.0	37	+11	0.5	-0.7	1.7	0	0	14	02	0	3	0	3	0	6	0	16	0
	1730	251	998.6	971.8	+0.3	39.0	22.9	12.1	14.9	22	+ 7	1.4	-0.9	1.5	0	0	13	01	0	4	0	5	0	3	0	18	0
MORADABAD	0830		..	..	..	28.5	21.3	16.9	19.7	52	..	0.9	..	5.5	0	1	23	01	10	8	3	0	0	0	2	7	0
	1730		..	..	..	35.6	24.0	17.6	20.6	37	..	0.8	..	6.2	0	0	28	00	15	3	6	0	0	1	3	3	0
UTTAR KASHI	0830		..	..	..	20.9	15.2	10.7	13.2	54	..	1.2	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	26.3	18.2	12.4	15.1	46	..	2.3	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – MAY .1969VAISAKHA 11 - JYAISTHA 10.1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean, pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST(CONTD.)																											
ASCOT	0830		..	..	..	19.6	17.0	15.4	17.9	80	..	2.6	..	1.7	0	0	23	01	5	4	3	3	2	4	0	8	1
	1730		..	..	..	23.1	17.5	14.4	16.9	60	..	4.3	..	1.9	0	0	20	00	3	3	4	2	4	2	1	11	1
DHARCHULA	0830		..	..	..	..	..	..	..	..	..	1.6	..	0.6	0	0	4	00	3	0	1	0	0	0	0	26	0
	1730		..	..	..	..	..	..	..	..	..	3.4	..	3.3	0	1	16	00	7	0	0	0	0	5	4	14	1
HARYANA(INCLUDING DELHI AND CHANDIGARH)																											
CHANDIGARH	0830	347	1003.1	964.7	+1.4	28.3	19.6	13.5	15.7	42	+10	1.6	+0.8	3.0	0	0	21	00	7	0	0	0	0	0	14	10	0
	1730	347	1000.1	962.3	+1.6	34.9	21.0	11.0	13.7	26	+ 5	2.5	+1.7	4.5	0	0	27	00	5	0	4	0	0	0	18	4	0
AMBALA	0830	272	1003.0	973.2	+1.3	28.5	19.4	13.8	16.0	42	+ 6	1.2	-0.2	2.5	0	0	28	00	5	0	13	0	0	0	10	3	0
	1730	272	1000.9	971.5	+3.0	35.4	22.2	13.1	15.9	30	+ 9	1.6	+0.0	2.8	0	0	28	00	4	0	3	0	4	0	17	3	0
AMBALA P.B.O.	0230	278	1002.2	971.2	..	27.1	22.1	20.0	23.5	65	..	0.9	..	4.6	0	1	17	00	1	3	6	0	0	0	8	13	0
	0530	278	1002.0	971.5	..	25.2	21.0	18.7	21.8	68	..	1.5	..	4.5	0	1	16	01	2	3	8	0	0	0	3	14	0
	1130	278	1003.6	973.3	..	34.1	26.3	23.6	29.5	56	..	1.5	..	8.1	0	1	24	01	1	0	12	0	0	0	11	6	0
	1430	278	1001.7	971.6	..	36.0	26.9	23.6	29.4	50	..	2.3	..	7.5	0	1	23	02	0	0	10	0	1	2	9	7	0
	2030	278	1001.6	971.2	..	31.9	25.0	22.6	27.6	59	..	1.0	..	5.0	0	2	16	01	1	0	2	1	1	2	10	13	0
	2330	278	1002.4	971.6	..	29.4	23.5	21.2	25.4	62	..	1.0	..	5.9	0	0	21	02	2	1	6	0	0	0	10	10	0
AMBALA AERODROME	0530	274	1002.9	972.0	..	22.8	17.8	14.2	16.5	60	..	1.6	..	8.3	0	0	21	01	2	7	3	0	0	4	4	10	0
	0830	274	1004.0	973.6	..	29.0	20.6	15.1	17.5	44	..	1.8	..	13.8	0	4	24	01	1	8	4	0	0	8	6	3	0
	1130	274	1003.3	973.5	..	34.7	22.7	15.3	18.0	34	..	1.7	..	17.8	0	8	21	01	1	3	9	0	1	8	6	2	0
	1730	274	1000.1	970.4	..	34.9	22.7	15.5	18.4	34	..	2.5	..	16.9	0	7	21	00	2	2	2	1	2	11	8	3	0
	2330	274	1002.4	971.9	..	26.8	19.4	14.2	16.5	48	..	1.4	..	7.7	0	3	15	01	0	3	1	0	0	7	6	13	0
KARNAL	0830		..	..	..	29.6	20.4	14.3	16.6	41	+ 0	1.0	-0.4	3.7	0	0	26	01	2	9	2	0	0	9	3	4	0
	1730		..	..	..	35.3	21.5	11.9	14.6	28	+ 9	0.9	-0.8	4.3	0	0	28	01	1	3	1	0	2	18	2	3	0
HISSAR	0530	221	1005.9	978.0	..	24.7	20.5	19.8	22.4	79	..	1.5	..	5.3	0	1	22	05	1	3	4	4	2	2	2	8	0
	0830	221	1004.3	979.7	+1.7	29.0	23.9	20.8	25.1	62	+21	1.4	+0.7	4.8	0	1	21	02	2	4	5	1	3	2	2	9	1
	1130	221	1003.9	979.8	..	35.7	26.2	21.2	27.4	46	..	0.8	..	7.5	0	2	28	08	2	1	5	0	3	8	1	1	2
	1430	221	1002.2	978.2	..	37.2	26.9	22.0	28.7	45	..	1.5	..	9.6	0	4	24	06	2	3	1	0	4	5	4	3	3
	1730	221	1000.3	976.4	+1.8	37.1	26.6	21.7	28.0	43	+19	1.5	+0.5	6.0	0	2	26	10	3	2	3	0	0	2	8	3	0
	2330	221	1002.7	978.0	..	28.4	22.9	20.0	23.9	62	..	0.5	..	6.3	0	1	27	04	3	8	4	3	0	4	2	3	0
NEW DELHI/SAFDARJUNG	0230	216	1002.2	978.1	..	27.6	19.8	14.7	17.0	48	..	1.0	..	5.3	0	0	25	03	2	6	4	1	0	2	7	6	0
	0530	216	1002.7	978.4	..	25.7	19.4	15.3	17.6	56	..	1.6	..	3.4	0	0	19	01	2	6	2	1	0	4	3	12	0
	0830	216	1004.4	980.3	+2.0	28.9	21.1	16.2	18.8	48	+17	1.7	+0.5	8.7	0	1	30	01	4	10	1	0	0	12	3	0	0
	1130	216	1003.7	980.1	..	34.6	22.7	15.4	18.0	34	..	1.5	..	12.0	0	3	27	01	2	9	6	1	1	5	5	1	0
	1430	216	1001.3	978.2	..	36.9	23.2	14.9	17.5	29	..	1.8	..	10.6	0	3	24	02	6	4	2	1	1	6	5	4	0
	1730	216	1000.1	976.7	+2.1	36.4	22.5	13.7	16.1	28	+10	2.0	+0.2	10.9	0	4	22	05	4	2	0	2	0	1	12	5	0
	2030	216	1001.6	977.8	..	32.3	21.8	15.3	17.8	38	..	1.4	..	5.7	0	2	19	04	4	3	0	0	0	0	10	10	0
	2330	216	1002.6	978.6	..	29.5	20.7	15.2	17.6	44	..	0.7	..	5.2	0	0	25	02	2	6	2	1	0	1	11	6	0
PALAM AERODROME	0230	233	1002.1	976.2	..	27.3	19.1	13.0	15.7	45	..	1.2	..	8.1	0	1	24	02	2	4	7	4	2	2	2	6	0
	0530	233	1002.9	976.7	..	24.9	18.5	13.9	16.5	53	..	1.6	..	8.7	0	2	23	00	0	4	6	1	8	4	2	6	0
	0830	233	1004.3	978.5	..	29.3	20.6	14.7	17.6	45	..	1.4	..	11.1	0	5	23	01	1	5	8	1	1	7	4	3	0
	1130	233	1003.8	978.5	..	35.2	21.7	12.1	15.4	29	..	1.3	..	14.7	0	8	22	03	2	5	7	3	1	0	9	1	0
	1430	233	1001.6	976.5	..	37.5	22.3	11.1	14.6	25	..	2.0	..	16.1	0	10	21	06	5	3	3	1	1	1	11	0	0
	1730	233	1000.2	975.1	..	37.0	21.8	10.6	14.0	25	..	1.9	..	16.6	0	11	19	06	4	3	2	1	2	2	10	1	0
	2030	233	1001.8	976.3	..	32.5	21.0	12.8	15.8	35	..	1.1	..	8.7	0	3	23	06	5	5	4	1	0	0	5	5	0
	2330	233	1002.6	976.8	..	29.5	20.0	13.2	15.9	41	..	0.7	..	9.1	0	2	23	05	6	5	4	2	0	1	2	6	0
GURGAON	0830		..	..	..	29.6	20.3	14.3	16.5	42	..	1.6	..	5.3	0	1	20	01	1	6	4	0	0	8	1	9	0
	1730		..	..	..	36.3	21.9	12.3	14.6	26	..	1.5	..	9.3	0	4	21	01	1	1	1	1	0	16	4	6	0
NARNAUL	0830	308	1005.0	971.0	..	31.9	22.2	16.5	19.1	43	..	0.2	..	3.5	0	0	30	00	12	0	0	5	12	0	1	1	0
	1730	308	1002.0	968.8	..	35.5	23.4	16.4	19.0	35	..	0.3	..	3.9	0	0	28	00	12	0	0	6	9	0	1	3	0
ROHTAK	0830		..	..	..	28.7	22.3	18.7	21.8	56	..	1.6	..	10.8	0	2	29	02	1	9	4	1	4	7	3	0	0
	1730		..	..	..	32.8	21.5	13.3	16.9	35	..	1.4	..	9.7	0	0	31	05	0	6	3	0	2	9	6	0	0
PUNJAB																											
PATHANKOT	0530	312	1003.3	968.3	..	23.4	17.8	13.7	15.9	56	..	2.8	..	14.2	1	4	24	02	19	2	3	0	1	1	1	2	0
	0830	312	1004.4	970.0	+2.6	29.4	20.1	14.0	16.2	42	+17	2.8	+0.3	14.8	0	3	26	01	14	9	2	1	0	0	2	2	0
	1130	312	1004.3	970.4	..	33.5	21.5	13.3	15.7	33	..	2.7	..	16.5	1	5	25	01	4	0	3	10	4	5	2	0	2
	1730	312	1001.0	967.2	+1.6	34.6	21.9	13.4	15.9	32	+13	3.6	+0.4	22.2	1	11	19	01	4	3	0	3	4	8	8	0	0
	2330	312	1003.4	968.6	..	26.0	18.9	14.1	16.3	50	..	2.1	..	13.2	0	4	22	07	12	3	1	2	0	0	1	5	0
AMRITSAR	0530	234	1003.6	977.0	..	21.8	17.6	14.6	16.8	65	..	2.6	..	8.6	0	2	25	02	4	5	3	1	2	4	6	4	0
	0830	234	1004.5	978.4	+2.1	27.7	19.8	14.7	16.9	46	+ 8	2.0	+0.1	9.1	0	4	19	04	3	5	2	0	1	1	7	6	0
	1130	234	1004.7	979.0	..	33.1	21.2	13.3	15.6	32	..	2.3	..	12.6	0	7	21	03	5	2	4	3	1	3	7	3	0
	1430	234	1002.7	977.3	..	35.5	21.4	11.7	14.1	26	..	2.4	..	13.0	0	5	23	02	2	3	2	1	2	7	9	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or int. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point				Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
PUNJAB (CONTD.)																												
AMRITSAR	1730	234	1001.2	975.7	+2.2	35.0	21.0	11.3	13.7	26	+ 7	2.5	+0.8	14.0	0	10	18	01	3	2	1	1	2	7	11	3	0
	2030	234	1002.4	976.5	..	29.0	20.5	15.0	17.2	44	..	2.4	..	9.0	0	2	20	02	3	1	1	2	1	5	7	9	0
ADAMPUR AERODROME	0830	249	1004.5	976.8	..	28.5	20.8	15.7	18.5	48	..	2.2	..	18.3	0	9	22	04	5	3	7	2	3	2	5	0	0
	1730	249	1001.5	974.3	..	34.2	22.0	14.3	16.6	33	..	2.9	..	22.3	0	19	11	05	1	2	1	1	2	2	16	1	0
LUDHIANA	0830	247	1004.5	977.3	+2.3	29.5	20.2	13.9	16.1	40	+ 3	1.5	+0.2	2.4	0	0	21	00	4	0	10	0	0	0	7	10	0
	1730	247	1000.7	974.0	+2.1	35.6	21.2	11.1	13.5	25	+ 3	2.1	+0.4	5.7	0	0	26	02	4	0	2	0	1	0	17	5	0
FEROZEPUR	0830	200	1005.9	983.5	+3.9	27.5	20.6	16.4	18.7	53	+ 5	1.6	+0.5	1.5	0	0	19	07	1	0	0	3	1	3	4	12	0
	1730	200	1003.5	981.7	+4.8	33.6	22.2	13.7	15.8	31	+ 3	1.1	-0.1	2.3	0	0	24	14	1	0	0	1	1	0	7	7	0
HALWARA AERODROME	0530	242	1003.1	975.7	..	21.8	17.4	14.3	16.5	64	..	1.9	..	12.4	0	6	18	05	1	6	3	0	0	4	5	7	0
	0830	242	1004.1	977.4	..	29.3	19.8	13.3	15.6	39	..	1.6	..	19.2	0	9	22	05	2	6	6	0	0	2	10	0	0
	1130	242	1004.0	977.7	..	34.8	21.5	12.3	14.9	28	..	1.7	..	21.2	0	12	19	05	1	4	7	3	0	5	6	0	0
	1730	242	1000.6	974.5	..	35.8	21.2	10.8	13.4	25	..	2.0	..	20.5	0	12	18	07	1	2	1	0	1	1	17	1	0
	2330	242	1003.0	975.9	..	25.3	18.9	14.4	18.6	53	..	0.8	..	20.9	1	4	25	10	1	4	3	2	1	3	6	1	0
PATIALA	0830	251	1004.6	977.0	+2.5	27.3	19.7	14.9	17.2	48	+12	1.4	-0.3	7.7[b]	0	2	13	03	0	0	5	1	0	0	6	14	0
	1730	251	1000.5	973.4	+2.1	35.1	21.1	11.3	13.9	26	+ 6	1.5	-0.5	7.1	0	5	8	01	0	0	5	0	0	0	7	18	0
BHATINDA	0830	211	1004.5	981.0	..	30.3	21.5	16.1	18.8	44	- 5	0.6	-0.4	3.5	0	1	18	00	1	0	9	0	2	0	7	12	0
	1730	211	1001.5	978.6	..	36.9	23.4	15.5	18.3	29	-10	0.2	-1.0	2.7	0	0	23	04	3	0	3	0	2	1	10	8	0
HIMACHAL PRADESH																												
MANDI	0830	761	1006.6	922.9	+2.2	21.7	19.1	17.4	20.5	78	+27	2.9	+0.8	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	761	1001.5	920.2	+2.8	29.3	24.5	22.1	28.3	69	+39	4.2	+1.1	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BILASPUR	0830	587	1005.6	940.9	+2.1	25.1	19.4	16.1	18.7	58	+15	1.7	-0.3	0.9	0	0	4	00	3	1	0	0	0	0	0	27	0
	1730	587	1001.5	938.4	+2.9	32.1	22.2	16.5	19.6	41	+14	3.6	+0.8	1.9	0	1	6	00	1	1	3	0	0	0	2	24	0
JAMMU AND KASHMIR																												
MISGAR	0830		(R)																									
	1730		(R)																									
GILGIT	0830		(R)																									
	1730		(R)																									
SKARDU	0830		(R)																									
	1730		(R)																									
LEH	0830	3514	3124.3	668.4	+0.8	9.[illegible]	3.4	- 4.2	4.5	42	+ 3	3.6	+0.2	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	3514	3095.3	666.5	+2.5	14.0	5.9	- 4.4	4.7	33	+ 6	4.5	-0.2	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SRINAGAR	0230	1587	1490.6	840.5	..	12.2	10.8	9.7	12.2	85	..	3.4	..	2.6	0	0	20	00	0	0	6	0	0	0	14	11	0
	0530	1587	1490.5	840.5	..	11.4	10.3	9.4	12.0	88	..	4.1	..	2.1	0	0	18	00	0	0	11	0	0	0	7	13	0
	0830	1587	1501.9	841.8	+9.2	1[illegible].6	11.7	9.7	12.0	74	-16	3.8	+1.1	2.3[a]	0	0	23	00	1	0	12	0	0	0	10	7	0
	1430	1587	1498.3	840.6	..	20.6	14.5	10.1	12.5	52	..	4.3	..	2.9	0	0	23	00	2	0	3	0	0	0	18	8	0
	1730	1587	1476.6	839.4	-9.6	20.1	13.6	8.8	11.5	53	+53	5.1	+5.0	3.2	0	0	23	00	2	0	7	1	0	0	13	8	0
	2030	1587	1484.6	840.0	..	16.[illegible]	12.9	10.4	12.8	70	..	4.2	..	2.7	0	0	20	00	0	0	6	0	0	0	14	11	0
	2330	1587	1491.8	840.7	..	1[illegible].4	12.3	10.8	13.1	80	..	3.2	..	2.3	0	0	16	01	0	0	6	0	0	0	9	15	0
SRINAGAR AERODROME	0530	1666	1494.1	832.7	..	10.0	8.9	7.9	10.8	87	..	4.0	..	3.7	0	1	13	00	1	3	1	4	4	0	1	17	0
	0830	1666	1503.0	833.8	..	1[illegible].3	11.3	9.1	11.8	72	..	3.9	..	3.5	0	0	13	01	5	3	4	1	0	1	0	18	0
	1130	1666	1501.3	833.8	..	17.7	13.1	10.0	12.4	62	..	4.4	..	5.3	0	0	21	03	8	[illegible]	1	0	1	2	2	10	1
	1730	1666	1480.6	832.1	..	16.9	13.6	9.7	12.3	59	..	5.5	..	9.9	0	3	19	03	1	0	2	2	6	4	4	8	0
	2330	1666	1495.7	833.0	..	12.8	10.2	8.1	11.0	74	..	3.6	..	6.8	0	0	20	00	0	5	0	6	3	4	2	11	0
GULMARG	0830		(R)																									
	1730		(R)																									
QAZIGUND	0830		..	..	..	13.2	11.0	9.2	11.8	78	..	3.6	..	3.4	0	0	25	01	4	5	0	8	0	7	0	6	0
	1730		..	..	..	19.2	13.8	10.2	12.9	61	..	4.9	..	6.2	0	0	26	00	3	0	0	5	7	11	0	5	0
BANIHAL	0830		1480.1	835.3	..	15.9	12.0	8.9	11.7	65	..	3.0	..	3.5	0	3	4	07	0	0	0	0	0	0	0	24	0
	1730		1459.0	833.5	..	20.8	14.3	9.9	12.2	51	..	4.4	..	3.6	0	1	13	12	0	0	0	2	0	0	0	17	0
JAMMU	0830	366	..	..	..	27.4	0.0	0.0	0.0	0	..	.	..	2.8[b]	0	0	25	00	11	2	7	0	5	0	0	4	0
	1730	366	..	..	..	34.0	0.0	0.0	0.0	0	..	.	..	1.9	0	0	26	00	2	0	4	1	14	1	4	5	0
JAMMU AERODROME	0530	292	1003.6	970.5	..	23.0	17.5	13.5	15.7	57	..	2.6	..	5.7	0	1	18	03	10	1	0	1	0	0	4	12	0
	0830	292	1005.0	972.2	..	27.5	19.8	14.8	17.1	47	..	2.5	..	7.5	0	1	21	03	13	2	2	2	0	0	0	9	0
	1130	292	1004.6	972.2	..	3[illegible].9	21.0	13.7	15.9	33	..	2.5	..	10.6	0	3	25	02	3	2	1	10	2	3	3	3	2
	1730	292	1000.7	969.6	..	3[illegible].6	21.4	12.6	14.9	31	..	3.3	..	9.0	0	1	26	00	3	0	0	4	4	12	4	4	0
	2330	292	1003.6	970.8	..	26.5	19.2	14.3	16.4	49	..	2.0	..	5.7	0	2	12	05	[illegible]	0	1	2	0	1	1	17	0
GULMARG (RESEARCH INSTITUTE)	0830	2655	3115.4	740.2	..	[illegible].3	6.3	3.2	7.8	69	..	3.4	..	3.0[a]	0	0	30	00	0	11	1	1	0	12	5	0	0
	1130	2655	3129.8	741.0	..	1[illegible].2	8.0	4.9	9.0	70	..	3.7	..	3.2[b]	0	0	29	02	1	9	0	1	1	12	2	0	1
	1730	2655	3111.3	739.7	..	[illegible].9	7.4	3.9	8.3	67	..	5.1	..	3.6[a]	0	0	30	00	1	10	0	1	1	12	2	0	3

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY 1969 VAISAKHA 11 - JYAISTHA 10, 1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gen. of normal standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN, WEST																											
GANGANAGAR	0530	177	1002.9	982.8	..	24.0	17.6	13.0	15.2	52	..	1.0	..	1.0	0	0	8	01	1	3	1	0	0	1	1	23	0
	0830	177	1004.1	984.4	+2.1	28.4	19.5	13.2	15.6	41	+ 8	1.5	+0.8	1.6	0	0	15	01	6	2	4	0	1	0	1	16	0
	1130	177	1003.9	984.7	..	35.7	21.0	10.2	13.1	26	..	1.1	..	2.4	0	0	19	03	3	3	2	2	4	0	2	12	0
	1730	177	1000.2	981.0	+2.1	36.2	21.5	10.4	13.3	23	+ 5	1.4	+0.3	1.5	0	0	12	02	0	1	1	0	3	2	3	19	0
	2330	177	1002.5	982.8	..	28.9	19.6	13.2	15.4	41	..	0.8	..	0.8	0	0	5	01	0	2	1	0	1	0	0	25	0
ANUPGARH	0830	154	1002.8	985.7	..	30.0	22.8	19.0	22.1	54	..	0.2	..	4.3	0	0	18	04	4	0	1	0	5	1	3	2	0
	1730	154	999.0	982.5	..	39.9	26.5	19.9	24.0	35	..	0.4	..	3.9	0	0	17	03	1	0	0	0	2	0	11	3	0
CHURU	0830	291	1004.3	972.1	+1.4	30.0	21.0	14.7	17.9	44	+ 7	1.0	-0.3	8.2	0	1	29	05	0	5	2	3	4	10	1	1	0
	1730	291	1000.1	968.8	+1.5	37.7	22.7	12.0	15.6	26	+ 5	1.6	-0.7	13.7	0	5	25	15	2	1	0	2	0	5	5	1	0
BIKANER	0830	224	1004.3	979.5	+1.8	29.7	19.3	11.2	14.1	35	+ 4	0.4	-0.1	10.9	0	5	24	02	4	1	2	5	13	0	2	2	0
	1730	224	1000.4	976.4	+2.1	39.1	20.1	3.6	8.2	13	- 3	0.8	-0.3	10.6	0	2	28	03	4	0	1	0	11	4	7	1	0
BIKANER P.B.U.	0530	224	1002.8	977.9	..	26.7	20.0	15.6	18.1	52	..	0.5	..	6.4	0	2	17	02	5	1	0	0	9	1	1	12	0
	1130	224	1003.7	979.4	..	37.1	24.7	17.9	21.2	34	..	0.2	..	9.1	0	1	29	05	2	1	3	1	7	6	5	1	0
	1430	224	1001.2	977.2	..	40.3	25.4	17.1	20.5	28	..	0.8	..	9.2	0	1	29	01	4	0	1	2	8	9	5	1	0
	2030	224	1001.1	976.7	..	35.6	23.3	16.0	19.0	34	..	0.9	..	4.2	0	0	18	03	3	2	0	0	5	2	3	13	0
	2330	224	1002.3	977.7	..	32.0	21.8	15.3	18.0	39	..	0.7	..	6.5	0	0	23	03	7	2	1	0	8	1	1	8	0
NAGAUR	0830	298	1004.2	971.6	+0.8	31.6	21.3	14.5	17.1	37	+ 2	0.6	-0.3	8.9	0	0	29	04	4	3	2	4	7	2	3	2	0
	1730	298	999.4	967.6	+0.5	38.8	22.8	12.1	15.2	22	+ 2	2.4	+0.4	10.3	0	0	31	06	2	1	0	3	9	5	5	0	0
PHALODI	0830	234	1005.6	974.2	-3.6	30.8	24.5	21.3	23.2	66	+14	0.1	-0.6	16.2	1	7	23	05	1	6	3	2	5	6	3	0	0
	1730	234	1001.9	977.0	+2.3	39.9	26.2	19.6	22.0	33	+ 8	0.8	-0.6	13.9	0	5	25	04	0	2	2	3	6	9	4	0	0
JAISALMER	0830	142	1003.9	977.1	+1.0	28.6	22.3	17.7	21.6	54	- 1	0.4	-0.1	15.9	0	9	20	01	4	4	3	7	9	1	0	2	0
	1730	142	999.3	973.6	+0.7	40.5	26.3	17.5	21.7	31	+ 2	0.5	-0.6	14.6	0	7	24	03	1	0	2	6	12	3	4	0	0
JODHPUR	0230	224	1001.9	977.5	..	31.0	19.1	10.2	13.2	29	..	0.6	..	15.0	0	7	23	02	10	2	0	0	6	8	2	1	0
	0530	224	1003.0	978.0	..	28.4	19.4	12.6	15.6	40	..	0.4	..	14.2	0	4	27	02	11	3	0	0	6	8	1	0	0
	0830	224	1004.7	979.9	+0.7	30.8	21.3	14.3	17.1	38	- 5	0.4	-0.4	15.2	0	4	26	00	8	3	1	3	8	7	0	1	0
	1130	224	1004.1	979.8	..	37.8	22.1	11.4	13.9	22	..	0.3	..	16.5	0	5	26	02	2	4	1	1	5	12	4	0	0
	1430	224	1001.5	977.6	..	41.5	22.3	8.0	11.0	14	..	0.6	..	18.0	0	7	24	03	4	0	1	0	10	9	4	0	0
	1730	224	999.7	975.9	+0.6	41.0	22.6	7.6	10.6	15	- 1	1.1	-0.2	18.4	0	6	25	07	2	0	0	2	8	10	2	0	0
	2030	224	1001.5	977.2	..	37.0	20.7	8.8	11.9	19	..	1.0	..	15.6	0	7	24	07	3	1	0	0	10	8	2	0	0
	2330	[illegible]	1002.4	978.1	..	33.7	20.2	10.0	12.8	25	..	0.7	..	15.0	0	5	25	04	6	1	0	0	7	10	2	1	0
BARMER	0530	194	1002.4	980.8	..	28.5	17.1	7.2	10.3	27	..	0.3	..	6.6	0	0	22	01	0	0	0	1	6	6	8	9	0
	0830	194	1004.2	982.6	+0.4	30.3	18.1	8.0	10.9	25	-32	0.7	-0.1	5.7	0	0	27	02	3	1	0	2	8	7	4	4	0
	1130	194	1003.7	982.6	..	37.5	20.8	8.1	11.0	17	..	0.3	..	6.8	0	0	29	02	2	2	3	2	11	5	2	2	0
	1730	194	999.3	978.6	+0.1	41.0	21.2	4.8	9.1	12	-13	0.7	-0.3	6.0	0	0	30	03	2	0	0	2	11	6	6	1	0
	2330	194	1002.4	981.2	..	33.6	18.5	5.1	9.0	18	..	0.1	..	7.7	0	0	29	03	2	0	0	0	9	10	5	2	0
JAWAI BANDH	0830	295	1005.8	973.0	+1.0	30.0	21.1	15.4	17.8	42	-11	1.1	+0.1	4.5	0	0	27	00	0	0	6	8	12	1	0	4	0
	1730	295	1000.6	969.4	+1.3	39.2	21.7	8.9	11.9	17	-17	1.8	+0.2	6.1	0	0	30	02	1	0	1	1	14	7	4	1	0
JALORE	0830		..	..	..	31.3	22.0	15.9	19.2	42	..	0.4	..	8.7	0	4	27	01	5	1	5	3	9	1	6	0	0
	1730		..	..	..	40.2	23.5	12.6	15.6	21	..	0.1	..	10.4	0	2	29	00	4	0	1	1	16	0	9	0	0
RAJASTHAN, EAST																											
PILANI	0830	301	1004.4	971.0	+0.8	28.4	18.9	11.8	14.3	38	+ 7	0.9	+0.3	9.5	0	4	25	02	5	0	4	4	8	3	3	2	0
	1730	301	1000.1	967.8	+1.2	36.9	20.4	7.0	10.6	19	+ 3	1.8	+0.3	13.9	0	10	20	03	7	0	2	1	4	3	10	1	0
SIKAR	0830	433	1004.4	956.9	+0.6	28.6	20.6	15.1	18.4	47	- 2	0.4	-0.7	1.2	0	1	7	00	1	0	2	0	0	5	0	23	0
	1730	433	998.6	952.6	-0.7	37.0	22.2	11.7	14.7	26	-12	1.3	-0.9	1.2	0	0	13	00	0	0	0	0	0	7	6	18	0
ALWAR	0830	271	1003.5	973.6	+1.4	30.6	22.2	17.5	20.3	47	+ 5	0.6	-0.6	1.0	0	0	12	03	1	0	1	2	0	2	3	19	0
	1730	271	999.3	970.1	+1.0	36.7	24.1	16.7	20.1	34	+ 1	2.3	-0.2	3.3	0	0	30	06	2	0	1	1	3	2	15	1	0
JAIPUR (SANGANER)	0230	390	1001.8	959.0	..	28.6	18.2	9.8	12.6	34	..	1.2	..	6.0	0	1	20	02	5	4	0	0	1	4	5	10	0
	0530	390	1002.5	959.3	..	26.4	17.7	10.8	13.3	40	..	1.2	..	6.6	0	2	23	01	5	3	0	0	2	6	8	6	0
	0830	390	1003.7	961.2	+0.5	31.6	19.9	11.3	13.9	30	- 3	0.6	-0.1	11.3	0	7	20	03	4	4	1	1	4	6	4	4	0
	1130	390	1002.8	961.0	..	36.7	20.8	8.6	11.8	20	..	0.5	..	14.1	0	10	21	01	3	2	1	3	5	12	4	0	0
	1430	390	1000.2	958.8	..	39.4	20.8	5.7	9.6	14	..	2.0	..	15.5	0	11	20	01	1	0	2	3	6	10	8	0	0
	1730	390	998.8	957.3	+0.1	37.8	20.4	5.9	10.0	17	- 2	2.2	+0.5	17.1	0	9	21	01	2	2	1	0	4	11	9	1	0
	2030	390	1000.9	958.7	..	32.9	19.5	9.0	12.0	25	..	1.6	..	9.0	0	5	18	04	6	1	1	0	0	4	7	8	0
	2330	390	1002.3	959.7	..	30.5	19.0	9.9	12.7	30	..	1.7	..	8.8	0	3	22	05	7	1	0	0	2	6	4	6	0
DHOLPUR	0830	176	1003.7	984.2	+1.5	31.3	21.7	15.8	18.3	42	+ 7	0.7	-0.6	3.4	0	0	20	01	0	6	1	5	0	5	2	11	0
	1730	176	998.8	979.9	+1.0	38.1	24.7	17.4	20.2	32	+ 8	1.3	-1.1	5.4	0	0	25	02	2	2	0	2	0	15	2	6	0
AJMER	0830	486	1002.5	949.9	-1.4	30.9	21.1	15.4	18.2	40	+ 1	0.3	-0.6	12.6	0	5	12	03	0	0	1	1	6	5	1	3	0
	1730	486	997.2	946.2	-1.1	39.3	22.0	11.5	14.0	20	+ 0	0.5	-1.0	15.8	0	5	16	04	0	0	0	0	2	13	2	0	0
TONK	0830	272	1003.3	973.6	+1.1	32.8	21.1	13.2	15.7	32	-10	0.3	-0.8	7.8	0	0	31	01	2	3	1	1	2	11	10	0	0
	1730	272	997.7	968.9	+0.5	40.2	22.0	8.6	11.6	16	- 8	1.5	-0.8	8.2	0	0	31	02	1	1	0	1	2	17	7	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN, EAST (CONTD.)																											
BHILWARA	0830	425	1004.6	959.8	..	32.2	22.3	13.9	17.9	50	..	0.7	..	13.1	1	1	27	04	1	1	1	0	9	4	9	2	0
	1730	425	999.3	954.5	..	39.3	23.2	12.5	15.9	22	..	1.9	..	8.4	0	1	26	03	0	0	0	0	7	4	13	3	0
KOTA	0830	257	1003.8	975.8	+0.6	33.6	21.3	12.9	15.5	31	+ 3	1.5	+0.7	10.1	0	6	16	00	1	2	2	0	0	5	12	9	0
	1730	257	998.8	971.6	+0.3	40.2	22.1	8.7	11.9	16	+ 0	1.6	-0.4	8.6	0	3	20	02	1	0	0	0	3	1	16	8	0
KOTA AERODROME	0530	274	1002.5	972.3	..	30.0	17.9	6.9	11.0	27	..	0.7	..	10.3	0	5	25	05	1	0	1	0	6	15	2	1	0
	0830	274	1004.1	974.2	..	33.3	19.5	7.9	11.6	24	..	0.8	..	16.2	0	10	21	05	2	4	2	1	2	12	3	0	0
	1130	274	1003.3	973.9	..	38.2	20.3	5.0	9.4	15	..	0.8	..	18.7	0	14	16	05	1	2	1	0	4	12	5	1	0
	1730	274	998.8	969.7	..	40.8	19.8	- 1.0	6.0	8	..	1.0	..	18.4	0	11	20	10	1	1	1	0	0	6	12	0	0
	2330	274	1002.2	973.0	..	34.0	18.6	4.0	8.8	18	..	0.5	..	11.6	0	7	22	04	2	3	1	1	3	13	2	2	0
CHAMBAL (RAWAT BHATTA DAM)	0830	351	1004.2	965.9	+0.4	32.2	22.0	15.7	18.2	38	- 2	0.5	-0.8	11.2	0	8	14	00	3	0	0	2	3	1	13	9	0
	1730	351	999.0	961.7	+0.1	39.8	23.6	13.5	16.1	22	- 6	1.5	-1.5	17.1	0	11	20	03	1	0	0	1	6	3	17	0	0
UDAIPUR	0230	582	1003.6	940.2	..	28.7	18.4	11.4	13.9	35	..	0.3	..	3.7	0	0	18	03	2	0	0	0	3	8	2	13	0
	0530	582	1003.9	940.4	..	27.2	18.2	12.1	14.5	40	..	0.7	..	2.8	0	0	14	02	0	1	0	0	1	8	2	17	0
	0830	582	1004.8	942.1	+0.7	31.3	19.7	12.3	14.6	32	- 6	0.3	-0.4	2.8	0	0	17	01	2	0	1	1	6	0	6	14	0
	1130	582	1003.6	941.9	..	36.3	20.5	10.1	12.7	21	..	0.6	..	6.1	0	0	30	01	1	5	1	4	8	5	5	1	0
	1730	582	999.9	938.8	+0.5	37.8	20.7	9.3	12.1	19	- 6	0.8	-1.1	6.4	0	0	29	02	0	0	0	0	11	10	6	2	0
	2330	582	1003.8	940.9	..	30.3	18.7	10.7	13.4	31	..	0.0	..	3.1	0	0	14	04	0	0	0	0	4	5	1	17	0
JHALAWAR	0830	321	1004.4	969.4	+0.9	33.3	20.0	9.2	12.6	25	-13	0.3	-0.5	7.5	0	2	25	01	3	0	1	1	6	10	5	4	0
	1730	321	998.9	965.0	+0.7	40.8	20.6	2.1	8.7	10	-10	1.5	-0.5	11.5	0	3	28	05	2	0	0	0	4	9	11	0	0
BANSWARA	0830	220	1005.5	981.2	..	31.5	25.9	23.0	28.4	62	..	0.0	..	2.5	0	0	29	00	1	1	2	0	22	2	1	1	0
	1730	220	999.8	976.4	..	40.6	26.2	18.8	22.0	29	..	0.0	..	2.7	0	0	31	00	0	1	0	0	7	16	7	0	0
DUNGARPUR	0830		..	..	..	31.1	23.5	18.8	23.2	51	..	0.6	..	2.4	0	0	24	04	0	1	0	1	9	7	2	7	0
	1730		..	..	..	39.3	22.2	10.1	13.2	22	..	0.8	..	3.0	0	0	26	01	3	2	0	1	6	7	6	5	0
BUNDI	0830		(R)																								
	1730		(R)																								
SAWAI MADHOPUR	0830		(R)																								
	1730		(R)																								
MADHYA PRADESH, WEST																											
GWALIOR	0230	207	1001.8	978.8	..	21.9	19.2	12.6	15.3	42	..	1.1	..	5.1	0	2	19	06	1	1	2	5	3	0	3	10	0
	0530	207	1002.4	979.3	..	26.9	18.6	12.2	14.9	44	..	2.2	..	4.5	0	0	22	02	0	4	3	5	1	3	4	9	0
	0830	207	1003.8	981.1	+1.5	32.6	20.6	11.8	14.4	31	+ 7	1.6	+0.4	8.4	0	0	30	05	3	1	2	9	2	2	6	1	0
	1130	207	1003.2	980.9	..	37.8	21.7	10.1	13.1	21	..	1.5	..	10.8	0	2	29	08	2	1	1	6	0	4	9	0	0
	1430	207	1000.6	978.4	..	40.0	21.9	8.3	11.5	16	..	2.1	..	11.0	0	3	28	12	0	2	2	1	2	3	9	0	0
	1730	207	999.0	976.8	+0.7	38.7	21.6	8.5	12.0	19	+ 6	2.2	+0.0	9.2	0	0	31	06	3	3	1	2	1	0	15	0	0
	2030	207	1001.0	978.4	..	33.4	20.9	12.0	14.6	30	..	1.2	..	5.1	0	0	25	09	6	2	2	3	0	1	2	6	0
	2330	207	1002.3	979.4	..	30.0	19.8	12.5	15.0	37	..	0.7	..	4.4	0	0	17	02	4	2	2	2	1	2	2	14	0
SHEOPUR	0830	235	1003.9	978.1	+1.1	32.2	19.8	10.5	13.2	28	+ 0	1.8	+0.6	9.0	0	3	25	03	2	2	4	6	4	5	2	3	0
	1730	235	998.3	973.3	+0.6	40.7	24.2	13.7	17.2	22	+ 7	1.7	-0.7	8.7	0	1	30	02	2	0	0	0	1	6	20	0	0
SHIVPURI	0830	464	1003.6	953.4	..	32.0	18.5	8.6	11.3	25	..	1.1	..	5.2	0	0	28	01	2	7	2	2	2	9	3	3	0
	1730	464	999.0	949.7	..	37.7	19.9	6.7	10.4	16	..	2.4	..	10.4	0	2	29	09	3	2	0	1	4	3	9	0	0
NOWGONG	0830	229	1003.9	978.8	+1.0	32.3	22.3	15.9	18.9	40	+ 7	1.1	-0.4	5.0	0	0	29	04	1	4	3	6	4	4	3	2	0
	1730	229	999.0	974.6	+1.0	39.9	23.9	13.7	16.8	23	+ 1	1.4	-1.0	7.9	0	0	31	07	4	3	1	1	1	4	10	0	0
GUNA	0530	478	1003.1	950.5	..	26.4	17.0	9.9	12.7	38	..	1.1	..	3.9	0	0	28	04	1	6	5	6	1	4	1	3	0
	0830	478	1003.7	952.0	+0.3	32.7	19.8	10.9	13.8	29	+ 0	1.8	+0.7	8.0	0	1	29	07	0	4	1	6	0	12	0	1	0
	1130	478	1002.5	951.8	..	38.4	20.8	9.0	11.9	18	..	2.1	..	10.8	0	4	27	08	0	2	1	1	2	11	6	0	0
	1430	478	999.7	949.5	..	40.3	20.7	6.9	10.2	14	..	2.8	..	11.2	0	4	27	07	0	1	0	3	2	10	6	0	2
	1730	478	998.6	948.2	+0.3	39.0	20.2	6.3	10.1	15	- 3	2.9	+0.6	11.3	0	3	28	08	0	1	1	0	2	5	13	0	1
	2330	478	1002.7	950.6	..	29.4	18.0	9.6	12.5	31	..	0.6	..	5.0	0	1	20	04	0	4	3	3	1	5	1	10	0
NIMACH	0830	496	1005.0	951.2	+0.5	30.9	19.2	10.6	14.2	33	-13	1.3	+0.2	13.0	0	5	26	02	8	0	0	0	6	10	5	0	0
	1730	496	999.6	947.4	+0.2	38.9	19.1	2.7	7.7	11	-12	2.3	+0.1	12.8	0	3	28	02	6	1	0	0	4	12	6	0	0
RAJGARH	0830	382	1004.2	962.6	+0.6	32.3	22.1	15.1	18.7	39	+ 8	0.3	-1.0	9.3	0	0	31	10	0	4	0	3	0	11	3	0	0
	1730	382	998.9	958.7	+0.9	40.1	24.0	13.2	16.6	23	+ 6	0.0	-2.9	11.7	0	1	29	14	0	1	0	0	0	9	6	1	0
SAGAR	0830	551	1003.2	943.3	-0.3	29.2	20.2	14.7	16.6	42	+13	0.6	-1.2	7.0	0	0	31	00	5	5	0	0	8	10	3	0	0
	1730	551	998.2	940.1	+0.4	37.0	24.1	17.5	20.8	35	+17	1.1	-1.8	9.0	0	0	31	00	10	12	0	0	4	5	0	0	0
RATLAM	0830	486	1005.2	952.3	+0.3	31.0	22.9	18.7	22.3	50	- 7	1.5	-0.5	13.3	0	9	19	01	2	0	0	0	8	14	3	3	0
	1730	486	999.5	948.1	-0.2	34.1	24.2	15.8	18.8	27	+ 2	1.8	-0.6	16.8	0	11	20	01	0	0	0	0	5	19	6	0	0
BHOPAL(BAIRAGARH)	0230	523	1001.9	945.1	..	28.8	16.2	5.4	9.3	24	..	1.9	..	9.5	0	3	23	07	2	1	1	1	2	7	5	5	0
	0530	523	1003.0	945.8	..	27.5	16.6	7.7	11.0	31	..	2.7	..	8.5	0	2	20	04	2	0	1	2	1	7	5	9	0
	0830	523	1003.9	947.3	-0.4	32.4	18.8	8.4	11.9	26	- 6	2.4	+1.2	16.8	0	13	16	04	2	3	2	1	0	7	10	2	0
	1130	523	1002.5	947.2	..	37.7	19.6	5.7	9.7	15	..	2.8	..	16.5	0	8	23	08	2	2	2	0	1	[illegible]	10	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.) 62 or more	Wind Speed (Km. p. h.) 20 to 61	Wind Speed (Km. p. h.) 1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, WEST (CONTD)																											
BHOPAL (BAIRAGARH)	1430	523	999.5	944.7	..	39.9	19.5	2.6	7.6	11	..	4.2	..	15.9	0	10	21	07	2	1	1	0	1	4	15	0	0
	1730	523	998.3	943.5	+0.0	39.2	18.9	1.7	7.1	11	- 5	3.3	+0.8	16.3	0	9	22	10	1	0	0	0	2	7	11	0	0
	2030	523	1000.8	945.2	..	33.9	17.6	3.7	8.3	16	..	2.6	..	8.6	0	2	23	11	0	2	0	0	1	7	4	6	0
	2330	523	1002.3	945.9	..	31.4	16.7	4.0	8.5	19	..	1.6	..	9.4	0	2	26	07	5	0	0	1	1	8	6	3	0
UJJAIN	0830	489	1005.0	951.7	..	30.0	21.5	16.7	20.0	47	..	1.8	..	11.2	0	5	24	01	2	3	0	2	0	12	9	2	0
	1730	489	999.1	947.6	..	39.0	22.1	11.4	14.4	20	..	2.8	..	15.2	0	10	21	02	2	0	0	0	0	14	13	0	0
NARSINGHPUR	0830	356	1003.5	964.8	..	32.5	22.8	17.1	20.2	42	..	2.1	..	3.7	0	0	29	00	8	2	2	0	7	8	1	2	1
	1730	356	997.9	960.3	..	40.1	25.0	16.2	19.9	27	..	3.9	..	3.8	0	0	31	00	16	0	1	0	5	2	7	0	0
HOSHANGABAD	0830	302	1004.5	971.5	+0.3	32.7	19.9	9.8	12.8	27	- 3	1.8	-0.2	3.0	0	0	31	01	0	0	9	0	10	1	10	0	0
	1730	302	999.0	966.9	+0.7	40.5	21.1	5.3	9.3	12	- 5	3.6	+0.3	4.1	0	1	30	00	1	0	6	0	19	0	5	0	0
INDORE	0530	567	1003.9	941.6	..	25.7	18.2	12.9	16.2	47	..	1.4	..	15.7	0	10	17	02	2	0	0	1	6	13	3	4	0
	0830	567	1004.6	943.4	+0.0	30.6	21.7	16.5	19.9	45	+ 1	1.4	+0.1	19.1	0	13	18	02	2	2	0	2	2	14	7	0	0
	1130	567	1003.0	943.0	..	36.5	22.7	14.4	18.0	30	..	1.2	..	19.7	0	15	16	08	4	1	0	0	2	11	5	0	0
	1730	567	998.7	939.3	-0.2	38.7	22.8	12.9	16.6	24	+ 6	2.5	+0.2	21.0	0	19	12	06	1	0	0	0	3	11	10	0	0
	2330	567	1003.1	941.9	..	30.3	19.0	11.0	14.2	32	..	0.6	..	13.7	0	2	25	01	1	1	0	0	9	12	3	4	0
RAJPUR (JHABUA)	0830	293	1007.0	974.6	+0.7	29.7	21.9	16.0	20.1	48	-11	3.2	+0.9	11.0	0	6	21	01	1	0	0	0	14	11	0	4	0
	1730	293	1001.0	969.8	+0.5	39.5	21.2	6.1	10.3	14	-12	1.6	-0.3	9.4	0	2	27	01	0	0	0	0	4	23	1	2	0
CHHINDWARA	0830	685	1003.2	930.1	+0.1	31.8	20.7	13.5	16.3	36	+ 3	1.4	-0.9	6.1	0	0	30	00	2	10	4	2	6	4	2	1	0
	1730	685	997.1	926.2	+0.1	37.1	22.2	13.4	15.8	27	+ 5	3.0	-0.6	3.9	0	0	30	01	0	8	6	6	1	8	0	1	0
SEONI	0830	619	1003.4	937.1	+0.4	31.5	21.4	15.4	18.2	41	+10	1.7	-0.7	9.4	0	1	29	08	4	1	2	8	5	0	2	1	0
	1730	619	998.1	933.1	+0.2	36.6	22.2	13.7	16.3	29	+ 5	4.0	+0.1	13.8	0	6	25	11	4	1	0	6	1	3	5	0	0
BETUL	0830	653	1004.0	934.0	+0.0	31.4	19.1	10.2	13.4	30	- 9	2.8	+0.3	6.7	0	0	31	05	2	0	4	0	2	8	10	0	0
	1730	653	998.0	929.8	-0.4	37.6	19.5	6.3	9.5	16	- 5	3.8	+0.6	7.6	0	0	31	09	4	2	1	0	1	8	6	0	0
KHANDWA	0830	318	1004.5	969.7	-0.3	31.7	22.3	16.4	19.6	42	+ 1	1.2	-0.4	11.4	0	7	23	03	2	1	1	0	4	14	5	1	0
	1730	318	998.7	965.1	-0.1	41.1	23.3	11.2	14.2	18	+ 0	1.7	-1.1	8.1	0	4	25	05	2	0	0	0	5	5	12	2	0
TIKAMGARH	0830	346	1004.1	966.3	..	31.6	23.5	19.1	22.6	49	..	0.8	..	8.9	0	2	29	04	1	1	4	5	4	7	5	0	0
	1730	346	999.0	962.3	..	38.8	26.3	20.3	24.1	35	..	2.5	..	10.5	0	2	29	11	1	0	2	3	5	4	5	0	0
	0830		(R)																								
	1730		(R)																								
MADHYA PRADESH, EAST																											
SATNA	0530	317	1002.1	966.9	..	26.7	19.1	13.5	16.1	47	..	1.5	..	3.4	0	0	17	01	3	6	2	1	3	1	0	14	0
	0830	317	1003.2	968.7	+1.1	33.2	21.5	13.5	16.2	33	+ 3	1.0	-0.5	4.0	0	0	28	00	2	8	2	6	2	5	3	3	0
	1130	317	1001.8	967.9	..	38.4	22.1	10.6	13.3	21	..	1.5	..	8.5	0	1	29	02	3	4	5	1	4	0	11	1	0
	1430	317	999.2	965.5	..	39.8	22.4	10.0	13.0	19	..	2.8	..	11.4	0	3	26	05	1	3	2	2	1	1	14	2	0
	1730	317	998.5	964.6	+0.7	38.0	21.8	9.7	13.0	21	+ 0	2.6	+0.2	8.8	0	4	27	09	1	5	1	2	0	3	10	0	0
	2330	317	1001.7	967.0	..	31.0	20.5	13.1	15.7	35	..	1.1	..	4.8	0	0	20	00	8	6	5	1	0	0	0	11	0
REWA	0830	299	1002.9	970.3	..	32.5	26.1	23.2	29.0	60	..	1.3	..	4.2	0	0	29	02	5	3	2	3	6	4	4	2	0
	1730	299	998.4	966.5	..	38.1	28.0	22.3	27.7	42	..	3.5	..	4.7	0	0	31	10	4	2	1	2	0	2	10	0	0
SIDHI	0830	272	1003.0	973.6	+1.4	35.6	24.5	19.1	23.5	55	+22	0.8	-0.5	0.3	0	0	3	01	0	1	0	1	0	0	0	28	0
	1730	272	998.4	969.3	+1.3	36.8	24.0	16.2	19.2	36	+17	1.4	-0.6	1.5	0	0	17	08	3	3	1	1	0	0	1	14	0
UMARIA	0830	459	1003.5	953.7	+0.7	32.2	22.1	16.4	19.4	42	+14	3.3	+1.3	4.0	0	0	22	01	1	3	6	3	3	1	1	9	3
	1730	459	998.2	949.6	+0.7	37.0	22.4	13.2	16.1	28	+ 9	4.2	+1.0	4.9	0	1	29	08	3	4	2	1	3	2	7	1	0
JABALPUR	0530	393	1002.6	959.4	..	27.4	20.1	15.1	17.8	49	..	2.9	..	1.6	0	0	11	01	1	1	2	3	2	0	1	20	0
	0830	393	1003.6	961.1	+0.5	33.1	22.8	16.8	19.6	39	+12	2.1	+0.4	3.6	0	0	23	02	2	2	2	7	2	3	2	8	1
	1130	393	1002.0	960.4	..	38.8	23.8	14.8	17.5	26	..	1.9	..	5.4	0	0	29	09	4	1	1	1	5	4	4	2	0
	1430	393	999.0	957.7	..	40.7	23.8	13.1	16.0	21	..	3.5	..	6.3	0	1	26	06	3	1	1	0	3	6	7	4	0
	1730	393	998.1	956.6	+0.4	39.0	23.5	13.7	16.6	24	+ 7	3.7	+0.6	5.6	0	0	27	08	5	2	2	0	1	4	5	4	0
	2030	393	1000.8	958.5	..	33.9	22.1	14.5	17.1	32	..	2.0	..	2.8	0	0	14	02	0	3	3	1	2	2	1	17	0
	2330	393	1002.0	959.3	..	31.2	21.7	15.6	18.3	40	..	1.4	..	2.6	0	0	15	02	7	0	3	1	0	2	0	16	0
AMBIKAPUR	0830	611	1004.3	938.3	+1.0	29.9	22.6	18.9	22.1	53	+17	1.8	+0.6	4.3	0	1	17	01	0	3	4	6	3	1	0	13	0
	1730	611	998.8	934.2	+0.8	34.2	21.8	14.5	17.0	34	+13	3.2	+0.7	9.7	0	2	29	11	3	6	1	2	0	8	0	0	0
JASHPURNAGAR	0830	779	1004.5	920.7	..	27.5	22.0	19.4	22.6	62	..	1.6	..	2.1	0	0	23	01	1	0	1	2	15	0	3	8	0
	1730	779	999.6	917.0	..	30.3	21.7	16.9	19.7	49	..	3.1	..	1.7	0	0	18	03	5	0	2	0	5	1	2	13	0
PENDRA	0530	625	1003.3	935.0	..	25.1	19.6	16.0	18.8	60	..	2.5	..	6.2	0	2	20	02	0	0	0	14	4	1	1	9	0
	0830	625	1004.0	936.6	+0.7	29.7	21.5	16.7	19.6	49	+18	1.5	-0.7	11.8	0	8	22	05	2	1	1	18	2	0	1	1	0
	1130	625	1002.3	936.1	..	34.7	21.8	13.8	17.9	32	..	2.0	..	11.0	0	5	23	06	1	0	3	10	2	3	2	3	1
	1430	625	999.2	933.5	..	36.1	21.5	12.0	15.0	27	..	3.1	..	11.8	0	6	23	08	4	1	2	6	2	1	5	2	0
	1730	625	998.7	932.6	+0.7	34.0	20.8	11.9	15.0	32	+ 8	2.9	-1.0	9.3	0	2	27	13	0	0	4	6	3	2	1	2	0
	2330	625	1002.9	935.3	..	28.0	19.7	14.2	17.0	47	..	2.2	..	3.3	0	1	11	01	0	0	0	6	1	2	2	19	0
MANDLA	0830	443	1003.7	955.7	+0.4	31.2	21.4	15.0	17.7	40	+ 5	1.8	-0.7	4.1	0	0	16	02	2	0	2	8	1	0	1	15	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST (CONTD.)																											
MANDLA	1730	443	998.1	951.2	+0.6	[illegible]	21.2	7.9	12.0	22	+ 1	3.5	+0.3	8.9	0	1	29	09	0	0	2	7	0	2	9	1	1
CHAMPA	0830	245	1004.6	977.6	+1.1	[illegible]	24.5	21.3	25.5	57	+21	2.8	+0.1	4.8	0	0	29	00	2	14	8	2	1	0	2	2	0
	1730	245	998.6	972.4	+0.9	38.8	24.4	15.9	18.9	29	+11	3.4	-0.6	4.3	0	0	27	03	5	6	3	2	0	4	4	4	0
RAIGARH	0830	220	1004.9	980.6	+1.6	[illegible]	24.6	21.6	26.0	58	+17	3.0	+0.1	4.1	0	0	31	00	13	3	10	1	4	0	0	0	0
	1730	220	999.3	975.6	+1.5	37.1	24.7	17.9	21.1	35	+15	3.5	+0.5	3.7	0	0	31	01	7	0	14	0	7	1	1	0	0
RAIPUR	0530	298	1002.6	969.7	..	28.1	23.1	20.4	24.3	65	..	3.7	..	3.6	0	0	23	03	1	6	6	3	3	0	1	8	0
	0830	298	1004.3	971.7	+0.9	32.1	24.9	21.2	25.6	55	+20	2.6	+0.3	4.8	0	0	27	01	2	4	3	5	6	4	2	4	0
	1130	298	1002.9	970.8	..	37.4	25.7	19.7	23.4	38	..	2.5	..	5.7	0	0	31	03	4	1	0	6	4	6	7	0	0
	1430	298	999.4	967.8	..	39.9	25.2	17.0	20.0	29	..	3.4	..	5.5	0	0	29	10	6	2	1	1	1	3	5	2	0
	1730	298	998.5	966.7	+0.5	[illegible]	24.2	16.3	19.2	31	+ 9	4.5	+1.1	5.2	0	0	30	05	7	2	3	4	2	5	2	1	0
	2030	298	1001.1	968.8	..	34.1	23.5	17.3	20.4	40	..	3.4	..	4.1	0	0	18	01	1	5	3	2	1	1	4	13	0
	2330	298	1002.1	969.5	..	31.6	23.2	18.3	21.6	48	..	2.8	..	5.2	0	0	26	01	3	6	6	5	1	1	3	5	0
KANKER	0830	402	1004.2	960.6	+0.4	31.6	26.5	24.4	30.7	68	+25	2.2	-1.1	4.9	0	0	26	02	1	1	2	2	15	3	0	5	0
	1730	402	998.9	956.2	+0.3	36.4	28.4	25.1	32.4	54	+25	4.7	+0.5	6.2	0	0	29	02	4	0	2	2	12	4	3	2	0
JAGDALPUR	0530	553	1003.5	942.8	..	24.7	21.8	20.4	24.0	77	..	4.1	..	1.0	0	0	6	00	2	1	0	2	1	0	0	25	0
	0830	553	1004.7	944.8	+0.3	28.8	23.1	20.4	24.2	62	+ 9	3.5	+0.4	5.0	0	0	27	00	3	2	3	5	8	4	2	4	0
	1130	553	1003.1	944.1	..	33.4	23.6	18.8	21.9	44	..	3.9	..	7.2	0	0	29	00	4	1	1	5	8	6	4	2	0
	1430	553	999.8	941.4	..	35.3	23.4	17.2	20.1	37	..	5.6	..	7.9	0	0	31	00	3	5	2	3	7	6	5	0	0
	1730	553	999.8	940.9	+0.4	32.7	22.9	17.6	20.7	45	+ 8	6.5	+1.6	6.2	0	0	27	01	3	3	2	3	5	5	5	4	0
	2030	553	1002.8	942.8	..	28.5	22.5	19.5	22.9	60	..	4.4	..	3.8	0	0	17	00	1	3	2	4	5	1	1	14	0
	2330	553	1003.8	943.5	..	26.6	22.0	19.7	23.2	67	..	3.4	..	4.6	0	0	19	00	1	4	6	4	2	2	0	12	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																											
DESA	0830	136	1006.0	990.7	+0.7	28.9	22.4	18.3	21.8	56	- 5	2.0	+0.1	6.9	0	0	29	02	3	0	7	1	11	0	5	2	0
	1730	136	1001.0	986.6	+1.1	39.6	22.4	10.6	13.0	20	- 3	1.2	-0.3	9.2	0	1	28	00	4	0	0	0	5	0	15	2	5
RADHANPUR	0830	30	1006.3	1003.0	+0.6	[illegible]	25.0	22.7	27.6	69	+ 2	0.0	-1.5	2.8	0	0	31	00	5	0	0	0	19	0	7	0	0
	1730	30	1001.3	998.1	-0.2	41.5	25.0	15.3	17.4	24	- 4	0.0	-1.1	2.8	0	0	30	00	2	0	0	0	18	0	10	1	0
KOAR	1730	219	1001.0	977.5	-0.8	[illegible]	21.0	14.7	17.1	12	-16	0.2	-0.9	10.5	0	1	29	01	0	1	1	0	8	8	11	1	0
	0830	219	1006.2	982.0	+0.3	[illegible]	21.5	14.4	18.3	44	-14	0.5	-1.0	8.1	0	1	28	01	2	2	0	0	10	11	3	2	0
AHMADABAD	0230	55	1004.1	997.8	..	29.9	22.7	17.9	21.7	52	..	0.2	..	11.6	0	1	29	02	0	0	0	0	4	19	5	1	0
	0530	55	1004.6	998.3	..	27.7	22.5	19.0	22.9	63	..	0.4	..	10.1	0	0	28	02	0	0	1	0	3	13	9	3	0
	0830	55	1006.5	1000.3	-0.2	30.3	23.5	19.0	22.7	56	-12	0.8	-1.0	14.4	0	5	26	03	1	1	0	0	4	11	11	0	0
	1130	55	1006.1	1000.0	..	36.9	24.3	17.1	20.0	33	..	0.2	..	16.5	0	7	24	02	2	2	1	0	2	12	10	0	0
	1430	55	1003.2	997.2	..	[illegible]	24.3	13.8	16.7	22	..	0.5	..	16.5[a]	0	7	23	02	0	2	0	1	4	14	7	0	0
	1730	55	1001.3	995.3	-0.1	[illegible]	23.6	11.6	14.5	18	- 3	0.6	-0.7	16.2	0	8	23	04	3	1	0	0	1	17	5	0	0
	2030	55	1002.8	996.7	..	36.1	23.4	14.9	18.1	32	..	0.2	..	12.7	0	5	21	00	0	0	0	3	8	10	5	5	0
	2330	55	1004.4	998.2	..	32.6	22.7	16.3	19.5	41	..	0.0	..	10.4	0	1	27	01	0	0	0	3	8	13	3	3	0
DOHAD	0830	333	1005.9	969.2	-0.3	[illegible]	22.2	17.4	20.5	51	- 7	0.8	-0.9	20.2	0	19	12	00	2	1	1	2	4	17	4	0	0
	1730	333	1000.3	965.0	-0.3	[illegible]	22.5	10.9	13.6	19	- 1	0.5	-0.2	19.6[a]	0	16	14	03	2	0	0	0	5	15	5	0	0
VALLABH VIDYANAGAR	0830	44	1006.9	1001.9	..	[illegible]	23.7	20.8	25.2	64	..	1.1	..	7.1	0	0	30	02	0	1	2	1	11	8	5	1	0
	1730	44	1001.9	997.2	..	[illegible]	26.1	18.3	21.6	28	..	0.9	..	8.8	0	2	27	02	0	0	0	2	10	5	10	2	0
BARODA AERODROME	0830	38	1007.0	1002.7	+0.5	[illegible]	25.7	23.2	28.9	67	+ 8	0.9	-1.0	16.3	0	11	20	02	1	0	1	1	8	11	7	0	0
	1130	38	1006.3	1002.1	..	36.4	27.3	23.0	28.8	48	..	0.2	..	16.8	0	12	19	03	2	2	1	0	5	11	7	0	0
	1730	38	1001.6	997.5	+0.2	40.4	27.9	21.5	27.3	37	+12	0.4	-0.9	17.7	0	14	17	05	1	0	0	0	8	9	8	0	0
BARODA	0530	34	1004.8	1000.9	..	[illegible]	22.3	18.5	22.4	60	..	0.4	..	4.3	0	0	22	01	0	0	0	0	17	1	3	9	0
	0830	34	1007.0	1003.1	-0.1	[illegible]	23.1	18.5	22.5	52	-12	0.7	-1.0	5.2	0	1	28	01	0	2	1	0	14	7	4	2	0
	1130	34	1006.5	1002.7	..	[illegible]	23.6	15.2	18.2	30	..	0.3	..	5.7	0	0	30	01	2	1	2	0	11	6	7	1	0
	1730	34	1001.7	997.9	-0.3	41.3	23.6	11.8	14.9	19	-10	0.4	-0.5	5.6	0	0	29	05	2	0	0	0	10	7	5	2	0
	2330	34	1004.8	1000.9	..	[illegible]	23.8	19.3	23.2	53	..	0.3	..	7.1	0	0	28	01	1	0	0	0	19	0	7	3	0
BROACH	0830	17	..	..	..	[illegible]	27.9	26.8	35.2	83	+12	1.0	-0.9	13.7[a]	0	8	23	02	1	0	2	3	11	9	3	0	0
	1730	17	..	..	..	[illegible]	29.4	25.9	33.0	48	+11	0.4	-0.4	25.5	0	21	9	00	3	0	0	1	12	4	10	0	0
SURAT	0530	12	1005.3	1004.0	..	27.5	24.6	23.2	28.6	79	..	0.4	..	5.6	0	0	29	00	3	0	3	0	23	0	0	2	0
	0830	12	1007.4	1006.1	+0.0	30.3	24.9	22.3	27.3	64	- 5	1.0	-2.5	6.8	0	0	30	00	7	0	1	0	19	0	3	1	0
	1130	12	1007.6	1006.3	..	35.0	25.2	19.8	23.8	45	..	1.1	..	10.6	0	3	28	00	5	0	0	0	20	0	6	0	0
	1730	12	1003.5	1002.2	-0.2	[illegible]	25.9	21.4	25.6	49	- 8	0.4	-1.3	14.1	0	7	24	00	0	0	0	0	27	0	4	0	0
	2330	12	1006.0	1004.7	..	[illegible]	25.6	23.7	29.1	73	..	0.7	..	10.8	0	2	28	00	2	0	0	0	27	0	1	1	0
SAURASHTRA AND KUTCH (INCLUDING DIU																											
NALIYA	0830	21	1006.3	1004.4	+0.9	28.6	25.7	24.3	30.7	78	+ 0	2.7	-0.4	15.0	0	12	18	01	0	0	0	0	18	6	5	1	0
	1730	21	1003.7	1001.3	+0.4	32.9	26.0	22.6	27.9	57	+ 0	1.6	-0.3	17.5	0	10	21	00	0	0	0	0	18	11	2	0	0
BHUJ (RUDRAMATA)	0230	80	1004.5	995.5	..	27.3	24.0	22.0	27.1	75	..	0.3	..	13.2	0	6	20	00	0	0	0	0	15	10	1	5	0
	0530	80	1004.7	995.6	..	[illegible]	23.9	22.5	27.7	81	..	0.9	..	12.8	0	5	23	01	0	0	0	0	13	13	1	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY 1969 (VAISAKHA 11 - JYAISTHA 10, 1891 SAKA)

Sub-division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure: At station level	Mean pressure: Departure from normal	Mean temperature in °C: Dry Bulb	Mean temperature: Wet Bulb	Mean temperature: Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount: Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.): 62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SURASHTRA AND KUTCH (INCLUDING DIU)																											
BHUJ (RUDRAMATA)	0830	80	1006.2	997.2	+0.6	29.1	24.8	22.6	28.1	70	+ 4	0.6	-0.4	17.3	0	12	14	02	0	0	0	0	4	18	2	5	0
	1130	80	1006.0	997.2	..	35.7	25.2	19.5	23.5	41	..	0.2	..	20.5	0	16	14	02	2	1	1	0	5	16	3	1	0
	1430	80	1003.7	994.9	..	39.0	25.0	16.2	20.1	29	..	0.3	..	23.5	0	19	12	01	1	1	1	1	5	14	6	0	1
	1730	80	1002.3	993.6	+0.0	37.8	24.9	16.7	20.9	34	+ 1	0.6	+0.0	27.2	0	24	7	01	1	0	0	0	6	21	2	0	0
	2030	80	1003.9	995.0	..	32.3	24.4	19.6	24.1	53	..	0.1	..	20.8	0	19	12	01	0	0	0	0	10	18	2	0	0
	2330	80	1005.2	996.2	..	29.1	24.4	21.6	26.6	68	..	0.0	..	17.1	0	13	16	00	0	0	0	0	11	15	3	2	0
KANDLA AERODROME	0830	35	1006.7	1002.8	..	30.0	24.3	21.2	25.6	62	..	0.4	..	25.5	0	22	8	02	0	0	0	0	15	7	6	1	0
	1130	35	1006.3	1002.5	..	37.0	24.2	16.6	19.5	33	..	0.0	..	26.5	0	24	6	01	1	1	0	0	12	12	3	1	0
	1730	35	1002.5	998.7	..	38.7	24.0	14.5	17.8	27	..	0.5	..	33.9	0	28	3	01	0	0	0	5	15	9	1	0	0
NEW KANDLA	0830	14	1007.0	1005.4	+0.5	29.1	24.4	21.7	26.6	67	- 5	1.3	-0.9	15.5	0	10	21	06	0	0	0	0	7	14	4	0	0
	1730	14	1003.3	1001.7	+0.3	34.5	26.2	22.2	26.9	51	+ 0	0.5	-1.1	28.9	0	25	6	00	1	0	0	1	19	10	0	0	0
MANDVI	0830	9	1007.2	1006.1	+1.2	29.2	25.8	24.0	30.5	76	- 8	3.6	+1.2	26.7	0	20	11	00	2	0	0	0	6	17	6	0	0
	1730	9	1004.2	1003.1	+0.9	31.2	27.1	25.4	32.6	73	-10	2.5	+0.4	38.5	0	31	0	01	0	0	0	0	6	24	0	0	0
SURENDRANAGAR	0830	74	1006.9	998.5	+0.8	30.5	25.3	22.7	27.9	65	- 2	0.1	-1.6	15.1	0	10	18	03	1	0	0	0	1	13	10	0	0
	1730	74	1001.8	993.8	+0.6	40.6	24.8	15.6	18.3	24	- 2	1.1	-0.8	14.0	0	8	21	04	0	0	0	1	1	19	4	1	0
OKHA	0530	7	1005.6	1004.8	..	27.7	25.8	25.0	31.5	86	..	2.3	..	23.2	0	22	9	03	0	0	0	0	4	15	9	0	0
	0830	7	1007.5	1006.7	..	29.0	26.4	25.3	32.2	81	..	2.1	..	23.2	0	20	11	04	0	0	0	0	5	12	10	0	0
	1130	7	1007.9	1007.1	..	30.5	26.9	25.4	32.4	75	..	1.6	..	24.3	0	24	7	01	1	0	0	0	1	16	12	0	0
	1730	7	1004.9	1004.1	..	30.3	27.1	25.8	33.2	77	..	1.4	..	28.8	0	31	0	00	0	0	0	0	1	20	10	0	0
	2330	7	1006.6	1005.8	..	28.2	26.4	25.7	32.0	86	..	1.5	..	24.1	0	24	7	01	0	0	0	0	5	19	6	0	0
JAMNAGAR AERODROME	0530	23	1005.5	1003.2	..	25.9	24.1	23.2	28.6	85	..	2.1	..	13.2	0	5	26	01	0	0	0	0	14	11	5	0	0
	0830	23	1006.9	1004.8	+0.6	29.2	25.2	23.1	28.8	72	+ 2	2.5	-0.4	15.6	0	10	21	01	0	1	0	0	3	16	10	0	0
	1130	23	1007.0	1004.8	..	33.2	25.5	21.6	26.4	52	..	0.7	..	21.1	0	16	15	03	2	0	0	0	0	9	16	0	1
	1730	23	1003.8	1001.7	+1.0	33.0	25.5	21.7	26.3	54	+ 0	0.5	-0.5	32.0	0	27	4	02	0	0	0	0	0	9	20	0	0
	2330	23	1005.9	1003.8	..	28.1	25.1	23.7	29.5	77	..	1.4	..	20.2	0	12	19	00	0	0	0	0	1	23	7	0	0
DWARKA	0830	11	1006.7	1005.4	-0.3	28.8	27.1	26.2	34.4	86	+ 4	2.6	-0.3	15.5	0	7	24	03	0	0	0	0	6	12	10	0	0
	1730	11	1005.1	1003.8	+0.5	30.1	28.2	27.5	36.7	86	+ 8	2.3	-0.3	23.3	0	25	6	00	0	0	0	0	0	21	10	0	0
RAJKOT	0530	138	1005.3	989.8	..	25.9	23.0	21.4	25.5	77	..	1.6	..	20.1	0	20	10	01	0	0	1	0	11	11	6	1	0
	0830	138	1006.9	991.6	-0.3	28.7	24.2	21.8	26.4	68	- 4	0.4	-1.7	26.1	0	25	6	01	1	0	0	0	6	12	11	0	0
	1130	138	1006.2	991.1	..	35.9	23.3	15.5	18.3	31	..	0.1	..	28.3	0	27	4	02	2	0	0	0	3	11	13	0	0
	1430	138	1003.5	988.6	..	39.5	22.8	11.5	14.0	20	..	0.1	..	25.9	0	23	7	03	1	0	0	0	6	6	14	1	0
	1730	138	1002.1	987.3	+0.2	38.9	22.8	11.5	14.6	22	- 5	0.2	-1.5	35.2	0	28	3	03	1	0	1	0	1	6	19	0	0
BHAUNAGAR AERODROME	0830	11	1007.2	1006.0	-0.1	30.4	23.6	19.5	22.7	56	+ 2	0.8	-0.6	21.8	0	19	12	05	0	0	1	0	4	13	8	0	0
	1130	11	1006.9	1005.7	..	35.9	24.5	17.9	21.3	38	..	0.4	..	18.9	0	11	20	03	5	4	1	1	5	7	5	0	0
	1730	11	1002.3	1001.1	-0.3	38.1	25.7	18.4	22.9	36	- 1	0.6	-0.8	30.4	0	26	5	01	2	2	7	15	2	1	1	0	0
PORBANDER AERODROME	0830	7	1007.4	1006.6	+0.8	29.3	25.8	24.2	30.4	75	- 6	2.3	-0.7	18.3	0	12	19	04	0	0	0	0	4	12	11	0	0
	1130	7	1007.5	1006.7	..	33.0	25.8	22.0	27.3	57	..	1.1	..	22.1	0	27	4	02	1	0	1	0	9	14	4	0	0
	1730	7	1004.6	1003.8	+0.3	31.5	26.1	23.2	29.1	64	-11	1.4	-1.5	27.2	0	31	0	01	0	0	0	0	9	18	3	0	0
KESHOD	0830	51	1007.3	1001.5	-0.1	29.1	25.0	23.0	28.3	70	- 2	2.2	-0.4	18.6	0	13	18	07	1	0	0	0	1	13	9	0	0
	1130	51	1007.1	1001.4	..	34.6	24.9	19.2	23.2	43	..	1.1	..	23.2	0	21	10	04	2	0	0	0	1	17	7	0	0
	1730	51	1004.1	998.5	-0.1	34.6	24.8	19.0	24.4	44	- 1	1.3	+0.0	32.7	0	31	0	01	1	0	0	0	1	23	5	0	0
MAHUVA	0830	9	1006.9	1005.9	..	29.8	25.7	23.7	29.3	71	..	2.0	..	6.3	0	0	29	06	3	0	0	1	11	2	4	2	2
	1730	9	1003.1	1002.1	..	33.0	26.8	24.0	29.8	60	..	1.1	..	14.6	0	8	23	00	0	0	2	5	17	2	0	0	5
VERAVAL	0230	8	1005.8	1004.9	..	26.9	25.6	25.0	31.9	90	..	1.3	..	17.7	0	15	15	04	0	0	0	0	1	11	14	1	0
	0530	8	1005.7	1004.8	..	26.3	25.0	24.1	30.7	89	..	1.3	..	16.3	0	11	20	08	0	0	0	0	3	8	12	0	0
	0830	8	1007.4	1006.5	-0.2	28.7	25.9	24.5	31.1	80	- 2	1.8	-1.2	18.2	0	13	18	06	1	0	0	0	1	11	12	0	0
	1130	8	1007.8	1006.9	..	31.4	27.2	25.1	32.6	74	..	0.7	..	21.5	0	21	10	00	3	0	0	0	2	22	4	0	0
	1430	8	1006.0	1005.1	..	31.3	27.9	26.4	35.0	77	..	0.9	..	25.5	0	28	3	01	0	0	0	0	3	22	5	0	0
	1730	8	1004.8	1003.9	+0.0	30.0	27.9	27.0	35.9	84	+ 2	1.1	-0.8	26.1	0	26	5	00	0	0	0	0	1	24	6	0	0
	2030	8	1005.8	1004.9	..	28.1	26.8	26.2	34.0	90	..	1.1	..	21.4	0	19	12	00	0	0	0	0	1	17	13	0	0
	2330	8	1006.8	1005.9	..	27.6	26.0	25.2	32.2	88	..	1.8	..	17.3	0	12	19	02	0	0	0	0	1	13	15	0	0
DIU	0830		1007.7	1006.0	..	29.5	24.7	22.2	27.3	68	..	0.8	..	10.5	0	2	28	01	1	0	0	1	0	15	12	1	0
	1730		1005.1	1003.4	..	30.9	26.2	24.0	30.0	68	..	0.5	..	23.6	0	19	12	00	0	0	0	1	16	13	1	0	0
KONKAN (INCLUDING GOA)																											
DAHANU	0830	5	1007.7	1007.2	+0.7	29.2	27.3	26.5	0.0	86	+ 8	.	..	9.6	0	1	26	01	5	0	3	1	8	6	3	4	0
	1730	5	1004.5	1003.9	+0.0	32.3	29.3	28.2	0.0	79	+ 4	.	..	20.3	0	19	12	02	0	0	1	0	14	11	3	0	0
BOMBAY (SANTACRUZ)	0230	14	1005.8	1004.2	+0.3	28.1	25.5	24.2	30.5	80	+ 5	2.3	-0.1	5.7	0	0	19	03	0	0	0	0	4	9	3	12	0
	0530	14	1005.9	1004.3	..	27.4	25.1	24.0	29.7	82	..	2.4	..	4.9	0	0	19	00	2	1	2	0	2	8	4	12	0
	0830	14	1007.8	1006.1	+0.0	30.3	26.0	24.2	30.0	70	+ 1	3.3	-0.9	8.6	0	0	27	02	0	1	2	0	2	13	7	4	0
	1130	14	1007.7	1006.1	..	32.5	26.6	24.1	30.0	61	..	2.4	..	16.3	0	4	27	00	0	0	0	0	3	22	6	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY 1969 VAISAKHA 11 - JYAISTHA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or lst. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KONKAN (INCLUDING GOA) (CONTD.)																												
BOMBAY (SANTACRUZ)	1430	14	1005.8	1004.2	..	32.8	26.8	24.2	30.4	61	..	2.0	..	18.5[a]	0	14	16	00	0	0	0	0	2	21	7	0	0
	1730	14	1004.6	1003.0	-0.1	31.9	26.3	23.9	29.7	63	- 2	2.1	-0.8	19.2	0	18	13	01	0	0	0	0	0	18	12	0	0
	2030	14	1006.0	1004.4	..	29.7	25.8	24.0	30.0	72	..	2.5	..	14.9	0	4	27	00	0	0	0	0	1	16	14	0	0
	2330	14	1006.9	1005.3	..	29.0	25.9	24.6	30.9	77	..	2.3	..	11.1	0	1	29	00	0	0	0	1	2	17	10	1	0
BOMBAY	0830	11	1008.0	1006.8	-0.1	30.3	26.7	25.2	32.1	74	+ 1	2.7	-0.9	7.9	0	0	31	05	0	3	1	3	0	10	8	0	1
	1130	11	1008.0	1006.8	..	32.6	27.6	25.6	32.8	67	..	1.5	..	11.4	0	1	30	01	0	0	0	0	6	12	12	0	0
	1730	11	1004.9	1003.7	-0.3	31.7	27.5	25.8	33.8	71	+ 3	1.0	-1.3	15.5	0	10	21	01	0	0	0	0	1	15	14	0	0
ALIBAG	0830	7	1008.0	1007.2	-0.5	29.9	26.7	25.4	32.6	77	+ 1	3.0	-0.7	6.9[a]	0	0	28	01	1	1	6	1	0	7	11	2	0
BHIRA	0830	96	1007.6	996.8	..	29.2	24.7	22.5	27.4	68	..	2.7	..	1.2	0	0	14	00	0	0	3	0	0	9	2	17	0
	1730	96	1003.1	992.6	..	35.6	25.4	20.4	24.3	44	..	2.2	..	6.2	0	0	31	00	0	0	0	3	5	12	11	0	0
HARNAI	0830	20	1007.9	1005.6	+0.2	29.5	26.3	24.9	31.5	77	- 1	0.2	-4.1	14.4[k]	0	4	14	11	0	5	0	1	0	1	0	2	0
	1730	20	1005.2	1003.0	+0.3	30.3	27.3	26.1	33.8	79	+ 1	0.0	-3.9	29.8	2	23	6	12	1	0	0	1	0	16	1	0	0
RATNAGIRI	0830	35	1007.9	1004.0	+0.3	30.1	26.1	24.4	30.5	72	- 2	5.4	+1.0	6.8	0	0	31	01	3	5	3	0	0	7	8	0	4
	1730	35	1004.8	1000.8	-0.2	31.6	26.8	24.8	31.3	67	- 2	3.9	-0.1	8.8	0	0	31	00	0	1	0	0	0	15	15	0	0
DEVGARH	0830	36	1008.1	1004.1	+0.1	29.7	26.1	24.5	30.9	74	- 4	3.4	-1.3	14.3	0	6	25	02	4	2	0	1	0	7	15	0	0
	1730	36	1005.0	1001.1	+0.0	32.2	27.1	25.1	31.5	66	- 6	2.5	-1.7	26.3	0	26	5	00	0	0	0	0	0	13	18	0	0
VENGURLA	0230	9	1007.0	1006.0	..	28.0	25.3	24.0	29.8	79	..	2.4	..	3.1	0	0	20	05	1	0	0	0	1	5	8	11	0
	0530	9	1006.6	1005.6	..	27.5	25.1	24.0	29.8	82	..	3.3	..	2.5	0	0	15	06	2	0	0	1	0	2	4	16	0
	0830	9	1008.4	1007.4	+0.1	30.2	25.9	24.1	30.0	70	- 3	3.9	-0.9	4.2	0	0	27	02	0	1	3	1	3	9	8	4	0
	1130	9	1008.0	1007.0	..	32.7	26.4	23.6	29.1	60	..	2.0	..	7.8	0	0	31	01	0	0	0	0	12	15	3	0	0
	1730	9	1005.4	1004.4	+0.0	31.6	26.4	24.1	30.0	65	- 3	2.9	-1.2	8.7[a]	0	0	30	00	0	0	0	0	4	26	0	0	0
	2330	9	1007.8	1006.8	..	29.0	25.6	24.0	29.8	75	..	2.7	..	5.1	0	0	26	04	1	0	0	1	1	8	11	5	0
PANJIM	0530	60	1006.1	999.3	..	27.8	25.0	23.8	29.3	79	..	4.6	..	9.0	0	1	30	05	4	0	0	0	2	6	14	0	0
	0830	60	1008.0	1001.3	..	29.4	25.4	23.6	29.1	72	..	5.6	..	8.6	0	1	30	07	5	4	1	0	1	4	9	0	0
	1130	60	1007.5	1000.9	..	32.6	26.2	23.4	28.8	59	..	4.7	..	17.2	0	10	21	01	0	0	0	0	9	11	10	0	0
	1430	60	1005.4	998.8	..	32.8	26.5	23.7	29.3	59	..	4.1	..	21.0	0	19	12	00	0	0	0	0	6	18	7	0	0
	1730	60	1004.7	998.0	..	31.4	26.1	23.8	29.3	64	..	4.5	..	19.4	0	15	16	00	0	0	0	1	2	19	9	0	0
	2030	60	1006.5	999.8	..	29.4	25.6	23.9	30.0	72	..	3.4	..	14.8	0	7	24	03	0	0	1	0	1	11	15	0	0
	2330	60	1007.1	1000.[illegible]	..	28.8	25.4	23.9	29.7	75	..	3.3	..	11.8	0	4	27	05	1	0	0	0	1	10	14	0	0
MORMUGAO	0530	62	1006.3	999.4	..	28.7	25.6	24.3	30.2	77	..	6.5	..	12.1	0	5	23	08	5	1	0	0	0	5	9	3	0
	0830	62	1008.2	1001.3	-0.3	29.8	25.9	24.2	30.2	72	- 1	6.3	+1.8	11.2	0	4	26	10	5	3	0	0	1	4	7	1	0
	1130	62	1007.9	1001.0	..	31.5	26.5	24.5	30.5	67	..	4.3	..	17.2	0	10	21	03	0	0	1	0	5	6	16	0	0
	1730	62	1005.1	998.2	-0.5	30.9	26.5	24.6	30.9	69	- 3	4.5	+0.6	21.6	0	20	11	02	0	0	0	0	2	11	16	0	0
DABOLIM (NAVAL AIR STN.)	0530	52	1006.4	1000.6	..	28.3	25.3	23.9	29.8	77	..	5.5	..	12.3	0	4	23	07	2	1	0	0	1	5	11	4	0
	0830	52	1008.3	1002.5	..	29.8	25.8	24.0	29.7	72	..	5.2	..	11.2	0	5	19	05	3	0	0	0	1	6	9	7	0
	1130	52	1008.0	1002.4	..	31.6	26.1	23.7	29.3	63	..	4.5	..	20.9	0	16	15	00	0	0	0	1	6	10	14	0	0
	1730	52	1005.1	999.3	..	31.4	26.2	23.9	29.7	65	..	4.8	..	26.4	0	26	5	00	0	0	0	1	1	18	11	0	0
	2330	52	1007.6	1001.8	..	29.1	25.6	24.0	30.0	74	..	5.1	..	17.1	0	8	23	02	1	0	0	0	3	7	18	0	0
MADHYA MAHARASHTRA																												
NANDURBAR	0830	206	1005.6	982.8	-0.5	31.0	23.1	18.6	21.4	51	-12	1.4	-0.3	18.2	1	14	13	00	2	0	0	0	22	0	4	3	0
	1730	206	1000.7	979.2	+0.5	39.4	23.1	12.2	14.3	22	- 8	0.7	-1.1	14.4	0	10	19	00	1	0	0	0	16	0	12	2	0
JALGAON	0830	201	1005.8	983.6	+0.1	31.7	22.9	17.4	20.6	46	- 8	1.1	-0.2	29.8	0	26	5	00	2	2	0	0	2	14	11	0	0
	1730	201	999.5	978.2	-0.1	42.0	21.9	6.2	9.7	12	- 6	1.3	-0.8	21.4	0	14	17	05	1	0	0	1	0	17	7	0	0
MALEGAON	0830	437	1006.0	958.4	+0.1	31.5	21.9	15.8	17.9	41	- 2	0.5	-1.2	15.0	0	11	19	02	3	1	0	1	7	3	13	1	0
	1730	437	1000.2	954.0	+0.0	39.3	23.2	12.6	14.6	22	- 1	1.1	-1.7	10.3	0	2	29	06	4	0	0	0	0	2	19	0	0
OZAR	0230	608	1004.9	938.1	..	24.6	19.5	16.0	18.2	63	..	0.4	..	18.6	0	13	17	00	0	0	0	0	0	18	12	1	0
	0530	608	1005.5	938.4	..	23.3	19.2	16.3	18.5	68	..	1.1	..	17.8	0	11	18	00	0	1	0	0	1	17	10	2	0
	0830	608	1006.2	940.1	..	28.3	21.0	16.5	18.8	53	..	1.8	..	24.2	0	23	7	01	1	1	1	0	0	13	13	1	0
	1130	608	1004.6	939.8	..	34.1	21.4	13.5	15.5	32	..	1.0	..	26.6	0	20	11	01	2	2	1	0	0	8	17	0	0
	1430	608	1001.4	937.4	..	37.1	21.8	12.2	14.2	24	..	1.3	..	25.7	0	22	8	02	1	1	1	0	0	11	14	1	0
	1730	608	1001.0	936.5	..	35.9	21.2	11.8	13.8	25	..	1.3	..	29.9	0	25	5	01	1	0	0	0	0	8	20	1	0
	2030	608	1003.8	938.2	..	30.1	20.2	13.7	15.7	40	..	0.9	..	23.6	0	22	7	00	0	0	0	0	0	14	15	2	0
	2330	608	1005.6	939.1	..	26.8	19.7	14.9	16.9	52	..	0.5	..	18.1	0	12	18	00	0	0	0	0	0	19	11	1	0
AHMADNAGAR	0830	657	1005.5	934.4	-0.6	28.6	19.3	12.8	15.6	41	- 3	2.2	+0.0	9.5	0	2	24	01	1	0	2	0	1	1	20	5	0
	1730	657	999.1	930.6	-0.1	38.1	20.3	7.9	10.8	17	- 5	3.7	+0.2	14.8	0	6	25	00	9	0	0	0	2	1	19	0	0
POONA AERODROME	0230	593	1005.3	940.0	..	24.4	19.6	16.5	19.3	64	..	1.0	..	24.2	0	19	12	00	0	0	0	0	0	27	4	0	0
	0530	593	1005.6	940.1	..	23.6	19.7	17.2	19.9	69	..	2.1	..	20.2	0	11	18	00	0	0	0	0	0	26	3	2	0
	0830	593	1006.6	941.8	..	27.4	20.4	16.1	18.9	53	..	2.2	..	24.8	0	20	10	00	0	1	0	0	0	26	2	1	1
	1130	593	1004.9	941.5	..	33.6	21.4	13.8	16.5	33	..	1.6	..	25.9	0	19	12	03	1	2	0	0	0	18	7	0	0
	1730	593	1000.8	938.0	..	35.2	21.9	13.9	16.5	30	..	3.1	..	30.5	0	26	5	03	0	0	0	1	0	15	12	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD.)																												
POONA AERODROME	2330	593	1005.9	941.0	..	26.6	20.7	17.1	20.0	59	..	0.8	..	25.0	0	22	9	00	0	0	0	0	0	27	4	0	0
POONA	0530	559	1006.0	944.2	..	24.3	20.0	16.9	19.6	66	..	2.5	..	7.1	0	1	20	00	0	0	0	0	1	19	1	10	0
	0830	559	1007.0	945.9	-0.1	28.0	20.8	16.6	19.3	53	- 1	2.9	+0.5	7.8	0	0	26	00	0	0	0	0	0	24	2	5	0
	1130	559	1005.2	945.5	..	34.1	21.6	13.8	16.3	32	..	2.4	..	10.0	0	1	29	02	0	3	0	0	0	17	8	1	0
	1430	559	1002.1	943.0	..	37.1	22.1	12.9	15.6	26	..	3.7	..	10.7	0	4	25	00	0	1	1	0	0	12	15	2	0
	1730	559	1001.4	942.1	-0.1	35.7	22.6	15.2	17.9	32	- 3	3.6	+0.9	15.1	0	6	24	00	1	0	0	0	0	18	11	1	0
	2030	559	1004.6	944.1	..	29.9	22.2	18.0	21.0	50	..	1.3	..	11.7	0	1	30	00	0	0	0	0	0	27	4	0	0
	2330	559	1006.1	945.1	..	27.3	21.1	17.5	20.3	58	..	1.1	..	9.3	0	2	25	00	0	0	0	0	0	26	1	4	0
JEUR	0830	521	1006.0	949.3	+0.2	29.6	23.9	21.2	25.3	63	+ 5	1.0	-1.8	10.7	0	1	30	18	1	0	0	1	0	0	11	0	0
	1730	521	999.4	951.2	+6.9	39.7	26.5	20.5	24.9	35	+ 7	1.6	-2.4	7.5	0	1	30	15	5	0	0	0	0	2	9	0	0
BARAMATI	0830	551	1006.3	946.1	+0.2	27.7	23.3	21.2	25.0	69	+10	0.9	-2.1	12.5	0	5	26	03	1	1	0	1	1	15	9	0	0
	1730	551	999.3	941.4	+0.1	37.8	26.8	22.1	27.1	42	+10	2.3	-2.0	17.7	0	13	18	08	4	0	0	1	1	5	12	0	0
SHOLAPUR	0530	179	1004.3	951.8	..	27.5	21.6	18.4	21.1	58	..	4.3	..	9.5	0	2	28	02	2	0	1	0	5	11	9	1	0
	0830	179	1006.0	953.9	-0.2	30.4	22.8	19.0	22.0	52	+ 2	3.1	+0.1	7.3	0	0	31	02	2	1	1	1	7	0	17	0	0
	1130	179	1003.6	952.7	..	37.0	24.0	17.5	20.0	33	..	3.4	..	13.0	0	6	25	11	5	0	2	0	0	2	11	0	0
	1430	179	999.8	949.6	..	40.1	24.5	16.7	19.0	26	..	5.3	..	11.0	0	4	26	10	10	0	0	1	1	1	7	1	0
	1730	179	998.5	948.1	-1.0	39.7	23.6	14.9	16.9	24	+ 0	5.0	+0.5	7.5	0	0	31	06	11	2	4	0	1	4	3	0	0
	2330	179	1003.5	951.9	..	32.3	22.6	17.7	20.2	43	..	3.5	..	11.8	0	4	26	02	3	3	3	3	5	7	4	1	0
MIRAJ	0830		..	..	..	26.8	23.2	21.6	25.8	74	+ 1	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	35.8	25.0	20.2	23.7	42	+ 1	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
KOLHAPUR	0530	570	1006.0	943.0	+0.7	23.5	21.5	20.6	24.1	84	+43	2.3	-1.9	10.0	0	1	24	00	0	0	0	0	0	24	1	6	0
	0830	570	1007.3	944.7	+0.0	26.0	22.3	20.4	24.0	72	- 1	2.8	-0.9	11.1	0	1	29	01	0	0	0	0	0	21	8	1	0
	1130	570	1005.5	944.3	..	32.4	22.6	17.4	20.2	42	..	1.9	..	14.2	0	2	29	00	4	0	0	0	2	14	11	0	0
	1730	570	1001.6	940.7	-0.3	32.5	23.3	18.9	21.8	46	- 4	4.1	+0.0	19.9	0	17	14	00	0	0	0	0	1	27	3	0	0
	2330	570	1006.7	944.0	..	25.2	22.2	20.8	24.6	77	..	2.4	..	11.5	0	1	30	00	3	0	0	0	1	21	6	0	0
NASIK	0830		..	..	..	25.5	21.7	19.9	23.2	72	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
SANGLI	0830		1006.9	946.6	..	26.0	22.2	20.4	24.0	72	..	2.4	..	16.5	0	11	20	00	0	1	0	0	3	23	4	0	0
	1730		1000.2	941.9	..	34.9	23.1	16.9	20.2	36	..	3.9	..	22.3	0	21	10	02	2	2	0	0	1	23	1	0	0
SATARA	0830		(R)																								
	1730		(R)																								
MARATHWADA																											
AURANGABAD	0830	581	1006.1	943.2	-0.1	30.3	20.7	14.8	17.4	42	- 5	1.7	-0.6	18.6	0	12	18	03	2	3	0	2	1	12	7	1	0
	1730	581	1000.4	939.3	+0.4	38.5	21.2	9.7	12.3	19	- 5	3.7	+0.3	16.5	0	10	21	05	3	0	0	1	0	8	14	0	0
AURANGABAD(CHIKALTHAN)	0230	579	1002.8	940.1	..	28.6	18.3	10.7	13.6	36	..	1.1	..	20.4	0	18	13	01	1	0	0	0	3	18	8	0	0
	0530	579	1004.0	940.7	..	26.4	17.9	11.5	14.3	43	..	1.9	..	18.6	0	12	19	02	1	1	0	1	1	19	6	0	0
	0830	579	1005.2	942.6	+0.0	30.4	20.0	13.0	15.6	38	-12	1.7	-0.6	27.5	0	25	6	04	1	2	2	0	1	12	9	0	0
	1130	579	1003.5	942.1	..	36.2	20.8	10.7	13.3	23	..	1.0	..	29.2	0	25	6	13	4	1	1	0	0	5	7	0	0
	1430	579	1000.2	939.5	..	38.7	20.7	8.1	11.2	17	..	2.4	..	27.3	0	26	5	11	1	2	0	0	1	4	11	0	1
	1730	579	999.1	938.3	+0.1	38.2	20.4	7.7	10.9	17	-12	2.8	-1.1	24.2	0	19	12	12	1	0	0	0	1	4	13	0	0
	2030	579	1001.8	940.1	..	33.5	19.2	8.9	11.8	23	..	1.8	..	20.7	0	14	16	07	0	0	0	1	0	9	13	1	0
	2330	579	1003.5	941.1	..	30.9	18.7	9.7	12.7	29	..	1.4	..	20.0	0	15	15	03	0	1	0	0	1	15	10	1	0
PARBHANI	0830	423	1005.2	959.2	-0.1	31.9	21.6	14.4	16.4	37	-11	1.4	-1.2	13.4	0	7	24	03	2	0	1	1	2	15	7	0	0
	1730	423	998.6	954.1	-0.1	40.7	22.2	8.2	11.6	15	- 9	4.0	-0.1	15.3	0	7	24	14	6	3	1	0	1	1	5	0	0
NANDER	0830	358	1004.9	965.9	..	32.7	22.3	15.7	17.8	38	..	2.0	..	7.9	0	2	21	00	1	0	0	0	2	0	20	8	0
	1730	358	998.5	960.7	..	40.0	23.0	11.9	14.2	20	..	3.5	..	7.8	0	0	28	00	5	0	0	0	3	0	20	3	0
BIR	0830	519	1006.0	949.5	..	29.3	20.4	15.2	17.4	44	..	2.3	..	7.2	0	0	30	00	1	0	1	0	2	1	25	1	0
	1730	519	999.1	944.8	..	39.2	21.0	8.7	11.2	18	..	3.5	..	12.3	0	3	28	01	16	0	0	0	1	0	13	0	0
VIDARBHA																											
GONDIA	0830	313	1004.0	969.9	+0.4	32.3	23.2	17.9	21.1	45	+ 8	1.5	-1.0	2.8	0	0	25	02	2	2	2	5	7	1	3	6	1
	1730	313	998.9	965.6	+0.8	38.1	22.7	11.5	14.6	24	+ 4	2.8	-0.5	2.9	0	0	29	08	2	3	1	3	3	3	6	2	0
NAGPUR (SONEGAON)	0230	310	1001.4	967.4	..	30.2	19.8	12.1	14.9	35	..	2.6	..	4.8	0	0	22	04	2	1	2	0	2	2	8	9	1
	0530	310	1002.3	968.0	..	28.2	19.5	13.0	15.8	41	..	2.9	..	2.6	0	0	17	05	1	0	1	0	3	3	4	14	0
	0830	310	1003.6	969.9	+0.1	33.8	22.3	15.1	17.7	34	+ 0	2.1	-0.7	9.8	0	5	23	05	3	2	3	7	3	2	3	3	0
	1130	310	1002.4	969.3	..	38.9	22.8	12.1	14.7	22	..	1.8	..	8.3	0	1	29	07	4	3	1	1	4	1	8	1	1
	1430	310	999.0	966.3	..	41.3	22.6	9.3	12.4	16	..	3.8	..	10.6	0	0	30	09	2	4	1	3	1	2	8	1	0
	1730	310	998.1	965.2	+0.3	39.6	22.2	9.6	12.6	19	+ 0	4.1	-0.1	14.1	0	10	20	05	6	4	2	0	1	3	9	1	0
	2030	310	1000.6	967.1	..	34.6	21.2	11.5	14.4	28	..	3.1	..	8.1	0	5	18	04	0	4	3	2	2	2	6	8	0
	2330	310	1001.6	968.2	..	32.1	20.7	12.5	15.2	33	..	2.9	..	5.0	0	0	21	03	2	3	0	0	3	3	7	10	0
AMRAOTI	0830	370	1003.5	963.5	-0.5	33.6	25.8	22.1	27.0	52	+15	2.1	-0.3	6.1	0	0	30	03	3	2	1	1	4	8	8	1	0
	1730	370	998.1	959.1	+0.0	40.2	28.1	22.6	27.4	39	+18	3.5	-0.8	9.5	0	3	28	07	2	2	3	2	2	4	9	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY 1969 VAISAKHA 11 - JYAISTHA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VIDARBHA (CONTD)																											
AKOLA AERODRUME	0530	309	1002.2	968.2	..	29.7	19.3	11.1	14.4	34	..	3.6	..	11.7	0	4	27	00	0	3	1	0	2	16	9	0	0
	0830	309	1003.9	970.2	..	32.9	21.2	12.8	16.0	32	..	3.0	..	14.4	0	6	24	02	1	1	1	0	1	16	8	1	0
	1130	309	1002.8	969.7	..	38.7	21.7	9.6	12.2	19	..	2.5	..	14.3	0	7	24	02	5	1	1	0	4	11	7	0	0
	1430	309	999.4	966.8	..	41.8	21.5	4.6	9.0	11	..	3.9	..	13.8	0	9	22	07	3	1	0	0	0	10	10	0	0
	1730	309	997.8	965.2	..	41.6	20.9	2.8	7.9	10	..	4.0	..	15.2	0	8	23	04	2	1	0	0	1	13	10	0	0
	2030	309	1000.1	966.9	..	36.6	19.6	4.7	9.1	15	..	3.0	..	10.5	0	2	28	03	3	0	3	1	0	10	10	1	0
	2330	309	1001.6	968.1	..	33.7	19.1	6.3	10.4	20	..	2.3	..	10.6	0	2	29	02	1	4	1	2	4	11	6	0	0
AKOLA	0830	282	1004.4	973.7	-0.1	32.8	22.6	16.4	19.5	40	+ 1	1.1	-1.0	9.4	0	0	31	00	1	0	3	0	7	3	17	0	0
	1730	282	998.4	968.7	-0.2	41.6	23.2	10.7	13.5	17	- 2	2.4	-0.4	12.1	0	0	31	00	3	0	1	0	7	0	20	0	0
BRAMHAPURI	0830	229	1004.2	979.1	-0.6	32.2	25.9	22.9	28.3	59	+13	2.9	+0.0	6.9	0	0	31	05	0	2	2	16	1	2	3	0	0
	1730	229	998.7	974.3	-0.3	40.0	25.9	18.1	20.8	32	+ 8	3.4	+0.2	5.4	0	0	30	12	6	2	0	4	3	0	3	1	0
BULDANA	0830	650	1005.0	934.8	+0.3	29.4	20.8	15.7	18.6	46	- 5	1.0	-1.7	16.1	0	10	21	04	3	0	0	0	0	0	24	0	0
	1730	650	998.8	930.9	+0.1	37.7	21.3	11.2	13.9	21	- 4	3.1	-0.4	8.8	0	2	29	02	5	0	0	0	0	0	24	0	0
YEOTMAL	0830	451	1003.7	955.0	+0.0	33.2	21.0	11.6	14.6	30	-10	2.7	-0.4	10.6[b]	0	0	29	04	4	1	0	1	4	9	6	0	0
	1730	451	997.9	950.6	+0.2	39.9	21.7	7.3	10.9	17	- 8	3.8	-0.6	9.1[b]	0	1	29	04	9	2	1	0	2	3	9	0	0
CHANDRAPUR	0830	193	1003.8	982.7	-0.6	33.2	23.6	18.1	21.3	43	+ 7	2.4	+0.0	9.4	0	2	29	01	2	2	7	9	2	2	6	0	0
	1730	193	998.7	978.1	+0.1	40.1	23.2	11.6	14.6	22	+ 1	3.4	+0.0	10.1	0	2	29	07	7	2	6	4	1	1	3	0	0
PUSAD	0830	334	1004.7	968.0	..	33.6	23.5	17.6	20.1	42	..	2.1	..	7.0	0	0	31	00	4	0	4	0	4	2	17	0	0
	1730	334	999.4	964.1	..	40.4	25.7	18.0	20.6	29	..	3.0	..	8.2	0	0	31	00	8	2	2	0	6	2	11	0	0
SIRONCHA	0830	123	1005.3	991.6	+0.1	31.9	24.8	21.2	25.5	54	+ 2	2.9	-0.4	2.2	0	0	26	00	0	3	10	6	3	4	0	5	0
	1730	123	999.7	986.4	+0.5	38.7	24.7	16.9	20.1	31	+ 4	3.5	+0.0	2.0	0	0	27	04	3	5	7	4	3	0	1	4	0
WARDHA	0830	283	1004.2	973.4	..	34.6	23.3	16.6	19.7	36	..	1.7	..	4.6	0	0	31	07	2	4	3	4	4	2	5	0	0
	1730	283	999.7	969.6	..	40.4	24.8	14.9	18.6	26	..	3.7	..	4.6	0	0	31	09	5	2	3	2	2	2	6	0	0
BHANDARA	0830	266	1003.9	974.9	..	35.3	22.9	16.4	19.5	39	..	.	..	7.3	0	1	30	01	4	2	4	2	12	1	2	0	3
	1730	266	998.3	969.9	..	35.6	23.2	13.4	16.6	26	..	.	..	7.4	0	3	27	01	5	2	4	1	5	2	1	1	9
COASTAL ANDHRA PRADESH																											
KALINGAPATAM	0830	6	1006.0	1005.3	+0.8	31.3	28.1	27.0	35.7	78	+ 2	3.3	-1.1	9.8	0	2	27	02	2	2	2	8	5	4	0	2	4
	1730	6	1002.8	1002.2	+1.2	30.6	28.3	27.4	36.3	84	+ 7	3.6	-1.2	13.2	0	4	26	00	1	1	5	13	7	0	0	1	3
VISHAKHAPATNAM	0230	3	1004.2	1003.5	..	27.5	26.1	25.3	32.4	86	..	4.0	..	4.5	0	1	13	01	2	3	1	2	3	1	1	17	0
	0530	3	1004.2	1003.8	..	29.4	25.8	25.1	32.1	88	..	5.5	..	4.1	0	1	16	00	2	4	2	0	2	4	3	14	0
	0830	3	1006.0	1005.6	+0.3	30.1	26.7	25.3	32.3	76	+ 1	4.8	+0.4	7.5	0	1	25	01	2	4	2	1	6	6	4	5	0
	1130	3	1005.4	1005.0	..	32.6	27.5	25.4	32.6	67	..	4.5	..	15.0	0	9	22	00	1	5	4	7	9	2	1	0	2
	1430	3	1003.0	1002.6	..	32.7	27.7	25.5	32.8	68	..	4.7	..	18.6	0	13	18	00	2	4	7	7	11	0	0	0	0
	1730	3	1002.6	1002.2	+0.7	30.6	26.7	24.9	31.8	72	-11	5.6	+0.9	13.7	0	3	27	01	2	2	8	8	8	0	1	1	0
	2030	3	1004.8	1004.4	..	29.5	26.6	25.4	32.7	80	..	4.7	..	7.9	0	2	27	01	1	2	8	6	8	1	2	2	0
	2330	3	1005.0	1004.6	..	28.4	26.2	25.2	32.2	83	..	4.9	..	6.0	0	2	22	01	0	6	6	1	7	0	3	7	0
KAKINADA	0830	8	1005.7	1004.8	-0.1	30.7	27.4	26.1	33.4	77	+ 6	5.6	+1.3	10.9	0	4	25	00	4	1	5	0	18	0	1	2	0
	1730	8	1002.3	1001.4	+0.7	31.6	27.4	25.4	32.5	72	+ 8	5.1	+2.1	11.8	0	2	26	00	3	1	19	2	1	0	2	3	0
NIDADAVOLE	0830	12	1006.1	1004.7	+0.1	29.4	26.6	25.5	32.5	80	+ 6	6.0	-0.1	5.7	0	0	31	02	8	4	8	1	1	2	5	0	0
	1730	12	1002.1	1000.7	+0.6	31.7	26.7	24.5	30.9	67	+14	5.9	+1.0	8.5	0	3	28	01	3	3	8	9	5	2	0	0	0
KENTACHINTALA	0830	106	1004.9	993.1	-0.2	30.2	25.3	23.1	28.4	68	+13	3.6	-0.6	1.7	0	0	21	03	0	4	1	5	0	8	0	10	0
	1730	106	1000.3	988.8	+0.5	36.3	25.7	20.4	24.4	45	+14	4.1	-0.7	1.1	0	0	14	01	0	7	0	3	0	2	1	17	0
GANNAVARAM	0230	24	1002.7	999.9	..	27.6	25.8	25.0	31.7	85	..	4.2	..	8.5	0	3	15	03	1	5	4	4	0	0	1	13	0
	0530	24	1003.4	1000.8	..	27.2	25.6	24.8	31.5	87	..	5.4	..	9.0	0	6	13	03	0	7	1	4	2	0	2	12	0
	0830	24	1005.2	1002.5	-0.2	30.0	26.2	24.5	30.9	74	+ 9	5.5	+1.4	15.7	0	8	20	00	2	3	4	9	3	4	3	3	0
	1130	24	1004.3	1001.7	..	33.3	26.1	22.8	28.0	57	..	5.1	..	17.0	0	8	23	02	2	3	4	10	1	7	2	0	0
	1430	24	1001.9	999.2	..	34.8	26.4	22.5	27.4	53	..	4.4	..	16.0	0	11	19	01	2	2	5	8	3	5	4	1	0
	1730	24	1001.0	998.3	+0.0	33.1	26.9	23.8	29.7	61	+18	5.2	+1.2	17.9	0	14	17	01	3	3	7	12	2	1	2	0	0
	2030	24	1003.4	1000.7	..	29.7	26.5	25.1	31.9	77	..	4.5	..	14.9	0	7	19	04	2	5	11	3	1	0	0	5	0
	2330	24	1004.0	1001.3	..	28.4	26.1	25.2	32.1	83	..	4.6	..	13.3	0	6	21	03	2	2	9	9	2	0	0	4	0
MASULIPATAM	0830	3	1005.1	1004.8	-0.5	29.8	26.5	25.1	31.6	77	+ 6	5.7	+1.9	4.6	0	2	27	02	4	2	5	3	6	3	1	2	3
	1730	3	1001.5	1001.2	-0.1	31.2	26.9	25.1	32.0	71	+ 6	4.9	+2.1	5.2	0	2	29	01	1	6	7	1	6	2	1	0	6
ONGOLE	0830	12	1005.1	1003.8	-0.3	30.8	26.8	25.1	32.0	73	- 1	3.4	+0.0	7.9	0	4	23	02	0	1	3	11	0	8	2	4	0
	1730	12	1001.7	1000.2	-0.1	32.4	27.0	24.6	31.2	67	- 7	3.4	-0.1	9.1	0	3	27	00	0	9	13	2	0	4	2	1	0
NELLORE	0530	20	1004.2	1002.0	..	28.4	26.0	24.9	31.7	82	..	3.9	..	7.3	0	1	29	00	6	0	14	0	4	0	6	1	0
	0830	20	1005.8	1003.6	+0.2	31.3	26.9	25.0	31.9	71	+11	4.3	+0.0	8.8	0	1	30	00	3	0	13	0	7	0	8	0	0
	1130	20	1005.4	1003.2	..	34.5	27.2	24.1	30.1	57	..	3.9	..	10.6	0	1	30	00	3	0	11	0	10	0	7	0	0
	1430	20	1003.4	1001.2	..	36.3	27.8	24.2	30.4	52	..	3.5	..	11.5	0	1	30	00	2	0	11	0	10	1	7	0	0
	1730	20	1002.3	1000.1	+0.7	33.5	28.0	25.8	33.6	67	+13	4.2	+0.1	9.3	0	1	30	00	8	5	6	0	6	0	6	0	0
	2330	20	1004.8	1002.6	..	29.5	26.8	25.6	33.0	81	..	3.8	..	8.5	0	0	29	00	5	0	12	0	6	0	6	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS (MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VISHAKHAPATNAM (SOLAR)	0830		(R)																								
TELANGANA																											
RAMGUNDAM	0830	156	1004.7	987.5	+0.2	31.8	24.8	21.3	25.9	57	+13	2.7	-0.5	4.6	0	0	29	00	2	2	6	13	1	0	5	2	0
	1730	156	999.2	982.3	+0.1	38.3	24.6	16.8	19.9	32	+ 9	4.9	+0.8	4.1	0	1	25	02	1	6	5	4	2	5	1	5	0
NIZAMABAD	0830	381	1004.4	962.8	-0 ..	..	..	..	..	.	..	2.2	-0.3	1.0	0	0	7	00	0	0	0	1	5	0	1	24	0
	1730	381	998.3	958.2	-0 ...	..	..	..	..	.	..	3.4	+0.1	2.3	0	0	15	02	2	0	1	2	4	1	3	16	0
HANAMKONDA	0830	269	1005.1	975.5	+0.0	29.6	24.9	22.4	27.3	68	+17	3.1	+0.4	2.3	0	0	30	02	0	0	2	18	0	4	4	1	0
	1730	269	1001.6	972.7	+1.8	37.5	25.1	18.4	21.7	37	+13	3.0	-0.2	1.9	0	0	30	07	0	0	8	12	0	2	1	1	0
HAKIMPET AERODROME	0530	613	1003.5	936.7	..	25.9	22.0	20.0	23.4	72	..	4.3	..	16.6	0	11	18	00	1	1	4	3	6	9	5	2	0
	0830	613	1004.5	938.2	..	29.0	23.0	20.0	23.4	59	..	3.8	..	21.2	0	15	16	03	0	2	6	2	4	6	8	0	0
	1130	613	1003.0	937.9	..	34.1	23.3	18.0	20.6	40	..	3.4	..	24.5	0	16	15	10	0	0	3	1	4	6	6	0	1
	1730	613	1000.3	935.3	..	34.8	22.4	15.4	17.5	35	..	5.2	..	20.8	0	12	18	07	5	2	4	3	4	1	4	1	0
	2330	613	1003.2	937.0	..	28.7	22.4	19.1	22.1	59	..	3.6	..	15,9	0	7	22	01	2	1	10	7	4	1	3	2	0
BHADRACHALLAM	0830	111	1004.6	992.5	-0.6	29.7	25.8	24.2	30.3	73	+12	4.9	+0.9	3.8	0	0	31	00	13	0	7	0	5	0	6	0	0
	1730	111	999.6	987.6	-0.1	36.1	25.8	20.7	24.8	45	+14	4.6	-0.6	3.7	0	0	31	01	12	0	7	1	4	1	5	0	0
HYDERABAD (BEGAMPET)	0230	545	1002.4	943.2	..	27.7	22.2	19.3	22.9	63	..	3.6	..	10.3	0	5	24	01	1	2	8	9	1	3	4	2	0
	0530	545	1003.4	943.9	..	26.7	22.0	19.5	23.0	66	..	4.2	..	10.0	0	5	23	01	1	1	5	1	5	6	8	3	0
	0830	545	1005.1	945.9	-0.2	28.9	22.6	19.5	22.9	59	+ 9	3.8	+0.3	11.9	0	4	27	06	0	1	4	4	4	5	7	0	0
	1130	545	1003.2	945.1	..	33.9	23.0	17.3	20.2	39	..	3.3	..	14.1	0	7	23	08	3	1	1	4	1	3	9	1	0
	1730	545	999.4	941.7	+0.0	35.4	22.1	14.4	17.0	33	+ 0	5.4	+1.0	12.3	0	5	26	07	5	1	7	6	2	1	2	0	0
	2330	545	1003.4	944.4	..	29.5	22.0	18.0	21.2	53	..	4.1	..	9.6	0	5	24	02	1	3	10	6	3	2	2	2	0
KHAMMAM	0830	112	1004.9	992.4	-0.7	29.7	25.8	24.1	30.0	73	+ 6	5.9	+2.4	4.6	0	0	27	05	1	4	7	6	1	2	1	4	0
	1730	112	999.9	987.8	-0.1	35.2	26.7	22.9	28.2	52	+19	5.2	+0.9	2.6	0	0	18	04	1	5	1	6	0	1	0	13	0
MAHBUBNAGAR	0830	505	1005.0	950.1	-0.5	29.6	22.9	19.5	22.9	55	- 2	3.9	-0.4	8.3	0	0	31	03	2	1	2	0	13	1	9	0	0
	1730	505	999.3	945.8	-0.6	35.8	22.7	15.1	18.2	33	- 1	5.6	+0.5	9.5	0	1	29	02	6	6	1	3	2	5	5	1	0
RAYALASEEMA																											
KURNOOL	0830	281	1005.8	974.8	-0.5	30.5	23.7	20.1	24.1	56	+ 2	4.4	+0.4	11.3	0	6	25	00	2	0	3	0	19	0	6	0	1
	1730	281	1000.0	969.9	+0.1	37.7	24.5	17.2	20.3	32	+ 5	4.9	+0.7	7.6	0	3	27	00	10	0	3	0	6	0	8	1	3
NANDYL	0830	212	1005.6	982.1	..	30.2	24.5	21.8	26.2	62	..	3.6	..	8.8	0	2	25	02	0	3	3	5	1	9	4	4	0
	1730	212	999.8	977.2	..	36.9	25.1	18.9	22.3	38	..	4.1	..	8.9	0	3	27	04	3	10	1	2	0	6	4	1	0
ANANTAPUR	0530	350	1004.7	965.9	..	26.4	23.1	21.4	25.5	75	..	5.1	..	12.6	0	7	21	00	0	0	1	0	6	21	0	3	0
	0830	350	1006.2	967.6	-0.1	28.7	23.5	20.9	24.8	64	+ 2	4.5	+0.2	14.9	0	8	22	00	0	0	1	0	5	23	1	1	0
	1130	350	1004.9	966.9	..	33.6	24.2	19.2	22.5	44	..	4.4	..	13.9	0	8	21	02	0	1	2	1	2	12	9	2	0
	1430	350	1001.6	964.2	..	36.4	24.2	17.4	20.3	34	..	4.9	..	11.4	0	4	23	03	2	1	0	0	0	11	10	4	0
	1730	350	1000.3	962.9	+0.1	36.4	24.0	17.0	19.7	34	+ 2	5.5	+0.7	10.2	0	5	20	02	2	2	1	0	0	9	8	6	1
	2030	350	1002.8	964.8	..	32.2	23.8	19.3	22.7	49	..	4.8	..	7.8	0	3	16	00	0	5	1	0	3	10	0	12	0
	2330	350	1004.5	966.2	..	29.8	23.7	20.5	24.4	59	..	4.8	..	17.7	0	14	12	00	0	2	5	2	4	13	0	5	0
CUDDAPAH	0830	130	1006.2	991.8	-0.4	31.5	24.7	21.5	25.7	56	- 1	3.1	-0.3	3.4	0	0	19	00	0	0	0	0	0	18	1	12	0
	1730	130	1000.8	986.7	-0.1	37.7	25.7	19.7	23.3	37	- 4	4.4	+0.3	3.7	0	0	21	00	2	6	2	0	0	9	2	10	0
AROGYAVARAM	0830	701	1007.0	931.1	+0.7	27.2	23.5	21.8	26.3	73	+13	5.0	-0.1	9.9	0	0	30	00	0	0	7	0	3	1	19	1	0
	1730	701	1000.7	926.9	+0.1	33.5	25.7	22.3	27.5	53	+15	5.2	-0.6	11.9	0	2	29	00	15	0	3	0	0	0	13	0	0
TAMIL NADU (INCLUDING PONDICHERRY)																											
MADRAS	0830	6	1005.9	1005.2	-0.1	30.9	26.6	24.8	31.4	70	+ 4	7.1	+2.6	10.0	0	0	31	01	0	0	3	3	13	10	1	0	0
	1730	6	1002.5	1001.8	..	31.6	27.5	25.8	33.5	73	..	5.8	..	9.0	0	0	31	00	1	5	15	6	4	0	0	0	0
MADRAS (MINAMBAKKAM)	0230	16	1003.7	1002.0	..	28.9	25.7	24.3	30.5	77	..	4.1	..	8.2	0	1	24	00	0	0	4	9	6	6	0	6	0
	0530	16	1003.9	1002.2	..	28.5	25.1	23.5	29.1	75	..	5.5	..	7.9	0	2	22	00	0	0	0	6	9	8	1	7	0
	0830	16	1005.8	1004.1	-0.4	31.2	25.4	22.7	28.0	62	- 1	6.2	+1.7	14.8	0	7	24	00	0	0	0	10	9	10	2	0	0
	1130	16	1005.2	1003.5	..	35.1	25.8	21.3	25.5	46	..	6.1	..	15.5	0	7	24	01	1	2	3	5	8	9	2	0	0
	1430	16	1002.0	1001.0	..	35.9	26.3	21.9	26.4	45	..	5.8	..	17.2	0	9	22	00	0	6	12	3	5	5	0	0	0
	1730	16	1002.4	1000.7	-0.1	32.5	26.3	23.6	29.2	60	- 6	6.2	+1.8	14.7	0	6	24	01	1	3	14	9	1	1	0	1	0
	2030	16	1004.8	1003.1	..	30.2	26.6	25.1	31.9	75	..	5.3	..	13.0	0	4	25	00	0	0	16	11	2	0	0	2	0
	2330	16	1005.2	1003.5	..	29.6	26.5	25.1	32.0	77	..	4.4	..	11.5	0	2	27	00	0	1	9	14	1	3	1	2	0
VELLORE	0530	214	1004.7	980.8	..	27.3	24.1	22.4	27.2	75	..	4.8	..	4.8	0	0	23	04	0	0	0	8	3	7	1	8	0
	0830	214	1006.5	982.8	+0.1	29.8	24.8	22.4	27.3	65	+ 3	5.3	+1.6	6.5	0	0	28	00	0	0	0	6	3	18	1	3	0
	1130	214	1005.3	981.9	..	34.2	25.8	21.8	26.3	49	..	6.2	..	5.7	0	0	28	01	0	0	0	6	4	14	3	3	0
	1730	214	1002.1	978.5	+0.2	34.8	25.4	20.8	24.8	47	+ 5	6.5	+1.6	6.7	0	0	28	00	6	4	1	2	2	13	0	3	0
	2330	214	1005.8	982.0	..	29.0	24.7	22.7	27.7	70	..	5.5	..	3.5	0	0	20	00	0	1	1	12	0	6	0	11	0
TAMBARAM AERODROME	0830	29	1005.7	1002.5	..	31.3	25.7	23.2	28.6	63	..	6.2	..	20.8	0	15	16	00	0	0	0	4	14	9	4	0	0
	1730	29	1002.7	999.6	..	33.4	26.5	23.4	29.0	57	..	6.1	..	25.6	0	23	7	01	0	0	13	13	2	1	0	1	0
TIRUPPATTUR	0830		..	..	..	24.0	23.1	22.6	27.4	92	+25	6.9	+1.8	3.5	0	0	27	11	5	0	0	10	1	0	0	4	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TAMILNADU(INCLUDING PONDICHERRY)(CONTD.)																											
TIRUPPATTUR	1730		..	..	..	27.4	24.0	22.4	27.1	75	+30	7.9	+1.9	5.9	0	0	32	11	4	0	2	13	1	0	0	0	0
METTUR DAM R.S.	0830		..	..	..	29.8	24.5	21.9	26.2	63	..	5.8	..	4.7	0	0	28	00	8	0	10	0	5	0	5	3	0
	1730		..	..	..	34.2	24.7	19.9	23.4	45	..	6.9	..	8.6	0	3	26	00	7	0	4	0	13	0	5	2	0
CUDDALURE	0530	12	1004.4	1003.1	..	28.0	25.3	24.2	30.2	80	..	4.7	..	2.0	0	1	8	00	1	0	0	2	6	0	0	22	0
	0830	12	1006.0	1004.7	-0.8	31.0	26.0	23.9	29.7	67	+ 0	5.6	+1.2	7.6	0	0	30	02	0	0	4	6	14	2	2	1	0
	1130	12	1005.5	1004.2	..	35.2	26.5	22.5	27.7	49	..	5.4	..	12.7	0	7	24	02	0	2	10	2	8	6	1	0	0
	1430	12	1002.9	1001.6	..	35.7	26.9	22.9	28.2	49	..	4.8	..	14.4	0	7	24	00	0	4	16	1	5	4	1	0	0
	1730	12	1002.5	1001.2	-0.4	32.2	27.7	26.0	33.8	71	- 1	5.5	+1.0	14.8	0	9	22	00	0	2	24	1	2	1	1	0	0
	2330	12	1005.4	1004.1	..	30.1	26.4	24.6	31.1	74	..	4.5	..	16.1	0	10	20	00	0	1	11	9	9	0	0	1	0
KALLAKKURICHCHI	0830	127	1006.0	992.0	-0.1	30.9	26.8	25.1	32.0	72	+ 5	4.7	+1.0	3.1	0	0	21	00	0	1	3	2	13	1	1	10	0
	1730	127	1001.7	986.3	-1.5	36.3	27.2	23.0	28.3	48	+ 1	5.4	+0.7	6.8	0	0	30	03	2	1	7	0	10	1	6	1	0
SALEM	0530	278	1004.9	973.9	..	26.3	23.4	21.9	26.3	77	..	2.6	..	2.5	0	0	12	00	2	3	0	3	2	0	2	19	0
	0830	278	1006.9	976.0	-0.4	28.3	23.6	21.2	25.7	66	- 5	4.7	+0.7	3.8	0	0	22	02	2	4	2	6	4	0	2	9	0
	1130	278	1005.8	975.4	..	32.7	24.5	20.3	23.8	49	..	5.6	..	7.2	0	0	28	00	0	2	7	3	1	12	3	3	0
	1730	278	1001.6	971.5	-0.4	33.9	24.3	19.0	22.5	44	- 3	6.4	+1.3	4.1	0	0	25	00	1	3	2	2	12	4	1	6	0
	2330	278	1006.0	975.2	..	28.9	23.4	20.5	24.3	62	..	3.2	..	5.1	0	0	19	00	1	7	1	2	6	2	0	12	0
COIMBATORE(PILAMEDU)	0530	399	1006.1	961.6	..	24.2	23.0	22.4	27.1	90	..	4.7	..	14.6	0	8	19	02	0	0	0	5	20	0	0	4	0
	0830	399	1007.7	963.5	+0.2	26.6	23.7	22.3	26.9	78	+ 3	5.5	+0.9	12.2	0	5	18	01	1	1	0	5	12	1	2	8	0
	1130	399	1006.4	962.9	..	31.3	24.4	21.0	25.0	55	..	5.7	..	17.3	0	11	15	00	1	3	0	11	11	0	0	5	0
	1430	399	1003.3	960.3	..	33.7	24.4	19.7	23.1	45	..	5.6	..	26.2	0	23	6	00	1	2	0	10	15	0	1	2	0
	1730	399	1003.1	959.7	+0.1	30.6	24.0	20.7	24.6	57	+ 1	5.8	+0.3	27.1	0	26	5	00	0	2	0	6	19	2	2	0	0
	2030	399	1006.1	962.1	..	26.8	23.5	21.9	26.3	75	..	4.6	..	21.2	0	20	11	01	0	0	0	8	20	2	0	0	0
	2330	399	1008.1	964.2	..	27.8	25.2	23.8	28.0	76	..	3.2	..	16.6	0	10	17	02	1	2	2	6	13	1	0	4	0
COIMBATORE	0830	409	1007.6	962.8	+0.4	27.1	23.6	22.0	26.4	74	+ 0	6.6	+2.1	8.1	0	0	30	04	2	1	0	1	20	0	1	1	1
NAGAPATTINAM	0830	9	1006.8	1005.7	-0.5	31.0	26.0	23.8	29.6	66	- 3	7.0	+2.1	12.0	0	6	23	00	1	2	6	0	12	8	0	2	0
	1730	9	1002.9	1001.9	-0.7	32.1	27.0	24.9	31.6	66	- 3	6.6	+2.2	18.0	0	18	13	00	0	4	9	8	5	5	0	0	0
TIRUCHCHIRAPPALLI	0230	88	1004.4	994.5	..	28.7	23.9	21.6	25.9	66	..	5.1	..	15.2	0	14	11	00	1	0	0	3	3	17	1	6	0
	0530	88	1004.5	994.6	..	28.0	23.9	21.9	26.4	70	..	5.2	..	16.4	0	16	11	02	1	0	0	1	4	19	0	4	0
	0830	88	1006.4	996.6	-0.6	30.3	24.4	21.6	25.9	60	- 7	5.6	+1.3	22.4	0	17	12	00	1	1	1	3	3	19	1	2	0
	1130	88	1005.5	995.9	..	34.9	25.1	20.2	23.1	43	..	5.5	..	23.6	0	19	11	00	1	0	2	1	3	21	2	1	0
	1430	88	1002.5	992.9	..	37.5	24.6	18.2	21.0	33	..	6.0	..	18.5	0	14	17	00	2	1	4	1	4	15	4	0	0
	1730	88	1001.7	992.1	-0.7	36.6	24.5	18.0	20.8	34	- 7	6.2	+1.2	17.4	0	12	19	03	1	3	3	1	4	12	4	0	0
	2030	88	1004.8	995.0	..	31.9	24.3	20.4	24.2	52	..	5.5	..	18.1	0	14	16	01	1	3	8	6	3	7	1	1	0
	2330	88	1005.9	996.1	..	30.1	24.0	21.0	25.0	59	..	5.0	..	15.9	0	10	21	00	0	2	5	1	3	17	3	0	0
VEDARANNIYAM	0830	4	1007.2	1006.7	..	32.0	27.3	25.4	32.5	69	..	4.6	..	8.0	0	0	31	00	0	0	5	3	20	0	3	0	0
	1730	4	1005.1	1004.6	..	32.1	28.4	26.9	35.5	74	..	4.0	..	9.6	0	2	29	00	1	0	11	4	14	0	1	0	0
ATIRAMPATTINAM	0830	6	1006.6	1005.9	..	31.3	27.2	25.2	32.2	70	..	3.6	..	7.8	0	2	27	01	0	1	3	5	6	2	11	2	0
	1730	6	1003.0	1002.3	..	32.0	28.3	26.9	35.6	75	..	4.7	..	23.7[b]	0	21	8	01	0	0	5	20	3	0	0	0	0
MADURAI	0830	133	1006.9	992.2	-0.2	31.0	27.2	25.5	33.4	75	+14	4.3	-0.6	4.0[c]	0	0	28	18	2	1	0	0	1	0	6	0	0
MADURAI AERODROME	0530	131	1004.8	990.1	..	27.7	23.8	21.8	26.3	71	..	4.3	..	6.1	0	1	16	02	0	0	2	1	0	3	9	14	0
	0830	131	1006.6	992.0	-0.5	30.8	24.9	21.9	26.6	60	- 5	5.4	+0.1	10.3	0	4	20	06	2	1	0	1	0	4	10	7	0
	1130	131	1005.8	991.3	..	34.8	25.1	20.3	24.0	44	..	5.4	..	12.5	0	9	18	03	1	0	1	5	3	7	7	4	0
	1730	131	1002.5	988.1	-0.8	35.4	23.9	18.8	21.7	59	+ 9	6.4	+0.1	45.8	1	16	11	03	0	2	5	3	1	8	6	3	0
TONDI	0830	5	1007.3	1006.7	-0.2	31.7	26.5	24.4	30.7	66	- 6	7.2	+1.3	6.2	0	0	31	02	1	6	2	7	11	1	1	0	0
	1730	5	1003.5	1002.9	-0.6	31.7	27.4	25.6	32.7	70	- 5	7.0	+1.2	16.9	0	8	23	00	0	3	9	18	1	0	0	0	0
PAMBAN	0830	11	1006.9	1005.6	-0.7	30.4	28.5	27.7	37.3	86	+ 9	5.0	+1.4	14.3	0	6	25	01	0	2	1	15	11	1	0	0	0
	1730	11	1003.5	1002.2	-1.1	31.4	29.0	28.1	38.0	83	+ 5	5.9	+1.9	13.0	0	10	21	00	1	0	12	16	1	0	1	0	0
TUTICORIN	0830	4	1007.1	1006.7	-0.4	31.4	25.3	22.4	27.3	60	- 6	4.3	+0.4	11.9	0	5	25	02	1	1	1	2	4	17	2	1	0
	1730	4	1003.6	1003.2	-0.5	33.5	26.0	22.6	27.8	54	- 7	4.4	+0.7	22.0	0	17	14	00	0	0	4	9	0	18	0	0	0
PALAYANKOTTAI	0830	51	1006.8	1001.2	-0.5	31.4	25.1	22.0	26.6	58	- 2	5.4	+1.1	9.4	0	2	25	04	1	0	1	2	6	8	5	4	0
	1730	51	1003.5	997.9	-0.4	33.6	25.1	20.9	24.9	48	- 5	6.5	+1.0	15.7	0	14	17	02	2	0	1	3	4	13	6	0	0
KANNIYAKUMARI	0830	37	1007.8	1003.7	..	29.1	25.5	24.0	29.9	74	..	5.6	..	17.5	0	14	16	00	0	1	0	1	5	19	4	1	0
	1730	37	1004.9	1000.8	..	29.7	25.8	24.0	29.9	72	..	6.1	..	21.0	0	21	10	00	0	0	0	1	9	19	2	0	0
PONDICHERRY	0830	6	1005.8	1005.2	..	31.8	27.2	25.4	32.8	74	..	5.7	..	15.2	0	7	24	00	0	0	5	8	6	6	5	0	1
	1730	6	1002.0	1001.4	..	32.2	29.2	28.5	39.0	86	..	5.3	..	28.9	0	22	8	00	1	2	20	6	0	0	1	1	0
PORTNOVO	0830	3	1005.9	1005.7	..	31.9	27.1	25.1	32.2	68	..	5.0	..	10.5	0	2	29	00	0	0	6	1	21	0	3	0	0
TUTICORIN H.P.	0830	3	1007.0	1006.7	..	30.9	25.9	23.7	29.5	66	..	4.6	..	18.3	1	10	20	03	1	0	1	4	10	10	2	0	0
	1130	3	1006.5	1006.3	..	33.4	27.0	24.2	30.6	60	..	4.3	..	21.1	0	14	17	00	0	5	6	10	4	5	1	0	0
	1430	3	1003.8	1003.5	..	33.2	28.0	25.8	33.5	67	..	4.1	..	24.0	0	24	7	00	0	0	10	16	1	3	1	0	0
	1730	3	1003.3	1003.0	..	32.9	26.9	24.2	30.6	62	..	4.4	..	34.6	1	24	6	01	0	0	2	12	1	12	3	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL MYSORE																											
KARWAR	0830	4	1008.7	1008.2	+0.8	30.2	26.5	25.1	31.8	75	- 5	5.3	+0.3	6.6	0	0	31	06	2	0	0	1	0	0	17	0	5
	1730	4	1005.6	1005.1	+0.3	31.5	27.1	25.2	32.2	70	- 5	5.3	+0.4	9.2	0	0	31	01	0	0	1	0	0	10	17	0	2
HONAVAR	0830	26	1008.5	1005.5	-0.3	29.2	25.8	24.4	30.3	76	- 3	5.3	-0.5	2.8	0	0	27	02	0	10	1	3	1	6	4	4	0
	1730	26	1005.4	1002.5	-0.5	31.6	26.5	24.5	30.6	67	- 5	5.2	-0.1	4.1	0	0	30	00	0	1	0	1	2	18	8	1	0
MANGALORE(BAJPE)	0230	102	1006.5	995.1	..	27.4	24.8	23.6	29.2	80	..	5.9	..	5.0	0	0	19	03	1	3	0	1	3	4	4	12	0
	0530	102	1006.6	995.0	..	26.8	24.5	23.4	28.9	82	..	5.9	..	4.6	0	0	20	03	3	6	1	1	2	2	2	11	0
	0830	102	1008.2	996.9	+0.1	29.2	25.4	23.7	29.4	73	- 8	5.6	-0.1	8.5	0	1	24	03	7	4	1	1	1	5	3	6	0
	1130	102	1007.7	996.4	..	32.4	25.9	22.9	28.0	58	..	5.6	..	17.2	0	9	22	00	0	0	0	1	6	16	8	0	0
	1430	102	1005.6	994.4	..	32.9	26.0	22.9	28.0	56	..	5.3	..	22.9	0	27	4	00	0	0	0	0	5	20	6	0	0
	1730	102	1005.1	993.9	-0.1	30.9	25.7	23.4	28.9	65	- 9	6.1	-0.1	19.2	0	12	19	01	1	0	0	0	3	11	15	0	0
	2030	102	1007.1	995.8	..	29.0	25.5	23.9	29.7	74	..	5.0	..	11.0	0	1	27	03	0	1	0	0	1	7	16	3	0
	2330	102	1007.9	996.5	..	28.3	25.2	23.8	29.6	77	..	5.5	..	7.7	0	1	22	04	1	2	3	0	1	6	6	8	0
MANGALORE	0830	22	1008.6	1006.1	-0.2	29.8	25.6	23.8	29.6	71	- 6	5.7	-0.1	3.3	0	0	30	08	3	5	2	0	1	2	7	1	2
	1730	22	1005.5	1003.0	-0.3	31.4	27.2	25.5	33.0	71	- 1	5.0	-0.2	6.8	0	0	31	01	0	0	0	0	4	6	8	0	12
MANGALORE H.P.	0830		(R)																								
	1130		(R)																								
	1730		(R)																								
INTERIOR MYSORE,NORTH																											
BIDAR	0830	664	1004.7	933.0	-0.3	29.9	21.7	16.9	19.9	48	- 3	5.0	+1.5	15.9	0	8	23	02	1	1	0	1	7	7	12	0	0
	1730	664	999.2	929.1	+0.0	34.8	21.7	13.6	16.2	32	+ 2	5.1	+0.1	11.5	0	4	27	01	10	8	2	2	0	3	5	0	0
GULBARGA	0830	458	1005.1	955.3	-1.3	29.6	22.0	18.0	20.9	51	+ 4	3.6	+0.4	10.6	0	3	21	02	0	0	0	1	1	18	2	7	0
	1730	458	999.0	950.3	-0.5	38.1	21.7	11.3	13.8	22	- 4	6.6	+1.8	10.5	0	2	26	03	4	4	1	0	4	10	2	3	0
BIJAPUR	0830	594	1006.4	941.8	-0.1	27.6	22.3	19.7	23.0	63	+ 5	3.1	-0.3	15.9	0	11	20	00	0	1	0	2	2	23	3	0	0
	1730	594	998.7	936.4	-0.9	37.5	22.6	14.4	16.6	26	- 2	6.5	+1.8	7.1	0	0	31	07	7	1	1	1	1	6	7	0	0
RAICHUR	0830	400	1005.6	962.1	-0.5	28.8	22.9	19.4	22.9	59	- 1	3.6	+0.3	8.9	0	0	31	00	1	0	0	0	11	4	15	0	0
	1730	400	999.5	957.1	-0.4	37.0	22.7	13.0	15.4	27	- 6	4.8	+0.6	6.9	0	1	29	01	4	0	6	1	7	3	8	1	0
BELGAUM	0830	753	1007.3	925.6	-0.4	25.6	22.2	20.6	23.9	74	- 4	2.4	-0.8	4.2	0	0	23	00	1	4	0	0	0	10	8	8	0
	1730	753	1002.4	922.5	-0.5	30.9	24.8	22.1	26.8	59	+ 1	4.5	+1.1	6.7	0	0	31	00	1	2	1	1	8	7	9	0	2
BELGAUM(SAMRA)	0530	747	1006.5	924.5	..	22.3	20.6	19.7	22.9	85	..	3.4	..	12.1	0	6	21	00	1	0	0	2	1	19	4	4	0
	0830	747	1007.5	926.2	+0.2	25.2	21.0	18.7	21.8	68	- 6	3.3	-1.2	15.7	0	11	20	01	1	0	1	0	1	22	5	0	0
	1130	747	1005.2	925.7	..	31.8	21.1	14.9	17.4	38	..	2.4	..	17.3	0	15	16	03	1	1	1	0	1	16	7	0	1
	1430	747	1002.0	923.4	..	34.2	22.0	15.1	17.6	34	..	4.3	..	18.5	0	14	17	03	1	0	1	0	3	16	6	0	1
	1730	747	1002.1	922.7	-0.3	30.8	22.6	18.3	21.4	49	-10	4.8	-0.1	24.6	0	23	8	01	0	1	0	0	4	23	2	0	0
	2030	747	1005.7	924.7	..	25.5	21.7	19.7	23.2	71	..	3.9	..	23.4	0	20	11	00	0	0	1	0	2	27	1	0	0
GADAG	0530	650	1006.3	934.8	..	23.3	22.2	21.6	25.9	91	..	4.3	..	10.8	0	0	31	00	0	1	2	1	12	13	1	0	1
	0830	650	1006.3	935.3	-1.3	25.6	23.1	22.1	26.4	81	+ 3	3.4	-0.8	8.3	0	0	31	00	0	0	1	3	1	26	0	0	0
	1130	650	1005.1	935.7	..	32.2	24.5	21.1	25.3	53	..	2.4	..	10.3	0	1	28	00	0	2	0	0	3	20	4	2	0
	1430	650	1001.2	933.0	..	36.4	24.6	19.0	22.6	38	..	4.9	..	9.3	0	0	31	01	1	1	1	0	4	12	10	0	1
	1730	650	1000.1	931.5	-0.9	34.6	24.4	19.6	23.2	43	- 6	6.0	+1.2	8.3	0	0	31	01	5	4	0	1	5	15	0	0	0
	2030	650	1004.7	934.4	..	28.4	23.6	21.4	25.8	67	..	4.4	..	14.9	0	5	26	00	1	1	0	4	13	10	2	0	0
	2330	650	1006.5	935.5	..	25.3	22.6	21.3	25.6	79	..	4.9	..	14.0	0	5	26	00	0	1	0	0	14	15	1	0	0
BIDAR A.F.	0530	665	1003.7	931.3	..	26.2	19.4	14.7	17.3	53	..	3.6	..	14.5[b]	0	3	25	03	2	0	0	4	9	3	7	1	0
	0830	665	1004.8	933.1	..	29.7	20.6	15.1	17.3	44	..	3.1	..	19.4[c]	0	13	15	06	3	1	0	2	7	4	5	0	0
	1130	665	1003.0	932.6	..	35.1	20.9	11.6	14.3	26	..	3.1	..	21.4	0	14	16	11	4	1	1	1	1	3	8	1	0
	1730	665	998.8	928.9	..	35.1	20.4	9.7	13.1	26	..	4.6	..	19.5[c]	0	13	15	07	9	4	1	4	0	1	2	0	0
	2330	665	1003.1	931.5	..	29.6	19.6	12.5	15.2	39	..	3.4	..	12.5	0	4	24	03	2	3	5	7	4	2	2	3	0
INTERIOR MYSORE,SOUTH																											
BELLARY	0830	449	1006.0	956.8	-0.5	28.4	22.9	20.0	23.5	61	+ 3	3.9	-0.3	8.8	0	2	23	00	0	1	3	0	1	13	7	6	0
	1730	449	1000.5	952.8	+0.2	36.5	23.5	15.9	18.4	31	- 2	6.1	+1.5	10.7	0	1	28	00	1	3	2	1	0	16	6	2	0
CHITRADURGA	0830	733	1007.3	927.3	-0.3	24.3	21.8	20.7	24.6	80	+ 5	3.8	-1.1	10.6	0	2	28	00	0	1	0	0	12	17	0	1	0
	1730	733	1000.7	923.5	-0.3	33.4	22.9	17.5	20.4	40	+ 1	5.0	+0.2	4.5	0	0	28	01	0	3	1	1	4	17	1	3	0
SHIMOGA	0830	571	1007.6	944.9	-0.2	25.4	22.9	21.7	25.9	80	+ 2	5.9	+0.8	3.1	0	0	28	00	0	0	0	1	17	9	1	3	0
	1730	571	1002.7	941.4	+0.0	31.1	23.6	20.0	23.6	54	- 3	5.6	+0.6	4.0	0	0	31	00	0	0	4	0	1	26	0	0	0
AGUMBE	0830		1009.5	937.1	..	24.3	22.8	21.8	26.2	83	..	3.6	..	4.8	0	0	28	05	4	2	0	1	5	9	2	3	0
	1730		1006.5	934.7	..	26.2	22.9	21.5	25.7	76	..	4.2	..	7.5	0	0	31	02	0	1	1	6	7	14	0	0	0
BALEHONNUR	0830		..	..	..	23.8	21.8	20.9	24.6	84	- 4	.	..	..	..	..	..	00	0	0	0	0	0	0	0	0	0
HASSAN	0830	960	1501.6	904.6	+0.1	24.4	20.6	18.5	21.5	71	- 9	5.9	+1.3	5.1[a]	0	0	20	00	0	1	3	1	7	7	1	10	0
	1730	960	1482.2	902.0	+0.7	27.5	21.5	18.4	21.4	60	- 4	6.5	+0.7	5.9	0	1	19	00	0	4	3	0	8	3	2	11	0
BANGALORE	0230	921	1488.3	907.6	..	22.7	20.2	18.9	21.9	80	..	4.0	..	7.1	0	1	23	00	0	0	1	2	5	15	1	7	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
INTERIOR MYSORE, SOUTH																											
BANGALORE	0830	921	1503.8	909.0	+0.8	23.6	20.9	19.5	22.7	78	+ 3	5.6	+0.6	7.0	0	0	30	00	1	0	0	3	5	18	3	1	0
	1130	921	1510.3	908.8	..	28.7	22.0	18.5	21.5	56	..	5.1	..	8.8	0	1	27	00	0	1	1	0	6	17	3	3	0
	1430	921	1496.8	906.9	..	31.6	22.1	16.9	19.6	43	..	5.5	..	7.0	0	0	31	01	4	2	2	0	1	15	6	0	0
	1730	921	1483.2	905.8	+1.1	29.7	21.4	16.8	19.4	47	+ 1	6.0	+0.3	5.9	0	0	26	01	1	2	3	1	3	11	4	5	0
	2030	921	1496.8	906.9	..	31.6	22.1	16.9	19.6	43	..	5.5	..	7.0	0	0	31	01	4	2	2	0	1	15	6	0	0
BANGALORE AERODROME	0530	897	1470.6	908.5	..	21.7	20.2	19.5	22.8	88	..	4.4	..	9.2	0	3	26	00	0	1	3	1	5	18	1	2	0
	0830	897	1492.0	910.4	+0.0	23.9	21.5	20.2	23.7	80	+ 5	5.4	+0.4	16.3	0	8	23	01	0	0	0	4	8	16	2	0	0
	1130	897	1497.1	909.8	..	28.8	22.7	19.8	23.2	59	..	5.1	..	15.4	0	12	19	00	0	0	3	2	5	20	1	0	0
	1730	897	1469.7	907.0	+0.0	29.1	22.3	18.9	22.1	58	+ 9	6.3	+0.2	13.9	1	5	24	01	2	3	3	1	3	14	3	1	0
	2330	897	1486.6	909.8	..	23.8	21.0	19.6	22.8	79	..	5.1	..	10.9	0	2	28	00	0	2	4	4	8	10	2	1	0
MYSORE	0830	767	1008.3	924.5	-0.1	24.0	21.4	20.1	23.5	79	+ 0	3.0	-1.9	6.3	0	0	31	07	1	5	0	4	4	8	2	0	0
	1730	767	1002.7	921.0	-0.2	29.9	22.0	17.9	20.7	51	+ 0	5.0	-0.5	8.5	0	0	31	05	1	2	0	5	3	12	3	0	0
YALANKA A.F.	0530	932	1473.8	905.5	..	21.6	20.0	19.1	22.2	86	..	4.8	..	17.0	0	9	20	01	0	0	2	2	5	16	3	2	0
	0830	932	1493.3	907.1	..	24.1	20.9	19.2	22.3	74	..	5.3	..	22.0	0	17	14	00	1	0	0	4	4	18	4	0	0
	1130	932	1498.8	906.7	..	29.0	21.8	18.1	20.9	52	..	4.8	..	22.0	0	15	16	07	1	1	1	2	1	16	2	0	0
	1730	932	1472.7	903.9	..	30.0	21.0	15.7	18.2	44	..	5.7	..	21.3	0	18	13	03	2	3	1	2	2	9	8	0	1
	2330	932	1487.4	906.6	..	23.5	20.4	18.7	21.7	75	..	5.0	..	21.0	1	15	12	05	0	0	3	1	4	14	1	3	0
KERALA																											
CALICUT	0530	5	1007.2	1006.6	..	26.5	24.9	24.1	30.1	88	..	5.4	..	5.0	0	0	23	01	3	17	0	0	1	0	1	8	0
	0830	5	1008.7	1008.1	-0.1	28.7	25.5	24.1	29.9	77	- 4	5.9	+0.3	4.5	0	0	28	00	0	1	0	0	11	10	6	3	0
	1130	5	1008.6	1008.0	..	31.1	26.6	24.7	31.5	69	..	5.4	..	7.6	0	0	30	03	0	1	1	0	3	9	13	1	0
	1430	5	1006.7	1006.1	..	31.5	27.0	25.2	32.0	70	..	5.3	..	12.0	0	2	29	00	0	0	0	0	4	17	10	0	0
	1730	5	1006.0	1005.4	+0.0	30.4	26.7	24.9	31.3	74	- 2	6.1	+0.4	8.5	0	1	30	00	0	0	0	0	0	21	10	0	0
	2330	5	1008.3	1007.7	..	28.4	25.7	24.6	31.0	80	..	5.6	..	8.6	0	0	28	12	4	1	0	0	2	7	2	3	0
PALGHAT	0830	97	1008.3	997.4	-0.2	27.3	25.0	24.0	29.9	83	+ 2	6.5	+1.4	8.3	0	0	29	00	0	1	0	1	0	26	1	2	0
	1730	97	1004.7	993.9	-0.4	30.6	25.7	23.4	28.8	66	- 3	6.5	+0.7	12.8	0	0	31	00	0	0	0	0	0	29	2	0	0
FORT COCHIN	0830	3	1008.4	1008.1	-0.7	28.7	26.4	25.4	32.4	82	+ 1	7.5	+1.2	4.6	0	0	29	03	14	10	1	0	0	0	1	2	0
	1730	3	1005.4	1005.1	-0.9	29.6	27.0	25.9	33.5	81	+ 3	7.5	+1.2	10.1	0	0	28	01	0	2	0	1	1	12	11	3	0
COCHIN(NAVAL AIR STATION)	0230	3	1007.0	1006.7	..	26.5	25.1	24.5	30.8	89	..	6.1	..	3.7	0	0	14	02	2	5	2	0	0	2	1	17	0
	0530	3	1006.8	1006.5	..	25.9	24.7	24.1	30.1	90	..	6.2	..	4.8	0	1	19	01	3	9	2	0	1	1	3	11	0
	0830	3	1008.4	1008.1	..	28.0	25.6	24.6	30.9	82	..	6.5	..	3.7	0	0	20	02	5	12	0	1	0	0	0	11	0
	1130	3	1008.5	1008.2	..	30.7	26.4	24.5	30.9	70	..	6.1	..	10.1	0	0	27	03	1	0	1	1	3	7	11	4	0
	1730	3	1005.8	1005.5	..	30.1	26.4	24.7	31.2	74	..	6.1	..	13.6	0	3	26	01	1	0	0	1	1	12	13	2	0
	2330	3	1008.3	1008.0	..	27.3	25.4	24.5	30.8	85	..	6.1	..	4.8	0	0	18	02	0	4	2	0	1	4	5	13	0
ALLEPPEY	0830	4	1008.7	1008.3	+0.1	28.4	26.3	25.4	32.5	84	+ 1	6.6	+0.1	7.5	0	0	30	01	10	7	7	0	2	1	2	1	0
	1730	4	1006.5	1006.1	+0.4	30.5	27.1	25.7	33.1	76	- 2	5.6	-0.8	20.7	0	25	6	00	1	0	0	0	0	6	24	0	0
PUNALUR	0830	34	1008.7	1004.9	+0.2	26.9	25.6	25.0	31.8	88	- 3	6.6	+1.2	0.1	0	0	1	00	0	0	0	0	0	0	1	30	0
	1730	34	1005.9	1002.1	-0.1	29.4	25.9	24.7	31.1	76	- 1	7.8	+1.6	2.0	0	0	14	01	0	1	1	0	4	6	1	17	0
TRIVANDRUM	0230	64	1006.9	999.6	..	26.1	25.0	24.5	30.7	91	..	5.1	..	3.0	0	0	13	02	0	0	0	0	1	1	9	18	0
	0530	64	1006.9	999.6	..	25.7	24.8	24.4	30.6	93	..	5.9	..	4.8	0	0	24	08	5	0	0	0	1	2	8	7	0
	0830	64	1008.7	1001.4	-0.4	28.1	25.7	24.7	31.2	82	- 2	6.5	+1.1	4.2	0	0	23	07	4	0	0	0	0	2	10	8	0
	1130	64	1008.4	1001.2	..	30.3	26.1	24.3	30.4	72	..	6.9	..	9.6	0	2	28	02	0	0	0	2	2	9	15	1	0
	1430	64	1006.2	999.0	..	30.8	26.4	24.5	30.7	70	..	6.8	..	11.6	0	2	29	00	0	0	0	0	1	7	23	0	0
	1730	64	1005.9	998.7	-0.5	28.8	25.8	24.5	30.8	79	+ 2	7.3	+1.3	9.7	0	2	27	02	1	1	0	0	1	6	18	2	0
	2030	64	1008.0	1000.7	..	27.3	25.3	24.4	30.8	85	..	6.0	..	5.0	0	0	20	07	0	0	0	0	0	3	10	11	0
	2330	64	1008.5	1001.2	..	26.7	25.3	24.7	31.1	89	..	6.0	..	7.0	0	0	25	08	2	3	0	0	0	2	10	6	0
TRIVANDRUM AERODROME	0830	8	1009.1	1008.2	+0.4	28.9	25.7	24.3	30.4	77	- 5	6.5	+0.6	16.3	0	8	23	17	4	1	0	0	0	2	7	0	0
ARABIAN SEA ISLANDS																											
AMINI	0530	4	1006.7	1006.3	..	28.8	25.9	24.6	31.1	78	..	4.5	..	20.3	0	16	14	03	0	0	0	0	1	11	15	1	0
	0830	4	1008.6	1008.2	-0.3	29.6	26.2	24.8	31.3	76	+ 1	5.0	+0.1	19.4	0	14	17	06	2	0	0	0	1	10	12	0	0
	1130	4	1008.7	1008.3	..	31.4	26.7	24.7	31.2	68	..	5.3	..	20.4	0	16	15	06	0	0	0	0	1	11	13	0	0
	1730	4	1005.9	1005.5	..	30.9	26.7	25.0	31.7	71	..	5.7	..	23.9	0	19	12	05	0	0	0	0	0	11	15	0	0
	2330	4	1008.2	1007.8	..	29.5	26.2	24.8	31.4	76	..	4.2	..	21.4	0	20	9	02	0	0	0	0	1	10	16	2	0
AGATTI	0830	4	1009.0	1008.5	..	29.5	26.5	25.2	32.1	78	..	6.2	..	9.9	0	4	27	07	1	0	0	0	1	4	18	0	0
	1730	4	1006.4	1005.9	..	30.3	26.9	25.5	32.6	76	..	5.8	..	15.0	0	8	23	03	0	0	0	0	0	7	21	0	0
ANDROTH	0830	5	1008.0	1007.5	..	29.5	26.7	25.4	32.5	79	..	7.0	..	3.8	0	0	27	04	1	0	0	1	0	7	8	4	6
	1730	5	1005.7	1005.2	..	31.1	27.3	25.7	33.1	74	..	6.3	..	3.9	0	0	31	05	0	0	0	0	0	9	10	0	7
MINICOY	0530	2	1007.6	1007.4	..	27.8	25.4	24.3	30.4	81	..	5.6	..	10.3	0	4	23	07	1	0	0	0	0	8	11	4	0
	0830	2	1009.2	1009.0	-0.2	29.2	26.1	24.8	30.4	77	+ 0	6.0	+0.5	30.2	1	4	23	05	0	0	0	0	0	8	15	3	0
	1130	2	1009.5	1009.3	..	30.3	26.8	25.4	32.4	75	..	6.3	..	9.5	0	2	28	07	0	0	0	0	1	7	15	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in ppm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ARABIAN SEA ISLANDS (CONTD.)																											
MINICOY	1430	2	1007.7	1007.5	..	29.9	26.4	24.9	31.6	75	..	6.5	..	12.6	0	5	24	04	0	0	0	0	0	7	18	2	0
	1730	2	1007.0	1006.8	+0.1	29.4	26.2	24.8	31.3	77	+ 0	6.6	+0.6	11.7	0	5	23	02	0	0	0	0	0	9	17	3	0
	2030	2	1008.5	1008.3	..	28.6	25.7	24.5	30.7	79	..	5.0	..	12.3	0	7	21	03	0	0	0	0	0	9	16	3	0
	2330	2	1009.2	1009.0	..	28.3	25.6	24.5	30.7	80	..	5.0	..	15.1	0	11	16	03	1	0	0	0	0	11	12	4	0
HILL STATIONS(EXCLUDING KASHMIR)																											
DALHOUSIE	0830	1959	1426.9	798.9	+1.4	17.4	15.5	14.5	17.1	85	+26	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1959	1423.4	798.5	+1.2	19.8	16.6	14.5	17.0	75	+21	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
DHARMASALA	0830	1211	1511.0	880.1	+0.9	24.0	15.9	10.0	12.4	42	+ 5	3.4	+1.2	1.7	0	0	19	00	14	3	1	0	0	0	1	12	0
	1730	1211	1495.9	878.5	+0.6	27.0	17.2	10.2	12.7	36	+ 5	4.4	+1.6	3.2	0	0	31	02	4	0	1	1	18	3	2	0	0
BHUNTAR	0830	1096	1488.6	890.2	..	17.5	13.9	11.1	15.2	81	..	3.1	..	24.2	1	0	26	11	5	7	2	0	0	0	2	4	0
	1130	1096	1479.5	888.6	..	23.5	16.3	11.1	13.4	48	..	3.5	..	7.4	0	0	29	05	2	5	6	9	0	1	1	2	0
	1730	1096	1460.1	886.2	..	25.4	16.6	10.3	12.7	43	..	4.4	..	13.5	0	8	20	05	0	1	3	10	1	1	7	3	0
SIMLA	0830	2202	1468.1	780.9	+0.4	17.8	11.0	5.1	9.0	45	+11	1.9	-0.1	1.9	0	0	28	00	5	0	10	0	11	0	2	3	0
	1730	2202	1455.0	779.8	+0.4	18.7	12.4	7.3	10.5	52	+17	4.3	+1.1	1.9	0	0	29	01	3	0	8	2	10	0	5	2	0
GHANGARIA (KANJALIA TOK)	0830		(R)																								
BADRINATH	0830		(R)																								
JOSHIMATH	0830		..	..	..	18.0	15.2	13.4	16.0	75	+35	2.1	+0.3	4.1	0	0	26	00	0	23	0	2	1	0	0	5	0
	1730		..	..	..	22.0	18.6	16.7	19.8	72	+37	3.7	-1.5	3.8	0	0	24	03	2	13	0	2	0	4	0	7	0
MUSSOORIE	0830	2042	1462.2	795.0	-1.1	18.4	13.3	9.4	12.1	59	+13	2.7	+0.6	0.5	0	0	7	01	2	0	2	2	0	0	0	24	0
	1730	2042	1443.1	793.5	-1.4	19.5	14.5	11.1	13.6	62	+19	4.5	+0.8	1.5	0	0	18	04	3	0	5	5	0	0	1	13	0
MUKTESWAR(KUMAON)	0830	2311	3140.2	772.5	+1.1	16.4	10.3	4.3	8.7	50	+ 7	2.4	+0.7	11.0	0	3	27	00	3	6	2	0	4	9	6	1	0
	1730	2311	3126.5	770.6	+1.3	18.7	12.0	6.1	9.9	49	+ 6	3.7	+0.8	15.9	0	12	19	00	2	3	2	1	5	13	5	0	0
NAINITAL	0830	1953	1463.4	803.3	+0.7	18.5	12.2	7.0	10.3	51	+ 8	2.2	+0.4	3.9	0	0	23	04	0	11	2	3	0	3	0	8	0
	1730	1953	1449.0	802.4	+1.5	19.4	13.0	7.8	11.0	51	+10	2.6	+0.8	6.6	0	0	29	05	0	1	1	4	0	18	0	2	0
KALIMPONG	0830	1209	1529.3	882.1	+5.4	24.7	18.7	15.1	17.3	56	-26	3.5	-0.3	5.5	0	0	31	00	2	0	4	0	0	0	25	0	0
	1730	1209	1502.3	879.1	+5.2	25.2	19.0	15.4	17.6	55	-28	5.1	+0.9	5.9[a]	0	0	30	00	3	0	24	0	0	0	3	0	0
DARJEELING	0830	2128	1500.2	790.6	+0.9	17.7	15.4	14.0	16.2	80	- 2	5.9	+0.0	0.1	0	0	1	00	0	0	0	0	1	0	0	30	0
	1730	2128	1476.1	788.2	+1.0	16.4	14.8	13.9	16.0	85	+ 4	6.3	-0.1	2.2	0	1	8	00	0	0	0	0	8	0	0	22	1
KOHIMA	0830		(R)																								
	1730		(R)																								
SHILLONG(C.S.O.)	0830	1598	1485.5	839.3	+2.5	20.9	17.2	15.2	17.4	70	+ 2	4.3	-1.2	4.6	0	0	30	02	1	5	1	5	4	6	6	1	0
	1730	1598	1459.0	836.6	+2.8	19.5	17.5	16.3	18.8	83	+ 8	4.7	-1.0	2.7	0	0	24	00	0	5	2	4	6	3	4	7	0
CHERRAPUNJI	0830	1313	1482.8	866.9	+0.2	21.4	18.6	16.9	19.4	77	- 7	2.3	-2.7	16.1	0	11	20	00	13	0	1	0	17	0	0	0	0
	1730	1313	1425.3	865.5	+1.6	19.9	17.6	16.2	19.1	80	- 8	2.7	-2.5	25.0	1	1	29	01	6	0	3	0	20	0	1	0	0
ABU	0830	1195	1517.6	881.7	+3.2	25.0	15.9	8.7	11.4	35	- 1	0.0	-0.7	0.9	0	0	7	00	0	0	0	0	4	3	0	24	0
	1730	1195	1483.1	878.3	+1.4	29.8	16.9	5.7	9.6	24	- 6	0.0	-1.1	2.3	0	0	13	00	0	0	0	1	8	4	0	18	0
AIJAL	0830		..	..	..	25.1	23.9	23.3	28.9	91	+11	2.1	-2.1	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	24.7	23.8	23.4	29.1	93	+14	2.4	-1.5	..	.	..	..	..	..	..	..	..	..	..	..	..	..
PACHMARHI	0830	1075	1490.2	890.9	-0.2	29.2	17.2	7.1	11.0	28	- 5	1.7	-1.3	3.9	0	0	27	02	4	3	0	1	2	5	10	4	0
	1730	1075	1466.2	887.7	-0.4	33.6	17.3	2.9	7.5	16	- 7	3.7	-0.4	5.0	0	0	29	01	3	1	0	0	2	2	20	2	0
MAHABALESHWAR	0830	1382	1496.5	861.5	-0.3	22.1	17.1	13.2	15.2	62	+ 3	2.7	-0.7	11.8	0	0	31	00	13	0	0	0	1	0	17	0	0
	1730	1382	1483.9	860.1	+0.3	27.1	20.9	17.5	20.0	57	-10	2.8	-0.4	11.0	0	0	31	00	6	0	0	0	2	0	23	0	0
MERCARA	0830	1152	1502.5	885.3	+0.7	21.4	19.9	19.0	22.1	87	- 1	6.4	+1.7	16.0	0	12	17	02	4	0	0	0	0	14	8	2	1
	1730	1152	1479.5	882.6	+0.0	24.6	21.4	19.9	23.3	76	- 4	6.5	+1.5	14.8	0	5	26	00	0	0	0	0	1	19	11	0	0
OOTACAMUND	0830	2248	1505.9	780.8	+1.6	16.6	13.4	11.4	13.6	70	- 6	4.8	+0.7	1.4	0	0	14	02	0	4	0	0	2	6	0	17	0
	1730	2249	1471.3	777.7	+0.2	18.1	15.3	13.7	15.7	76	+ 1	5.2	-0.4	0.8	0	0	8	02	0	0	0	0	1	5	0	23	0
COONOOR	0830		..	..	..	22.4	16.9	13.4	15.7	58	- 4	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
KODAIKANAL	0830	2343	3156.2	771.0	+0.0	16.9	13.3	10.6	13.1	68	+ 1	6.4	+2.1	7.3	0	0	29	08	6	0	3	0	0	0	12	2	0
	1130	2343	3166.3	771.2	..	19.8	15.0	11.8	14.0	61	..	6.6	..	8.4	0	0	31	07	4	3	2	1	0	1	13	0	0
	1730	2343	3138.1	769.3	+0.0	17.1	15.1	13.8	15.9	82	+ 0	7.3	+1.0	7.2	0	1	30	09	4	1	2	1	0	2	12	0	0
MANALI	0830	6690	..	..	..	12.0	8.8	5.7	9.3	67	..	2.4	..	3.6[a]	0	1	16	03	8	1	2	0	0	0	3	14	0
	1730	6690	..	..	..	19.0	13.5	9.6	12.2	57	..	4.4	..	5.1	0	0	25	02	6	0	9	4	1	0	3	5	0
NEPAL																											
KATMANDU	0830	1324	1481.6	865.8	+0.1	21.1	17.4	15.1	17.3	70	+ 7	4.1	+1.1	0.5	0	0	7	01	0	1	2	1	0	2	0	24	0
	1130	1324	1476.1	865.0	..	26.9	18.9	13.9	16.1	47	..	4.3	..	2.3	0	0	22	02	1	4	2	3	0	5	5	9	0
	1730	1324	1448.1	862.3	-0.5	24.6	18.6	15.0	17.3	57	+ 2	5.1	+0.7	2.9	0	0	19	04	2	1	2	1	4	4	1	12	0
SIKKIM																											
LACHEN	0830		(R)																								
HYDROMETEOROLOGICAL OBSERVATORIES																											
DAMODAR CATCHMENT																											
TILAIYA	0830		..	..	..	29.6	24.0	21.2	25.4	63	..	1.8	..	7.2	0	1	24	00	0	10	4	0	0	9	2	6	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - MAY ,1969VAISAKHA 11 - JYAISTHA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lic. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
DAMODAR CATCHMENT.(CONTD.)																											
TILAIYA	1730		..	..	..	32.4	23.9	19.4	22.9	51	..	2.6	..	6.9	0	2	20	00	0	12	1	0	0	4	5	9	0
	0830	615	1004.1	937.3	..	28.2	23.2	20.7	24.9	67	..	1.3	..	5.9	0	1	21	00	0	3	7	3	6	2	1	9	0
HAZARIBAGH	1730	615	1000.6	934.3	..	30.7	24.8	22.6	27.6	63	..	3.5	..	5.8	0	0	22	00	1	9	3	0	4	3	2	9	0
	0830		(R)																								
KONAR	1730		(R)																								
BOKARO	0830	242	1004.0	977.4	..	30.8	26.5	24.8	31.3	71	..	2.8	..	..	.	..	..	00	0	0	0	0	0	0	0	30	0
	1730	242	1000.0	973.7	..	34.3	27.8	25.1	32.0	61	..	3.2	..	..	.	..	..	00	0	0	0	0	0	0	0	26	0
MAITHON	0830		..	..	..	32.5	24.5	20.3	24.1	49	..	2.5	..	..	.	..	..	00	5	0	23	0	3	0	0	0	0
	1730		..	..	..	33.7	24.9	20.5	24.3	48	..	3.5	..	..	.	..	..	00	5	0	22	0	4	0	0	0	0
RAMGARH	0830		..	..	..	29.9	25.1	22.9	28.2	67	..	2.3	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
	1730		..	..	..	31.7	25.2	22.1	26.9	59	..	2.8	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
PANCHET HILLS	0830		..	..	..	29.8	25.1	23.0	28.2	67	..	1.4	..	2.6	0	0	27	00	5	0	13	0	7	1	1	3	0
	1730		..	..	..	32.6	24.1	19.8	23.3	50	..	2.8	..	2.7	0	0	23	00	3	0	10	0	9	1	0	0	0
DURGAPUR	0830		..	..	..	29.9	25.3	23.1	28.5	68	..	.	..	..	.	..	..	00	4	4	4	16	2	0	0	1	0
	1730		..	..	..	32.2	25.3	22.2	26.8	57	..	.	..	..	.	..	..	01	0	3	12	11	3	1	0	0	0
MAHANADI CATCHMENT																											
GINABAHAR	0830		..	..	..	29.9	23.8	21.0	25.1	60	..	1.5	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HIRAKUD	0830	159	1004.8	987.5	..	31.0	25.1	22.4	27.2	61	..	1.6	..	1.6	0	0	13	00	0	2	8	1	0	0	0	18	2
	1130	159	1004.0	986.5	..	34.4	26.0	22.1	26.6	49	..	1.6	..	1.2	0	0	14	01	0	0	2	6	1	3	0	17	1
	1730	159	999.3	982.3	..	36.7	25.6	20.0	23.6	39	..	3.0	..	0.6	0	0	7	00	0	2	3	0	0	0	1	24	1
BHIMKUND	0830		(R)																								
	1730		(R)																								
SONEPUR	0830		..	..	..	30.8	26.4	24.6	31.2	69	..	1.7	..	5.7	0	0	28	01	0	17	7	1	0	2	0	3	0
KHIJRAWAN	0830		..	..	..	30.8	24.6	21.3	26.0	60	..	2.7	..	8.2	0	0	31	00	2	6	3	0	8	8	4	0	0
	1730		..	..	..	35.4	24.6	19.1	22.4	41	..	4.4	..	10.7	0	5	26	04	4	5	1	0	3	5	9	0	0
NARMADA CATCHMENT																											
BAGRA TAWA	0830		..	..	..	33.6	20.3	9.9	13.3	26	..	0.7	..	12.6	0	3	25	00	3	0	1	3	11	8	2	3	0
	1730		..	..	..	40.2	20.7	3.8	8.5	12	..	2.0	..	15.2	0	3	28	04	2	3	3	1	3	4	11	0	0
PUNASA	0830		..	..	..	33.0	21.9	15.3	18.0	36	..	.	..	7.9	0	2	29	04	6	0	0	1	0	18	2	0	0
	1730		..	..	..	40.9	24.2	14.2	16.8	23	..	.	..	7.4	0	2	29	05	4	0	0	0	1	17	4	0	0
THIKRI	0830		..	..	..	34.7	24.1	13.2	21.4	40	..	0.7	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SABARMATI CATCHMENT																											
DAROI	0830		..	..	..	29.8	22.0	17.3	19.7	49	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	39.9	23.6	12.9	14.9	22	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
JHAROL	0830		..	..	..	30.9	22.3	17.0	20.0	45	..	0.0	..	5.3	0	0	14	03	0	0	0	1	0	10	0	13	0
GANDAK CATCHMENT																											
JAMOSOM	0830		..	..	..	14.9	10.2	6.6	9.9	60	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	16.3	11.4	9.1	11.0	60	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KHUDI BAZAR	0830		..	..	..	24.4	18.7	15.2	17.6	58	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	26.8	20.3	16.7	19.3	56	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TIMURE	0830		..	..	..	21.0	13.9	8.5	11.4	46	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	22.4	15.4	10.6	13.0	49	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
POKHARA	0830		..	..	..	24.4	19.6	16.9	19.4	65	..	3.7	..	4.3	0	0	28	02	1	1	8	6	4	2	4	3	0
	1130		..	..	..	28.0	20.8	16.7	19.3	52	..	3.7	..	7.4	0	0	30	00	0	4	13	8	3	1	1	1	0
	1730		..	..	..	27.1	19.9	15.6	18.1	52	..	5.0	..	3.4	0	0	24	04	1	3	7	3	0	1	5	7	0
GORKHA	0830		..	..	..	23.5	18.8	16.1	18.6	66	..	3.3	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1130		..	..	..	26.9	19.9	15.8	18.3	54	..	3.6	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730		..	..	..	26.2	18.9	14.3	16.7	51	..	4.5	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
NUWAKOT	0830		..	..	..	24.4	19.4	16.5	19.0	63	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	27.2	19.0	13.7	15.7	46	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																											
DAILEKH	0830		(R)																								
	1730		(R)																								
GHAGHARA CATCHMENT																											
SALLYANA	0830		(R)																								
	1730		(R)																								
BUTWAL	0830		..	..	..	30.9	22.5	17.7	20.6	48	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	34.1	23.2	16.9	19.9	38	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – MAY 1969 VAISAKHA 11 – JYAISTHA 10, 1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAGHMATI CATCHMENT																											
KATMANDU	0830		SEE UNDER NEPAL																								
	1130																										
	1730																										
KOSI CATCHMENT																											
CHAUTARA	0830		(R)																								
	1730		(R)																								
WALUNGCHUNG GOLA	0830		..	..	..	10.9	7.9	5.2	9.1	69	..	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
	1730		..	..	..	9.5	8.3	7.3	10.4	86	..	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
TAPLETHUK	0830		..	..	..	20.6	17.0	14.6	17.0	70	..	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
	1730		..	..	..	21.9	17.8	15.1	17.5	67	..	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
BHUJPUR	0830		..	..	..	20.0	17.4	15.9	18.2	78	..	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
	1730		..	..	..	19.2	16.8	15.3	17.8	79	..	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
TAPLEJUNG	0830		..	..	..	18.7	15.9	14.0	16.3	75	..	4.9	..	1.6[a]	0	0	16	01	1	0	0	1	0	2	11	14	0
	1130		..	..	..	21.3	16.8	14.1	16.4	65	..	4.5	..	5.7	0	0	28	03	2	2	2	5	0	5	9	3	0
	1730		..	..	..	19.6	16.1	14.0	16.3	71	..	6.2	..	6.4[a]	0	3	17	00	2	2	5	9	0	1	1	10	0
TIKHALDHUNGA	0830		..	..	..	19.5	16.2	14.3	16.5	73	..	4.9	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1130		..	..	..	21.9	17.1	14.2	16.6	63	..	5.4	..	1.2	0	1	2	00	0	0	0	0	1	1	1	28	0
	1730		..	..	..	18.9	15.8	13.9	16.1	74	..	6.5	..	3.7	0	0	11	00	0	0	1	0	3	6	1	20	0
CHAINPUR	0830		..	..	..	22.2	18.9	16.9	19.5	72	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	21.9	18.0	15.6	18.0	68	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BARAHAKSHETRA	0830	146	1006.6	990.2	..	28.1	23.2	20.6	24.7	65	..	3.4	..	2.8[a]	0	0	19	00	2	2	1	2	6	5	1	11	0
	1130	146	1005.4	989.2	..	31.2	24.6	21.4	25.8	57	..	3.7	..	4.5	0	0	25	00	1	1	0	0	12	11	0	6	0
	1730	146	1001.9	985.8	..	30.8	24.3	21.0	25.3	57	..	3.4	..	1.9	0	0	17	01	0	1	2	1	1	9	1	14	1
TISTA CATCHMENT																											
GANGTUK	0830	1812	1487.8	818.7	..	17.4	15.6	14.4	16.8	83	..	5.4	..	3.1	0	0	23	08	6	0	1	3	0	1	4	8	0
	1130	1812	1478.0	818.2	..	21.0	17.6	15.7	18.1	73	..	5.8	..	5.0	0	0	29	00	1	1	1	16	9	1	0	2	0
	1730	1812	1456.3	815.8	..	18.7	16.7	15.5	17.9	82	..	7.4	..	4.7	0	1	24	04	5	1	1	12	1	1	0	6	0
GEZING	0830		..	..	..	18.9	17.0	15.7	18.4	83	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	20.5	17.8	16.2	18.7	78	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

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GOVERNMENT OF INDIA

मौसम विज्ञान विभाग

METEOROLOGICAL DEPARTMENT

भारतीय मौसम पुनरीक्षण

INDIA WEATHER REVIEW

1969

मासिक मौसम रिपोर्ट

MONTHLY WEATHER REPORT

जून

JUNE

भारत सरकार के प्राधिकार द्वारा वेधशालाओं के महानिदेशक के निदेशाधीन प्रकाशित
Published by the Authority of the Government of India Under the Direction of the Director General of Observatories

मौसम कार्यालय, पूना में रोटाप्रिंट पर मुद्रित : प्रकाशनों के प्रबंधक, दिल्ली द्वारा प्रकाशित
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INDIA WEATHER REVIEW, 1969

Monthly Weather Report

JUNE

MONTHLY WEATHER REPORT

FOR

June 1969

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MEANINGS OF SYMBOLS AND ABBREVIATIONS IN TABLES II & III

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

INDIA WEATHER REVIEW, 1969
Monthly Weather Report
JUNE

Published by the Authority of the Government of India

Chief features :-

1. Advance of the southwest monsoon into south Gujarat State, Maharashtra State and northeast India by 7th June with no further advance during the rest of the month and the consequent delay in its advance into Uttar Pradesh and Madhya Pradesh.

2. Active monsoon conditions along the west coast on a few days during the last 10 days of the month.

3. Movement of three western disturbances across Northwest India, and

4. Markedly above normal daily maximum temperatures in Madhya Pradesh and the adjoining parts of Rajasthan, Gujarat Region, Vidarbha, Bihar Plateau and Uttar Pradesh on many days in the second fortnight.

On 1st June, the northern limit of the southwest monsoon was passing through Karwar, Nellore and Cox's Bazar. A trough of low pressure lay in east central Arabian Sea off Mysore - south Maharashtra coasts on 1st. It extended northwards to south Gujarat coast and caused the advance of the monsoon into south Konkan and south Madhya Maharashtra on 2nd. The trough became well marked on 3rd and was extending into the lower and middle tropospheric levels. In this trough a depression formed in east central Arabian Sea off Saurashtra - north Maharashtra coasts on 5th morning, moved northeastwards, crossed Saurashtra coast near Diu on 6th and weakened into a low pressure area on 7th over Gujarat Region. It moved further northeastwards and weakened into a trough on 8th. This system caused the advance of the monsoon into the entire Maharashtra State, south Gujarat State and the rest of the central Arabian Sea. The monsoon was active in coastal Mysore and Konkan on 6th and in south Gujarat State on 7th and 8th.

A low pressure area with associated cyclonic circulation extending to the middle troposphere formed over northwest Bay and adjoining Orissa on 3rd. It moved north into Gangetic West Bengal and adjoining parts of Orissa and Bihar State, persisted there till 5th and then moved away northeastwards across East Pakistan and Assam by 8th evening. This system caused the advance of the monsoon into the rest of the Bay of Bengal and the entire northeast India. On 7th June, the northern limit of the monsoon was passing through Porbandar, Baroda, Nagpur, Jharsuguda and Motihari. The amounts of heavy rainfall associated with the monsoon in the areas where it had advanced upto 7th June were : On 1st 21 cm at Long Island, 19 cm at Maya Bandar and 6 cm at Honavar and Fort Cochin; On 2nd 11 cm at Tirupattur; On 3rd 7 cm at North Lakhimpur, On 4th 10 cm at North Lakhimpur, 8 cms at Golaghat 7 cm at Muzaffarpur, 6 cms at Ranchi and Bhubaneshwar; On 5th 12 cm at Darjeeling, 8 cms at Kalimpong, Purnea and Khonsa and 7 cms at Asansol and Baghdogra; On 6th, 16 cms at Balasore, 12 cms at Darjeeling,11 cm at Tangla, 10 cm at Chapra and Calicut, 9 cm at Sabour, 8 cms at Honavar, and 7 cm at Panjim (Goa) and Mangalore Airport and on 7th 11 cm at Baroda and Dahanu, 10 cm at Mangalore Airport 9 cm at Bhaunagar, 8 cm at Bagati and 7 cm at Goalpara, Asansol and Purnea. According to press reports, heavy rains in Saurashtra resulted in floods in some of the local rivers and disruption of rail traffic in Veraval - Porbandar - Jamnagar sections.

The southwest monsoon which had advanced into northeast India, Maharashtra State and south Gujarat by 7th June a few days ahead of the normal date, did not make any further advance into the country till the end of the month. The advance of the monsoon into Madhya Pradesh and Uttar Pradesh was consequently delayed by 10 to 15 days.

With the movement of the low pressure area over Gangetic West Bengal northeastwards across Assam by 8th evening, the eastern end of the seasonal trough upto about 1.0 kms a.s.l. shifted north towards the foot hills on 8th evening and remained there till 14th and was passing through Bihar Plains, Sub-Himalayan West Bengal and north Assam. In this trough a cyclonic circulation extending to 1.0 kms a.s.l. was embeded over Bihar Plains from 10th to 12th. With the trough lying over north Assam and the circulation over Bihar Plains causing incursion of strong southerlies from the Bay into Assam and Sub-Himalayan West Bengal, there was heavy rain in Assam and Sub-Himalayan West Bengal resulting in floods in those areas during this period. According to press reports, the rising Brahmaputra and its tributories flooded vast low lying areas in-

cluding jute and paddy fields in north Assam, disrupted road traffic and rendered many families homeless. The floods in the Teesta and two other north Bengal rivers breached roads, inundated vast areas and marooned thousands of people in Jalpaiguri and Cooch Behar districts. The amounts of heavy rainfall in the monsoon affected areas in the second week of June were : On 8th 9 cm at Silchar, 7 cm at Tura and Aijal; on 9th, 11 cm at Silchar and 7 cm at Agartala; On 10th a number of stations in the west coast, Sub-Himalayan West Bengal and Assam reported 5 to 6 cm; On 11th, 14 cm at Haflong, 9 cm at Mangalore Airport, 8 cm at Pasighat, 7 cm at Tura and Dhubri; On 12th 9 cm at Gohpur, 7 cm at Pasighat; On 13th 8cm at Bhira and 7 cm at Rangiya; On 14th 16 cm at Cooch Behar, 11 cm at Cuddapah, 7 cm at Goalpara; On 15th 12 cm at Mahbubnagar, 11 cm at Tura, 8 cm at Pasighat and Cooch Behar and 7 cm at Goalpara, Shillong and Bhira,

During the period 8th to 18th June, the monsoon was generally weak on most of the days alongthe west coast, Gujarat State, Orissa, Gangetic West Bengal and Bihar Plateau. There was however,isolated heavy rain in Rayalseema and Telangana on 14th and 15th. According to press reports, the heavy rains caused breaches in the rail track between Mahabubnagar and Dronachalam and disrupted rail traffic and telecommunications in that area on those 2 days.

A cyclonic circulation extending between 700 and 400 mb developed over the central Bay of Bengal on 15th. The circulation extended to the lower levels the next day and concentrated into a depression on 26th evening with centre near Lat. 15°N and Long. 88°E. It initially moved north and later northeast and crossed East Pakistan coast on the night of 19th and was centred near Aijal on the morning of 20th. Later it weakened into a low pressure area and merged into the seasonal trough over Assam which in turn became well marked between 21st and 23rd and caused heavy to very heavy rain in north and south Assam resulting in floods in many parts of Assam. According to press reports, the floods in the Brahmaputra, the Barak and other rivers inundated inhabited areas and vast areas of paddy fields and other standing crops in many parts of north Assam and in Cachar district and Manipur State in south Assam, damaged thousands of houses, paralysed road and rail communications and affected about 5 lakhs of people. During the same period, the floods in the north Bengal rivers inundated low lying areas of Jalpaiguri town and Haldibari area in Cooch Behar. The amounts of heavy rainfall in northeast India during the period 16th to 24th June were : On 16th 7 cm at Goalpara and Darbhanga, On 17th, 8 cm at Supaul; On 18th 11 cm at Darbhanga, and 8 cm at Supaul; On 19th 8 cm at Purnea, 7 cm at Cooch Behar and Gauhati; On 21st, 13 cm at Jalpaiguri 10 cm at Forbesganj; On 22nd 16 cm at Haflong, 11 cm at Silchar, 8 cm at Rangiya and Pasighat; On 23rd 10 cm at Majhat and Tangla; on 24th 11 cm at Rangiya. During the rest of the month, there was a general decrease in the spatial distribution and intensity of the rainfall in Assam. On the last day, however, Pasighat recorded 11 cm of rain and North Lakhimpur 8 cms.

A trough of low pressure formed in the east central Arabian Sea off Maharashtra coast on 19th. It slowly extended southwards and lay off Mysore - Kerala coast by 22nd. It became less marked on 23rd. A trough of low pressure again formed in east central Arabian Sea off Kerala - Mysore - Goa coasts on 24th. Became well marked on 25th, extended northwards off Maharashtra coast and remained well marked off the west coast during the rest of the month. From 25th, this trough extended into the lower and middle troposphere and was seen as a cyclonic circulation over Maharashtra and neighbourhood in the mid-troposphere on many days. Associated with these, the monsoon was active in the Konkan on 19th, 20th, 27th and 29th, in Madhya Maharashtra on 28th, in coastal Mysore on 20th, 27th, 28th and 29th and in Kerala on 23rd. The amounts of heavy rainfall along the west coast and the adjoining interior parts during this period were: On 19th, 14 cm at Ratnagiri, 10 cm at Santacruz and Harnai and 8 cms at Dahanu; on 20th 18 cm at Dahanu, 13 cm at Honavar, 12 cm at Devgarh, 9 cm at Santacruz, 8 cm at Mangalore Airport; On 21st 9 cm at Mangalore, 8 cm at Harnai; on 22nd 10 cm at Calicut, on 23rd 15 cm at Calicut, 9 cm at Punalur and Mangalore; On 24th 8 cm at Mangalore, 7 cm at Panjim (Goa); On 25th 8 cm at Devgarh; On 27th 18 cm at Panjim (Goa), 17 cm at Dabolim (Goa), 10 cm at Honavar, 9 cm at Devgarh and 8 cm at Mangalore; On 28th 9 cm at Honavar, 8 cm at Dahanu and Mangalore Airport, 7 cm at Ratnagiri, Malegaon and Karwar; On 29th, 19 cm at Dabolim (Goa), 15 cm at Santacruz, 14 cm at Devgarh, 12 cm at Honavar and 7 cm at Karwar; and on 30th 10 cm at Bhira,8cm at Poona (Lohagaon), Karwar and Palghat and 7 cm at Jalgaon.

A western disturbance lay as an upper air trough in the middle and upper troposphere along Long.65 E, north of 20°N on 2nd. It moved eastwards across extreme northwest India by 6th. In association with this and in association with the seasonal trough upto 1.0 km a.s.l. extending from northwest India to Gangetic West Bengal, scattered or isolated rain or thundershowers occurred in many parts of northwest India and in Uttar Pradesh upto 5th. The significant amounts of rainfall were : On 2nd 3 cm at Uttar Khasi and Dharmsala; on 3rd 4 cm at Askote; On 4th 7 cm at Mussoorie and 4 cm at Nainital and Quazigund;

on 5th 6 cm at Azamgarh, 5 cm at Gorakhpur and 2 cm at Jaipur.

The second western disturbance was lying as an upper air trough in the lower troposphere over Afghanistan on 10th. It moved across Jammu and Kashmir by 12th causing scattered light precipitation in Jammu and Kashmir by 12th causing scattered light precipitation in Jammu and Kashmir on 11th and 12th.

A trough in the middle troposphere extended from Punjab to Gujarat State on 13th and persisted in that area till 16th and became less marked on 17th. Under its influence, isolated light to moderate rain occurred in east Rajasthan and west Uttar Pradesh during this period. Jaipur recorded 4 cm of rain on 13th, Ganganagar 2 cm on 14th and Tonk 2 cm at Sikar 1 cm on 15th.

The seasonal low pressure area over West Pakistan became well marked on the evening of 20th & remained so for the next 2 days, causing scattered dust storms in Haryana, Punjab and Rajasthan on those days. According to press reports, the dust-storms in Barmer district dislocated rail traffic between Barmer and Jodhpur with sand covering the rail track at some places upto 3 feet deep.

The third western disturbance moved across extreme northwest India as an upper air trough in the middle and upper troposphere during the last 3 days of the month. It caused scattered light to moderate rain or thundershowers in the Western Himalayas and adjoining plains on those 3 days. The chief amounts of rainfall were : On 28th 3 cm at Roorkee, 2 cm at Mandi, Manali and Patiala, On 30th, 3 cm at Nainital and Simla and 2 cms at Mussoorie and Manali.

The daily maximum temperature was 4 - 5°C above normal (1) in north Assam and Sub-Himalayan West Bengal on the first two days; (2) in many parts of Madhya Pradesh and Uttar Pradesh between 7th and 19th; (3) in Madhya Pradesh, Uttar Pradesh, east Rajasthan and Vidarbha during the last 10 days, being 6 - 8° C above normal in most parts of Madhya Pradesh and the adjoining parts of east Rajasthan and Vidarbha; and (4) in Bihar Plateau, Orissa and the interior Parts of Gujarat and Maharashtra States on some days in the last week.

The rainfall was in moderate excess in Rayalaseema; in slight excess in North Assam, normal in Bay Islands, South Assam, Sub-Himalayan West Bengal, Bihar Plains, Konkan, Madhya Maharashtra, Marathwada, and coastal Mysore. It was in slight defect in Orissa,Telangana and Kerala, in moderate defect in Gangetic West Bengal, Bihar Plateau, East Uttar Pradesh, Jammu and Kashmir, East Madhya Pradesh, Gujarat, Saurashtra & Kutch, Vidarbha, Coastal Andhra Pradesh, Tamil Nadu, Interior Mysore and Arabian Sea Islands and in large defect over the rest of the country.

The mean maximum temperature was above normal in Uttar Pradesh, Rajasthan, Madhya Pradesh, Vidarbha and Tamil Nadu. It was normal over the rest of the country.

The mean minimum temperature was normal over the country.

The mean Relative Humidity in the morning was above normal in Himachal Pradesh, below normal in Haryana and normal over the rest of the country.

The mean Relative Humidity in the evening was above normal in Jammu and Kashmir, below normal in Haryana, Punjab, East Rajasthan, west Madhya Pradesh and Arabian Sea Islands and normal over the rest of the country.

The mean cloud amount in the morning was below normal in West Uttar Pradesh, Haryana, East Rajasthan and Gujarat and normal over the rest of the country.

The mean cloud amount in the evening was below normal in Punjab, West Rajasthan and Gujarat and normal over the rest of the country.

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

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

Pune 411005;

the 4th October 1969.

Y.P. RAO,

for Director General of Observatories

SG/

TABLE I - DIVISIONAL AND SUB-DIVISIONAL MEANS - JUNE ,1969(JYAISTHA 11 - ASADHA 9,1891 SAKA)

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1.ASSAM(INCLUDING.	540.0	111	31.1	23.7	86	82	6.6	6.0
NEFA,N.L.ETC) .	+ 54.9		+0.1	-0.2	+ 1	+ 2	-0.1	+0.2
2.WEST BENGAL .	274.0	81	34.2	26.0	80	75	5.8	6.1
.	- 64.3		+0.5	+0.1	0	0	-0.1	+0.2
3.ORISSA .	154.4	76	35.5	25.8	76	69	5.6	6.0
.	- 49.6		+0.5	-0.8	+ 2	+ 1	0.0	0.0
4.BIHAR .	157.2	83	35.7	25.9	73	66	5.0	5.5
.	- 32.3		-0.2	-0.5	+ 2	+ 5	-0.3	-0.1
5.UTTAR PRADESH .	51.7	49	39.8	27.2	60	42	2.8	3.0
.	- 52.8		+1.4	+0.2	0	- 2	-0.6	-0.3
6.HARYANA(INCLU. .	20.0	37	41.1	27.2	43	26	1.1	1.4
DELHI CHANDIGARH).	- 34.7		+0.9	+0.2	- 7	- 6	-0.7	-0.2
7.PUNJAB .	11.3	24	41.9	27.3	43	26	1.8	1.4
.	- 34.9		+0.9	+0.5	- 5	- 6	-0.1	-0.4
8.HIMACHAL .	41.2	48	38.3	23.1	62	42	2.1	2.7
PRADESH .	- 44.5		+0.9	+0.9	+ 7	+ 4	-0.4	-0.6
9.JAMMU AND .	25.4	52	28.4	10.3	51	42	2.3	3.9
KASHMIR .	- 23.6		+0.8	+1.0	- 4	+ 7	-0.4	+0.2
10.RAJASTHAN .	11.7	28	41.4	28.5	53	29	1.8	2.4
.	- 30.2		+1.3	+0.3	- 3	- 6	-0.3	-0.5
11.MADHYA PRADESH .	67.1	48	39.2	26.8	60	42	4.2	4.9
.	- 73.1		+1.9	+0.5	- 2	- 5	-0.3	-0.4
12.GUJARAT STATE .	58.9	70	36.3	27.3	77	57	3.7	3.1
(INCLU.DIU ETC).	- 25.2		+0.6	+0.2	0	- 1	-1.0	-0.9
13.MAHARASHTRA .	262.7	92	35.1	24.8	75	58	4.8	5.2
STATE(INCL.GOA).	- 24.4		+0.9	0.0	0	- 1	-0.5	-0.5
14.ANDHRA PRADESH .	90.0	84	36.4	26.1	69	54	5.6	5.8
.	- 17.1		+0.4	-0.3	+ 1	0	-0.1	-0.2
15.TAMILNADU .	27.7	72	36.6	26.1	63	56	4.7	5.8
(INCL.PONDICH.).	- 10.7		+1.5	+0.2	- 2	- 1	-0.6	-0.1
16.MYSORE .	259.3	86	30.9	22.2	82	65	6.5	6.6
.	- 41.5		+0.7	+0.2	0	- 2	+0.2	+0.1
17.KERALA .	448.7	79	30.0	23.6	90	82	6.8	6.9
.	-119.7		+0.5	-0.1	+ 1	0	+0.1	0.0

SUB-DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
SUB-DIVISION								
1.BAY ISLANDS .	461.3	101	30.3	24.2	86	86	6.5	6.5
.	+ 2.6		+0.6	-0.5	+ 2	0	+0.2	-0.2
2.NORTH ASSAM .	520.7	114	31.7	24.1	85	82	6.4	5.6
(INCLUDING NEFA) .	+ 64.0		+0.3	-0.1	0	+ 2	-0.2	0.0
3.SOUTH ASSAM .	581.5	107	29.9	23.1	86	83	7.0	6.6
(INCL.N.LAND ETC).	+ 35.5		-0.4	-0.1	+ 1	+ 2	+0.2	+0.3
4.SUB-HIMALAYAN .	654.7	109	31.8	24.5	87	79	6.5	5.8
WEST BENGAL .	+ 54.9		+0.2	-0.1	+ 3	+ 1	+0.2	+0.2
5.GANGETIC WEST- .	147.1	59	35.1	26.6	77	73	5.5	6.2
BENGAL .	-104.1		+0.7	+0.2	- 1	- 1	-0.2	+0.1
6.ORISSA .	154.4	76	35.5	25.8	76	69	5.6	6.0
.	- 49.6		+0.5	-0.8	+ 2	+ 1	0.0	0.0
7.BIHAR PLATEAU .	119.5	62	36.5	26.1	68	63	4.8	6.1
.	- 74.4		+0.4	-0.2	- 1	+ 2	-0.5	-0.4
8.BIHAR PLAINS .	184.6	99	35.0	25.7	77	67	5.2	5.0
.	- 1.7		-0.7	-0.8	+ 4	+ 5	0.0	+0.2
9.UTTAR PRADESH .	67.6	61	39.7	27.8	65	46	3.4	3.0
(EAST) .	- 43.8		+1.1	+0.2	+ 2	- 1	-0.4	-0.4
10.UTTAR PRADESH .	27.9	30	40.0	26.2	53	37	1.9	2.8
(WEST) .	- 66.2		+2.0	0.0	- 1	- 3	-0.8	-0.3
11.HARYANA(INCLU. .	20.0	37	41.1	27.2	43	26	1.1	1.4
DELHI CHANDIGARH).	- 34.7		+0.9	+0.2	- 7	- 6	-0.7	-0.2
12.PUNJAB .	11.3	24	41.9	27.3	43	26	1.8	1.4
.	- 34.9		+0.9	+0.5	- 5	- 6	-0.1	-0.4
13.HIMACHAL .	41.2	48	38.3	23.1	62	42	2.1	2.7
PRADESH .	- 44.5		+0.9	+0.9	+ 7	+ 4	-0.4	-0.6
14.JAMMU AND KASH- .	25.4	52	28.4	10.3	51	42	2.3	3.9
-MIR .	- 23.6		+0.8	+1.0	- 4	+ 7	-0.4	+0.2
15.RAJASTHAN(WEST).	4.7	19	42.0	28.6	57	28	1.6	1.6
.	- 20.2		+1.4	+0.4	- 2	- 5	-0.1	-0.4
16.RAJASTHAN(EAST).	17.5	31	41.0	28.5	50	30	2.0	3.1
.	- 38.2		+1.3	+0.3	- 4	- 7	-0.5	-0.4
17.MADHYA PRADESH .	49.9	41	39.5	26.8	60	39	4.1	4.4
(WEST) .	- 72.8		+2.1	+0.5	- 3	- 6	-0.2	-0.6
SUB-DIVISION(CONTD)								
18.MADHYA PRADESH .	89.9	55	38.8	26.9	60	45	4.3	5.7
(EAST) .	- 73.7		+1.7	+0.5	0	- 4	-0.5	0.0
19.GUJARAT REGION .	72.7	72	37.5	27.2	76	47	3.6	2.3
(INCL.DAMAN ETC).	- 27.7		+0.6	+0.5	0	- 3	-1.2	-1.3
20.SAURASHTRAKUTCH.	49.3	68	35.4	27.4	78	64	3.9	3.6
(INCLUDING DIU) .	- 23.6		+0.6	0.0	+ 1	0	-0.7	-0.7
21.KONKAN .	631.9	97	31.3	25.3	87	80	6.1	5.7
(INCLUDING GOA).	- 20.5		+0.6	-0.1	+ 3	0	-0.1	-0.3
22.MADHYA- .	109.8	106	34.8	23.4	77	58	4.1	4.9
-MAHARASHTRA .	+ 6.0		+0.6	-0.1	+ 3	+ 3	-0.9	-0.5
23.MARATHWADA .	130.8	90	36.1	23.1	71	47	4.8	6.0
.	- 15.3		+0.7	-0.5	- 3	- 3	0.0	+0.1
24.VIDARBHA .	107.3	62	38.8	26.4	63	43	4.4	5.0
.	- 65.4		+1.5	+0.2	- 3	- 4	-0.6	-0.6
25.COASTAL ANDHRA .	68.3	68	36.5	26.7	71	58	5.5	5.4
-PRADESH .	- 32.8		+0.2	-0.7	+ 1	- 2	+0.2	-0.5
26.TELANGANA .	122.7	88	36.7	25.9	68	51	5.9	6.1
.	- 17.0		+0.4	-0.3	+ 1	+ 2	+0.4	+0.2
27.RAYALASEEMA .	81.5	129	35.7	25.1	68	49	5.5	6.3
.	+ 18.1		+0.9	+0.3	+ 1	+ 1	-0.4	0.0
28.TAMILNADU .	27.7	72	36.6	26.1	63	56	4.7	5.8
(INCL.PONDICH.).	- 10.7		+1.5	+0.2	- 2	- 1	-0.6	-0.1
29.COASTAL MYSORE .	926.7	93	29.9	24.1	90	82	7.2	7.1
.	- 66.0		+0.6	+0.1	+ 1	- 3	+0.2	0.0
30.INTERIOR MYSORE.	79.4	69	33.0	22.8	79	61	6.6	6.9
(NORTH) .	- 35.7		+1.0	+0.5	0	+ 1	+0.9	+0.8
31.INTERIOR MYSORE.	83.1	71	29.7	20.8	80	60	5.9	6.0
(SOUTH) .	- 34.2		+0.6	+0.1	- 1	- 5	-0.5	-0.5
32.KERALA .	448.7	79	30.0	23.6	90	82	6.8	6.9
.	-119.7		+0.5	-0.1	+ 1	0	+0.1	0.0
33.ARABIAN SEA- .	193.4	56	30.8	25.9	79	74	6.2	6.2
ISLANDS .	-151.5		+0.7	+0.3	- 2	- 6	-0.5	-0.9

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

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JUNE 1969 (JAISTHA 11 - ASADHA 9-1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
BAY ISLANDS																												
MAYA BANDAR	30.0	+0.6	32.0	13	24.2	-0.2	22.2	01	153.8	655.4	+ 75.0	180.8	01	24	+ 2.6	18.2	14.6	+2.4	0	24	0	0	4	0	0	0	0	0
LONG ISLAND	31.0	+0.7	34.0	12	24.6	-0.1	21.8	01	123.8	641.2	+121.0	210.6	01	21	+ 1.1	8.3	6.5	+3.1	0	21	0	0	4	0	0	0	0	0
PORT BLAIR	29.8	+0.7	31.7	13	24.4	+0.2	22.7	14	178.7	494.5	- 74.0	64.2	24	21	- 0.2	26.0	20.2	+0.4	1	24	0	0	8	0	0	0	0	0
CAR NICOBAR	31.0	+0.8	33.0	10	24.5	-0.4	22.5	30	139.5	236.5	-160.3	77.5	30	12	- 5.8	8.2	6.1	+0.3	1	15	0	0	1	0	0	0	0	0
NAN COWRY	30.3	+0.9	31.7	11	24.6	-0.6	22.9	28	161.4	328.6	+ 32.5	57.8	28	18	+ 2.0	12.0	11.2	-0.6	0	22	0	0	0	0	0	0	0	0
KONDUL	29.5	0.0	30.7	23	23.1	-1.9	21.0	03	341.9	411.8	+ 21.4	64.1	12	20	+ 2.1	8.7	9.0	-1.1	0	21	0	0	0	0	0	0	0	0
HUT BAY/LITTLE ANDAMAN	31.3	..	33.4	12	28.1	..	24.9	16	98.6	253.0	..	45.2	03	21	..	11.0	8.5	..	1	25	0	0	1	0	0	0	0	0
NORTH ASSAM (INCLUDING NEFA)																												
PASIGHAT	30.6	-0.1	36.6	03	23.5	+0.2	19.8	12	267.6	726.2	- 85.6	105.5	30	18	- 0.9	5.3	6.1	+0.7	1	23	0	0	5	0	0	0	0	0
DIBRUGARH (MOHANBARI)	31.2	+0.3	36.3	02	23.7	-0.3	16.5	20	60.7	266.8	-199.7	39.1	22	19	+ 0.9	7.2	5.5	+1.3	0	21	0	0	10	0	0	0	0	0
DIGBOI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
NORTH LAKHIMPUR	31.2	+1.1	36.1	02	23.3	-0.7	20.2	11	90.8	712.4	+100.4	101.4	04	23	+ 2.6	9.8	5.1	..	0	26	0	0	12	0	0	0	0	0
SIBSAGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GOHPUR	31.6	-0.7	37.6	01	24.4	+0.5	22.4	11	89.4	607.5	+337.8	90.2	03	22	+10.3	9.8	4.4	..	0	23	0	0	0	0	0	0	0	0
MAJBAT	31.4	..	37.0	03	24.0	..	21.4	11	107.7	594.9	+ 98.2	100.0	23	16	- 0.7	4.3	3.9	+0.1	0	16	0	0	0	0	0	0	0	0
JORHAT AERODROME	32.5	..	37.1	02	24.7	..	22.2	11	33.7	261.2	..	47.0	19	16	..	..	..	..	0	20	0	0	12	0	0	0	0	0
TANGLA	31.8	-0.1	36.8	02	25.2	+0.9	22.6	11	91.3	593.2	+ 71.1	112.2	06	18	+ 3.2	3.9	3.6	+1.6	0	18	0	0	0	0	0	0	0	0
TEZPUR	32.6	+1.0	36.5	03	24.3	-0.4	22.8	11	107.0	501.1	+196.8	59.8	10	21	+ 4.7	2.7	2.0	-0.8	0	21	0	0	0	0	0	0	0	0
GOLAGHAT	32.5	+0.7	38.1	02	23.1	-0.9	20.9	11	50.0	269.8	+ 52.5	79.2	04	11	- 3.7	3.7	3.5	..	4	17	0	0	0	0	0	0	0	0
RANGIA	31.9	-0.1	38.8	30	24.8	+1.1	22.1	12	113.6	488.1	- 8.1	101.6	24	16	+ 3.2	7.6	5.1	..	0	19	0	0	0	0	0	0	0	0
CHAPARMUKH	32.9	+0.8	38.5	03	25.7	+0.9	23.1	05	26.4	268.0	- 47.3	70.6	09	12	- 3.4	3.8	3.5	..	0	18	0	0	2	0	0	0	0	0
GOALPARA	31.8	+0.5	36.6	01	21.6	-2.4	19.4	10	139.3	510.1	- 21.3	72.1	07	19	0.0	4.6	3.0	+0.2	0	21	0	0	0	0	0	0	0	0
GAUHATI (BHORJOR)	31.6	+0.4	36.6	01	24.4	-0.5	22.9	15	181.8	426.2	+ 60.8	68.5	19	21	+ 4.7	6.8	4.3	..	0	23	0	0	17	0	0	0	2	0
DHUBRI (RUPSI)	31.1	-0.3	36.3	01	24.3	0.0	22.0	14	237.1	800.6	+237.8	106.9	14	20	+ 5.3	8.5	6.8	+2.4	0	22	0	0	22	0	0	0	0	0
DHUBRI	30.4	+0.6	35.6	02	24.0	-0.6	21.8	24	..	656.2	+ 13.8	115.0	24	18	- 0.1	.	8.1	+1.3	0	20	0	0	8	0	0	0	0	0
LUMDING	33.2	+0.7	37.8	02	24.6	+0.4	21.8	11	71.2	389.1	+152.1	66.6	21	13	- 0.6	5.4	3.7	..	0	23	0	0	0	0	0	0	0	0
BORDILLA	17.6	..	19.8	06	11.4	..	9.1	09	56.6	302.6	..	76.4	08	14	..	..	..	..	0	17	0	0	0	20	0	0	0	0
TAWANG	17.2	..	18.9	10	10.6	..	8.9	02	32.9	74.9	..	23.0	12	7	..	..	..	..	0	7	0	0	0	0	0	0	0	0
TEZU	32.1	..	37.5	03	23.3	..	21.6	12	101.8	322.3	..	46.8	22	17	..	..	..	..	0	18	0	0	0	0	0	0	0	0
ALONG	31.5	..	39.2	03	22.6	..	19.7	11	112.9	469.7	..	95.1	23	21	..	..	..	..	0	22	0	0	0	0	0	0	0	0
ZIRO	24.7	..	30.4	02	16.2	..	12.9	01	129.2	355.3	..	84.1	09	18	..	12.6	7.7	..	0	24	0	0	3	2	0	0	0	0
KHONSA	29.6	..	31.8	06	20.5	..	19.1	01	414.6	795.8	..	97.4	14	25	..	..	..	..	0	25	0	0	0	0	0	0	0	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																												
TURA	29.6	+0.3	32.4	01	23.6	+0.9	20.6	10	352.4	889.6	+150.8	110.1	15	21	- 0.6	7.7	7.4	+1.0	0	25	0	0	0	0	0	0	0	0
HAFLONG	26.9	-0.7	30.6	07	21.1	-0.1	17.9	11	116.4	609.1	+123.1	157.5	22	17	- 1.8	..	..	..	0	22	0	0	4	0	0	0	0	0
SILCHAR (KUMBHIRGRAM)	31.5	-0.1	35.6	06	23.9	0.0	21.0	12	179.4	572.5	-106.2	127.5	22	23	+ 2.3	7.0	6.2	+0.3	0	27	0	0	12	0	0	0	0	0
SILCHAR	28.9	-2.4	34.2	03	24.8	+0.2	21.9	12	239.0	628.0	+ 13.8	114.6	09	22	+ 0.4	0.3	0.1	-1.8	0	23	0	0	10	0	0	0	0	0
IMPHAL (TULIHAL)	29.5	+0.8	34.4	01	19.5	-1.7	17.8	09	130.7	283.4	+ 5.1	39.8	08	17	+ 2.0	9.1	6.2	-0.7	0	22	0	0	8	0	0	0	1	0
KAILASHAHAR	31.4	-0.4	34.8	01	24.6	+0.3	21.6	10	310.9	434.0	-150.4	51.1	12	23	+ 3.7	9.1	7.7	+3.4	0	28	0	0	17	0	0	0	0	0
AGARTALA	31.8	+0.3	36.4	01	24.2	-0.5	21.4	13	237.2	653.9	+212.0	73.0	09	22	+ 4.1	11.3	8.9	-0.7	2	25	0	0	24	0	0	0	4	0
TUENSANG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MOKOKCHUNG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SUB-HIMALAYAN WEST BENGAL																												
BAGHDOGRA	31.7	+0.4	36.7	01	23.5	-0.5	21.6	13	93.5	851.5	+222.9	153.2	25	23	+ 2.9	..	..	..	0	25	0	0	21	0	0	0	0	0
JALPAIGURI	30.4	-0.2	35.4	02	24.3	0.0	22.0	13	58.6	650.6	- 33.2	127.4	21	20	+ 0.5	7.8	6.4	-0.8	0	26	0	0	9	0	0	0	0	0
COOCH BEHAR AERODROME	30.9	-0.1	36.0	01	23.5	-0.8	21.2	10	144.2	899.0	+ 65.1	163.0	14	21	+ 1.2	6.8	4.7	-0.5	1	25	0	0	23	0	0	0	0	0
BALURGHAT	34.3	+0.7	38.0	02	26.6	+0.8	24.5	26	155.6	217.5	- 35.2	56.0	06	9	- 2.3	3.9	3.3	-5.1	0	13	0	0	14	0	0	0	0	0
MALDA	32.0	..	36.2	01	23.6	..	22.4	10	175.1	662.1	..	116.0	24	21	..	..	..	..	1	25	0	0	22	0	0	0	0	0
GANGETIC WEST BENGAL																												
BERHAMPURE	35.1	+0.6	38.1	01	26.5	+0.5	23.0	25	111.7	125.5	-118.6	38.8	21	10	- 2.7	4.0	2.6	-3.3	0	10	0	0	6	0	0	0	0	0
SURI	35.5	+0.2	38.9	01	26.5	+0.5	23.6	21	..	139.6	- 38.1	28.4	04	8	- 2.7	.	6.9	-3.4	0	12	0	0	5	0	0	0	0	0
ASANSOL	36.8	+0.7	41.0	12	26.4	0.0	23.8	17	..	214.0	- 28.8	69.2	07	6	- 5.7	.	5.5	-3.1	0	10	0	0	11	0	0	0	0	0
SHANTI NIKETAN	36.1	..	39.7	25	26.8	..	24.2	13	40.5	55.1	..	18.8	26	7	..	5.4	4.9	..	1	9	0	0	19	0	0	0	0	0
KRISHNANAGAR	35.1	+0.8	39.3	01	25.3	-0.7	23.2	16	165.8	131.0	-130.4	36.2	16	11	- 2.0	12.1	10.0	+2.0	1	11	0	0	9	0	0	0	0	0
PURULIA	36.7	+0.4	41.9	12	26.7	+0.6	23.7	07	44.0	89.8	-103.6	22.8	06	6	- 4.8	7.8	6.1	-1.0	0	9	0	0	15	0	1	0	0	0
BANKURA	37.7	..	42.0	25	26.9	..	23.0	26	30.1	54.0	-203.8	18.0	26	5	- 6.1	2.1	1.7	..	0	10	0	0	3	0	0	0	0	0
BURDWAN	36.7	+1.9	39.2	25	26.8	+0.7	23.2	01	136.1	185.5	- 71.3	45.2	01	11	- 1.0	10.9	8.0	-0.1	0	11	0	0	0	0	0	0	0	0
CALCUTTA (DUM DUM)	34.3	+0.5	37.8	10	26.8	+0.6	23.2	01	94.9	204.4	- 51.5	63.1	01	11	- 0.7	11.9	10.9	-1.5	0	16	0	0	13	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JUNE 1969 (JYAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean minimum	Departure from normal	Highest	Date	Mean maximum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
GANGETIC WEST BENGAL(CONTD.)																												
CALCUTTA	35.1	+1.0	38.8	01	27.3	+0.6	23.4	27	94.7	118.7	-171.4	59.1	27	9	- 3.9	9.8	7.4	+0.7	1	13	0	0	10	0	0	0	0	0
MIDNAPURE	35.4	+0.1	39.4	01	26.2	-0.3	21.9	25	123.6	125.4	-126.8	32.4	02	9	- 2.9	6.8	4.8	-1.9	0	11	0	0	0	0	0	0	0	0
CONTAI	33.2	+0.7	36.2	01	26.6	+0.1	23.3	07	87.6	175.3	-103.8	33.4	07	10	- 1.5	13.1	10.3	-3.6	1	13	0	0	0	0	0	0	0	0
SAGAR ISLAND	31.9	+0.2	33.6	01	27.7	+0.3	24.3	02	49.8	201.4	-101.6	47.8	06	11	- 0.9	23.0	21.9	-3.5	1	14	0	0	8	0	0	0	0	0
SANDHEADS	32.3	..	36.0	26	28.2	..	22.4	22	75.2	157.2	- 33.1	49.8	06	10	+ 0.6	..	..	..	0	11	0	0	2	0	0	0	0	0
NARENDRAPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BAGATI	35.1	..	38.1	01	25.8	..	23.8	13	128.1	212.7	..	79.9	07	6	..	8.6	6.4	..	0	10	0	0	3	0	0	0	0	0
ORISSA																												
BARIPADA	36.0	+0.3	40.3	01	26.5	+0.3	23.1	25	74.4	214.1	- 15.2	50.0	06	12	+ 0.2	2.8	1.9	-1.5	0	16	0	0	20	0	0	0	0	0
JHARSUGUDA	37.6	+0.1	42.4	02	26.1	-0.5	23.0	23	22.9	128.6	- 93.5	34.3	20	10	- 0.5	11.4	8.7	-1.3	1	14	0	0	25	0	0	0	2	0
KEONJHARGARH	34.7	+0.2	38.9	02	..	..	..	..	78.2	127.1	- 49.8	49.2	25	8	- 3.4	13.0	8.0	+0.1	4	10	0	0	0	0	0	0	0	0
BALASORE	34.9	+0.6	39.6	10	25.5	-1.1	22.2	06	83.4	297.5	+ 85.7	161.6	06	9	- 2.1	11.6	9.3	-1.3	0	14	0	0	0	0	0	0	0	0
SAMBALPUR	39.3	+2.1	44.1	01	24.6	-2.3	22.4	22	40.0	137.7	-100.6	30.0	20	8	- 2.4	10.9	7.4	-0.6	0	11	0	0	0	0	0	0	0	0
ANGUL	36.5	+0.2	41.1	13	24.0	-2.5	20.2	19	70.6	181.4	- 18.2	27.2	30	12	+ 0.6	..	..	..	0	14	0	0	0	0	0	0	0	0
CHANDBALI	35.1	+0.8	41.7	02	25.6	-0.7	22.5	26	96.9	226.3	+ 31.7	76.2	26	10	+ 0.3	13.2	10.7	-2.1	1	11	0	0	0	0	0	0	0	0
BOLANGIR	37.3	-0.2	42.9	02	25.8	-0.4	21.7	21	8.6	165.1	- 11.9	50.0	30	10	+ 1.0	7.4	9.5	-0.8	1	11	0	0	3	0	0	0	0	0
PHULBANI	34.5	..	40.5	02	24.1	..	21.7	20	64.0	175.7	..	65.1	29	11	..	8.3	4.3	..	0	12	0	0	9	0	0	0	0	0
CUTTACK	36.6	+0.8	42.7	02	27.1	+0.6	23.6	06	19.0	76.5	-154.4	33.0	06	7	- 4.3	7.3	6.6	-0.6	0	12	0	0	3	0	0	0	0	0
TITLAGARH	39.6	+2.7	43.2	02	25.0	-1.7	22.8	18	26.2	179.3	- 37.2	47.2	19	12	+ 1.1	4.1	3.6	-1.8	1	17	0	0	0	0	0	0	0	0
BHUBANESWAR	35.9	+0.6	41.5	02	26.1	-0.3	23.0	05	107.2	120.3	-102.2	57.2	04	6	- 6.4	17.5	15.8	-3.3	0	13	0	0	15	0	0	0	0	0
PURI	31.9	+0.2	34.4	15	27.3	-0.1	25.8	18	9.6	41.7	-144.7	23.9	02	4	- 4.4	15.8	12.4	-0.8	0	8	0	0	0	0	0	0	0	0
GOPALPUR	31.8	-0.4	33.8	14	25.8	-1.1	21.4	05	27.0	77.0	- 56.1	39.2	05	5	- 2.4	..	..	..	0	11	0	0	10	0	0	0	0	0
KORAPUT	29.5	-0.9	36.6	02	..	..	..	..	12.8	189.0	- 27.3	43.4	13	11	+ 1.7	..	..	..	0	15	0	0	0	0	0	0	0	0
PARADIP PORT	33.6	..	35.7	01	25.4	..	24.1	08	39.0	137.6	..	38.0	03	6	..	33.7	25.4	..	0	8	0	0	0	0	0	0	0	0
ROURKELA	36.6	..	41.6	02	26.7	..	23.1	17	86.0	169.0	..	40.0	04	11	..	..	..	..	0	13	0	0	7	0	3	0	0	0
BHUWANI PATNA	36.5	..	43.7	02	25.6	..	21.8	07	0.0	135.8	..	43.0	18	7	..	11.0	7.8	..	0	7	0	0	0	0	0	0	0	0
BIHAR PLATEAU																												
DUMKA	35.7	+0.6	38.8	10	25.8	-0.2	23.2	26	76.7	161.8	- 83.1	38.2	04	7	- 4.9	4.0	4.3	-2.0	0	9	0	0	0	0	0	0	0	0
DALTONGANJ	39.8	+1.5	42.3	12	26.5	-1.1	22.5	05	49.4	100.0	- 53.4	44.4	05	6	- 1.8	..	..	..	0	8	0	0	0	0	0	0	0	0
HAZARIBAGH	..	..	..	..	..	..	..	..	140.5	105.5	- 88.8	41.8	14	6	- 4.0	6.4	4.1	-5.7	0	7	0	0	14	0	0	0	0	0
DHANBAD	35.7	-0.2	40.7	12	26.9	+1.0	24.5	05	83.3	96.9	- 79.7	19.4	07	9	- 1.0	8.6	5.0	-4.3	0	10	0	0	7	0	0	0	0	0
RANCHI AERODROME	33.9	+0.3	37.0	12	23.8	-0.4	19.9	18	179.2	179.0	- 11.2	58.8	04	11	+ 1.3	13.7	10.0	-2.2	0	14	0	0	17	0	0	0	3	0
JAMSHEDPUR	36.8	+0.3	40.9	12	27.0	0.0	23.9	20	135.8	153.6	- 57.3	28.0	02	12	+ 1.7	9.2	7.0	-1.3	0	14	0	0	7	0	1	0	0	0
JAMSHEDPUR P.B.O.	36.6	+0.2	40.3	12	26.7	0.0	22.5	20	72.3	101.2	- 93.0	29.8	20	8	- 2.1	9.1	6.5	-1.3	1	11	0	0	22	0	0	0	1	0
CHAIBASA	37.2	+0.5	41.1	12	26.1	-0.6	22.5	06	45.4	57.6	-129.1	21.2	06	6	- 4.5	6.6	4.8	+0.3	0	10	0	0	11	0	0	0	0	0
BIHAR PLAINS																												
MOTIHARI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
FORBESGANJ	31.6	-2.0	37.5	02	25.5	+0.9	23.0	15	73.2	307.6	- 74.3	97.0	21	12	- 0.1	11.6	9.8	+1.1	0	16	0	0	7	0	0	0	0	0
DARBHANGA	33.9	-0.6	40.1	02	24.7	-1.3	21.3	16	53.2	277.8	+ 95.4	105.0	18	9	+ 0.5	6.3	5.6	-2.1	0	15	0	0	1	0	0	0	0	0
MUZAFFARPUR	34.0	..	39.3	02	26.0	..	21.9	22	..	244.1	+ 66.0	72.6	04	8	+ 0.1	.	5.8	..	0	10	0	0	6	0	0	0	0	0
CHAPRA	35.8	..	41.0	02	26.3	..	21.7	22	75.2	167.5	+ 33.5	95.3	06	8	+ 1.1	6.3	5.7	..	0	9	0	0	1	0	1	0	0	0
PURNEA	32.6	-0.6	37.6	02	23.3	-2.1	20.4	16	209.4	315.2	+ 57.1	83.4	05	9	- 2.4	5.3	4.2	-2.1	0	10	0	0	1	0	0	0	0	0
PATNA AERODROME	35.4	-1.2	40.7	02	27.2	+0.4	22.2	22	40.0	117.0	- 46.8	32.0	16	7	- 0.4	9.3	7.9	-1.2	0	8	0	0	10	0	1	0	3	0
ARRAH	..	..	..	..	..	..	..	..	..	25.2	-115.7	10.3	05	2	- 5.3	..	..	..	0	7	0	0	0	0	0	0	0	0
BHAGALPUR	34.8	-0.5	38.7	02	26.9	+0.5	23.0	16	95.9	193.9	- 13.7	152.4	06	8	- 0.7	9.6	7.4	-0.8	0	10	0	0	8	0	0	0	0	0
SABAUR	35.1	+0.2	38.5	02	24.6	-1.7	20.7	16	107.2	173.2	+ 2.8	87.2	06	7	- 1.4	8.8	6.5	-2.6	1	8	0	0	10	0	0	0	0	0
JAMUI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DEHRI	38.4	-0.5	44.0	13	25.5	-2.6	21.4	14	46.6	90.6	- 37.9	29.4	14	4	- 2.4	6.1	5.4	-1.8	0	4	0	0	0	0	0	0	0	0
GAYA	38.0	-0.6	42.5	13	27.7	-0.5	23.9	22	68.8	119.0	+ 15.6	34.0	06	5	- 1.1	12.3	10.2	-1.9	0	8	0	0	12	0	0	0	5	0
SUPAUL	34.9	..	36.0	01	23.5	..	21.0	04	61.6	428.0	..	86.0	05	8	..	.	7.4	..	0	9	0	0	0	0	0	0	0	0
UTTAR PRADESH EAST																												
KHERI	39.6	+1.7	44.4	10	27.3	+0.7	21.6	26	55.9	59.7	- 75.0	27.2	26	3	- 3.3	6.0	4.6	-0.6	0	6	0	0	6	0	3	0	0	0
BAHRAICH	39.1	+1.5	44.8	10	27.3	+0.3	22.3	25	12.8	36.0	-119.5	9.6	19	5	- 1.0	9.1	8.6	+0.2	0	7	0	0	3	0	0	0	0	0
NAUTANWA	35.5	+0.3	40.0	02	23.8	-2.1	19.8	21	44.0	234.8	+ 0.7	87.4	18	10	+ 0.9	4.8	5.8	-2.7	0	12	0	0	0	0	0	0	0	0
HARDOI	40.3	+0.8	44.4	11	28.6	+1.0	24.5	28	0.0	38.4	- 85.9	21.4	20	2	- 2.1	9.1	7.2	-0.2	0	2	0	0	0	0	0	0	0	0
GONDA	38.7	+1.3	45.0	10	26.3	-0.6	22.1	22	8.4	77.2	- 94.5	17.2	22	8	+ 0.7	5.7	4.7	-2.6	0	8	0	0	0	0	0	0	0	0
LUCKNOW	39.2	-0.1	44.0	10	27.9	-0.1	22.7	03	8.2	60.2	- 28.7	24.2	03	3	- 1.7	..	..	..	0	5	0	0	3	0	0	0	0	0
LUCKNOW(AMAUSI)	40.4	+1.5	44.2	10	28.4	+0.9	22.5	20	61.0	41.7	- 33.2	24.0	20	4	+ 0.4	13.7	11.4	-0.4	1	6	0	1	12	0	4	0	4	0
FAIZABAD	39.1	+1.9	45.1	11	29.6	+3.4	23.6	20	8.8	119.8	+ 42.9	58.8	20	7	+ 1.6	6.4	5.0	-0.2	0	7	0	0	7	0	7	0	2	0
GORAKHPUR	37.0	+0.6	43.1	10	25.3	-1.4	20.9	25	64.7	187.1	+ 26.3	46.0	05	10	+ 2.4	6.7	5.5	-1.3	0	11	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – JUNE 1969 (VAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																												
KANPUR	41.8	+1.9	44.5	10	28.9	+0.2	24.7	27	12.0	6.0	- 64.1	3.8	21	1	- 2.9	17.5	13.3	-0.2	0	3	0	0	0	0	1	0	0	0
KANPUR(AERODROME)	42.6	..	45.2	08	29.3	..	23.2	10	11.0	8.3	..	6.5	21	1	..	..	..	..	0	4	0	0	7	0	7	0	0	0
SULTANPUR	40.1	+1.5	45.0	11	28.4	+0.7	23.1	20	8.2	37.3	- 36.2	29.1	20	3	- 1.4	4.6	5.8	-0.5	0	3	0	0	4	0	0	0	0	0
AZAMGARH	38.3	-0.2	43.9	11	26.7	-0.6	21.4	22	62.0	122.2	+ 4.9	56.0	05	6	+ 0.1	4.0	3.2	..	0	7	0	0	0	0	1	0	0	0
FATEHPUR	42.0	+1.9	44.1	08	29.7	+0.9	24.1	27	3.2	32.0	- 35.4	28.6	27	1	- 4.5	..	..	..	0	3	0	0	0	0	0	0	0	0
BALLIA	38.4	-1.3	43.9	11	26.2	-0.6	20.3	28	14.4	46.0	- 53.9	12.2	20	6	+ 2.0	6.6	7.0	+0.2	0	7	0	0	0	0	0	0	0	0
BANDA	43.2	+2.4	45.4	23	29.3	-0.1	25.2	29	26.8	44.4	- 23.6	18.6	29	4	+ 0.1	7.6	3.4	-1.3	0	7	0	0	2	0	0	0	0	0
ALLAHABAD(BAMHRAULI)	42.5	+2.7	44.8	13	29.5	+0.6	25.7	22	1.6	16.9	- 79.1	9.8	22	2	- 2.6	8.6	6.1	-3.3	0	6	0	0	7	0	6	0	4	0
VARANASI(BABATPUR)	40.0	+1.1	43.8	10	28.6	+0.4	24.3	22	6.6	17.8	- 83.8	9.4	21	2	- 2.4	14.7	13.7	+1.7	0	4	0	0	14	0	8	0	0	0
VARANASI	38.6	-0.5	44.0	04	28.7	+0.4	22.3	04	47.6	38.6	- 50.1	20.2	05	4	- 1.5	..	..	..	0	5	0	0	0	0	0	0	0	0
UTTAR PRADESH WEST																												
MUKHIM	27.6	+1.5	30.0	12	17.0	-0.2	11.0	02	39.5	56.3	- 89.3	10.2	13	9	0.0	..	..	..	0	11	0	0	5	0	0	0	0	0
TEHRI	38.2	+1.1	41.0	10	21.9	-0.6	19.1	16	9.0	30.9	- 19.6	12.4	26	3	- 0.5	5.6	3.7	..	1	6	0	0	18	0	10	0	0	0
DEHRA DUN	37.3	+2.0	40.6	10	23.2	-0.4	19.4	04	23.1	50.8	-133.6	10.1	22	7	- 1.5	7.2	4.4	+0.8	0	9	0	1	12	0	2	0	0	0
MANSIARI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
ROORKEE	40.8	+2.3	44.5	10	24.9	-1.0	21.5	26	20.6	31.0	- 67.0	29.7	28	1	- 4.0	8.9	6.7	-0.6	0	2	0	0	3	0	1	0	0	0
NAJIBABAD	39.7	+1.2	43.2	11	26.0	0.0	20.9	28	8.6	25.0	- 63.3	11.1	03	3	- 1.9	11.4	9.0	+1.6	0	3	0	0	0	0	0	0	0	0
MEERUT	41.7	+2.2	44.0	09	24.8	-2.6	20.7	07	..	12.0	- 66.2	4.0	04	2	- 1.8	.	7.9	-1.0	0	4	0	0	0	0	0	0	0	0
BAREILLY	40.9	+1.9	44.7	10	28.3	+0.8	24.3	29	10.0	22.0	- 92.3	16.4	03	2	- 2.8	10.0	8.4	+1.1	1	3	0	1	3	0	2	0	0	0
ALIGARH	41.5	+1.5	43.4	02	28.5	+0.1	23.7	04	0.0	7.8	- 78.1	5.8	04	1	- 2.8	11.4	7.7	-1.6	0	2	0	0	3	0	1	0	0	0
MAINPURI	42.9	+2.0	45.8	10	29.5	+0.9	23.8	24	0.0	38.6	- 17.8	21.2	04	2	- 1.4	..	..	..	0	3	0	0	1	0	2	0	0	0
AGRA	42.8	+2.3	45.7	21	31.3	+1.8	26.6	24	3.5	7.6	- 44.2	4.1	04	1	- 2.1	9.2	6.2	-0.7	0	3	0	0	0	0	4	0	0	0
AGRA AERODROME	43.0	..	45.5	21	30.2	..	26.1	04	6.0	4.0	..	3.0	18	1	..	..	..	..	0	2	0	0	13	0	13	0	0	0
ORAI	43.4	+3.0	45.6	12	30.0	+1.5	25.4	26	17.0	28.2	- 66.2	18.0	24	3	- 1.7	11.0	10.7	-0.1	0	4	0	0	0	0	1	0	0	0
JHANSI	42.7	+2.3	45.4	04	29.4	+0.1	22.6	20	..	24.0	- 57.5	13.2	20	4	- 0.7	3.8	3.9	-4.2	0	4	0	0	0	0	0	0	0	0
MORADABAD	40.4	..	43.5	10	25.2	..	20.8	27	..	0.0	..	0.0	..	0	..	.	6.5	..	0	0	0	0	2	0	0	0	0	0
UTTAR KASHI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
ASCOT	..	..	..	..	..	..	..	..	18.2	225.5	..	41.7	03	14	..	..	..	..	0	17	0	0	0	0	0	0	0	0
DHARCHULA	..	..	..	..	..	..	..	..	12.4	136.6	..	42.0	25	11	..	6.0	3.7	..	0	16	0	0	9	0	0	0	0	0
HARYANA (INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	40.2	+0.7	43.2	03	25.6	-0.8	19.8	24	9.4	23.8	- 37.9	11.2	22	4	+ 1.0	..	..	..	0	4	0	0	2	0	0	0	0	0
AMBALA	41.1	+0.6	44.4	03	27.2	-0.1	22.4	28	10.2	10.8	- 62.1	10.0	24	1	- 3.3	9.1	6.9	-1.7	2	2	0	0	0	0	0	0	0	0
AMBALA AERODROME	41.5	..	44.5	10	27.0	..	21.1	07	36.1	16.4	..	11.7	24	2	..	..	..	..	0	2	0	1	8	0	2	0	0	0
KARNAL	40.6	+1.0	43.3	21	27.4	+0.8	23.3	28	21.3	21.3	- 31.5	21.0	24	1	- 2.0	10.2	7.8	..	0	2	0	0	0	0	1	0	0	0
HISSAR	42.3	+1.0	44.9	03	28.4	+0.7	20.4	02	10.6	24.0	- 7.5	6.8	26	3	0.0	12.4	10.4	+0.3	0	8	0	0	13	0	5	0	0	0
NEW DELHI/SAFDARJUNG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
PALAM AERODROME	41.2	..	43.7	03	27.6	..	22.6	30	31.4	26.0	..	12.4	05	2	..	..	..	..	0	5	0	0	7	0	8	0	6	1
GURGAON	41.4	..	46.3	21	27.8	..	23.5	07	0.0	8.0	..	3.1	20	1	..	7.3	6.0	..	0	5	0	0	0	0	0	0	0	0
NARNAUL	42.5	..	44.5	27	29.6	..	24.4	17	0.0	13.3	..	13.3	19	1	..	10.2	10.0	..	0	1	0	0	0	0	0	0	0	0
ROHTAK	41.0	..	43.3	11	26.4	..	22.7	07	13.8	25.5	..	10.2	18	3	..	16.3	12.3	..	0	4	0	0	7	0	1	0	0	0
PUNJAB																												
PATHANKOT	41.7	+1.5	44.4	11	26.7	+0.6	21.5	28	1.4	12.2	- 45.6	3.7	20	3	- 0.4	..	..	..	0	5	0	0	13	0	3	0	0	0
AMRITSAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
ADAMPUR AERODROME	41.6	..	44.3	21	24.5	..	20.0	07	4.8	36.8	..	22.9	28	3	..	..	..	..	0	3	0	0	7	0	3	0	0	0
LUDHIANA	43.1	+2.0	46.9	08	27.9	+0.8	22.2	07	0.0	6.6	- 42.7	3.8	29	2	- 1.3	7.1	5.0	+0.1	0	2	0	0	1	0	2	0	0	0
FEROZEPUR	41.8	+0.7	45.0	21	26.4	+0.1	22.8	28	0.0	1.6	- 31.9	1.6	28	0	- 1.7	4.0	3.2	0.0	0	1	0	0	0	0	0	0	0	0
HALWARA AERODROME	41.8	..	45.4	21	26.5	..	21.9	07	91.8	99.1	..	85.0	23	3	..	..	..	..	0	5	0	1	9	0	7	0	0	0
PATIALA	40.2	-0.2	43.9	03	26.9	+0.2	22.6	28	0.0	24.1	- 28.0	24.1	28	1	- 2.1	8.2	10.0	+0.7	0	1	0	0	4	0	3	0	0	0
BHATINDA	42.5	+0.3	45.3	09	28.5	+0.7	22.6	29	1.0	12.2	- 26.0	7.4	29	2	- 0.3	8.1	5.6	-2.3	0	3	0	0	3	0	3	0	0	0
HIMACHAL PRADESH																												
MANDI	37.5	+1.0	40.1	12	20.8	-0.1	18.3	05	5.5	46.6	- 62.0	18.4	19	4	- 3.0	..	..	..	0	7	0	0	1	0	0	0	0	0
BILASPUR	39.1	+0.9	44.0	03	25.4	+1.9	21.2	28	12.0	35.7	- 27.0	19.5	02	3	- 2.3	8.0	5.7	-0.8	1	3	0	0	10	0	1	0	0	0
JAMMU AND KASHMIR																												
MISGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GILGIT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SKARDU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DRAS	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SONAMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
LEH	21.7	+0.6	26.1	29	10.6	+3.9	8.1	05	.	0.6	- 4.2	0.6	30	0	- 0.7	..	..	..	0	1	0	0	0	0	0	0	0	0
SRINAGAR	29.0	0.0	32.4	19	14.3	-0.1	11.4	04	..4	40.0	+ 5.7	17.7	19	3	- 0.4	5.6	4.9	+0.8	1	5	0	1	8	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JUNE 1969 (VAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD)																												
SRINAGAR AERODROME	27.8	..	32.0	21	13.4	..	9.4	04	1.0	11.2	..	5.2	04	1	..	..	..	..	0	7	0	0	13	0	0	0	2	0
GULMARG	20.2	+0.2	25.3	19	6.0	-0.9	2.1	04	27.7	53.8	- 33.8	12.8	04	6	- 1.7	10.2	7.8	+1.2	0	10	0	0	4	0	0	0	0	0
QAZIGUND	27.2	..	30.9	01	13.3	..	9.9	04	30.8	67.8	..	42.2	04	3	..	..	..	..	0	6	0	0	14	0	0	0	0	0
BANIHAL	29.2	..	32.5	21	16.3	..	14.0	07	7.6	10.6	..	6.0	30	2	..	..	..	..	1	3	0	1	12	0	0	0	0	0
JAMMU	42.5	+2.1	44.6	14	..	..	..	..	1.0	7.3	- 62.0	3.2	30	2	- 1.7	..	..	..	0	3	0	0	0	0	0	0	0	0
JAMMU AERODROME	41.4	..	44.0	21	27.3	..	20.9	28	2.0	27.9	..	14.0	28	3	..	..	..	..	0	6	0	1	14	0	5	0	0	0
GULMARG (RESEARCH INSTITUTE)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
RAJASTHAN, WEST																												
GANGANAGAR	43.1	+1.0	46.5	28	29.2	+1.2	23.0	29	14.4	22.7	+ 1.6	15.1	15	2	+ 0.8	7.5	5.9	-4.8	0	2	0	0	4	0	3	0	0	0
ANUPGARH	45.2	..	47.3	03	30.5	..	26.3	07	0.0	0.0	..	0.0	..	0	..	15.1	12.9	..	0	0	0	0	0	0	0	0	0	0
CHURU	42.7	+1.6	44.8	01	28.7	-0.1	23.9	14	5.4	15.5	- 10.2	7.4	25	2	- 1.0	21.9	16.9	+1.8	0	5	0	0	6	0	2	0	0	0
BIKANER	42.7	+1.0	45.5	01	30.8	+1.5	26.7	22	0.0	0.0	- 27.9	0.0	..	0	- 2.2	20.5	17.8	+4.5	0	0	0	0	1	0	1	0	0	0
NAGAUR	41.9	+1.8	44.3	29	29.4	+1.3	27.4	05	0.0	0.0	- 14.2	0.0	..	0	- 1.2	19.2	16.8	-0.5	0	0	0	0	1	0	3	0	0	0
PHALODI	42.2	+1.4	45.0	08	27.6	-0.4	26.0	27	0.0	0.0	- 26.2	0.0	..	0	- 1.7	31.5	26.5	+0.9	0	0	0	0	0	0	7	0	0	0
JAISALMER	42.3	+0.9	44.9	08	26.7	-0.6	25.0	02	0.0	0.0	- 6.2	0.0	..	0	- 0.7	29.5	28.0	+0.8	0	0	0	0	0	0	0	0	0	0
JODHPUR	41.7	+1.6	43.8	21	28.9	+0.4	26.4	05	0.0	3.8	- 26.9	3.8	05	1	- 0.8	..	..	..	0	1	0	0	3	0	3	0	0	0
BARMER	41.1	+0.8	43.5	08	..	..	..	..	0.0	0.0	- 21.8	0.0	..	0	- 1.2	15.4	14.5	+0.3	0	0	0	0	1	0	2	0	0	0
ERINPURA (JAWAI DAM)	40.2	+2.0	43.1	29	27.4	+0.1	24.3	06	0.0	0.4	- 50.1	0.4	04	0	- 4.6	5.9	5.3	-7.6	0	1	0	0	0	0	0	0	0	0
JALORE	40.5	..	42.9	29	..	..	..	..	0.0	0.0	..	0.0	..	0	..	13.9	15.6	..	0	0	0	0	0	0	16	0	0	0
RAJASTHAN, EAST																												
PILANI	41.8	-0.4	44.1	03	28.9	-0.2	20.2	19	4.8	16.8	+ 1.4	8.0	19	2	+ 0.4	23.8	18.5	-1.8	0	3	0	0	2	0	9	0	0	0
SIKAR	40.8	+1.7	43.2	27	27.4	-0.1	24.0	04	0.0	0.5	- 40.7	0.2	04	0	- 3.3	0.3	0.0	-1.6	3	0	0	0	0	0	0	0	0	0
ALWAR	42.0	+1.1	44.8	03	30.0	-0.5	25.4	26	18.0	36.2	+ 1.3	14.6	26	6	+ 2.7	9.7	8.6	-0.4	0	7	0	0	7	0	3	0	0	0
JAIPUR (SANGANER)	40.3	+1.1	42.8	22	28.2	+0.9	21.8	13	31.4	65.6	+ 14.0	42.3	13	2	- 1.7	..	..	..	0	4	0	0	7	0	7	0	3	0
DHOLPUR	43.4	+1.8	45.9	10	29.5	-0.9	25.2	20	0.0	18.4	- 26.9	11.8	20	2	- 0.8	12.8	8.1	-1.6	0	3	0	0	2	0	2	0	0	0
AJMER	40.0	+1.9	43.0	28	29.6	+1.9	26.1	08	0.0	9.2	- 50.2	8.8	08	1	- 2.3	19.4	17.5	+2.9	0	2	0	0	0	0	1	0	1	0
TONK	42.5	+1.6	45.0	28	30.1	+1.2	24.2	12	32.5	17.5	- 5.9	16.1	15	1	- 0.6	18.5	13.8	+1.2	0	3	0	0	0	0	0	0	0	0
BHILWARA	40.0	..	43.4	29	27.0	..	21.7	12	13.2	25.4	..	13.2	16	3	..	15.0	12.3	..	0	4	0	0	1	0	0	0	0	0
KOTA	41.4	+1.1	44.4	28	28.7	-0.8	24.4	13	0.0	1.8	- 68.8	1.8	13	0	- 4.1	12.1	11.9	+2.8	0	1	0	0	0	0	0	0	0	0
KOTA AERODROME	41.6	..	44.2	04	30.4	..	26.3	13	0.1	5.2	..	4.0	19	1	..	20.7	20.9	..	1	2	0	1	3	0	2	0	0	0
CHAMBAL (RAWAT BHATTA DAM)	40.5	+1.1	43.9	29	27.9	+0.9	25.1	08	3.7	6.4	- 66.7	4.2	14	1	- 4.4	14.8	14.0	+1.5	0	2	0	0	5	0	2	0	0	0
UDAIPUR	37.3	+1.4	41.0	29	25.7	+0.4	23.0	08	16.4	19.8	+ 12.0	15.4	06	2	- 2.4	7.8	6.3	-1.1	0	3	0	0	5	0	0	0	0	0
JHALAWAR	40.7	+1.6	44.5	04	27.1	-0.4	22.6	27	0.0	0.0	-119.6	0.0	..	0	- 6.3	15.0	15.2	+3.7	0	0	0	0	0	0	0	0	0	0
BANSWARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DUNGARPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BUNDI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SAWAI MADHOPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MADHYA PRADESH, WEST																												
GWALIOR	42.8	+2.0	44.9	22	30.9	+0.7	25.0	20	0.1	16.4	- 34.2	8.6	20	3	- 0.7	15.1	11.8	+2.0	2	3	0	0	7	0	0	0	0	0
SHEOPUR	42.1	+1.7	44.6	04	30.2	+1.6	26.3	13	0.0	0.0	- 70.6	0.0	..	0	- 4.3	17.1	13.5	+3.3	0	0	0	0	0	0	1	0	0	0
SHIVPURI	40.1	..	42.3	25	27.2	..	23.0	10	8.4	11.2	..	4.8	30	1	..	13.9	12.4	..	0	5	0	0	0	0	0	0	0	0
NOWGONG	42.2	+2.2	44.8	25	30.0	+1.7	24.5	27	5.4	36.0	- 55.9	18.4	27	3	- 2.3	10.1	8.1	-0.1	1	6	0	0	3	0	0	0	0	0
GUNA	40.6	+2.1	43.5	04	27.7	+1.1	23.1	26	4.6	20.8	-124.5	12.8	26	2	- 5.0	18.0	15.2	+2.2	0	6	0	0	5	0	0	0	0	0
NIMACH	37.9	+1.0	42.0	30	26.7	+0.8	23.8	08	9.2	13.4	- 84.6	9.2	14	2	- 2.4	19.8	19.9	+3.3	0	2	0	0	6	0	0	0	0	0
RAJGARH	40.2	+0.7	44.1	04	27.9	+0.6	22.1	27	19.4	91.0	- 16.9	52.2	27	3	- 1.3	17.6	17.6	+1.3	0	3	0	0	3	0	0	0	0	0
SAGAR	41.0	+4.1	44.9	05	..	..	..	..	0.0	9.8	-117.2	3.6	17	2	- 5.4	11.1	16.3	+5.3	0	4	0	0	0	0	0	0	0	0
RATLAM	37.0	+0.8	41.0	04	24.5	-0.8	21.4	08	44.8	216.8	+121.3	101.8	08	6	+ 1.3	17.9	16.0	+2.7	0	7	0	0	5	0	0	0	0	0
BHOPAL (BAIRAGARH)	39.1	+2.2	43.6	04	25.6	+0.2	22.6	08	13.4	21.7	-126.6	11.6	29	3	- 5.1	18.9	16.6	+3.5	1	6	0	0	6	0	0	0	5	0
UJJAIN	37.3	..	41.2	04	25.2	..	21.6	27	8.7	36.1	..	13.2	07	5	..	20.3	19.4	..	0	5	0	0	0	0	0	0	0	0
NARSINGHPUR	41.2	..	44.4	04	27.4	..	23.4	21	6.0	24.2	..	7.6	21	4	..	11.8	9.3	..	0	6	0	0	0	0	0	0	0	0
HOSHANGABAD	40.1	+2.5	43.9	04	26.6	0.0	22.6	27	8.0	34.9	-108.4	8.0	05	6	- 1.7	10.9	9.0	+2.2	0	8	0	0	0	0	0	0	0	0
INDORE	37.1	+1.4	41.0	04	24.3	-0.1	21.1	05	15.5	68.5	- 65.1	21.0	05	6	- 0.9	25.3	24.7	-2.3	0	9	0	0	11	0	0	0	0	0
RAJPUR (JHABUA)	36.7	+0.7	39.5	02	25.1	-0.3	22.0	04	2.4	44.4	- 71.3	20.8	07	4	- 0.5	13.9	11.9	-4.8	0	5	0	0	0	0	0	0	0	0
CHHINDWARA	37.2	+2.0	41.1	04	25.8	+0.9	22.8	16	17.9	49.5	- 99.1	8.8	01	9	- 0.7	..	..	..	0	11	0	0	6	0	0	0	0	0
SEONI	38.4	+2.9	42.5	04	25.2	+0.8	22.6	21	62.0	96.6	-119.8	14.6	26	9	- 2.0	10.6	7.9	+0.2	0	16	0	0	14	0	0	0	0	0
BETUL	37.4	+2.4	40.7	04	24.9	+0.5	21.4	30	2.8	68.4	- 66.6	21.3	01	5	- 3.2	9.2	7.6	-0.9	1	9	0	0	4	0	0	0	0	0
KHANDWA	41.9	+4.4	44.0	25	26.5	+0.3	22.8	30	0.5	10.9	-124.5	6.7	30	2	- 4.5	17.8	17.1	+1.3	0	6	0	0	7	0	0	0	0	0
TIKAMGARH	41.1	..	44.0	02	29.0	..	22.2	19	0.7	0.8	..	0.7	19	0	..	12.1	10.4	..	1	1	0	0	5	0	4	0	0	0
KANNOD	39.5	..	43.8	04	27.2	..	23.6	08	4.4	53.7	..	27.0	16	3	..	11.9	11.0	..	0	5	0	0	3	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JUNE 1969 (VAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST																												
SATNA	41.8	+2.7	44.4	25	29.9	+1.9	23.9	21	6.6	9.9	-104.9	4.8	27	1	- 4.9	13.6	9.7	+0.5	0	6	0	0	4	0	0	0	0	0
REWA	41.4	..	43.5	24	29.5	..	26.3	22	0.4	0.4	..	0.4	19	0	..	9.3	7.1	..	0	1	0	0	0	0	1	0	0	0
SIDHI	41.2	+1.4	43.2	17	29.1	+1.2	26.4	04	5.2	17.1	- 40.3	8.3	01	2	- 2.6	..	..	..	0	5	0	0	0	0	0	0	0	0
UMARIA	40.3	+2.7	43.5	03	28.0	+1.2	21.5	22	7.0	74.2	- 89.2	36.6	28	3	- 5.9	10.4	8.5	+1.6	3	5	0	0	11	0	0	0	0	0
JABALPUR	40.6	+3.0	44.0	03	28.0	+1.6	23.8	08	32.3	82.0	- 75.0	30.2	08	6	- 2.3	11.3	8.5	-0.1	2	9	0	0	12	0	1	0	0	0
AMBIKAPUR	37.8	+2.0	40.2	12	26.2	+1.1	23.8	20	37.1	28.9	-114.1	11.6	02	4	- 5.6	13.5	10.3	+0.2	1	5	0	0	6	0	2	0	0	0
JASHPURNAGAR	33.5	..	36.1	17	22.5	..	19.8	19	118.0	215.4	..	52.2	30	11	..	8.6	6.0	..	0	15	0	0	1	0	0	0	0	0
PENDRA	36.8	+3.2	40.4	03	24.9	-0.1	21.3	22	76.5	115.9	- 91.4	34.0	23	13	+ 1.6	11.5	9.6	+0.1	0	19	0	0	20	0	0	0	0	0
MANDLA	39.8	+2.3	43.0	03	25.9	+0.6	21.4	21	49.0	96.5	- 35.2	35.6	29	9	+ 0.3	9.1	5.8	-0.6	0	13	0	0	15	0	0	0	0	0
CHAMPA	39.5	+0.6	43.8	03	26.9	-0.9	23.7	03	71.3	99.9	- 56.2	35.8	28	9	+ 0.4	11.5	8.2	+0.1	0	13	0	0	13	0	1	0	0	0
RAIGARH	39.0	+0.4	43.7	02	26.8	-0.9	23.4	15	2.4	68.4	- 99.3	18.0	15	8	- 0.5	9.2	6.7	-0.6	0	13	0	0	9	0	1	0	0	0
RAIPUR	38.6	+1.1	43.8	02	26.4	-0.4	22.0	21	14.2	126.5	- 93.0	34.2	21	7	- 2.4	13.3	11.6	-0.5	1	15	0	0	20	0	0	0	0	0
KANKER	36.0	+0.6	40.9	03	26.5	+0.5	21.6	13	9.2	229.7	+ 17.6	91.4	26	10	+ 0.5	11.3	9.8	+0.1	1	16	0	0	13	0	0	0	0	0
JAGDALPUR	33.6	+0.1	40.8	02	23.7	-0.2	21.2	05	66.8	130.0	-102.7	33.4	30	10	- 1.5	..	..	..	1	18	0	0	18	0	0	0	5	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																												
DEESA	39.1	+0.2	41.5	28	27.2	0.0	23.3	05	0.0	19.9	- 28.1	15.4	05	2	- 0.5	22.7	24.9	..	0	2	0	0	0	0	0	0	0	0
RADHANPUR	39.2	+0.4	41.6	02	27.5	+1.2	25.1	16	7.3	9.5	- 19.8	5.0	16	1	- 0.8	13.7	13.0	-1.5	0	3	0	0	0	0	0	0	0	0
IDAR	38.7	+0.9	41.0	01	28.2	+2.2	24.7	05	0.0	77.8	- 12.9	57.6	05	2	- 2.1	11.6	9.1	-2.3	0	2	0	0	0	0	0	0	0	0
AHMADABAD	39.3	+1.3	42.8	01	27.8	+0.4	24.8	08	18.2	42.2	- 43.1	18.8	07	4	- 0.3	10.5	10.5	-0.3	0	4	0	0	1	0	0	0	1	0
DOHAD	36.3	+0.4	39.8	02	25.2	-0.4	21.7	17	19.6	53.6	- 54.6	26.6	17	4	- 0.8	24.9	26.2	-3.4	0	4	0	0	7	0	0	0	0	0
VALLABH VIDYANAGAR	37.1	..	41.7	03	27.0	..	22.3	08	16.5	131.5	..	91.0	07	3	..	17.5	11.1	..	0	4	0	0	1	0	0	0	0	0
BARODA AERODROME	36.5	-0.2	40.3	02	27.1	+0.1	22.8	08	53.2	180.3	+ 88.0	93.4	07	3	- 1.2	20.7	21.5	+5.9	0	4	0	0	5	0	0	0	0	0
BARODA	37.1	-0.1	41.5	01	27.1	0.0	22.8	08	42.0	180.9	+ 81.6	107.2	07	4	- 0.3	17.6	12.0	+2.2	0	5	0	0	3	0	0	0	0	0
BROACH	36.1	+0.7	38.3	01	27.1	+0.2	23.3	08	0.0	0.0	-154.2	0.0	..	0	- 7.4	24.2	23.0	+0.9	0	0	0	0	0	0	0	0	0	0
SURAT	34.8	+1.1	37.4	06	27.4	+0.3	23.2	08	17.6	89.8	-106.8	51.4	08	5	- 2.4	17.8	13.5	+1.3	0	8	0	0	1	0	0	0	0	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																												
NALIYA	34.1	+0.5	36.4	05	27.1	+0.1	25.1	06	0.0	12.3	- 39.4	12.3	06	1	- 1.3	26.7	22.4	-1.1	0	1	0	0	1	0	0	0	0	0
BHUJ (RUDRAMATA)	37.5	+0.8	39.2	26	27.6	+0.2	26.3	02	0.0	0.5	- 26.4	0.5	06	0	- 1.5	26.5	22.3	+1.3	0	1	0	0	3	0	0	0	0	0
KANDLA AERODROME	37.9	..	39.9	02	27.8	..	24.5	07	13.6	16.7	..	16.2	07	1	..	35.4	31.2	..	0	2	0	0	2	0	3	0	1	0
NEW KANDLA	35.9	+1.1	38.3	03	28.0	+0.4	25.1	07	1.0	15.0	- 42.7	14.0	07	1	- 2.0	30.8	27.0	-3.6	0	2	0	0	1	0	0	0	0	0
MANDVI	33.5	+0.5	35.2	06	27.7	-0.7	27.2	05	0.0	0.0	- 27.2	0.0	..	0	- 1.5	32.4	31.7	-1.1	0	0	0	0	0	0	0	0	0	0
SURENDRANAGAR	39.5	+0.4	42.2	28	27.8	+0.6	25.8	07	16.0	26.2	- 27.7	22.0	07	2	- 1.7	16.0	16.9	-3.3	0	2	0	0	4	0	0	0	0	0
OKHA	33.1	..	39.8	11	27.5	..	26.5	06	0.0	0.0	..	0.0	..	0	..	25.0	22.8	..	0	0	0	0	1	0	0	0	0	0
JAMNAGAR AERODROME	36.3	+0.4	39.0	24	26.7	-0.4	23.2	07	14.4	27.5	- 33.7	13.2	06	2	- 0.8	..	..	..	1	4	0	0	6	0	0	0	0	0
DWARKA	32.8	+0.9	33.7	04	28.6	+0.4	27.8	01	0.0	2.5	- 41.7	2.5	18	1	- 1.1	22.9	21.9	-1.6	0	1	0	0	0	0	0	0	0	0
RAJKOT	38.4	+0.6	41.0	01	26.2	0.0	23.7	04	33.2	52.0	- 41.0	33.4	04	3	- 2.3	29.7	27.7	-0.4	0	6	0	0	6	0	0	0	0	0
BHAVNAGAR AERODROME	36.9	-0.7	39.8	28	26.8	-0.3	21.6	11	37.1	208.1	+135.6	88.7	07	6	+ 0.4	27.0	24.3	+9.0	0	7	0	0	3	0	0	0	1	0
PORBANDER AERODROME	33.3	+1.2	35.1	06	28.2	+0.2	24.2	06	30.4	31.5	- 52.9	31.2	06	1	- 3.2	22.5	18.3	..	0	2	0	0	0	0	0	0	0	0
KESHOD	34.6	+0.3	37.6	03	26.9	+0.5	23.7	07	..	96.2	- 24.7	58.4	06	3	- 3.8	.	23.5	-2.3	0	3	0	0	1	0	0	0	0	0
MAHUVA	34.6	..	36.8	29	..	..	..	..	11.5	59.6	- 80.1	26.8	07	5	- 0.1	17.2	15.3	..	0	6	0	0	1	0	0	0	0	0
VERAVAL	32.3	+1.0	34.1	04	27.2	-0.4	23.3	06	51.3	109.3	- 4.5	56.5	06	2	- 1.6	22.7	22.7	+0.2	1	4	0	0	2	0	1	0	0	0
DIU	32.5	..	37.2	01	27.5	..	25.0	05	30.3	57.0	..	53.6	07	2	..	20.9	17.1	..	1	2	0	0	0	0	0	0	0	0
KONKAN (INCLUDING GOA)																												
DAHANU	32.5	+0.4	35.4	05	..	..	..	..	178.7	485.8	+ 16.4	114.8	19	13	+ 1.0	20.9	16.4	-2.0	0	14	0	0	0	0	0	0	0	0
BOMBAY (SANTACRUZ)	32.4	+0.7	35.1	05	25.9	0.0	23.1	18	101.7	565.6	- 25.5	153.0	29	14	- 0.8	17.8	13.8	-1.3	2	18	0	0	9	0	0	0	0	0
BOMBAY	32.2	+0.3	34.4	02	26.3	0.0	24.0	14	76.5	456.6	- 8.2	89.5	19	16	+ 1.8	12.8	11.5	-1.3	1	20	0	0	8	0	0	0	2	0
ALIBAG	31.3	+0.5	32.8	12	25.9	-0.1	23.9	20	..	716.8	+205.7	197.5	20	21	+ 5.8	.	19.6	-0.5	0	26	0	0	1	0	0	0	0	0
BHIRA	31.9	..	39.0	02	22.0	..	19.3	13	511.2	721.2	..	99.2	30	23	..	3.5	2.2	..	0	28	0	0	0	0	0	0	0	0
HARNAI	30.8	+1.0	32.2	04	..	..	..	..	..	430.8	-246.2	104.0	19	20	+ 1.4	..	..	..	0	22	0	0	0	0	0	0	0	0
RATNAGIRI	31.4	+0.9	39.0	05	25.1	-0.1	23.0	15	270.3	654.4	-115.5	146.3	19	20	- 0.4	17.2	15.5	..	0	27	0	0	1	0	0	0	0	0
DEVGARH	30.7	+0.4	34.0	01	24.9	-0.4	23.4	19	327.0	831.0	+170.8	138.0	29	23	+ 3.0	19.7	17.7	-3.4	0	25	0	0	0	0	0	0	0	0
VENGURLA	30.6	+0.4	33.7	01	24.7	+0.2	23.2	21	215.7	679.2	-254.2	88.0	28	24	+ 2.2	10.5	8.1	..	0	26	0	0	8	0	0	0	0	0
PANJIM	30.4	..	34.2	01	24.5	..	22.9	06	250.5	869.9	..	185.0	27	23	..	15.9	14.0	..	0	29	0	0	8	0	0	0	0	0
MORMUGAO	29.9	+0.5	32.6	01	24.6	-0.1	22.8	29	299.5	866.5	+ 71.8	201.8	29	26	+ 4.3	16.9	15.9	-3.1	1	29	0	0	3	0	0	0	0	0
DABOLIM (NAVAL AIR STN.)	..	..	..	..	..	..	..	..	283.0	866.7	..	185.7	29	25	..	10.7	8.5	..	0	30	0	0	13	0	0	0	0	0
MADHYA MAHARASHTRA																												
NANDURBAR	36.8	+0.3	40.8	03	25.1	-0.8	22.1	08	11.6	105.1	+ 17.1	35.6	29	7	+ 1.2	20.2	18.0	+3.1	0	8	0	0	0	0	0	0	0	0
JALGAON	39.4	+1.3	43.0	04	25.9	-0.1	21.4	30	43.4	172.8	+ 43.3	70.4	30	8	+ 1.0	23.3	22.0	+1.1	0	9	0	0	0	0	0	0	0	0
MALEGAON	36.6	+0.5	41.2	02	22.9	-1.3	19.8	30	0.0	0.0	-110.5	0.0	..	0	- 6.2	14.7	13.8	+0.6	0	0	0	0	0	0	0	0	0	0
OZAR	33.2	..	38.2	02	22.2	..	20.4	03	16.6	130.3	..	37.0	26	9	..	22.4	18.5	..	0	14	0	0	10	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – JUNE 1969 (VAISTHA 11 – ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena – No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD)																												
AHMADNAGAR	34.8	+1.1	40.5	01	22.6	+0.1	20.5	04	123.6	204.5	+ 76.2	61.0	28	11	+ 3.8	11.4	9.2	-1.0	0	13	0	0	2	0	0	0	0	0
KHANDALA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
POONA AERODROME	32.2	..	37.5	02	21.6	..	17.5	01	52.2	165.3	..	75.3	30	8	..	..	..	..	1	14	0	0	12	0	0	0	0	0
POONA	32.7	+0.8	38.2	02	23.3	+0.4	21.0	04	71.2	118.5	+ 11.1	48.2	30	8	+ 1.0	14.6	11.3	..	1	16	0	0	11	0	0	0	0	0
JEUR	34.1	-0.8	39.3	01	23.0	+0.1	21.0	18	..	122.4	+ 33.6	44.6	14	6	+ 0.3	16.3	15.0	-2.3	0	7	0	0	1	0	0	0	0	0
BARAMATI	34.1	+0.3	38.6	02	23.1	+0.2	21.5	28	133.3	141.9	+ 54.2	31.0	28	9	+ 3.4	17.2	14.2	-2.1	1	10	0	0	5	0	0	0	0	0
SHOLAPUR	35.3	+0.3	40.5	02	23.5	0.0	21.9	21	27.5	135.8	+ 22.3	56.0	16	7	+ 0.2	11.7	10.4	-2.1	0	11	0	0	9	0	0	0	0	0
MIRAJ	32.6	+1.0	37.2	02	22.3	0.0	20.9	09	40.8	45.0	- 25.4	27.4	03	4	- 1.8	..	..	..	0	5	0	0	0	0	0	0	0	0
KOLHAPUR	31.1	+1.1	35.7	01	22.4	+0.4	21.1	21	25.4	52.3	- 61.2	14.3	15	6	- 1.8	19.5	14.3	-3.3	0	10	0	0	0	0	0	0	0	0
NASIK	33.8	..	39.8	01	..	..	..	..	..	245.2	..	58.0	29	10	..	..	..	..	0	13	0	0	0	0	0	0	0	0
SANGLI	32.4	..	36.9	01	22.5	..	20.8	08	19.4	21.6	..	14.0	22	2	..	22.7	17.2	..	0	5	0	0	0	0	0	0	0	0
SATARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MARATHWADA																												
AURANGABAD	35.2	+0.5	39.6	02	23.4	+0.2	21.4	30	88.6	179.9	+ 45.8	39.0	28	10	+ 2.3	16.0	16.0	-3.2	1	12	0	0	0	0	0	0	0	0
AURANGABAD (CHIKALTHAN)	35.3	+0.6	40.0	02	21.2	-1.8	19.3	26	51.8	127.8	- 22.4	37.0	26	9	+ 0.2	19.5	19.1	-0.8	0	13	0	0	11	0	0	0	0	0
PARBHANI	37.7	+0.8	42.0	01	24.7	0.0	22.5	25	17.8	84.6	- 69.3	40.8	25	7	- 1.1	13.6	13.1	-2.7	0	8	0	0	5	0	0	0	0	0
NANDER	38.0	..	42.2	01	24.6	..	22.0	29	47.8	148.8	..	48.6	29	7	..	12.2	10.1	..	0	7	0	0	0	0	0	0	0	0
BIR	36.5	..	41.1	02	24.2	..	22.1	28	33.6	111.8	..	61.4	28	7	..	12.5	9.9	..	0	7	0	0	1	0	0	0	0	0
VIDARBHA																												
GONDIA	39.8	+1.7	44.1	03	26.8	-0.6	23.1	30	10.5	60.8	-101.4	25.2	30	7	- 1.5	5.8	4.7	-2.3	2	8	0	0	6	0	0	0	0	0
NAGPUR (SONEGAON)	39.8	+1.4	44.4	04	26.8	-0.1	23.3	16	22.5	48.1	-173.9	11.4	16	7	- 2.9	16.8	14.5	-0.4	1	11	0	0	20	0	0	0	9	0
AMRAOTI	39.4	+2.4	43.2	06	26.8	+1.1	23.0	30	42.6	87.6	- 67.6	31.8	30	6	- 2.3	18.0	16.5	+0.9	0	7	0	0	3	0	0	0	0	0
AKOLA AERODROME	39.6	..	42.9	01	25.7	..	22.2	29	4.3	36.8	..	12.8	25	6	..	15.8	15.3	..	2	7	0	0	10	0	0	0	0	0
AKOLA	39.4	+2.0	43.2	01	26.0	-0.2	22.7	30	0.0	35.3	-100.3	12.8	30	4	- 3.9	15.9	14.2	-0.5	0	4	0	0	0	0	0	0	0	0
BRAMHAPURI	39.7	+1.7	44.4	04	27.2	+0.8	22.1	30	2.4	124.4	- 11.1	78.2	30	5	- 3.7	10.6	9.6	+0.7	0	6	0	0	2	0	0	0	0	0
BULDANA	35.1	+1.2	38.7	01	23.4	-0.1	20.0	30	65.6	240.3	+ 80.9	53.0	30	8	- 0.8	12.4	12.3	-2.5	0	8	0	0	4	0	0	0	0	0
YEOTMAL	38.7	+1.8	43.5	02	25.9	+0.5	21.6	21	17.4	94.7	- 90.4	36.4	21	8	- 1.2	18.7	19.1	+0.1	0	10	0	0	8	0	0	0	0	0
CHANDRAPUR	39.6	+1.9	45.4	04	27.4	+0.5	23.4	30	14.1	144.6	- 50.0	35.2	28	11	+ 1.4	15.0	11.3	+1.3	2	11	0	0	15	0	0	0	0	0
PUSAD	38.8	..	42.6	01	26.2	..	22.6	26	17.2	95.8	..	20.2	15	9	..	14.4	11.8	..	0	10	0	0	0	0	0	0	0	0
SIRONCHA	37.9	0.0	44.4	02	27.2	-0.5	21.8	29	20.5	129.5	- 75.0	38.6	28	9	+ 0.3	8.0	6.5	-0.5	0	14	0	0	0	0	0	0	0	0
WARDHA	39.7	..	44.4	04	26.5	..	22.0	21	52.8	125.5	..	27.6	21	9	..	13.2	11.4	..	1	11	0	0	1	0	0	0	0	0
BHANDARA	39.5	..	44.1	04	27.5	..	24.2	30	25.0	59.1	..	16.3	10	5	..	10.6	9.2	..	0	13	0	0	0	0	0	0	0	0
COASTAL ANDHRA PRADESH																												
KALINGAPATAM	33.2	-0.4	38.0	01	25.1	-2.0	22.8	05	17.4	68.0	- 44.5	13.4	17	8	+ 1.9	15.0	11.7	-3.3	0	12	0	0	9	0	1	0	0	0
VISHAKHAPATNAM	35.1	+1.4	38.8	10	27.6	+0.2	24.5	28	13.4	45.6	- 55.2	14.3	28	5	- 1.3	19.2	14.5	+0.8	2	9	0	0	13	0	0	0	5	0
KAKINADA	35.2	-0.7	39.9	02	27.2	+0.1	23.0	04	1.8	162.6	+ 40.9	47.0	25	7	- 0.3	9.1	6.3	-5.8	1	12	0	0	3	0	0	0	0	0
NIDADAVOLE	35.1	-1.0	39.8	02	21.9	-4.4	18.0	04	4.5	177.7	+ 22.7	68.2	28	7	- 1.1	13.6	9.1	-3.4	0	11	0	0	0	0	0	0	0	0
RENTACHINTALA	38.0	+0.2	42.5	02	29.0	+1.2	25.2	27	0.0	33.8	- 51.8	13.2	27	4	- 2.3	8.7	12.2	-2.3	0	4	0	0	1	0	0	0	0	0
GANNAVARAM	37.5	0.0	41.7	02	27.6	+0.3	23.5	28	1.2	51.4	-104.4	33.5	28	3	- 5.5	19.9	14.1	-3.5	0	7	0	0	2	0	0	0	0	0
MASULIPATAM	36.4	0.0	41.0	02	26.3	-1.1	23.0	26	21.4	39.2	- 54.5	16.4	26	5	- 1.1	4.7	3.3	-1.2	0	7	0	0	2	0	0	0	0	0
ONGOLE	38.7	+1.3	43.0	02	29.0	+0.6	23.4	27	0.0	14.4	- 34.2	5.4	20	3	- 0.5	13.2	10.0	-1.6	0	4	0	0	0	0	0	0	0	0
NELLORE	39.3	+1.1	43.1	02	..	..	..	..	0.1	22.2	- 14.4	10.2	26	3	0.0	..	..	..	1	5	0	0	0	0	0	0	0	0
VISHAKHAPATNAM (SOLAR)	33.1	..	36.4	01	26.5	..	23.4	27	..	57.8	..	25.4	27	6	..	.	9.7	..	1	9	0	0	6	0	0	0	0	0
TELANGANA																												
RAMGUNDAM	39.4	+0.8	44.2	02	26.4	-1.8	21.4	29	24.4	62.8	- 99.4	10.2	29	10	+ 2.9	10.2	8.9	-0.1	1	17	0	0	5	0	0	0	0	0
NIZAMABAD	38.5	+2.3	42.4	01	26.5	+1.1	23.5	07	24.5	50.6	- 98.0	24.0	28	4	- 4.6	..	..	..	0	11	0	0	3	0	0	0	0	0
HANAMKONDA	37.3	+0.8	42.0	01	25.2	-1.5	20.8	17	26.8	255.6	+109.5	79.8	28	10	+ 2.0	9.4	9.0	-4.1	0	14	0	0	10	0	0	0	0	0
HAKIMPET AERODROME	34.9	..	39.8	02	23.7	..	21.3	28	93.0	152.0	..	95.5	14	7	..	..	..	..	0	8	0	0	11	0	7	0	1	0
BHADRACHALLAM	36.5	-1.1	41.8	02	27.5	0.0	23.9	28	36.7	117.7	- 44.1	30.5	26	9	- 1.0	8.3	5.1	-5.1	0	11	0	0	3	0	0	0	0	0
HYDERABAD (BEGAMPET)	35.7	+1.6	40.0	02	24.4	+0.3	22.5	27	4.0	42.7	- 71.1	11.1	27	6	- 0.6	23.1	20.4	-3.4	1	10	0	0	7	0	0	0	2	0
KHAMMAM	36.3	-1.3	41.2	02	26.7	-0.5	24.2	17	15.0	178.8	+ 56.3	52.0	26	7	- 0.2	8.4	6.9	-4.0	0	10	0	0	4	0	0	0	0	0
MAHBUBNAGAR	33.5	-0.3	39.0	01	24.8	+0.8	21.3	15	8.8	150.4	+ 27.8	123.0	15	4	- 4.1	13.4	11.7	-3.5	0	7	0	0	2	0	0	0	0	0
RAYALASEEMA																												
KURNOOL	36.5	+0.9	40.6	02	25.3	+0.3	22.1	15	0.0	91.7	+ 15.8	57.4	15	4	- 1.2	20.8	18.8	-2.3	0	4	0	0	0	0	0	0	0	0
NANDYL	37.0	..	41.9	02	27.9	..	24.2	27	0.0	44.9	..	15.1	27	4	..	13.3	10.4	..	0	4	0	0	5	0	0	0	0	0
ANANTAPUR	35.7	+1.0	38.5	02	25.6	+0.9	23.2	27	0.6	53.2	+ 3.4	43.8	27	2	- 1.1	22.0	18.1	-0.3	1	4	0	0	2	0	0	0	0	0
CUDDAPAH	37.5	+0.5	41.6	02	27.3	+0.4	24.0	14	0.0	144.8	+ 73.2	113.0	14	4	- 0.7	..	..	..	0	5	0	0	0	0	0	0	0	0
ARIGYAVARAM	33.2	+1.2	35.4	01	22.3	-0.4	20.4	01	0.0	36.2	- 20.0	20.0	01	2	- 2.0	16.9	13.6	-0.2	0	5	0	0	0	0	0	0	0	0
TAMIL NADU (INCLUDING PONDICHERRY)																												
MADRAS	37.3	+0.8	40.0	09	27.7	+0.5	24.1	21	15.4	47.1	- 2.4	16.4	21	5	+ 0.8	14.4	10.9	+1.0	0	5	0	0	6	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JUNE 1969 (VAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 to 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
TAMILNADU (INCLUDING PONDICHERRY)																												
MADRAS (MINAMBAKKAM)	37.9	+0.6	40.6	09	27.8	+0.2	24.0	21	7.3	60.7	+ 16.0	25.5	21	5	+ 1.2	18.6	14.2	-2.2	0	10	0	0	8	0	0	0	4	0
VELLORE	37.5	+1.5	39.6	10	26.6	+0.3	24.3	14	22.7	30.7	- 39.4	22.7	14	3	- 1.8	17.1	12.2	+2.4	1	3	0	0	4	0	0	0	0	0
TAMBARAM AERODROME	39.6	..	42.0	02	27.8	..	24.5	15	45.9	74.2	..	35.7	29	5	..	..	..	..	0	8	0	0	13	0	0	0	0	0
TIRUPPATTUR	37.9	+3.0	39.5	09	23.6	-0.1	22.3	01	0.0	117.6	+ 62.8	112.0	02	2	- 1.6	11.6	6.8	-0.7	0	2	0	0	0	0	0	0	0	0
METTUR DAM R.S.	36.4	..	38.0	07	25.6	..	24.4	02	5.0	11.6	..	5.0	04	2	..	8.4	7.5	..	0	3	0	0	0	0	0	0	0	0
CUDDALORE	38.4	+1.5	40.6	07	27.5	+0.5	25.7	30	1.6	4.6	- 29.4	2.2	07	0	- 2.6	14.0	11.8	0.0	2	4	0	0	0	0	0	0	0	0
KALLAKKURICHCHI	38.3	+1.2	40.0	19	26.8	+0.3	22.0	11	38.0	52.0	- 2.7	18.0	05	6	+ 2.2	12.8	8.9	..	0	7	0	0	0	0	0	0	0	0
SALEM	36.1	+1.2	37.6	26	25.4	+1.0	23.6	03	0.0	34.9	- 48.4	28.9	03	2	- 3.5	..	..	..	0	3	0	0	2	0	0	0	0	0
COIMBATORE (PILAMEDU)	32.7	+1.3	34.8	03	22.6	+0.3	21.5	12	0.0	2.2	- 28.5	1.3	28	0	- 2.9	38.2	32.5	-0.1	0	3	0	0	1	0	0	0	0	0
COIMBATORE	32.5	+2.0	35.7	03	23.0	+0.5	21.7	12	..	4.2	- 31.4	4.2	27	1	- 2.5	.	16.5	+0.2	0	1	0	0	0	0	0	0	0	0
NAGAPATTINAM	37.9	+1.3	39.8	09	27.5	+0.5	25.1	02	..	1.7	- 25.0	0.8	01	0	- 2.0	.	13.6	+1.1	0	3	0	0	3	0	0	0	0	0
TIRUCHCHIRAPPALLI	38.2	+1.8	39.6	14	27.2	+0.7	23.5	14	3.6	25.0	- 14.6	18.6	14	3	+ 0.7	21.6	17.3	-1.6	1	3	0	0	4	0	1	0	2	0
VEDARANNIYAM	34.9	..	36.0	13	25.9	..	22.7	02	0.0	2.2	..	2.2	02	0	..	14.8	11.9	..	0	1	0	0	0	0	0	0	0	0
ATIRAMPATTINAM	34.7	..	37.4	08	26.6	..	25.0	04	0.0	9.2	..	7.2	04	1	..	21.5	15.1	..	0	2	0	0	0	0	0	0	0	0
MADURAI	38.5	+1.8	40.0	03	24.7	-1.6	23.3	14	..	4.0	- 33.9	4.0	14	1	- 1.7	.	9.7	+0.1	0	1	0	0	0	0	0	0	0	0
MADURAI AERODROME	37.7	+1.5	40.0	03	26.6	+1.1	24.1	14	49.1	64.1	+ 23.5	51.6	14	2	- 1.0	17.5	13.8	-0.3	0	2	0	0	4	0	0	0	0	0
TONDI	34.3	+1.0	37.5	23	25.7	-0.4	24.5	16	0.0	22.2	- 10.3	22.2	16	1	- 0.7	25.1	16.5	-1.1	0	1	0	0	0	0	0	0	0	0
PAMBAN	32.9	+1.0	34.3	12	27.2	+0.1	26.2	24	0.0	0.0	- 3.8	0.0	..	0	- 0.3	20.8	22.0	+1.7	0	0	0	0	0	0	0	0	0	0
TUTICORIN	36.9	+1.4	38.3	17	26.2	-0.6	23.8	21	0.0	0.0	- 4.9	0.0	..	0	- 0.5	23.1	18.6	+0.4	0	0	0	0	0	0	0	0	0	0
PALAYANKOTTAI	36.9	+1.6	38.8	14	27.9	+1.2	26.3	22	0.0	0.0	- 10.2	0.0	..	0	- 1.0	21.5	16.6	+1.3	0	0	0	0	0	0	0	0	0	0
KANNIYAKUMARI	30.7	..	32.9	01	24.8	..	23.1	22	4.2	25.6	..	15.2	07	3	..	22.1	19.5	..	0	3	0	0	0	0	0	0	0	0
PONDICHERRY	36.6	..	39.4	12	27.0	..	25.7	15	0.0	6.3	..	3.0	23	2	..	21.3	17.3	..	0	3	0	0	1	0	0	0	0	0
PORTNOVO	38.3	..	40.5	09	25.1	..	23.3	05	..	1.8	..	1.8	05	0	..	.	13.2	..	0	1	0	0	5	0	0	0	0	0
TUTICORIN H.P.	36.7	..	38.2	03	27.5	..	26.4	22	0.0	0.0	..	0.0	..	0	..	24.5	19.7	..	0	0	0	0	0	0	0	0	0	0
COASTAL MYSORE																												
KARWAR	30.3	+0.9	32.0	05	24.5	-0.3	23.3	14	255.8	733.0	-241.5	84.8	30	25	+ 1.7	8.1	6.4	..	0	28	0	0	0	0	0	0	0	0
HONAVAR	29.4	+0.1	31.6	09	24.1	0.0	22.2	15	338.8	1039.4	- 3.5	125.8	20	27	+ 1.4	..	..	..	0	29	0	0	2	0	0	0	0	
MANGALORE (BAJPE)	29.7	+0.6	33.0	02	23.4	+0.3	22.3	21	354.0	1034.3	+ 47.5	95.6	07	24	- 0.7	8.7	6.4	-2.0	0	29	0	0	8	0	0	0	0	0
MANGALORE	30.0	+0.6	32.6	02	24.2	+0.3	22.6	14	279.7	900.0	- 66.7	90.3	11	27	+ 2.3	11.6	8.8	-0.5	0	29	0	0	1	0	0	0	0	0
MANGALORE H.P.	30.0	..	33.2	02	23.9	..	21.9	21	362.9	924.1	..	102.3	21	26	..	10.3	8.0	..	0	29	0	0	11	0	0	0	13	0
INTERIOR MYSORE NORTH																												
BIDAR	34.4	+1.1	39.0	01	22.9	0.0	19.5	05	50.4	116.2	- 10.3	25.6	19	12	+ 4.6	22.0	19.8	-0.9	0	13	0	0	9	0	3	0	0	0
GULBARGA	35.3	+0.3	40.4	02	23.9	+0.1	21.0	23	7.0	77.2	- 29.2	33.2	26	8	+ 1.2	18.7	15.7	-3.5	0	9	0	0	2	0	0	0	0	0
BIJAPUR	34.1	+0.8	38.5	02	22.8	+0.4	21.1	02	53.0	111.2	+ 35.0	35.2	26	7	+ 1.9	14.8	14.1	+0.6	1	10	0	0	1	0	0	0	0	0
RAICHUR	36.0	+0.9	39.2	01	24.7	+0.6	22.5	15	12.9	25.1	- 71.7	8.2	15	4	- 2.6	18.9	17.9	-2.8	0	9	0	0	3	0	0	0	0	0
BELGAUM	29.5	+2.0	33.8	01	21.6	+1.0	20.4	07	58.6	74.0	-113.7	21.6	27	7	- 5.3	10.3	6.7	-6.3	2	14	0	0	0	0	0	0	0	0
BELGAUM (SAMRA)	29.4	+0.7	33.4	01	21.5	+1.0	20.3	08	83.0	91.0	- 50.2	39.6	27	6	- 1.9	22.3	16.2	-7.4	1	12	0	0	3	0	0	0	0	0
GADAG	32.0	+0.9	35.2	02	22.1	+0.2	21.1	15	41.4	60.9	- 10.2	28.2	27	5	- 0.3	17.8	16.9	-1.3	1	6	0	0	3	0	0	0	0	0
BIDAR A.F.	34.6	..	38.6	01	22.4	..	20.8	20	48.8	92.2	..	16.6	15	9	..	..	..	..	0	12	0	1	16	0	0	0	0	0
INTERIOR MYSORE, SOUTH																												
BELLARY	33.9	+0.2	37.7	02	25.2	+0.5	22.2	27	69.3	89.9	+ 45.4	40.0	27	5	+ 1.9	15.1	12.3	-1.5	0	8	0	0	2	0	0	0	0	0
CHITRADURGA	30.9	+0.3	33.0	03	21.8	+0.4	20.4	28	8.3	17.5	- 44.2	4.6	11	3	- 1.9	14.2	13.0	-1.2	0	8	0	0	0	0	0	0	0	0
SHIMOGA	30.0	+1.0	33.5	01	21.8	+0.1	20.6	12	21.6	58.2	- 87.6	20.2	11	6	- 3.9	8.9	5.7	-1.7	0	7	0	0	0	0	0	0	0	0
AGUMBE	25.1	..	30.5	30	20.8	..	16.2	18	559.3	1495.9	..	199.0	29	29	..	6.8	5.5	..	0	29	0	0	1	21	0	0	0	0
BALEHONNUR	26.6	+1.5	33.9	23	18.3	-0.5	17.5	22	..	322.4	- 79.4	35.0	22	19	- 1.8	..	..	..	0	23	0	0	0	0	0	0	0	0
HASSAN	27.8	+1.0	31.0	01	19.1	-0.3	16.4	27	0.0	19.7	- 64.4	8.0	28	3	- 5.7	15.5	11.6	-3.3	0	3	0	0	0	0	0	0	0	0
BANGALORE	30.0	+1.1	32.2	01	20.2	+0.5	18.8	19	14.7	55.9	- 15.0	24.6	01	5	- 0.7	13.2	11.6	-5.5	1	6	0	0	3	0	0	0	0	0
BANGALORE AERODROME	30.6	+0.9	31.7	14	19.4	-0.5	18.0	19	6.6	55.1	- 14.3	39.4	01	3	- 3.0	28.6	23.9	..	0	6	0	0	3	0	0	0	0	0
MYSORE	27.6	-1.3	30.5	19	20.9	+0.7	19.6	16	44.4	46.1	- 14.4	35.0	03	2	- 3.5	21.9	15.1	+1.2	0	5	0	0	1	0	0	0	0	0
YALANKA A.F.	29.7	..	31.6	03	20.0	..	18.9	09	8.0	144.1	..	107.0	14	4	..	..	..	..	0	7	0	0	4	0	0	0	0	0
KERALA																												
CALICUT	30.2	+0.7	32.3	19	24.2	+0.4	22.0	26	133.5	777.9	- 46.3	145.6	23	23	- 1.2	7.3	5.5	-4.3	0	25	0	0	2	0	0	0	0	0
PALGHAT	29.7	+0.4	32.4	03	23.5	+0.2	22.2	21	151.4	434.4	+ 23.3	77.8	30	18	- 3.1	13.3	9.0	-4.0	0	20	0	0	8	0	0	0	0	0
FORT COCHIN	29.4	+0.4	31.8	20	22.8	-1.3	21.4	14	249.6	733.7	+ 2.4	58.9	01	26	+ 1.1	13.5	10.0	+0.9	0	29	0	0	6	0	0	0	0	0
COCHIN (NAVAL AIR STATION)	30.1	..	32.2	20	23.9	..	22.7	21	185.1	683.4	..	73.0	23	22	..	9.9	8.1	..	0	28	0	0	5	0	0	0	3	0
ALLEPPEY	30.1	+0.6	32.1	06	24.3	+0.4	22.8	12	108.2	475.6	-259.8	53.2	10	24	+ 0.5	12.5	9.6	-3.0	0	28	0	0	0	0	0	0	0	0
PUNALUR	31.1	+0.7	33.3	17	22.1	-1.2	20.5	22	167.6	444.8	-105.5	89.6	23	24	+ 4.9	2.6	2.0	-1.7	0	26	0	0	0	0	0	0	0	0
TRIVANDRUM	29.9	+0.5	30.9	15	23.9	+0.3	22.4	28	36.0	147.8	-208.6	26.2	28	11	- 7.1	16.0	9.6	0.0	3	21	0	0	2	0	0	0	0	0
TRIVANDRUM AERODROME	29.8	+0.1	31.2	02	24.2	+0.4	23.1	28	..	126.9	-243.1	21.5	28	12	- 5.3	.	10.7	+2.7	0	18	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — JUNE 1969 (JYAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
ARABIAN SEA ISLANDS																												
AMINI	30.7	+0.6	31.5	09	26.3	+0.4	23.5	12	16.7	105.0	-275.7	20.4	30	11	- 6.3	36.0	36.0	+6.3	1	17	0	0	0	0	0	0	0	0
AGATTI	..	..	..	..	26.5	..	24.4	19	26.2	85.1	..	14.9	01	11	..	24.6	23.5	..	0	17	0	0	0	0	0	0	0	0
ANDROTH	31.4	..	33.0	03	25.6	..	24.2	11	27.9	230.7	..	47.3	11	15	..	5.9	4.8	..	0	15	0	0	0	0	0	0	0	0
MINICOY	30.9	+0.9	31.4	06	25.5	+0.2	23.1	10	19.1	281.7	- 27.4	200.0	23	8	- 9.4	20.9	18.6	+1.5	4	14	0	0	0	0	0	0	0	0
HILL STATIONS (EXCLUDING KASHMIR)																												
DALHOUSIE	29.0	+1.1	31.8	21	18.4	+0.3	12.0	28	5.8	11.8	-107.8	3.4	26	3	- 3.6	..	..	..	0	5	0	0	0	0	0	0	0	0
DHARMASALA	33.1	+0.9	35.4	11	22.0	-0.8	16.8	27	125.3	181.6	+ 39.3	91.6	27	7	+ 0.1	7.0	5.0	-0.2	2	7	0	1	11	0	0	0	0	0
PHUNTAK	34.7	..	36.3	21	16.0	..	12.8	09	0.8	9.1	..	7.0	28	1	..	10.7	7.7	..	0	4	0	0	16	0	0	0	0	0
SIMLA	25.6	+1.3	27.9	03	17.1	+0.9	9.7	30	41.7	82.3	- 66.8	27.5	30	7	- 2.4	4.9	3.4	-0.3	1	11	0	0	5	0	0	0	0	0
DHARMPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
CHANGAKTA (KANJALIA TOP)	20.0	+2.0	22.0	09	9.6	+8.6	7.1	04	..	48.2	- 69.5	15.2	11	7	- 7.5	..	..	..	0	10	0	0	0	0	0	0	0	0
BADRINATH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JOSHIMATH	28.2	+0.8	30.2	10	14.3	-2.7	9.2	12	0.0	38.0	- 82.9	12.0	23	5	- 5.2	5.2	4.1	-1.8	0	5	0	0	0	0	0	0	0	0
MUSSOORIE	24.9	+0.8	28.1	11	16.9	+0.5	11.7	04	27.4	98.2	-112.8	66.0	04	3	- 6.3	3.2	1.6	-5.7	0	5	0	0	1	0	0	0	0	0
MUKTESWAR (KUMAON)	24.6	+1.4	27.7	11	14.2	-0.6	10.3	22	54.8	84.0	- 92.0	27.0	14	7	- 2.7	14.4	13.0	-2.4	0	10	0	0	18	1	0	0	0	0
NAINITAL	24.2	+0.2	27.4	11	16.5	-0.4	12.5	30	39.2	127.2	-146.1	37.0	04	5	- 6.4	7.3	5.8	-1.7	1	9	0	0	0	0	0	0	0	0
KALIMPONG	27.0	+2.6	28.6	03	17.1	-1.8	16.0	28	36.0	323.0	- 86.2	84.4	05	15	- 2.1	4.9	4.3	-3.5	0	18	0	0	0	0	0	0	0	0
DARJEELING	20.2	+0.9	27.7	23	14.5	-0.2	13.4	05	189.2	465.7	-131.4	116.6	05	17	- 4.1	2.9	2.5	-0.1	0	19	0	0	0	6	0	0	0	0
KOHIMA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SHILLONG (L.S.O.)	23.6	-0.9	26.0	01	17.4	-0.5	15.6	11	148.2	352.1	-123.6	72.9	15	26	+ 5.7	5.9	6.5	+1.8	1	28	0	0	3	4	0	0	0	0
CHERRAPUNJI	23.7	+0.8	26.1	20	17.8	+0.5	16.0	11	0.0	2547.0	-131.2	525.0	11	27	+ 1.6	..	..	..	0	29	0	0	0	0	0	0	0	0
ABU	30.4	+1.3	36.3	11	18.9	-1.6	17.0	01	4.0	14.6	- 86.5	4.2	04	3	- 2.0	8.6	6.0	-5.9	0	5	0	0	2	0	0	0	0	0
AJAL	26.8	+1.5	29.6	01	18.8	+0.1	16.4	24	215.0	584.7	+170.9	230.0	21	15	- 6.2	9.0	10.5	+2.3	0	19	0	0	0	0	0	0	0	0
PACHMARHI	33.3	+1.9	37.2	04	23.5	+1.0	20.4	30	..	20.4	-181.5	5.0	10	4	- 5.7	.	8.6	+1.4	0	9	0	0	6	0	0	0	0	0
MAHABALESHWAR	22.6	+0.7	29.5	01	17.1	+0.2	16.0	15	297.0	442.5	-497.3	67.1	21	22	+ 0.8	13.4	12.9	-1.9	0	25	0	0	1	28	0	0	0	0
KARGANA	22.5	+0.6	27.0	03	15.1	-2.3	14.0	07	221.9	421.5	-184.8	60.2	23	24	+ 1.0	14.5	12.9	-0.6	0	29	0	0	4	0	0	0	0	0
OOTACAMUND	20.5	+2.5	23.6	25	10.5	-0.6	7.0	16	28.4	65.0	- 91.0	22.0	26	4	- 9.3	10.9	5.6	-4.4	0	15	0	0	0	0	0	0	0	0
COONOOR	24.0	+1.7	26.6	11	12.6	-2.6	10.2	09	..	137.4	+ 74.6	35.2	04	10	+ 3.9	..	..	..	0	10	0	0	0	0	0	0	0	0
KODAIKANAL	20.3	+1.8	22.4	21	12.6	+0.4	11.9	29	38.1	62.2	- 46.0	19.6	25	5	- 5.1	10.3	10.8	-3.8	0	14	0	0	5	0	0	0	0	0
MANALI	27.9	..	30.0	10	11.4	..	9.5	13	2.3	45.4	..	22.3	28	3	..	..	..	..	1	4	0	0	0	0	0	0	0	0
NEPAL																												
KATMANDU	29.8	+0.3	33.2	12	19.4	+0.3	17.4	26	60.4	114.8	- 92.7	16.5	17	13	- 1.0	3.5	1.9	+0.2	1	21	0	0	15	0	0	0	0	0
SIKKIM																												
LACHEN	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
HYDROMETEOROLOGICAL OBSERVATORIES																												
DAMODAR CATCHMENT																												
TILAIYA	35.4	..	38.9	13	26.1	..	23.3	04	30.6	163.0	..	61.0	04	6	..	9.3	6.2	..	0	10	0	0	0	0	0	0	0	0
HAZARIBAGH	34.0	..	38.3	13	23.6	..	20.8	14	125.0	130.4	..	58.6	14	6	..	10.5	5.8	..	0	7	0	0	8	3	0	0	0	0
KODAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BOKARO	37.8	..	41.4	12	27.8	..	24.4	07	107.3	127.5	..	30.6	06	9	..	..	..	..	0	12	0	0	0	0	0	0	0	0
MAITHON	36.4	..	40.4	01	24.7	..	21.0	16	177.6	241.8	..	74.8	04	6	..	..	..	..	0	9	0	0	8	0	6	0	0	0
RAMGARH	34.3	..	40.0	11	24.0	..	19.6	24	110.9	136.9	..	40.2	24	11	..	..	..	..	0	16	0	0	11	0	0	0	0	0
PANCHET HILLS	35.9	..	39.5	11	27.0	..	23.1	16	112.9	124.0	..	36.9	05	5	..	4.5	3.5	..	0	8	0	0	0	0	0	0	0	0
DURGAPUR	36.2	..	39.2	01	25.8	..	22.0	01	15.0	141.7	..	56.4	05	6	..	19.9	17.5	..	0	8	0	0	0	0	0	0	0	0
MAHANADI CATCHMENT																												
SONABARAK	36.0	..	40.1	02	23.3	..	17.9	23	..	183.6	..	44.0	23	13	..	..	..	..	0	13	0	0	10	0	0	0	0	0
HIRAKUD	37.8	..	42.2	02	26.9	..	24.0	23	27.0	78.2	..	22.6	07	7	..	7.4	6.2	..	1	13	0	0	11	0	0	0	0	0
JAGDALPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SURIPUR	37.2	..	43.0	02	26.4	..	22.1	03	..	140.9	..	52.9	13	7	..	.	8.8	..	3	12	0	0	0	0	0	0	0	0
KHIJRAWAN	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
NARMADA CATCHMENT																												
BARGA TAWA	40.4	..	44.0	04	27.0	..	22.5	30	0.7	23.7	..	11.4	30	3	..	14.3	10.9	..	0	7	0	0	0	0	3	0	0	0
PUNASA	39.9	..	44.0	02	..	..	..	..	12.3	29.7	..	13.6	07	5	..	18.8	15.7	..	0	5	0	0	0	0	0	0	0	0
THIKRI	39.6	..	42.9	01	26.5	..	22.6	04	..	85.6	..	46.3	04	4	..	..	..	..	0	8	0	0	1	0	0	0	0	0
SABARMATI CATCHMENT																												
DAKOR	39.1	..	41.6	01	26.9	..	21.0	29	1.0	25.6	..	22.0	05	2	..	..	..	..	0	3	0	0	0	0	0	0	0	0
DHAROI	36.5	..	39.8	30	26.5	..	23.6	07	..	21.5	..	13.5	07	3	..	..	..	..	0	4	0	0	0	0	0	0	0	0
GANGAK CATCHMENT																												
JAMUSHM	24.9	..	26.6	05	11.3	..	8.5	14	0.0	12.2	..	12.2	08	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0
KHURI BAZAR	29.9	..	31.9	02	20.8	..	19.5	23	43.4	235.2	..	27.4	23	17	..	..	..	..	1	23	0	0	0	0	0	0	0	0
TIMORE	28.1	..	31.4	03	17.9	..	16.5	29	4.2	50.5	..	23.2	25	4	..	..	..	..	0	10	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JUNE 1969 (JYAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
GADAK CATCHMENT(CONTD)																												
POKHARA	30.2	..	33.2	02	21.5	..	20.0	28	..	296.4	..	36.2	06	15	..	.	3.6	..	0	27	0	0	18	0	0	0	0	0
GORKHA	29.1	..	32.6	02	19.3	..	16.4	15	14.8	201.4	..	47.6	22	11	..	..	..	..	1	19	0	0	17	10	0	0	0	0
NUWAKOT	31.0	..	35.0	02	21.2	..	19.5	15	24.8	157.2	..	43.6	19	11	..	..	..	..	0	13	0	0	0	0	0	0	0	0
GHAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																												
DAILEKH	28.7	..	32.3	16	18.3	..	14.0	27	29.0	120.0	..	52.0	17	5	..	..	..	..	0	9	0	0	0	0	0	0	0	0
GHAGHARA CATCHMENT																												
SALLYANA	28.0	..	32.6	16	19.4	..	16.5	19	16.2	83.2	..	38.5	21	4	..	..	..	..	0	6	0	0	0	0	0	0	0	0
BUTWAL	34.7	..	40.4	02	23.5	..	17.9	16	92.8	295.2	..	65.0	05	12	..	..	..	..	0	18	0	0	0	0	0	0	0	0
BAGHMATI CATCHMENT																												
KATMANDU	..	SEE UNDER NEPAL			..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
KUSI CATCHMENT																												
CHAUTARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
WALUNGCHUNG GOLA	15.4	..	17.5	05	8.8	..	6.9	10	74.7	276.4	..	28.5	21	22	..	..	..	..	1	27	0	0	0	0	0	0	0	0
TAPLETHOK	28.2	..	30.6	29	18.5	..	17.2	16	56.0	246.6	..	47.6	21	11	..	..	..	..	0	12	0	0	0	0	0	0	0	0
BHUJPUR	23.5	..	26.5	01	18.3	..	17.0	06	56.0	151.6	..	29.6	05	11	..	..	..	..	0	14	0	0	0	0	0	0	0	0
TAPLEJUNG	24.4	..	26.5	03	17.3	..	16.0	17	30.1	213.6	..	33.0	10	17	..	5.2	3.0	..	1	24	0	0	2	7	0	0	0	0
OKHALDHUNGA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
CHAINPUR	28.3	..	32.5	02	20.0	..	18.7	06	28.6	137.1	..	26.4	05	11	..	..	..	..	0	14	0	0	0	0	0	0	0	0
BARAHAKSHETRA	31.7	..	37.4	02	24.6	..	22.8	15	274.8	606.7	..	132.5	24	20	..	5.7	3.4	..	2	21	0	0	9	0	0	0	0	0
TISTA CATCHMENT																												
GANGTOK	23.2	..	26.8	01	16.3	..	15.1	16	134.8	631.6	..	71.2	28	23	..	4.2	3.6	..	0	28	0	0	1	19	0	0	0	0
GEZING	25.7	..	30.5	03	17.7	..	16.5	18	34.8	245.5	..	36.9	05	18	..	..	..	..	0	26	0	0	0	0	0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JUNE 1969 (JYAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or Mt. in gms. of normal standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAY ISLANDS																											
HAVA BANDAR	0830	28	1007.6	1004.5	+0.3	27.5	25.9	25.2	32.0	87	+ 1	6.3	+0.3	17.5	0	14	15	00	0	0	0	0	28	1	0	1	0
	1730	28	1005.2	1002.1	-0.3	28.2	26.1	25.2	32.0	84	- 4	6.2	-0.1	18.9	0	18	10	00	0	0	0	0	26	2	0	2	0
LONG ISLAND	0830	25	1007.9	1005.0	+0.8	27.9	26.1	25.3	32.3	86	+ 0	7.4	+1.0	3.7	0	0	29	00	0	0	0	0	29	0	0	1	0
	1730	25	1006.1	1003.3	+0.6	28.2	26.1	25.3	32.3	85	- 1	6.9	+0.3	3.3	0	0	26	00	0	0	0	0	26	0	0	4	0
PORT BLAIR	0530	79	1006.7	997.8	..	26.1	25.0	24.5	30.8	91	..	7.0	..	13.8	0	8	22	00	0	0	0	3	24	3	0	0	0
	0830	79	1007.9	999.1	+0.4	27.6	25.7	24.9	31.6	86	+ 3	6.7	+1.2	16.1	0	10	20	00	0	0	0	2	24	4	0	0	0
	1130	79	1007.2	998.4	..	28.4	26.0	24.9	31.5	82	..	6.9	..	17.5	0	11	19	00	1	1	0	4	20	4	0	0	0
	1430	79	1005.5	996.6	..	28.2	26.0	25.0	31.7	84	..	7.3	..	16.5	0	10	19	01	0	0	0	3	20	5	0	1	0
	1730	79	1005.8	996.9	+0.2	27.2	25.6	24.9	31.4	87	- 1	7.1	-0.3	14.9	0	9	20	00	0	0	0	3	24	2	0	1	0
	2030	79	1007.6	998.6	..	26.5	25.2	24.7	31.1	90	..	5.5	..	10.0	0	2	27	00	0	0	0	1	25	2	1	1	0
	2330	79	1007.3	998.4	..	26.3	25.3	24.8	31.4	92	..	6.2	..	14.8	0	5	25	00	0	0	0	0	28	0	2	0	0
CAR NICOBAR	0830	10	1008.8	1007.6	+0.3	28.8	26.7	25.8	32.9	84	+ 0	6.5	-0.1	3.5	0	0	29	00	0	0	2	0	27	0	0	1	0
	1730	10	1006.6	1005.5	+0.2	27.5	26.1	25.5	32.7	89	+ 3	6.8	+0.2	2.1	0	0	27	00	0	0	1	0	26	0	0	3	0
CAMPBELL BAY	0830	26	1009.7	1006.8	+0.4	27.9	25.7	24.8	31.3	84	+ 1	5.8	-0.7	9.3	0	0	30	00	0	0	0	0	21	9	0	0	0
	1730	26	1007.6	1004.7	+0.3	27.4	25.5	24.7	31.1	85	+ 2	5.6	-0.9	8.5	0	0	30	00	0	0	0	1	15	13	1	0	0
DIGLIPUR	0830	8	1010.5	1009.6	+1.2	28.1	26.3	25.4	32.5	86	+ 3	6.3	-0.2	9.9	0	4	22	00	1	13	12	0	0	0	0	4	0
	1730	8	1008.7	1007.8	+1.4	27.4	25.7	24.9	31.6	86	+ 2	6.2	-0.4	8.8	0	4	19	00	0	11	12	0	0	0	0	7	0
PORT BLAIR/LITTLE ANDAMAN	0830		1009.0	1008.2	..	28.6	27.1	26.4	34.5	88	..	7.1	..	8.5	0	0	30	00	0	0	0	0	30	0	0	0	0
	1730		1006.7	1005.9	..	27.7	26.6	26.1	33.9	91	..	7.3	..	7.9	0	0	30	00	0	0	0	1	29	0	0	0	0
ASSAM (INCLUDING NEFA)																											
DHUBRI	0830	157	1002.9	985.4	-0.5	26.7	24.4	23.3	28.7	83	+ 0	6.7	-0.2	4.5	0	1	24	01	4	2	2	0	0	0	16	5	0
	1730	157	999.6	982.2	-0.2	27.9	25.2	24.1	30.1	81	+ 3	5.7	+0.0	2.5	0	0	18	02	1	1	0	2	0	0	12	12	0
GAUHATI (MOHANBARI)	0230	111	1000.8	988.2	..	24.7	24.0	23.7	29.4	94	..	6.8	..	4.0	0	0	15	01	8	4	0	0	2	0	0	15	0
	0530	111	1001.6	989.1	..	24.7	24.0	23.7	29.1	94	..	7.0	..	3.7	0	0	19	01	9	3	1	2	0	0	3	11	0
	0830	111	1002.6	990.2	-0.3	26.9	25.2	24.5	30.7	87	+ 3	7.1	+0.0	5.4	0	0	26	01	14	6	1	2	1	0	1	4	0
	1130	111	1001.8	989.4	..	28.6	26.0	24.9	31.6	82	..	6.8	..	7.1	0	0	27	02	11	7	3	1	1	1	1	3	0
	1430	111	999.3	987.1	..	29.9	26.4	24.9	31.7	77	..	6.4	..	7.9	0	2	27	04	17	4	0	0	1	1	2	1	0
	1730	111	999.0	986.7	-0.3	28.6	25.9	24.7	31.2	80	+ 3	6.2	+0.2	6.3	0	0	26	05	14	2	1	0	2	1	1	4	0
	2030	111	1001.2	988.7	..	26.3	25.2	24.9	31.2	92	..	5.8	..	3.8	0	1	15	01	12	3	0	0	0	0	0	14	0
	2330	111	1001.6	989.0	..	25.7	24.8	24.4	30.6	93	..	6.6	..	6.5	0	0	22	02	16	1	0	1	1	1	0	8	0
GIRGOI	0830		(R)																								
	1730		(R)																								
NORTH LAKHIMPUR	0830	102	1002.8	991.3	+0.0	26.7	25.2	24.5	30.8	88	+ 0	6.8	-0.2	5.3	0	0	26	04	13	2	0	3	1	0	0	4	3
	1130	102	1002.0	990.6	..	28.9	26.1	24.9	31.5	80	..	6.4	..	6.3	0	0	29	02	13	2	0	6	3	0	0	1	3
	1430	102	999.6	988.2	..	29.8	26.5	25.1	31.9	77	..	6.3	..	6.7	0	0	27	00	14	6	0	1	3	0	0	3	3
	1730	102	999.1	987.8	-0.1	28.6	26.2	25.3	32.2	83	+ 1	6.3	+0.4	4.5	0	0	25	04	13	1	2	2	1	1	0	5	1
	2030	102	1001.1	989.6	..	26.7	25.7	25.2	32.2	92	..	6.1	..	4.6	0	0	22	10	8	1	1	0	0	0	2	8	0
SIBSAGAR	0830		(R)																								
	1730		(R)																								
JORHAT	0830	83	1002.6	993.4	..	27.1	25.6	24.9	31.5	88	+ 1	6.6	..	1.7	0	0	18	00	1	13	0	0	0	4	0	12	0
	1730	83	999.0	989.8	..	28.9	26.6	25.7	33.0	83	+ 3	6.2	..	0.7	0	0	9	01	0	4	0	0	0	4	0	21	0
MAJRAT	0830	120	1001.9	988.4	-0.9	26.9	25.7	25.2	32.2	91	..	4.7	-1.7	1.2	0	0	11	00	6	0	2	0	3	0	0	18	0
	1730	120	998.6	985.3	-0.1	28.7	27.3	26.6	35.1	89	..	3.8	-1.7	0.8	0	0	6	00	3	0	0	0	3	0	0	24	0
JORHAT AERODROME	0530	90	1001.2	991.2	..	25.4	24.8	24.6	30.8	95	..	7.1	..	3.0	0	1	7	00	5	1	1	0	0	1	0	22	0
	0830	90	1002.4	992.3	..	28.1	25.9	25.0	31.7	84	..	7.0	..	6.2	0	0	19	01	9	2	1	0	1	3	2	11	0
	1130	90	1001.3	991.2	..	30.2	26.8	25.3	32.4	76	..	6.5	..	9.8	0	3	23	05	9	3	0	0	2	0	6	4	1
	1730	90	998.5	988.8	..	29.2	26.3	24.8	31.4	79	..	6.1	..	5.9	0	1	20	02	11	2	0	1	1	1	3	9	0
	2330	90	1001.2	991.2	..	26.8	24.5	23.4	29.0	82	..	6.0	..	5.9	0	2	9	00	7	1	0	1	0	2	0	19	0
TAMULA	0830	78	1000.0	992.8	-0.4	27.7	25.6	24.7	31.3	84	- 1	5.6	-0.3	3.0	0	0	20	00	0	10	0	9	0	1	0	10	0
	1730	78	996.3	989.1	-0.6	29.6	26.7	25.	32.7	79	+ 1	4.6	+0.1	0.9	0	0	7	00	0	1	0	3	0	3	0	23	0
TEZPUR	0830	79	1002.7	993.8	-0.4	26.9	25.4	24.7	31.2	88	+ 3	6.3	-0.2	1.6	0	0	13	00	10	0	1	0	2	0	0	17	0
	1730	79	999.4	990.6	+0.3	29.4	26.6	25.4	32.4	80	+ 0	4.2	-1.0	1.2	0	0	15	00	12	0	0	0	3	0	0	15	0
GOLAGHAT	0830	95	1002.5	991.9	-0.3	27.6	25.8	24.9	31.6	86	+ 1	5.7	-0.8	1.7	0	0	21	04	3	3	1	4	3	0	3	9	0
	1730	95	998.3	987.7	-1.1	29.9	26.4	24.9	31.7	76	- 2	4.8	-0.5	0.6	0	0	7	01	1	2	1	1	1	0	0	18	0
RANGIA	0830	60	1003.3	996.5	..	28.1	26.0	25.1	32.0	85	+ 4	6.4	..	6.3	0	1	26	01	1	14	0	1	1	7	2	2	0
	1730	60	999.8	993.5	..	30.1	25.9	24.8	32.8	91	+15	5.8	..	5.4	0	0	20	01	0	8	1	3	0	6	2	7	0
CHAPARMUKH	0830	66	1002.8	995.5	-0.2	29.5	26.7	25.5	32.6	79	- 4	6.5	+0.0	2.2	0	0	26	00	1	3	20	2	0	0	0	2	0
	1730	66	999.5	992.2	+0.1	29.5	26.5	25.2	32.1	78	- 3	5.6	-0.2	2.0	0	0	10	00	0	2	5	2	0	0	1	10	0
GOALPARA	0830	38	1001.9	997.6	+0.0	26.7	25.0	24.2	30.4	87	+ 0	7.3	+0.4	1.9	0	0	28	01	5	9	3	1	3	2	4	2	0
	1730	38	998.5	994.2	-0.2	29.2	26.3	25.0	32.0	79	- 1	7.3	+1.4	1.0	0	0	29	01	5	11	4	1	3	1	3	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JUNE ,1969(JYAISTHA 11 - ASADHA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.) 62 or more	Wind Speed (Km. p. h.) 20 to 61	Wind Speed (Km. p. h.) 1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NORTH ASSAM (INCLUDING NEFA) (CONTD.)																											
GAUHATI(BHORJHAR)	0230	54	1000.0	993.8	..	[illegible]	25.4	25.1	31.9	95	..	6.3	..	2.5	0	0	9	01	3	2	0	1	1	1	0	21	0
	0530	54	1000.8	994.6	..	25.8	25.2	25.0	31.6	95	..	6.8	..	3.1	0	0	12	00	4	3	1	1	3	0	0	18	0
	0830	54	1001.9	995.8	-0.9	27.9	26.0	25.2	32.1	85	+ 1	6.8	+0.1	5.3	0	0	19	06	4	4	0	2	1	1	1	11	0
	1130	54	1001.1	995.1	..	29.2	26.6	25.5	32.7	81	..	6.6	..	9.3	0	1	24	05	7	2	2	0	1	5	3	5	0
	1430	54	998.9	992.9	..	29.6	27.0	25.8	33.2	80	..	6.8	..	8.0	0	1	26	05	8	1	0	3	2	4	4	3	0
	1730	54	998.4	992.3	-0.9	28.[illegible]	26.6	25.6	32.9	83	+ 3	6.5	+0.4	3.1	0	0	14	03	2	2	0	1	2	2	2	16	0
	2030	54	1000.5	994.4	..	27.0	26.2	25.8	33.2	93	..	6.1	..	2.0	0	0	9	01	1	3	0	2	2	0	0	21	0
	2330	54	1000.8	994.7	..	[illegible]	25.7	25.4	32.5	95	..	6.1	..	2.5	0	0	8	00	3	2	2	0	1	0	0	22	0
[illegible]	0530	45	1000.4	995.2	..	25.6	25.2	25.0	31.7	97	..	6.9	..	5.1	0	0	26	05	8	4	3	2	2	1	1	4	0
	0830	45	1001.5	996.5	-0.1	27.4	25.8	25.0	31.7	87	+ 2	6.9	+0.4	7.2	0	0	30	00	9	9	5	2	5	0	0	0	0
	1130	45	1000.7	995.7	..	28.9	26.4	25.3	32.3	81	..	6.8	..	8.6	0	0	30	03	8	9	3	3	2	2	0	0	0
	1730	45	998.0	992.9	-0.2	28.9	26.7	25.8	33.1	84	+ 3	6.4	+0.7	5.7	0	1	24	02	7	2	2	7	3	2	0	5	0
DHUBRI	0830		..	..	..	..	..	..	..	..	..	6.9	+0.8	15.3	1	0	27	02	12	4	6	1	2	0	1	2	0
	1730		..	..	..	28.0	26.3	25.6	32.8	87	+ 1	5.7	+0.4	1.5	0	0	15	02	6	3	1	1	2	0	0	15	0
LUMDING	0830	149	1003.5	986.9	..	26.5	26.0	24.9	31.7	82	+ 0	5.6	..	1.6	0	0	13	00	0	6	1	1	4	1	0	17	0
	1730	149	999.7	983.3	..	29.[illegible]	26.6	25.3	-32.4	80	..	5.3	..	1.0	0	0	7	01	0	3	1	1	0	1	0	23	0
BOMDILA	0830		..	..	..	16.0	14.8	14.2	16.2	89	..	7.4	..	0.3	0	0	3	00	0	0	0	1	2	0	0	27	0
	1730		..	..	..	15.4	14.2	13.4	15.4	88	..	8.0	..	0.3	0	0	5	00	0	0	0	2	3	0	0	25	0
TAWANG	0830		..	..	..	15.9	15.2	14.8	16.9	94	..	4.0	..	1.5	0	0	17	02	0	8	0	6	0	1	0	13	0
	1730		..	..	..	12.6	11.9	11.5	13.7	94	..	4.4	..	1.8	0	0	24	00	0	3	1	15	0	5	0	6	0
TEZU	0830		..	..	..	27.0	24.9	24.0	29.9	85	..	6.8	..	0.3	0	0	4	00	0	0	0	0	0	0	0	26	4
	1730		..	..	..	28.[illegible]	26.0	24.7	31.2	80	..	5.9	..	0.2	0	0	3	00	0	0	0	0	0	0	0	27	3
ALONG	0830		..	..	..	26.3	23.6	22.9	28.0	84	..	6.4	..	0.1	0	0	2	00	0	0	0	0	1	0	1	28	0
	1730		..	..	..	26.[illegible]	24.3	22.7	27.6	79	..	6.3	..	0.5	0	0	5	00	0	0	0	2	1	2	0	2[illegible]	[illegible]
ZIRO	0830		..	..	..	20.1	18.4	17.6	20.1	86	..	6.2	..	2.6	0	0	13	01	8	0	0	1	0	1	2	17	[illegible]
	1730		..	..	..	21.1	19.0	18.0	20.7	83	..	5.9	..	4.8	0	0	19	01	0	0	4	3	9	2	0	11	0
KHONSA	0830		..	..	..	25.8	22.5	21.1	25.0	76	..	7.0	..	0.2	0	0	3	01	0	1	0	0	0	0	1	27	0
	1730		..	..	..	25.0	22.8	21.7	26.3	85	..	7.1	..	0.3	0	0	5	00	0	2	0	0	0	0	3	24	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
TURA	0830	370	1002.6	961.6	-0.4	26.[illegible]	24.7	24.1	30.0	89	+ 1	7.6	+0.3	6.3	0	0	27	02	3	1	1	8	4	[illegible]	3	3	0
	1730	370	998.7	958.1	-0.8	27.[illegible]	25.5	24.6	31.0	84	+ 0	6.5	-0.3	4.1	0	0	26	00	0	3	6	7	2	6	2	4	0
HAFLONG	0830		..	..	..	23.[illegible]	22.5	21.8	26.2	88	+ 1	6.7	+0.4	3.7	0	0	30	01	0	0	0	4	25	[illegible]	0	0	0
	1730		..	..	..	25.[illegible]	23.1	22.0	26.6	82	+ 1	5.8	+0.1	2.8	0	0	30	00	0	0	0	9	20	1	0	0	0
SILCHAR(KUMBHIRGRAM)	0530	97	1002.2	989.8	..	24.[illegible]	24.1	23.8	29.6	96	..	7.7	..	4.5	0	0	22	00	6	15	0	0	0	1	0	8	0
	0830	97	1003.0	990.7	-0.6	26.[illegible]	25.2	24.4	30.6	86	+ 0	7.2	+0.6	7.7	0	0	29	02	3	22	1	1	0	0	0	1	0
	1130	97	1002.2	989.9	..	29.[illegible]	26.1	24.7	31.1	77	..	6.8	..	7.6	0	1	27	01	2	11	4	1	2	4	1	2	2
	1730	97	1000.1	987.8	+0.0	27.7	25.5	24.5	30.8	83	+ 3	6.9	+1.1	6.9	0	1	23	00	2	6	2	2	4	7	1	6	0
SILCHAR	0830	29	1002.7	999.4	-0.7	[illegible]	25.6	25.0	31.7	90	+ 4	6.4	-0.4	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730	29	999.6	996.3	-0.1	28.[illegible]	26.1	25.0	31.8	82	+ 1	6.3	+0.3	0.3	0	0	3	00	0	0	1	1	1	0	0	27	0
IMPHAL(TULIHAL)	0530	781	1003.2	918.0	..	22.[illegible]	21.8	21.4	25.5	94	..	7.0	..	1.6	0	0	5	00	1	0	1	1	1	0	1	25	0
	0830	781	1003.7	919.1	-0.[illegible]	25.[illegible]	22.5	21.4	25.5	81	+ 1	7.1	+0.3	5.2	0	1	12	01	1	0	3	4	1	2	1	17	0
	1130	781	1002.2	918.2	..	27.[illegible]	23.2	21.4	25.5	72	..	6.8	..	7.3	0	1	17	02	1	1	2	5	3	1	3	12	0
	1430	781	1000.0	916.3	..	27.[illegible]	23.2	21.4	25.4	71	..	6.6	..	14.0	0	5	22	03	1	4	1	4	4	2	8	3	0
	1730	781	1000.3	916.2	+1.[illegible]	25.[illegible]	22.8	21.4	25.6	77	+ 2	6.8	+0.4	11.7	0	4	21	03	0	0	3	10	1	1	7	5	0
	2030	781	1002.9	918.[illegible]	..	23.[illegible]	22.2	21.5	25.6	87	..	6.1	..	4.4	0	0	13	01	0	0	1	4	0	2	5	17	0
	2330	781	1003.2	918.1	..	23.[illegible]	22.1	21.6	25.9	92	..	6.8	..	2.7	0	0	9	03	1	2	0	0	0	2	1	21	0
KAILASHAHAR	0530	29	1002.3	999.[illegible]	..	25.[illegible]	25.0	24.7	31.1	94	..	6.6	..	4.2	0	0	24	00	1	1	13	7	2	0	0	6	0
	0830	29	1003.3	1000.0	-0.4	28.[illegible]	26.0	25.1	31.8	84	+ 1	6.7	-0.1	10.0	0	2	27	00	2	7	6	12	0	1	1	1	0
	1130	29	1002.5	999.3	..	29.[illegible]	26.5	25.3	32.3	79	..	6.9	..	10.4	0	0	30	01	3	3	4	10	5	1	3	0	0
	1730	29	1000.4	997.2	+0.1	27.[illegible]	25.8	25.2	32.2	89	+ 9	6.9	+0.2	6.0	0	0	24	00	0	5	5	13	2	4	0	1	0
AGARTALA	0230	16	999.8	998.0	..	25.7	24.9	24.5	30.8	93	..	6.3	..	10.1	0	2	24	00	2	2	13	8	0	1	0	4	0
	0530	16	1000.3	998.5	..	25.7	24.9	24.6	31.0	94	..	6.9	..	9.7	0	3	24	01	1	5	11	8	1	0	0	3	0
	0830	16	1001.5	999.7	-0.4	28.4	26.2	25.3	32.2	83	- 1	7.1	+0.3	13.7	0	5	24	00	1	2	13	12	1	0	0	1	0
	1130	16	1000.9	999.1	..	29.7	26.6	25.4	32.5	79	..	6.9	..	13.1	0	4	24	00	4	1	9	10	3	1	0	2	0
	1430	16	998.9	997.1	..	29.[illegible]	26.5	25.4	32.5	81	..	6.9	..	13.1	0	3	27	01	2	0	5	15	2	3	2	0	0
	1730	16	998.8	997.0	-0.1	27.[illegible]	25.9	25.1	32.2	86	+ 2	6.8	+0.2	13.4	0	1	28	00	2	2	9	12	2	1	1	1	0
	2030	16	1000.7	998.9	..	26.2	25.3	24.9	31.5	92	..	6.4	..	10.5	0	3	26	00	0	4	9	14	1	1	0	1	0
	2330	16	1000.9	999.[illegible]	..	26.0	25.1	24.7	31.2	93	..	6.2	..	10.3	0	3	24	00	1	4	15	6	0	0	1	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JUNE 1969 (JYAISTHA 11 – ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
THENSANG	0830		(R)																								
	1730		(R)																								
MOKOKCHUNG	0830		(R)																								
	1730		(R)																								
SUB-HIMALAYAN WEST BENGAL																											
BAGHDOGRA	0230	131	1000.2	985.4	..	24.9	24.1	23.6	29.2	93	..	6.9	..	8.1	0	1	20	05	9	4	2	0	0	0	1	9	0
	0530	131	1000.4	985.6	..	24.9	24.3	23.9	29.7	94	..	6.9	..	8.5	0	1	20	05	6	5	4	0	0	1	0	9	0
	0830	131	1001.5	986.8	+0.0	27.3	25.5	24.7	31.1	87	+ 3	6.9	+0.2	12.9	0	0	28	02	8	14	3	0	0	1	0	2	0
	1130	131	1000.9	986.4	..	29.7	26.5	25.2	32.0	77	..	6.7	..	15.8	0	5	24	00	6	14	7	1	0	0	1	1	0
	1430	131	998.6	984.2	..	30.8	27.1	25.6	32.9	75	..	6.5	..	14.5	0	2	28	01	3	12	11	1	2	0	0	0	0
	1730	131	997.9	983.3	-0.3	29.4	26.6	25.3	32.3	80	+ 3	6.1	+0.2	10.6	0	0	25	00	4	9	8	1	2	0	1	4	0
	2030	131	1000.2	985.5	..	27.2	25.7	24.9	31.6	88	..	6.0	..	7.9	0	0	22	02	12	7	1	0	0	0	0	8	0
	2330	131	1001.0	986.3	..	25.9	24.9	24.4	30.6	91	..	6.6	..	8.1	0	0	20	03	9	5	1	0	0	0	2	10	0
JALPAIGURI	0830	83	1001.7	992.4	-0.2	26.3	25.1	24.5	30.8	91	+ 4	6.7	+1.1	5.3	0	0	29	06	6	13	3	1	0	0	0	1	0
	1730	83	998.1	988.9	-0.3	28.7	26.1	25.0	31.8	81	+ 2	4.9	+0.0	3.1	0	0	23	00	9	4	7	3	0	0	0	7	0
COOCH BEHAR AERODROME	0830	43	1001.9	997.1	+0.4	26.9	25.5	25.0	31.6	90	+ 5	6.8	+0.0	6.3	0	1	14	03	3	6	0	1	0	2	0	15	0
	1130	43	1001.3	996.5	..	28.8	26.5	25.6	32.8	84	..	6.7	..	12.4	0	3	27	00	6	13	3	3	1	3	0	0	1
	1730	43	998.5	993.7	+0.3	28.9	26.6	25.7	33.0	83	+ 3	6.6	+0.8	6.6	0	0	24	01	6	8	4	4	1	0	0	6	0
BALURGHAT	0830		(R)																								
	1730		(R)																								
MALDA	0830	31	1000.8	997.3	+0.2	29.3	26.7	25.7	33.1	81	+ 0	5.5	-0.7	2.7	0	0	28	01	1	8	5	10	1	1	1	2	0
	1730	31	996.9	993.5	-0.2	31.5	27.5	25.8	33.4	73	- 2	5.7	-0.1	1.9	0	0	23	00	1	7	8	4	1	1	1	6	0
GANGETIC WEST BENGAL																											
BERHAMPORE	0830	19	1000.1	998.0	-0.6	30.3	27.5	26.7	35.1	82	+ 2	6.3	+0.2	3.7	0	0	18	00	0	5	3	9	0	1	0	12	0
	1730	19	997.2	995.1	+0.2	31.2	27.8	26.1	33.9	77	+ 3	6.7	+0.6	2.8	0	0	12	00	0	5	3	4	0	0	0	18	0
SURI	0830		..	..	..	31.2	27.0	25.4	32.4	72	- 4	3.2	-2.5	4.4	0	0	30	01	0	8	2	18	1	0	0	0	0
ASANSOL	0230	126	998.3	984.2	..	28.0	25.7	24.7	31.1	83	..	4.8	..	2.7	0	0	19	00	2	2	4	5	3	2	1	11	0
	0530	126	998.9	984.8	..	27.6	25.8	25.0	31.7	86	..	5.7	..	2.3	0	0	18	00	1	3	3	7	1	2	1	12	0
	0830	126	1000.1	986.2	+0.3	31.0	27.0	25.4	32.5	72	- 2	5.4	-0.1	5.1	0	0	28	01	0	1	8	7	5	4	2	2	0
	1130	126	999.1	985.4	..	34.4	27.8	25.2	32.0	60	..	5.2	..	6.3	0	0	28	01	2	3	4	6	4	4	4	2	0
	1430	126	996.9	983.2	..	34.8	27.6	24.7	31.2	58	..	5.6	..	4.4	0	0	24	01	4	4	4	7	1	2	1	6	0
	1730	126	996.7	982.9	+0.5	32.5	27.0	24.6	31.1	65	+ 0	6.2	-0.1	5.1	0	0	27	01	5	4	3	7	3	3	1	3	0
	2030	126	998.8	984.9	..	29.6	26.1	24.6	31.1	76	..	5.2	..	4.2	0	0	24	00	3	1	3	10	4	1	2	6	0
	2330	126	999.4	985.4	..	28.8	25.9	24.6	31.1	79	..	4.5	..	3.8	0	0	21	01	3	1	4	8	3	1	0	9	0
SHANTI NIKETAN	0830	59	1000.8	994.2	..	30.1	26.8	25.4	32.6	76	..	5.4	..	5.3	0	0	23	00	0	3	3	9	6	1	1	7	0
	1130	59	1000.2	993.7	..	32.7	26.8	24.2	30.3	62	..	5.1	..	3.3	0	0	20	00	0	2	3	9	6	0	0	10	0
	1730	59	997.2	990.6	..	32.4	26.9	24.6	31.0	65	..	6.4	..	3.7	0	0	19	00	1	2	5	8	3	0	0	11	0
KRISHNANAGAR	0830	15	1000.3	998.7	-0.2	30.8	27.8	26.7	34.9	79	- 2	4.1	-1.9	2.5	0	0	21	00	1	1	3	16	0	0	0	9	0
	1730	15	998.3	996.7	+0.9	31.1	27.6	26.2	34.0	77	- 1	5.0	-1.2	1.6	0	0	16	00	0	2	2	12	0	0	0	14	0
PURULIA	0830	255	1000.2	972.3	+0.2	30.4	25.9	24.0	29.8	69	- 1	4.9	-0.4	4.4	0	0	29	00	4	0	8	8	5	3	1	1	0
	1730	255	996.8	969.1	+0.4	32.1	25.9	23.1	28.4	61	+ 0	6.3	-0.4	3.7	0	0	28	03	2	0	9	4	6	3	1	2	0
BANKURA	0830	100	999.8	988.8	..	30.9	26.9	25.3	32.3	73	..	2.8	..	1.1	0	0	16	00	1	2	0	7	3	1	0	14	2
	1730	100	998.4	987.4	..	30.3	25.9	24.0	29.9	72	..	3.5	..	0.2	0	0	2	00	0	0	0	2	0	0	0	28	0
BURDWAN	0830	32	1000.5	995.9	-0.7	31.0	27.2	25.5	32.8	73	- 7	4.3	-0.5	8.1	0	0	29	00	2	8	6	5	4	3	1	1	0
	1730	32	997.3	993.5	+0.1	32.1	27.1	25.1	31.8	69	- 3	4.7	-0.6	5.8	0	2	20	00	0	9	3	3	7	0	0	7	0
CALCUTTA (DUM DUM)	0230	6	998.7	998.0	..	27.7	26.6	26.2	34.0	91	..	4.7	..	10.0	0	2	23	00	1	1	8	8	4	1	2	5	0
	0530	6	999.1	998.4	..	27.6	26.5	26.1	33.9	92	..	5.9	..	9.5	0	3	20	01	1	3	3	7	6	1	1	7	0
	0830	6	1000.6	999.9	+0.1	29.8	27.2	26.2	34.0	82	+ 3	6.8	+0.3	15.1	0	4	26	01	0	2	4	11	8	3	1	0	0
	1130	6	999.7	999.0	..	32.4	27.7	25.9	33.5	69	..	6.5	..	15.3	0	7	23	00	0	4	6	9	8	3	0	0	0
	1430	6	997.8	997.1	..	32.6	27.6	25.6	32.8	68	..	7.0	..	15.4	0	8	21	00	1	4	5	8	7	4	0	1	0
	1730	6	997.3	996.6	-0.1	31.3	27.5	25.9	33.5	74	- 3	6.8	+0.4	14.5	0	7	22	00	0	2	6	15	6	0	0	1	0
	2030	6	999.4	998.7	..	29.3	27.1	26.2	34.0	84	..	5.2	..	13.1	0	3	27	00	0	1	8	15	6	0	0	0	0
	2330	6	999.8	999.1	..	28.3	26.7	26.1	33.9	88	..	4.4	..	11.1	0	2	26	00	0	2	8	14	4	0	0	2	0
CALCUTTA	0830	6	1000.6	999.9	+0.2	30.7	27.4	26.2	34.0	77	- 3	7.1	+1.0	8.9	0	1	28	00	2	3	4	9	7	2	2	1	0
	1130	6	999.8	999.1	..	33.1	27.8	25.7	33.0	66	..	6.7	..	10.1	0	0	30	00	1	4	4	12	3	6	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JUNE 1969 (JYAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GANGETIC WEST BENGAL (CONTD.)																											
CALCUTTA	1730	6	997.4	996.7	+0.0	31.6	27.5	25.9	33.4	72	- 5	6.9	+0.6	9.1	0	0	29	00	0	3	6	15	4	1	0	1	0
MIDNAPORE	0830	45	1000.5	995.4	+0.3	30.6	27.3	26.5	34.3	75	- 1	5.8	+0.4	31.8	1	0	26	03	2	3	2	13	2	2	0	3	0
	1730	45	997.6	992.6	+0.6	30.9	26.7	24.9	31.7	72	+ 0	6.5	+0.4	5.0	0	2	20	01	0	1	4	7	7	1	0	8	1
CONTAI	0830	11	1000.4	999.2	+0.2	30.3	27.6	26.5	34.7	80	- 1	6.4	+1.1	9.6	0	3	23	03	3	0	4	4	7	2	3	4	0
	1730	11	997.9	996.7	+0.2	30.1	27.5	26.4	34.6	81	- 1	6.7	+1.3	13.5	0	7	23	00	1	0	13	7	6	1	1	0	1
SAGAR ISLAND	0830	3	1000.2	999.9	-0.1	30.0	27.8	26.9	35.6	84	+ 4	6.3	+0.3	16.9	0	12	18	00	2	3	3	9	7	4	2	0	0
	1730	3	997.5	997.2	-0.1	30.5	27.9	26.8	35.3	81	- 1	6.1	+0.2	21.5	0	15	14	00	0	3	7	13	5	0	1	1	0
SANDHEADS	0530	10	998.7	997.6	..	29.4	27.4	26.6	34.9	85	..	6.1	..	29.9	0	21	9	00	0	1	2	6	18	2	1	0	0
	0830	10	1000.5	999.4	-0.2	30.1	27.6	26.6	34.8	82	+ 0	6.1	+0.3	27.6[b]	0	20	7	01	1	1	2	1	17	1	3	2	0
	1130	10	1000.2	999.2	..	30.6	27.7	26.5	34.6	79	..	6.2	..	27.3	0	18	12	00	1	2	1	3	21	1	1	0	0
	1730	10	997.4	996.3	-0.5	30.5	27.6	26.4	34.5	79	- 6	6.1	+0.5	33.0	0	24	6	01	0	0	3	12	14	0	0	0	0
	2330	10	999.8	998.7	..	29.6	27.5	26.0	34.9	85	..	.	..	30.5	0	21	9	00	1	1	2	5	19	1	1	0	0
NARENDRAPUR	0830		(R)																								
	1730		(R)																								
BAGATI	0830		..	..	..	30.4	27.8	26.8	35.4	82	..	5.9	..	8.0[b]	0	0	28	00	4	0	6	1	14	2	0	1	1
	1730		..	..	..	30.9	27.8	26.5	34.7	79	..	5.8	..	7.3	0	1	28	01	4	0	9	0	12	0	0	1	3
ORISSA																											
BARIPADA	0830	54	1001.0	995.0	+0.6	30.5	27.2	25.9	33.4	77	- 1	5.7	+0.0	1.7	0	0	17	02	2	1	2	4	5	1	0	13	0
	1730	54	998.3	992.2	+0.4	30.7	27.0	25.5	32.7	75	+ 0	6.9	+1.2	3.5	0	0	22	01	1	2	5	6	4	2	1	8	0
JHARSUGUDA	0230	230	999.3	973.8	..	27.4	24.9	23.8	29.5	81	..	6.2	..	7.6	0	2	26	02	2	1	1	9	6	6	1	2	0
	0530	230	999.7	974.1	..	26.9	24.8	23.9	29.8	84	..	6.1	..	6.8	0	1	24	01	1	0	2	9	8	3	1	5	0
	0830	230	1000.8	975.4	+0.7	30.0	25.7	23.8	29.5	70	+ 6	5.1	-0.4	12.5	0	3	27	00	3	0	0	3	10	11	3	0	0
	1130	230	999.7	974.7	..	33.8	26.4	23.0	28.2	54	..	5.0	..	11.8	0	4	24	01	0	0	0	2	2	17	6	2	0
	1430	230	996.8	972.1	..	36.2	26.8	22.5	27.5	47	..	5.3	..	14.3	0	6	24	02	0	2	0	3	5	12	6	0	0
	1730	230	996.5	971.5	+0.5	33.1	25.8	22.4	27.2	56	+ 4	6.6	+0.2	15.6	0	10	19	05	3	0	3	5	7	5	1	1	0
	2030	230	999.2	973.9	..	30.2	25.4	23.1	28.4	67	..	6.7	..	10.8	0	3	25	02	1	2	4	9	6	3	1	2	0
	2330	230	1000.3	974.8	..	28.3	25.1	23.6	29.3	77	..	7.1	..	9.3	0	1	26	00	3	1	5	6	7	5	0	3	0
KEONJHARGARH	0830	463	1001.4	950.9	+0.4	28.3	24.3	22.5	27.3	71	+ 2	3.5	-1.6	1.8[b]	0	0	23	01	0	6	0	0	4	11	1	6	0
	1730	463	998.4	948.3	+0.4	29.9	24.9	22.7	27.6	69	+ 6	3.1	-3.4	2.0	0	0	30	01	2	2	4	0	8	9	4	0	0
BALASORE	0830	20	1000.6	998.4	+0.5	30.1	27.1	25.7	33.1	78	+ 0	6.6	-0.1	10.0	0	3	25	01	3	0	4	6	13	0	1	2	0
	1730	20	997.6	995.4	+0.4	30.5	27.0	25.5	32.7	75	- 2	6.6	-0.1	10.0	0	2	27	01	1	0	3	18	5	0	1	1	0
SAMBALPUR	0830	148	1000.0	983.9	-0.2	29.0	25.0	23.1	28.3	72	+ 3	5.8	+0.3	1.1	0	0	16	00	0	1	0	0	14	1	0	14	0
	1730	148	996.4	980.3	+0.0	33.9	26.6	23.1	28.7	55	- 2	5.0	-1.1	2.9	0	0	21	02	1	1	1	2	12	2	0	9	0
ANGUL	0830	139	1001.0	985.6	+0.4	29.7	26.1	24.5	30.8	74	+ 3	7.0	+1.0	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	139	997.4	982.3	+0.7	32.4	26.4	23.9	29.7	63	+ 6	7.7	+1.3	..	.	..	..	..	..	..	..	..	..	..	..	..	..
CHANDBALI	0830	6	1001.1	1000.4	+0.6	29.6	27.0	25.9	33.5	81	+ 2	6.1	+0.5	7.0	0	0	30	01	1	0	3	10	9	3	3	0	0
	1730	6	998.0	997.3	+0.4	30.9	27.2	25.7	33.1	74	- 1	6.3	+0.9	9.6	0	2	28	01	0	4	5	8	10	0	2	0	0
BOLANGIR	0830	190	1001.2	980.1	+0.1	29.8	26.7	25.2	32.1	74	+ 1	5.0	-0.3	3.7	0	0	24	00	0	0	1	14	9	0	0	6	0
	1730	190	996.9	976.3	-0.8	34.0	27.8	25.5	32.6	63	+ 1	6.3	+0.0	4.5	0	0	27	03	1	1	2	13	6	0	1	3	0
PHULBANI	0830	464	1001.1	947.4	..	29.0	24.6	22.7	27.7	70	..	3.2	..	0.4	0	0	5	00	0	0	1	1	2	1	0	25	0
	1730	464	997.9	944.5	..	31.2	25.0	22.3	27.1	62	..	3.9	..	0.6	0	0	6	00	0	0	1	0	1	4	0	24	0
CUTTACK	0830	27	1001.5	998.5	+0.7	30.3	26.8	25.3	32.4	75	- 1	4.6	-0.5	3.7[b]	0	0	21	01	0	1	1	3	7	8	0	8	0
	1730	27	998.1	995.1	+0.5	32.3	27.2	25.1	32.0	65	- 4	4.8	-1.4	4.5	0	0	22	00	0	0	2	4	12	3	1	8	0
TITLAGARH	0830	211	1001.5	978.2	+0.8	28.5	25.5	24.1	30.1	78	+14	4.7	-0.1	2.0	0	0	30	00	2	0	2	0	23	0	3	0	0
	1730	211	997.4	974.5	+0.7	33.4	26.9	24.0	30.1	59	+ 8	4.6	-0.1	2.0	0	0	30	00	0	0	2	1	24	0	3	0	0
BHUBANESWAR	0230	46	999.5	994.3	..	27.7	26.0	25.2	32.2	87	..	5.2	..	10.9	0	1	25	00	0	1	1	11	7	5	1	4	0
	0530	46	999.6	994.5	..	27.5	25.9	25.2	32.1	87	..	6.3	..	9.2	0	4	15	02	0	0	0	8	5	4	0	11	0
	0830	46	1001.2	996.0	+0.5	30.2	26.5	25.0	31.8	74	- 4	6.5	+0.4	12.8	0	6	19	02	1	1	1	12	6	1	1	5	0
	1130	46	1000.5	995.4	..	30.3	26.7	23.8	29.6	58	..	6.4	..	17.3	0	12	18	01	1	1	1	12	7	4	3	0	0
	1430	46	998.4	993.3	..	[illegible]	26.7	23.5	29.0	56	..	7.0	..	17.5	0	14	13	02	0	1	2	14	4	2	2	3	0
	1730	46	998.0	992.9	+0.2	30.9	26.5	24.5	30.9	70	- 1	6.7	+0.5	19.5	0	13	17	02	0	2	3	13	6	2	2	0	0
	2030	46	1000.3	995.1	..	29.1	26.6	25.5	32.8	81	..	5.2	..	15.2	0	10	17	00	1	0	5	13	3	3	2	3	0
	2330	46	1000.7	995.5	..	28.3	26.1	25.1	32.0	83	..	5.2	..	13.6	0	2	28	00	0	2	2	9	12	3	2	0	0
PURI	0830	6	1002.1	1001.4	+1.1	29.6	27.0	26.1	33.9	82	+ 0	5.7	-0.2	19.2[b]	0	13	16	03	0	1	0	5	16	1	1	0	2
	1730	6	999.3	998.6	+1.3	29.4	26.6	25.5	32.5	80	- 5	5.9	+0.0	14.0	0	6	24	03	0	0	0	1	23	1	2	0	0
GOPALPUR	0530	17	1000.1	998.2	..	27.5	26.1	25.5	32.7	89	..	6.8	..	6.6	0	3	14	02	0	0	0	1	8	0	6	13	0
	0830	17	1004.8	999.6	+0.5	28.5	28.1	27.8	34.8	83	+ 3	6.6	+0.9	9.8	0	5	17	01	0	2	0	2	14	1	2	8	0
	1130	17	1001.2	999.3	..	30.7	27.7	26.4	34.5	78	..	6.2	..	16.1	0	9	18	00	0	0	1	8	17	0	1	3	0
	1730	17	998.6	996.7	+0.4	29.5	27.2	26.3	34.3	83	- 1	7.3	+1.6	17.1	0	10	18	00	0	0	2	6	17	0	3	2	0
	2330	17	1001.0	999.1	..	28.4	26.6	25.9	33.5	86	..	5.8	..	11.9	0	7	16	01	1	0	0	0	17	1	3	7	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JUNE 1969 (JYAISTHA 11 – ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORISSA (CONTD)																											
KORAPUT	0830	913	1463.7	905.3	+1.1	25.0	22.2	20.7	24.5	78	+ 1	5.9	+0.4	16.0	0	0	30	00	0	0	1	0	23	0	6	0	0
	1730	913	1437.8	902.2	+0.4	27.1	23.7	22.2	27.0	76	+ 9	6.8	+0.8	18.6	0	2	28	03	1	0	0	1	15	4	6	0	0
PARADIP PORT	0830	11	1001.7	1000.8	..	28.6	27.0	26.3	34.3	88	..	3.1	..	24.0	0	18	12	00	2	0	5	17	6	0	0	0	0
	1730	11	997.9	997.0	..	28.7	27.0	26.3	34.3	87	..	2.7	..	31.7	0	26	4	00	2	0	2	15	11	0	0	0	0
BHUBANESWAR	0830	196	1001.2	979.5	..	30.2	25.8	23.8	29.5	69	..	4.8	..	7.6	0	6	11	01	0	1	1	2	4	8	0	13	0
	1730	196	997.2	975.8	..	33.0	26.1	23.1	28.3	58	..	5.9	..	13.9	0	7	19	00	4	2	2	2	3	9	4	4	0
BHUBANESWAR PATNA	0830	267	..	..	..	30.7	25.7	23.4	28.9	67	..	3.4	..	4.2	0	0	29	00	0	0	0	4	19	5	0	0	1
	1730	267	..	..	..	34.2	27.0	24.4	30.1	58	..	3.7	..	27.6	2	0	28	01	1	1	4	6	12	4	0	1	0
BIHAR PLATEAU																											
[illegible]	0830	149	1000.2	983.8	+0.3	30.8	26.5	24.8	31.4	72	- 4	3.6	-0.5	4.0	0	0	24	00	2	13	2	2	3	2	0	6	0
	1730	149	996.7	980.4	+0.2	32.1	26.8	24.6	31.0	66	- 4	3.8	-1.4	4.5	0	0	26	02	5	11	2	3	2	0	1	4	0
[illegible]	0830	221	998.4	974.3	-0.5	33.2	26.3	23.2	28.4	58	+ 2	4.0	-0.7	3.2	0	0	22	01	5	0	0	0	12	0	4	8	0
	1730	221	995.6	971.7	+0.6	34.5	26.1	22.1	27.2	51	+ 3	7.1	+0.1	5.2	0	0	27	04	8	0	3	0	7	3	2	3	0
HAZARIBAGH	0830		..	..	..	..	..	..	..	..	..	5.2	-0.9	3.7	0	0	24	01	0	2	2	3	6	4	6	6	0
	1730		..	..	..	..	..	..	..	..	..	6.6	-0.2	5.2	0	0	27	04	3	4	5	1	2	1	7	3	0
[illegible]	0830	257	999.5	971.1	-0.6	31.4	27.0	25.0	32.9	63	- 7	5.1	+0.4	3.7	0	1	26	01	1	1	13	0	8	0	2	3	1
	1730	257	996.0	968.2	..	32.6	26.4	23.5	27.9	61	..	4.9	..	5.0	0	1	26	00	4	1	10	0	1	0	11	3	0
[illegible]	0530	652	998.7	927.9	..	25.0	22.8	21.8	26.2	83	..	4.6	..	10.1	0	2	22	00	1	0	0	2	13	7	1	6	0
	0830	652	999.3	929.1	-0.2	28.0	23.8	22.0	26.5	70	+ 1	3.8	-1.6	14.1	0	4	25	00	2	2	2	4	13	3	3	1	0
	1130	652	998.0	928.7	..	31.7	24.1	20.7	24.5	54	..	3.9	..	17.5	0	6	23	03	2	4	1	1	7	8	3	1	0
	1430	652	996.1	926.9	..	31.6	24.3	21.0	25.0	56	..	5.5	..	17.8	0	7	23	01	5	7	1	4	2	4	6	0	0
	1730	652	996.6	926.5	-0.1	28.1	23.6	21.6	25.9	70	+ 9	6.5	+0.4	14.7	0	4	25	04	5	4	3	0	8	1	4	1	0
	2030	652	999.0	928.5	..	26.5	23.4	22.1	26.7	78	..	5.0	..	9.9	0	0	24	01	0	2	3	8	4	2	4	6	0
JAMSHEDPUR	0830	129	1000.7	986.4	+0.8	30.3	26.4	24.7	31.2	73	+ 3	4.2	-1.0	3.5	0	0	25	00	0	2	2	0	4	11	6	5	0
	1730	129	997.4	983.3	+1.1	32.2	26.7	24.4	30.8	65	+ 5	5.3	-1.1	5.2	0	0	29	01	1	5	5	2	6	5	4	1	0
JAMSHEDPUR P.R.O.	0530	142	998.9	983.1	..	27.6	25.[illegible]	24.4	30.6	84	..	6.2	..	2.1	0	0	12	01	1	5	0	0	1	4	0	18	0
	0830	142	1000.2	984.5	+0.5	30.3	26.2	24.4	30.5	71	+ 1	5.5	-0.4	5.5	0	0	19	00	1	4	0	0	6	7	1	11	0
	1130	142	999.2	983.8	..	33.7	26.8	23.7	29.4	57	..	4.7	..	8.4	0	1	25	00	2	3	1	2	6	11	1	4	0
	1430	142	996.9	981.5	..	34.7	26.9	23.6	29.1	55	..	5.7	..	9.9	0	3	26	00	0	7	4	3	3	4	8	1	0
	1730	142	996.6	981.1	+0.2	31.9	25.8	23.0	28.2	62	+ 1	6.5	-0.4	10.9	0	2	23	02	1	5	5	4	2	3	3	5	0
	2030	142	999.0	983.3	..	29.5	25.7	23.9	29.8	73	..	6.4	..	7.3	0	1	20	02	1	6	0	3	2	3	4	9	0
	2330	142	999.6	983.9	..	28.5	25.4	24.1	30.0	78	..	5.4	..	4.3	0	0	15	00	0	6	2	1	1	3	2	15	0
CHAIBASA	0830		..	..	..	30.5	25.8	23.7	29.3	67	- 3	7.2	+0.8	4.5	0	1	24	00	4	0	0	0	17	1	3	5	0
	1730		..	..	..	31.5	25.7	23.2	28.4	64	+ 1	7.2	+0.0	4.6	0	0	23	00	4	0	5	0	10	0	3	7	1
BIHAR PLAINS																											
MOTIHARI	0830		(R)																								
	1730		(R)																								
PORNEAGANJ	0830	61	1000.7	994.2	-0.1	28.0	25.9	25.1	31.8	85	+ 3	6.3	+0.1	5.1	0	0	30	00	0	29	0	0	0	1	0	0	0
	1730	61	997.1	990.6	+0.1	31.0	27.1	25.6	32.8	74	+ 3	4.6	-0.5	3.5	0	0	29	00	1	19	6	0	0	3	0	1	0
DARBHANGA	0830	49	1000.2	994.7	-0.1	29.6	27.1	26.1	33.8	82	+ 5	5.2	-0.1	2.0	0	0	24	00	7	9	8	0	0	0	0	5	0
	1730	49	996.9	991.5	+0.5	31.7	28.3	26.9	35.7	77	+11	3.7	-0.2	0.7	0	0	10	00	4	4	2	0	0	0	0	20	0
MUZAFFARPUR	0830		..	..	..	29.4	27.1	26.2	34.1	84	..	4.9	..	5.5	0	0	24	02	3	16	2	0	0	1	0	5	0
	1730		..	..	..	31.8	28.0	26.4	34.6	74	..	3.7	..	2.3	0	0	17	02	7	6	1	0	0	1	0	12	0
CHAPRA	0830	58	1000.1	993.6	..	30.5	26.8	25.2	32.2	74	..	3.4	..	3.3	0	0	28	00	27	0	0	0	1	0	0	2	0
	1730	58	996.7	990.2	..	32.3	27.3	25.2	32.5	67	..	3.8	..	2.9	0	0	25	00	25	0	0	0	0	0	0	5	0
PURNEA	0830	38	1000.6	996.3	-0.2	28.5	26.5	25.7	33.0	85	+ 4	6.3	+0.4	2.2	0	0	29	02	5	21	0	0	0	1	0	1	0
	1730	38	997.3	993.1	+0.3	30.4	27.6	26.[illegible]	35.1	81	+ 7	5.5	+0.8	2.1	0	0	26	02	3	20	0	0	0	1	0	3	0
PATNA AERODROME	0230	60	997.5	990.8	..	28.3	26.1	25.2	32.2	84	..	5.0	..	9.6	0	1	25	04	2	17	1	0	1	0	1	4	0
	0530	60	998.0	991.5	..	27.5	25.9	25.3	32.3	88	..	5.7	..	10.0	0	2	23	02	4	13	3	0	0	1	1	5	1
	0830	60	999.3	992.6	-0.1	30.2	26.5	25.0	31.7	74	+ 2	4.9	+0.2	10.4	0	0	30	02	3	18	2	1	1	2	1	0	0
	1130	60	998.8	992.5	..	33.0	27.3	25.2	31.7	64	..	4.8	..	10.7	0	2	28	01	7	13	2	2	1	3	1	0	0
	1430	60	996.9	990.3	..	33.8	26.8	24.0	30.0	59	..	5.3	..	9.8	0	1	28	03	9	4	4	2	4	0	3	1	0
	1730	60	995.5	989.0	+0.2	33.4	27.0	24.2	30.4	61	+ 7	4.8	+0.5	9.7	0	1	28	05	5	13	2	1	1	1	1	1	0
	2030	60	997.6	991.0	..	30.8	26.9	25.2	32.2	73	..	4.5	..	8.1	0	1	25	02	3	16	3	0	1	0	1	4	0
	2330	60	998.4	991.7	..	29.4	26.5	25.4	32.5	80	..	4.7	..	10.1	0	3	23	01	3	19	1	0	1	1	0	4	0
BHAGALPUR	0530	49	998.4	992.9	..	27.4	26.0	25.5	32.7	90	..	5.8	..	4.1	0	0	29	00	2	12	13	0	2	0	0	1	0
	0830	49	999.8	994.4	-0.4	30.0	26.9	25.7	32.7	79	+ 3	6.0	+0.5	4.3	0	0	29	01	3	15	6	2	1	1	0	1	0
	1130	49	999.4	993.9	..	32.5	27.6	25.6	32.7	68	..	5.9	..	6.1	0	0	30	02	8	13	3	0	2	2	0	0	0
	1730	49	996.3	990.8	-0.3	32.2	27.4	25.4	32.6	69	+ 3	6.0	+0.7	4.9	0	0	27	00	6	12	5	2	1	0	1	3	0
	2330	49	999.1	993.6	..	29.1	26.8	25.8	33.7	83	..	4.4	..	4.1	0	0	29	00	4	12	12	1	0	0	0	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JUNE 1969 (JYAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BIHAR PLAINS (CONTD.)																											
SAHAUR	0830	37	1000.1	995.9	-0.1	30.2	27.4	26.2	34.2	81	+ 2	5.8	+0.1	7.6	0	1	28	02	5	12	5	0	0	3	2	1	0
	1730	37	996.5	992.3	+0.0	32.4	28.0	26.3	34.0	72	+ 1	5.4	-0.2	7.5	0	0	28	01	6	16	0	1	2	1	1	2	0
JAMUI	0830		(R)																								
	1730		(R)																								
DEHRI	0830	109	998.9	987.1	+0.3	32.3	26.8	24.4	30.8	66	+ 4	3.1	-1.1	16.6[b]	1	0	27	02	2	8	5	3	7	0	1	1	0
	1730	109	995.1	983.5	+0.4	35.4	26.6	22.5	27.7	51	+ 3	4.6	-0.1	3.3	0	0	30	00	14	5	0	0	0	7	4	0	0
GAYA	0230	116	997.8	985.0	..	28.9	26.1	24.8	31.5	79	..	4.2	..	5.3	0	1	20	03	4	8	2	3	0	0	1	9	0
	0530	116	998.2	985.3	..	28.1	25.5	24.2	30.4	80	..	4.6	..	4.6	0	1	18	02	3	5	3	4	2	0	0	11	0
	0830	116	999.4	986.6	+0.4	31.9	26.4	24.0	30.0	65	+ 8	4.0	-0.3	10.1	0	4	24	02	7	4	5	4	3	1	2	2	0
	1130	116	998.7	986.1	..	35.5	26.8	22.9	28.2	51	..	3.8	..	12.6[b]	0	4	24	01	9	4	0	0	3	7	4	1	0
	1430	116	996.8	984.3	..	35.8	26.8	22.5	27.6	50	..	4.6	..	14.5	0	10	18	07	5	4	0	1	2	5	4	2	0
	1730	116	995.9	983.3	+0.8	34.8	26.6	22.9	28.2	54	+ 7	5.0	+0.0	11.4	0	3	24	04	9	5	2	1	2	1	3	3	0
	2030	116	997.9	985.1	..	31.6	26.5	24.3	30.5	68	..	4.8	..	6.7	0	1	21	02	10	5	2	3	0	0	0	8	0
	2330	116	998.5	985.7	..	30.2	26.1	24.3	30.6	80	..	5.0	..	7.7	0	2	21	00	8	5	3	4	2	1	0	7	0
SUPAUL	0830		..	..	..	25.9	25.1	24.7	30.8	93	..	.	..	7.1[b]	0	0	28	00	0	28	0	0	0	0	0	1	0
	1730		..	..	..	27.3	26.7	26.4	34.5	94	..	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
UTTAR PRADESH EAST																											
KHERI	0830	147	998.9	982.6	-0.2	29.1	26.7	24.1	31.6	90	+20	5.3	+1.9	9.2	1	0	28	01	3	21	2	0	0	1	1	1	0
	1730	147	994.3	978.4	-0.4	37.1	26.1	20.5	24.7	41	- 9	3.9	+1.2	3.9	0	0	24	00	1	14	0	0	0	9	0	6	0
BAHRAICH	0830	124	999.4	985.7	+0.2	30.7	26.1	24.0	30.0	69	+ 1	4.2	+0.6	8.9	0	0	27	01	1	6	17	0	1	0	1	3	0
	1730	124	994.8	981.4	-0.2	36.8	26.1	20.7	25.0	42	- 9	3.0	-0.1	7.3	0	0	27	02	1	3	10	0	2	3	6	3	0
NAUTANWA	0830	99	1000.3	989.3	-0.2	29.7	25.5	23.4	29.0	69	- 3	3.3	-0.5	4.1	0	0	27	00	5	11	7	1	1	0	2	3	0
	1730	99	995.9	985.1	-0.5	33.4	26.9	24.1	30.2	59	+ 1	2.4	-0.3	3.1	0	0	24	00	1	14	9	0	0	0	0	6	0
HARDOI	0830	142	999.1	983.5	+0.8	32.9	25.7	22.1	27.2	57	- 5	1.2	-1.9	3.7	0	0	25	06	0	8	2	1	0	7	1	5	0
	1730	142	994.4	979.1	+0.3	38.3	27.3	21.9	27.8	43	+ 0	1.2	-1.4	2.7	0	0	25	04	1	5	2	1	0	7	5	5	0
GONDA	0830	110	999.5	987.4	+0.3	31.4	26.9	24.7	31.1	70	+ 1	3.4	-0.4	3.2	0	0	25	00	0	24	0	0	0	1	0	5	0
	1730	110	995.1	983.2	+0.1	35.8	27.2	22.7	28.3	50	- 1	2.1	-1.1	1.8	0	0	14	02	0	6	0	0	0	2	4	16	0
LUCKNOW	0830	111	998.1	985.8	-0.8	31.4	26.6	24.4	30.6	68	+ 7	1.4	-2.6	0.7	0	0	10	00	0	8	0	0	0	2	0	20	0
	1730	111	994.1	982.2	-0.6	37.6	27.5	23.1	28.8	46	+ 1	1.2	-1.6	0.7	0	0	8	00	0	1	0	0	0	7	0	22	0
LUCKNOW (AUGUST)	0230	128	996.8	982.7	..	30.2	24.5	21.5	26.1	63	..	4.1	..	6.6	0	3	15	01	1	7	3	3	1	2	0	12	0
	0530	128	997.3	983.1	..	29.1	24.3	21.9	26.6	68	..	3.4	..	2.8	0	0	16	00	3	5	2	1	2	2	1	14	0
	0830	128	998.6	984.6	-0.1	32.3	25.9	22.8	28.1	59	- 1	2.2	-1.3	8.9	0	2	22	04	1	9	3	3	0	3	1	6	0
	1130	128	997.9	984.1	..	36.6	26.4	21.5	26.4	44	..	2.1	..	7.7	0	1	26	04	5	4	4	3	3	1	3	3	0
	1430	128	995.8	982.1	..	38.7	26.1	19.6	23.5	36	..	2.7	..	6.9	0	1	22	04	1	3	0	1	1	4	9	7	0
	1730	128	993.5	980.5	-0.3	38.3	25.8	19.1	23.1	36	- 5	2.0	-1.5	6.1	0	0	28	07	5	4	1	0	0	3	8	2	0
	2030	128	995.7	981.8	..	34.1	25.4	20.9	25.3	47	..	2.2	..	2.9	0	0	13	00	2	8	2	1	1	1	0	17	0
	2330	128	997.2	983.2	..	31.9	25.0	21.4	26.0	56	..	2.9	..	5.1	0	1	19	00	1	9	4	3	3	0	0	10	0
FAIZABAD	0830	102	999.2	988.0	-0.3	30.8	26.5	24.6	31.1	71	+ 1	4.3	-0.5	7.5	0	0	27	01	0	14	10	1	0	1	0	3	0
	1730	102	995.0	984.3	-0.2	35.4	27.0	23.2	28.8	52	+ 0	3.9	-0.6	3.8	0	0	21	01	3	9	2	0	0	5	1	9	0
GORAKHPUR	0830	77	999.6	991.1	+0.2	30.5	26.5	24.9	31.7	74	+ 2	4.7	+0.4	2.0	0	0	27	00	6	16	2	0	0	1	2	3	0
	1730	77	995.6	987.3	+0.2	34.7	27.1	23.8	29.8	58	+ 3	2.9	-0.7	1.8	0	0	24	02	0	17	0	0	0	4	1	6	0
GORKHPUR P.R.O.	0230	78	997.7	989.0	..	29.1	26.2	25.2	31.9	80	..	3.9	..	5.1	0	0	25	02	9	8	6	0	0	0	0	5	0
	0530	78	998.2	989.5	..	28.3	25.8	24.8	31.6	82	..	4.8	..	4.5	0	0	26	02	11	7	4	0	2	0	0	4	0
	1130	78	999.0	990.4	..	32.7	27.5	25.7	33.2	68	..	5.9	..	6.1	0	0	30	02	4	7	11	2	2	2	0	0	0
	1430	78	996.9	988.5	..	33.8	27.3	25.1	32.1	62	..	4.6	..	5.4	0	0	27	02	4	8	7	1	3	0	2	3	0
	2030	78	997.1	988.6	..	31.5	27.1	25.6	32.9	72	..	2.5	..	5.6	0	0	26	03	4	8	10	0	1	0	0	4	0
	2330	78	998.3	989.6	..	30.1	26.7	25.6	32.9	77	..	3.2	..	6.6	0	0	28	00	4	11	12	0	0	0	1	2	0
KANPUR	0830	126	998.8	984.4	-0.5	34.1	24.4	19.2	22.9	44	-10	2.4	-0.7	9.9	0	0	27	01	2	12	1	0	3	6	2	3	0
	1730	126	994.0	980.5	-0.6	39.6	26.0	19.0	22.8	32	- 6	2.0	-0.9	9.9	0	0	29	04	3	7	0	0	1	11	3	1	0
KANPUR (AERODROME)	0530	126	997.3	983.4	..	30.3	24.3	21.3	25.6	61	..	3.3	..	12.1	0	2	24	01	1	8	3	3	4	5	1	4	0
	0830	126	998.6	984.9	..	34.1	25.6	21.4	26.0	49	..	2.5	..	19.8	0	12	18	04	2	8	4	1	2	5	4	0	0
	1130	126	998.1	984.5	..	38.7	26.3	20.1	24.1	35	..	2.2	..	18.7	0	12	17	00	2	4	2	4	2	3	12	1	0
	1730	126	994.1	980.7	..	39.6	26.0	18.9	22.7	32	..	2.5	..	22.2	0	12	18	04	5	4	0	0	2	4	11	0	0
	2330	126	997.1	983.4	..	33.5	25.2	21.1	25.4	50	..	1.9	..	13.7	0	4	23	01	0	7	5	2	2	3	7	3	0
SULTANPUR	0830	97	999.1	988.4	-2.4	33.0	26.6	23.7	29.7	60	- 2	3.2	-1.7	2.9	0	0	26	00	5	13	2	2	0	4	0	4	0
	1730	97	994.7	984.3	-0.7	37.2	26.7	21.6	26.7	45	- 4	2.4	-1.3	2.5	0	0	20	01	1	10	0	0	1	7	0	10	0
AZAMGARH	0830	78	998.7	990.1	+0.1	31.0	26.6	24.6	31.3	71	- 1	4.7	+1.0	3.5	0	0	28	00	5	17	2	0	1	3	0	2	0
	1730	78	995.3	986.7	+0.3	35.4	27.3	23.8	29.8	55	- 2	3.5	+0.6	2.9	0	0	18	01	6	5	0	0	2	4	0	12	0
FATEHPUR	0830	114	..	..	..	34.0	27.2	24.3	30.7	59	+ 5	2.2	-1.2	4.8	0	0	29	02	0	10	0	0	1	15	1	1	0
	1730	114	..	..	..	39.7	27.4	21.7	26.4	38	- 3	2.8	-0.7	5.8	0	0	30	01	2	9	0	0	0	11	7	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JUNE 1969 (JYAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																											
BALLIA	0830	64	999.4	992.4	-0.5	30.7	27.2	25.7	33.1	76	+ 8	4.5	+0.9	2.3	0	0	25	00	1	18	1	0	0	5	0	5	0
	1730		..	..	..	33.5	27.2	24.9	31.6	63	+16	5.4	+2.1	2.0	0	0	26	00	4	21	0	0	0	1	0	4	0
BANDA	0830	121	1001.9	988.6	+3.0	35.3	25.9	21.3	25.7	46	- 8	2.6	-0.1	2.1	0	0	27	00	3	0	0	0	21	0	3	3	0
	1730	121	999.1	986.1	+4.5	41.0	26.9	20.0	23.7	38	- 6	3.8	+0.6	2.5	0	0	28	00	2	0	0	0	25	0	1	2	0
ALLAHABAD (BAMHRAULI)	0230	98	996.8	985.9	..	31.8	24.9	21.5	26.0	57	..	3.0	..	2.6	0	0	17	00	1	6	4	2	2	1	1	12	0
	0530	98	997.2	986.3	..	30.3	24.6	21.6	26.3	62	..	4.0	..	2.9	0	0	16	01	3	1	4	2	0	4	1	14	0
	0830	98	998.5	987.8	-0.2	33.9	26.1	22.4	27.4	53	- 1	3.4	-0.6	5.5	0	0	24	00	2	8	3	1	0	9	1	6	0
	1130	98	997.9	987.3	..	38.8	26.4	20.3	24.3	37	..	3.5	..	9.1	0	4	23	02	6	2	1	0	0	10	6	3	0
	1430	98	995.6	985.2	..	41.7	26.5	18.7	22.2	28	..	4.2	..	9.3	0	2	28	07	7	2	1	0	0	6	7	0	0
	1730	98	993.8	983.7	-0.5	39.4	25.8	18.7	22.1	32	- 6	4.0	-0.1	10.0	0	2	28	05	7	5	1	1	0	6	5	0	0
	2030	98	995.9	985.6	..	35.0	25.7	21.2	25.3	46	..	3.5	..	4.7	0	0	18	00	2	9	5	0	2	0	0	12	0
	2330	98	997.3	986.6	..	32.8	25.1	21.2	25.4	53	..	3.4	..	4.7	0	1	19	01	0	6	6	4	2	1	0	10	0
VARANASI (BABATPURI)	0530	85	997.9	988.3	..	29.2	25.0	22.8	28.2	71	..	3.9	..	7.0	0	0	26	01	3	14	2	2	1	3	0	4	0
	0830	85	999.3	989.7	+0.0	32.3	26.0	23.0	28.5	61	+ 0	4.1	+0.3	10.7	0	0	29	01	8	7	4	1	2	5	0	1	1
	1130	85	998.6	989.2	..	36.5	26.5	21.9	26.7	47	..	3.9	..	12.3	0	5	25	01	7	4	0	4	2	6	3	0	3
	1730	85	994.8	985.5	-0.4	36.9	25.7	19.9	23.8	41	- 4	3.6	-0.3	13.7	0	1	28	02	10	7	1	0	0	4	5	1	0
	2330	85	997.9	988.4	..	31.6	25.4	22.4	27.5	61	..	3.6	..	9.1	0	1	22	00	1	18	2	0	0	1	1	7	0
VARANASI	0830	76	999.0	990.6	+0.2	32.0	27.2	24.9	31.0	69	+10	3.7	-0.6	2.2	0	0	21	01	6	6	3	0	1	4	0	9	0
	1730	76	995.0	986.9	+0.6	36.3	27.2	23.1	28.7	49	+ 4	4.6	+0.0	2.5	0	0	20	01	9	4	1	0	2	1	2	10	0
UTTAR PRADESH WEST																											
MUKTESH	0830		..	..	..	22.2	16.5	13.0	15.2	58	- 4	2.2	..	2.1	0	0	19	01	3	5	2	0	1	3	4	11	0
	1730		..	..	..	23.4	16.5	12.2	14.4	52	- 4	3.6	..	2.8	0	0	18	03	0	2	1	1	0	9	2	12	0
TEHRI	0830		..	..	..	24.1	19.6	17.1	19.5	65	+11	1.3	-1.1	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1130		..	..	..	30.2	20.5	14.8	17.0	40	..	2.4	..	2.9	0	0	22	01	4	5	2	2	3	0	4	8	1
	1730		..	..	..	30.8	20.0	13.4	15.8	37	+ 1	4.7	+0.8	10.1	0	4	25	01	0	1	5	2	1	2	3	1	14
DEHRA DUN	0530	682	998.7	924.6	..	25.0	20.2	17.5	20.3	64	..	2.1	..	0.9	0	0	8	04	3	0	0	1	0	0	0	22	0
	0830	682	999.2	925.8	+0.4	27.8	21.7	18.6	21.6	58	+ 0	1.9	-1.3	1.1	0	0	15	03	0	1	0	6	2	1	2	15	0
	1730	682	993.8	922.0	-0.1	36.0	24.9	20.5	23.9	47	+ 4	3.1	+0.0	26.9	1	1	23	03	2	2	3	3	2	6	4	5	0
	2330	682	997.7	924.2	..	27.6	21.6	18.4	21.8	59	..	2.1	..	1.3	0	0	7	04	3	0	0	0	0	0	0	22	0
MUSSOORIE	0830		(R)																								
	1730		(R)																								
ROORKEE	0830	274	998.9	969.0	+0.4	31.8	23.3	18.5	21.7	48	- 7	2.8	-0.5	1.2	0	0	17	00	1	0	13	0	1	0	2	13	0
	1730	274	994.6	965.5	+0.8	38.7	26.0	19.7	23.4	36	- 1	2.4	-0.3	1.5	0	0	21	01	2	0	5	0	3	0	10	9	0
SAHARANPUR	0830	270	999.8	970.3	+0.8	31.0	24.5	21.2	25.5	59	+ 0	1.1	-0.8	6.5	0	0	19	00	0	7	11	0	0	0	1	11	0
	1730	270	995.0	966.3	-0.1	37.8	24.6	17.0	20.3	33	- 7	0.6	-1.2	5.9	0	1	15	00	0	1	2	0	2	5	6	14	0
	0830	222	999.7	975.4	+1.2	32.3	23.9	19.5	22.9	48	- 6	.	..	4.4	0	0	21	00	1	7	2	0	0	8	3	3	0
MEERUT	0830	173	998.8	979.9	+0.3	32.6	24.8	19.1	22.1	63	+ 5	2.9	-0.3	12.1	0	2	27	03	0	7	9	2	0	6	2	1	0
BAREILLY	1730	173	993.9	975.4	-0.1	39.3	25.3	17.6	20.9	31	-10	1.5	-1.3	6.1	0	0	29	04	1	7	2	1	1	11	2	1	0
	0230	172	996.6	977.7	..	31.0	23.9	20.8	25.1	57	..	1.9	..	6.9	0	0	29	04	2	9	4	1	2	5	2	1	0
BAREILLY P.R.O.	0530	172	997.3	978.3	..	29.7	23.8	21.1	25.5	62	..	2.7	..	5.8	0	0	30	03	5	12	4	0	2	2	2	0	0
	1130	172	998.3	979.6	..	35.1	24.9	20.7	24.9	45	..	3.2	..	8.9	0	0	30	03	3	9	4	1	2	0	8	0	0
	1430	172	995.8	977.3	..	37.8	25.0	19.5	23.2	37	..	3.0	..	8.3	0	0	30	03	4	4	2	2	0	5	10	0	0
	2030	172	995.3	976.6	..	34.2	24.4	20.2	24.1	46	..	1.8	..	6.7	0	0	27	00	2	9	4	0	0	8	4	3	0
	2330	172	996.8	978.0	..	32.0	24.0	20.5	24.7	53	..	2.0	..	7.3	0	0	29	01	2	7	7	2	1	6	3	1	0
	0830	187	999.3	978.4	+0.5	32.8	23.9	19.2	22.6	46	- 4	2.5	+0.2	3.7	0	0	24	00	2	5	4	1	1	11	0	6	0
ALIGARH	1730	187	994.8	974.3	+0.2	38.9	24.6	16.4	19.2	29	- 8	4.3	+1.5	5.3	0	0	28	02	2	4	0	2	0	16	2	2	0
	0830	157	998.2	981.2	+0.0	34.2	26.2	22.4	27.7	52	+ 1	1.9	-1.6	3.6	0	0	29	01	0	7	0	0	3	17	1	1	0
MAINPURI	1730	157	993.8	977.1	-0.2	40.8	27.2	20.8	24.9	33	- 4	2.0	-1.5	3.1	0	0	26	00	0	3	0	0	3	19	1	4	0
AGRA	0830	169	998.8	980.4	+0.3	34.5	26.1	22.2	26.9	49	+ 1	1.2	-1.5	1.9	0	0	9	00	0	0	0	0	8	0	1	21	0
	1730	169	994.6	976.6	+0.2	39.6	26.8	20.7	24.9	36	+ 2	3.9	+0.8	6.5	0	0	25	00	4	0	1	0	7	0	13	5	0
AGRA AERODROME	0230	169	996.8	978.3	..	31.9	22.3	16.3	18.8	39	..	2.8	..	10.3	0	3	22	00	0	1	3	4	2	11	4	5	0
	0530	169	997.4	978.9	..	31.1	22.7	17.6	20.6	46	..	2.7	..	10.8	0	3	22	02	0	1	4	2	4	9	3	5	0
	0830	169	998.8	980.4	..	34.3	24.3	19.1	22.4	42	..	2.1	..	14.2	0	8	20	03	1	1	3	0	2	12	6	2	0
	1130	169	998.3	980.3	..	39.5	25.2	17.6	20.4	29	..	2.0	..	15.4	0	6	24	09	1	1	0	2	0	6	11	0	0
	1730	169	994.6	976.6	..	39.3	24.2	15.4	17.8	26	..	3.7	..	17.6	0	9	20	09	0	4	1	0	0	6	9	1	0
	2330	169	996.9	978.5	..	33.7	22.8	16.2	18.8	37	..	2.8	..	11.6	0	0	30	01	1	2	4	2	3	13	4	0	0
	0830	141	998.7	983.5	-0.1	38.4	27.2	22.2	27.0	41	-12	2.1	-0.5	3.7	0	0	30	03	7	0	0	0	0	2	18	0	0
ORAI	1730	141	993.7	979.4	-0.3	39.9	26.9	20.9	25.0	35	- 7	2.6	-0.6	4.2	0	0	30	13	10	0	0	0	0	1	6	0	0
JHANSI	0830	251	999.0	971.8	+0.1	33.2	25.6	21.9	26.4	53	+ 5	2.9	-0.3	1.5	0	0	15	01	0	1	0	2	0	11	0	15	0
	1730	251	994.3	967.6	-0.2	39.4	27.1	21.3	25.5	36	- 1	3.3	-1.2	1.5	0	0	11	00	0	2	0	3	0	6	0	19	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JUNE 1969 (JAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb.			Mean temperature in °C			Vapour pressure in mb.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or At, in gen. of mean standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST(CONTD.)																											
MORADABAD	0830		..	..	..	31.4	25.2	22.2	27.3	61	..	2.1	..	5.3	0	0	29	00	16	0	5	0	1	1	6	1	0
	1730		..	..	..	37.9	27.6	23.1	28.7	45	..	1.0	..	5.2	0	0	30	00	17	0	2	0	1	1	9	0	0
UTTAR KASHI	0830		(R)																								
	1730		(R)																								
ASCOT	0830		..	..	..	20.9	18.8	17.7	20.6	83	..	3.5	..	1.9	0	0	25	00	6	4	3	3	3	5	1	5	0
	1730		..	..	..	23.6	20.3	18.7	21.9	76	..	5.6	..	2.7	0	0	25	02	2	3	0	2	5	5	2	5	4
DHARCHULA	0830		..	..	..	..	..	..	..	..	..	2.2	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730		..	..	..	..	..	..	..	..	..	4.0	..	1.4	0	0	8	00	3	1	0	0	0	3	0	22	1
HARYANA(INCLUDING DELHI AND CHANDIGARH)																											
CHANDIGARH	0830	347	998.1	960.0	+0.5	31.4	22.1	16.4	19.2	42	- 4	2.2	+0.8	4.6	0	1	20	00	5	1	3	0	0	1	11	9	0
	1730	347	993.5	956.5	-0.2	38.7	22.6	11.6	14.4	22	- 8	1.8	+1.0	6.0	0	1	29	00	0	2	6	0	0	2	20	0	0
AMBALA	0830	272	998.4	968.7	+0.3	32.2	23.0	17.8	20.7	43	- 6	.	..	3.0	0	0	24	00	5	0	13	0	1	0	5	6	0
	1730	272	993.7	964.8	-0.1	39.4	25.0	16.3	19.8	29	- 3	.	..	2.3	0	0	27	00	0	0	6	0	4	0	17	3	0
AMBALA P.B.O.	0230	278	996.1	965.7	+0.8	31.3	23.1	19.5	23.1	51	+19	0.8	-1.3	6.2	0	0	19	00	2	0	8	1	0	4	4	11	0
	0530	278	996.8	966.2	..	29.7	22.4	19.3	22.7	55	..	1.3	..	5.2	0	1	16	01	1	1	7	3	0	3	1	13	0
	1130	278	997.5	967.7	..	36.8	25.9	21.7	26.5	42	..	1.6	..	7.1	0	0	19	00	0	0	8	2	0	5	4	11	0
	1430	278	995.2	965.6	..	38.6	26.2	21.3	26.1	40	..	1.9	..	9.7	0	3	24	02	0	0	5	1	3	11	5	3	0
	2030	278	994.4	964.5	..	35.7	24.9	20.5	24.6	43	..	0.9	..	4.7	0	1	17	01	0	0	3	1	2	4	7	12	0
	2330	278	995.6	965.5	..	33.2	24.1	20.2	23.5	48	..	0.7	..	5.9	0	1	20	00	1	0	6	0	2	7	5	9	0
AMBALA AERODROME	0530	274	993.9	966.8	..	27.6	21.6	18.0	21.1	57	..	1.8	..	8.4	0	1	19	01	0	6	5	2	0	4	1	10	1
	0830	274	998.0	968.3	..	32.7	23.6	18.3	21.4	45	..	1.4	..	13.2	0	6	20	02	1	7	7	0	2	4	3	4	0
	1130	274	997.4	968.0	..	36.9	24.7	17.8	20.9	37	..	1.7	..	17.1	0	8	20	01	1	5	6	2	3	5	4	2	1
	1730	274	993.5	964.4	..	39.0	24.4	15.7	18.9	28	..	1.6	..	17.1	0	8	22	00	0	1	4	1	1	17	5	0	1
	2330	274	995.8	966.0	..	31.8	22.6	17.2	20.1	44	..	1.1	..	8.7	0	2	17	00	0	2	3	1	2	9	2	11	0
KARNAL	0830	249	998.1	970.9	+0.1	32.7	23.6	18.6	21.8	45	-10	0.9	-1.3	4.8	0	0	29	01	1	3	7	1	4	10	2	1	0
	1730	249	993.7	967.3	-0.2	38.6	23.9	14.8	17.6	27	- 7	1.6	-0.4	5.1	0	0	29	01	1	1	2	2	5	15	2	1	0
HISSAR	0530	221	996.9	972.6	.. ..	..	..	..	..	.	..	1.2	..	6.1	0	0	23	00	0	2	2	4	10	3	2	7	0
	0830	221	998.4	974.3	+0 ?..	..	..	..	..	.	..	1.2	-0.3	7.7	0	4	23	00	0	2	2	2	7	12	2	3	0
	1130	221	997.9	974.3	.. ..	..	..	..	..	.	..	0.7	..	11.5	0	5	23	00	1	1	1	1	6	18	0	2	0
	1430	221	995.6	972.2	.. ..	..	..	..	..	.	..	2.3	..	11.3	0	4	25	04	2	0	1	2	7	11	1	1	1
	1730	221	994.4	970.8	+0 ..	..	..	..	..	.	..	2.2	+0.6	8.5	0	2	27	03	3	4	1	4	6	4	4	1	0
	2330	221	996.4	972.3	.. ..	..	..	..	..	.	..	2.1	..	7.9	0	0	26	01	0	3	2	5	7	7	0	4	1
NEW DELHI/SAFDARJUNG	0230		(R)																								
	0530		(R)																								
	0830		(R)																								
	1130		(R)																								
	1430		(R)																								
	1730		(R)																								
	2030		(R)																								
	2330		(R)																								
PALAM AERODROME	0230	233	996.9	971.4	+0.8	31.1	22.7	17.9	20.9	46	+14	2.6	-0.2	10.2	0	4	20	01	0	2	4	1	9	6	1	6	0
	0530	233	997.5	971.9	..	29.7	23.0	19.4	22.8	55	..	2.0	..	9.4	0	0	28	03	0	5	4	1	5	8	2	2	0
	0830	233	998.8	973.4	..	33.1	24.3	19.6	23.1	47	..	2.1	..	16.4	0	8	21	01	0	4	3	4	3	10	4	1	0
	1130	233	998.3	973.2	..	38.2	25.5	19.1	22.5	34	..	1.5	..	19.0	0	12	18	01	0	3	3	0	2	8	13	0	0
	1430	233	996.0	971.3	..	40.3	25.6	17.6	20.8	29	..	2.6	..	19.6	0	13	17	05	0	5	1	0	0	7	12	0	0
	1730	233	994.8	969.9	..	37.3	24.3	16.7	19.8	34	..	4.3	..	18.5	0	13	16	01	2	3	3	1	3	6	10	1	0
	2030	233	995.7	970.6	..	34.5	23.8	17.5	20.5	40	..	3.4	..	13.5	0	7	20	04	0	2	1	2	6	10	2	3	0
	2330	233	997.0	971.6	..	32.1	23.1	18.0	21.1	45	..	3.0	..	11.3	0	2	24	00	0	3	3	3	10	6	1	4	0
GURGAON	0830		..	..	..	33.3	23.5	18.1	21.0	42	..	8.6	..	6.8	0	1	23	00	0	4	6	0	3	11	0	5	0
	1730		..	..	..	37.5	24.2	16.6	19.3	32	..	5.2	..	7.4	0	1	25	00	2	3	1	1	5	11	3	2	0
NARNAUL	0830	308	999.0	966.1	..	35.1	25.0	19.9	23.4	42	..	.	..	5.4	0	0	30	00	7	0	1	3	16	0	3	0	0
	1730	308	995.3	963.6	..	38.9	26.0	19.7	23.1	34	..	.	..	5.5	0	0	30	00	3	0	3	4	16	0	4	0	0
ROHTAK	0830		..	..	..	32.6	24.1	19.8	23.7	48	..	2.6	..	14.9	0	11	19	00	1	4	2	3	4	6	1	0	9
	1730		..	..	..	36.9	23.6	15.1	18.0	32	..	1.3	..	15.8	0	7	23	00	2	2	3	2	5	10	4	0	2
PUNJAB																											
PATHANKOT	0530	312	996.9	962.5	..	28.9	19.7	13.2	15.4	39	..	2.3	..	16.6	0	6	24	04	18	5	1	1	0	0	1	0	0
	0830	312	998.0	964.3	+0.3	33.7	22.2	14.5	17.2	33	- 2	2.7	+0.1	16.4	0	5	25	02	8	8	4	4	1	2	1	0	0
	1130	312	997.4	964.2	..	37.7	22.7	12.8	15.4	25	..	2.8	..	18.7	0	8	22	01	4	1	2	15	4	2	1	0	0
	1730	312	993.4	960.5	-1.0	39.9	22.7	11.5	14.1	19	- 9	2.5	-0.4	23.0	0	15	15	03	7	0	0	0	7	9	4	0	0
	2330	312	995.9	962.1	..	31.3	21.1	13.7	15.9	35	..	1.5	..	17.5	0	10	19	06	14	2	1	4	0	1	1	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JUNE 1969 (JYAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
PUNJAB (CONTD.)																											
AMRITSAR	0530		(R)																								
	0830		(R)																								
	1130		(R)																								
	1430		(R)																								
	1730		(R)																								
	2030		(R)																								
ADAMPUR AERODROME	0830	249	997.7	970.7	..	33.2	23.8	18.6	21.8	43	..	2.3	..	19.3	0	13	16	02	3	4	7	5	1	4	3	1	0
	1730	249	994.3	967.6	..	39.6	25.0	16.7	19.8	28	..	1.2	..	23.2	0	18	12	03	0	0	0	6	1	4	16	0	0
LUDHIANA	0830	247	997.9	971.1	-0.2	33.6	23.2	17.3	20.0	39	-10	2.1	+0.0	3.6	0	1	18	00	0	0	10	2	1	2	4	11	0
	1730	247	993.5	967.4	-0.3	40.3	24.0	14.2	16.7	23	- 9	1.0	-0.8	5.1	0	0	27	01	0	0	5	1	2	2	16	3	0
FEROZEPUR	0830	200	998.9	976.9	+1.8	32.5	25.0	21.4	25.6	53	+ 0	1.2	+0.0	2.0	0	0	17	02	0	0	3	6	2	1	3	13	0
	1730	200	996.2	974.8	+3.0	40.1	26.9	20.1	23.8	33	+ 2	0.9	+0.1	2.4	0	0	22	12	0	0	0	0	0	1	9	8	0
JALNDHARA AERODROME	0530	242	996.9	970.1	..	27.1	21.7	18.4	21.5	61	..	1.6	..	13.0	0	6	19	03	1	5	3	6	4	3	0	5	0
	0830	242	997.8	971.6	..	32.9	23.5	18.1	21.3	45	..	1.8	..	19.0	0	15	12	03	2	4	9	1	2	6	0	3	0
	1130	242	997.4	971.5	..	37.7	24.6	16.9	19.7	32	..	1.4	..	22.2	1	13	16	03	2	1	9	2	3	9	1	0	0
	1730	242	993.7	968.1	..	39.3	24.4	15.5	18.2	27	..	1.9	..	18.8	0	12	16	01	1	1	3	5	2	6	9	2	0
	2330	242	996.0	969.5	..	30.8	22.9	18.4	21.6	50	..	1.2	..	13.5	0	4	22	01	0	3	3	4	2	7	6	4	0
PATIALA	0830	251	998.5	970.9	+0.3	31.5	23.6	19.0	22.3	49	- 2	1.9	+0.2	9.1	0	5	9	00	0	0	7	0	0	0	7	15	0
	1730	251	993.8	967.1	+0.2	38.4	23.6	14.1	17.0	27	- 4	1.2	-0.8	8.6	0	3	14	00	1	0	5	0	0	0	11	13	0
BHATINDA	0830	211	997.9	974.9	..	34.1	24.5	19.3	22.7	43	-11	1.1	-0.9	3.5	0	0	24	00	1	0	8	0	9	0	6	6	0
	1730	211	993.9	971.4	..	39.6	25.0	17.1	20.0	28	- 9	1.6	+0.0	3.9	0	0	25	01	2	1	2	0	5	0	14	5	0
HIMACHAL PRADESH																											
MANDI	0830	761	999.7	917.6	+0.1	25.9	21.4	18.7	22.8	68	+11	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	761	994.7	914.9	+0.6	33.4	22.6	16.7	20.0	39	- 2	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
BILASPUR	0830	493	998.7	935.6	-0.1	29.2	22.6	19.2	22.6	56	+ 4	2.1	-0.4	0.3	0	0	3	00	0	0	1	0	0	2	0	27	0
	1730	493	994.4	932.4	-0.1	35.6	23.9	17.9	21.3	45	+10	2.7	-0.6	3.5	0	0	17	00	5	0	0	2	3	0	7	13	0
JAMMU AND KASHMIR																											
MESGAR	0830		(R)																								
	1730		(R)																								
GILGIT	0830		(R)																								
	1730		(R)																								
SKARDU	0830		(R)																								
	1730		(R)																								
LEH	0530	3514	(R)																								
	0830	3514	3119.6	668.2	+2.4	12.0	6.5	- 0.5	6.3	49	+10	3.0	-0.1	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	3514	3085.6	666.3	+4.0	18.4	10.0	2.0	7.7	39	+15	3.6	+0.1	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SRINAGAR	0230	1587	1448.6	836.4	..	16.5	14.3	12.9	15.0	80	..	1.9	..	2.0	0	0	17	00	1	0	6	0	0	0	10	13	0
	0530	1587	1452.2	836.7	..	15.1	13.6	12.7	14.7	86	..	2.1	..	1.5	0	0	13	00	1	0	9	0	1	0	2	17	0
	0830	1587	1459.9	837.7	+1.0	19.8	15.7	13.3	15.4	66	- 9	2.1	-0.3	1.4	0	0	11	00	1	0	7	0	0	0	3	19	0
	1130	1587	1451.4	837.1	..	24.5	17.4	13.2	15.6	50	..	2.2	..	2.5	0	0	20	01	2	0	4	0	4	0	9	10	0
	1430	1587	1436.4	835.8	..	26.8	18.0	12.9	15.2	44	..	2.8	..	2.5	0	0	19	03	0	0	3	0	2	1	10	11	0
	1730	1587	1425.2	834.7	+0.9	26.0	17.6	12.7	14.8	44	- 1	4.2	+0.3	3.8	0	0	22	00	3	2	4	1	1	3	8	8	0
	2030	1587	1438.0	835.8	..	21.1	16.1	13.0	15.1	60	..	2.5	..	2.8	0	0	16	00	1	0	7	0	0	0	8	14	0
	2330	1587	1447.8	836.6	..	18.4	15.0	12.9	15.0	71	..	1.8	..	2.9	0	0	20	00	0	0	6	0	2	0	12	10	0
SRINAGAR AERODROME	0530	1666	1447.0	828.9	..	13.9	11.8	10.4	12.6	80	..	2.1	..	4.6	0	0	15	00	0	1	1	3	3	5	2	15	0
	0830	1666	1453.6	829.9	..	19.5	15.3	12.6	14.6	65	..	2.3	..	4.7	0	0	17	05	0	3	0	0	2	3	3	13	1
	1130	1666	1452.5	829.4	..	23.6	16.9	12.3	14.4	50	..	3.0	..	8.6	0	1	24	03	1	2	2	2	6	4	3	5	2
	1730	1666	1422.0	827.4	..	25.4	16.5	11.2	13.5	44	..	4.9	..	15.5	1	6	17	02	4	0	1	3	1	6	7	6	0
	2330	1666	1443.0	828.8	..	17.4	14.3	12.2	14.4	72	..	2.0	..	8.6	0	1	22	02	0	2	3	2	7	5	2	7	0
GULMARG	0830	2655	3096.2	737.8	+0.1	15.5	10.4	6.0	9.4	55	-10	1.9	-0.6	2.9	0	0	25	01	11	0	7	0	1	1	4	5	0
	1730	2655	3089.2	736.8	..	17.7	12.1	7.6	10.6	54	..	4.5	..	3.5	0	0	26	00	4	1	1	1	3	0	16	4	0
QAZIGUND	0830	1690	..	..	..	18.0	14.1	11.4	14.5	66	..	1.9	..	4.2	0	0	23	01	10	4	0	5	1	2	0	7	0
	1730	1690	..	..	..	24.9	16.8	11.9	14.1	46	..	4.0	..	8.7	0	5	18	00	4	2	0	5	7	5	0	7	0
BANIHAL	0830		1444.6	832.0	..	20.1	15.0	11.5	13.8	59	..	2.2	..	2.1	0	0	7	07	0	0	0	0	0	0	0	23	0
	1730		1415.7	829.6	..	25.6	17.5	12.5	14.8	46	..	4.7	..	3.9	0	1	13	09	0	0	0	5	0	0	0	16	0
JAMMU	0830		..	..	..	32.1	20.7	13.0	15.4	33	- 8	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	39.4	22.9	12.2	14.6	21	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
JAMMU AERODROME	0530	292	996.9	964.7	..	29.3	19.5	12.3	14.7	37	..	2.3	..	6.6	0	3	13	01	10	2	2	0	0	0	1	14	0
	0830	292	998.2	966.3	..	32.7	21.6	14.1	17.1	35	..	2.7	..	9.1	0	2	20	02	9	1	4	3	2	0	1	8	0
	1130	292	997.4	966.1	..	37.5	22.8	13.8	16.2	26	..	2.1	..	12.2	0	4	23	02	2	2	5	10	2	4	0	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JUNE 1969 (JYAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD.)																											
JAMMU AERODROME	1730	292	993.8	962.8	..	40.0	23.0	11.7	14.2	20	..	2.0	..	12.1	0	2	26	01	0	1	0	2	6	14	4	2	0
	2330	292	996.0	964.1	..	31.5	20.4	12.5	14.9	34	..	1.6	..	8.5	0	5	12	01	11	3	0	1	0	0	1	13	0
GULMARG (RESEARCH INSTITUTE)	0830		(R)																								
	1130		(R)																								
	1730		(R)																								
RAJASTHAN, WEST																											
GANGANAGAR	0530	177	996.2	976.7	..	30.1	22.1	17.5	20.2	47	..	0.7	..	1.7	0	0	11	00	2	0	1	0	7	1	0	19	0
	0830	177	997.5	978.2	+0.2	33.0	23.8	18.7	21.9	44	- 1	0.9	+0.1	4.2	0	0	22	00	1	1	1	2	13	4	0	8	0
	1130	177	997.2	978.2	..	38.8	25.3	18.3	21.4	32	..	1.4	..	5.0	0	0	26	02	3	1	0	1	12	7	0	4	0
	1730	177	993.5	974.7	+0.2	41.1	24.7	15.1	17.6	23	- 4	1.3	+0.3	3.1	0	0	19	02	2	2	0	2	6	2	3	11	0
	2330	177	995.6	976.3	..	33.4	23.1	17.2	19.9	39	..	0.9	..	1.4	0	0	8	00	2	2	0	0	4	0	0	22	0
ANUPGARH	0830	154	997.0	980.2	..	34.7	25.2	20.5	24.6	46	..	.	..	9.5	0	0	28	00	1	0	1	0	23	1	2	2	0
	1730	154	992.9	976.8	..	43.9	27.4	19.7	23.5	26	..	.	..	3.9	0	0	28	00	2	0	0	0	16	0	10	2	0
CHURU	0830	291	998.8	967.1	-0.5	33.1	25.0	20.8	25.0	49	- 3	1.7	-0.4	19.1	0	17	13	00	0	0	0	2	5	21	2	0	0
	1730	291	994.4	963.6	-0.5	40.0	25.4	16.8	20.8	30	- 2	2.7	-0.6	16.8	0	7	21	03	2	1	1	1	4	12	4	1	0
BIKANER	0830	224	999.4	974.8	+0.8	32.4	25.5	22.2	27.1	56	+ 7	0.4	-0.5	15.5	0	7	23	00	1	0	0	4	21	3	1	0	0
	1730	224	995.3	971.5	+1.2	41.3	24.9	15.3	18.2	23	- 5	1.0	-0.7	11.4	0	4	26	02	2	0	0	4	14	4	4	0	0
BIKANER P.R.O.	0530	224	997.3	972.8	..	32.0	24.2	20.2	24.0	51	..	1.2	..	11.3	0	5	23	00	0	0	0	1	23	4	0	2	0
	1130	224	998.1	974.1	..	37.8	26.1	20.5	24.5	38	..	1.0	..	14.3	0	6	24	00	1	0	0	3	20	5	1	0	0
	1430	224	995.9	972.0	..	41.7	26.2	18.2	20.9	27	..	1.7	..	11.7	0	4	25	00	1	0	0	3	15	10	0	1	0
	2030	224	995.5	971.5	..	38.3	24.5	16.7	19.7	30	..	0.8	..	7.9	0	0	29	00	1	0	1	4	15	6	2	1	0
	2330	224	996.7	972.5	..	35.3	24.1	17.8	20.7	37	..	0.5	..	12.3	0	4	26	00	0	0	3	12	14	1	0	0	0
NAGAUR	0830	298	999.8	967.3	+0.3	32.3	25.5	22.3	27.0	56	+ 1	1.3	+0.2	12.4	0	2	28	00	0	0	0	11	15	3	1	0	0
	1730	298	994.7	963.1	+0.2	40.1	27.4	21.3	26.1	36	+ 5	2.1	+0.5	11.6	0	2	28	00	1	0	1	9	15	3	1	0	0
PHALODI	0830	234	1000.6	974.9	+1.0	30.7	26.5	24.8	31.4	72	+ 6	1.6	+0.0	19.4	0	14	16	00	0	0	0	8	18	4	0	0	0
	1730	234	996.9	972.1	+1.2	41.2	28.7	23.4	29.5	38	+ 4	0.8	-1.2	16.9	0	9	21	00	1	1	0	7	16	5	0	0	0
JAISALMER	0830	242	999.0	972.3	+0.4	29.1	25.2	23.5	28.9	72	+ 5	0.8	+0.2	27.5	0	26	4	00	0	0	0	11	19	0	0	0	0
	1730	242	994.0	968.5	+0.3	41.5	25.9	17.4	20.6	26	- 6	0.5	-0.8	18.9	0	16	13	00	0	1	1	13	14	0	0	1	0
JODHPUR	0230	224	998.3	973.8	..	32.3	23.4	18.3	21.4	44	..	1.5	..	20.1	0	12	18	00	1	0	0	0	13	15	1	0	0
	0530	224	999.0	974.3	..	30.3	24.1	21.0	25.0	58	..	2.0	..	21.2	0	12	18	00	0	0	0	0	11	18	1	0	0
	0830	224	1000.9	976.1	+0.5	31.1	24.9	21.8	26.3	58	- 2	1.9	-0.6	23.1	0	15	15	00	0	0	0	0	14	15	1	0	0
	1130	224	1000.0	975.8	..	36.2	25.5	20.3	23.8	40	..	1.8	..	20.7	0	12	18	00	0	0	0	0	19	11	0	0	0
	1430	224	997.5	973.6	..	40.5	25.6	17.7	20.6	27	..	1.6	..	20.5	0	12	18	00	0	0	0	2	16	11	1	0	0
	1730	224	995.4	971.6	+0.1	40.8	24.6	15.5	17.9	23	- 7	1.9	-0.3	20.8	0	14	16	00	0	0	0	3	13	14	0	0	0
	2030	224	996.8	972.7	..	37.3	24.2	16.8	19.4	31	..	1.6	..	17.2	0	8	22	00	0	0	1	3	13	13	0	0	0
	2330	224	998.4	974.1	..	34.7	23.6	17.2	19.8	36	..	1.0	..	18.6	0	6	24	00	1	0	1	2	16	10	0	0	0
BARMER	0530	194	998.8	977.2	..	28.0	19.3	12.8	15.5	41	..	1.4	..	9.3	0	3	26	00	0	0	0	4	19	6	0	1	0
	0830	194	1000.3	978.7	+0.2	29.8	21.3	15.5	18.2	45	-24	2.1	-0.7	8.7	0	2	28	01	0	1	0	2	24	2	0	0	0
	1130	194	999.4	978.3	..	35.7	22.7	13.9	15.9	29	..	1.1	..	8.6	0	0	30	00	0	0	0	8	19	3	0	0	0
	1730	194	995.2	974.5	+0.0	39.8	23.7	13.7	16.4	23	-12	1.4	-0.8	10.7	0	0	30	00	0	1	0	5	22	2	0	0	0
	2330	194	998.2	977.1	..	33.8	20.6	11.1	13.7	26	..	0.5	..	10.7	0	1	29	00	0	0	0	2	24	4	0	0	0
JAWAI BANDH	0830	295	1002.2	969.6	+0.7	30.2	23.8	20.6	24.4	57	-14	4.1	+0.8	6.7	0	0	29	00	0	0	2	8	14	5	0	1	0
	1730	295	996.5	965.0	+0.0	38.4	24.6	16.9	19.5	29	-17	2.3	-1.2	5.6	0	0	26	00	0	0	0	1	19	6	0	4	0
JALORE	0830		..	..	..	30.8	25.1	22.4	27.2	61	..	2.9	..	15.2	0	9	21	00	2	0	1	1	20	3	3	0	0
	1730		..	..	..	39.2	25.1	17.6	20.4	29	..	1.6	..	15.5	0	9	21	00	0	0	4	4	17	2	3	0	0
RAJASTHAN, EAST																											
PILANI	0830	301	998.9	966.1	-0.6	31.8	22.5	16.9	19.5	41	- 1	1.6	+0.6	20.9	0	10	10	00	0	1	1	2	12	11	1	2	0
	1730	301	994.7	962.7	-0.4	38.8	22.6	11.5	14.3	23	- 2	3.1	+1.1	20.6	0	16	13	02	1	3	3	1	7	8	4	0	0
SIKAR	0830	433	999.5	952.6	+0.3	30.8	24.9	21.9	27.0	61	+ 1	1.5	-0.8	1.2	0	0	18	00	0	0	1	0	0	16	1	12	0
	1730	433	995.0	949.7	+0.7	39.1	23.8	14.3	17.2	27	-15	1.9	-1.4	0.9	0	0	11	00	0	0	0	0	0	7	4	19	0
ALWAR	0830	271	998.0	968.6	-0.1	34.5	25.5	21.4	25.7	48	- 5	1.7	-0.7	2.3	0	0	18	00	2	0	0	1	0	8	7	12	0
	1730	271	994.1	965.2	-0.9	37.7	25.6	19.5	23.0	37	+ 0	5.3	+1.4	3.1	0	0	26	03	3	1	0	2	1	7	9	4	0
JAIPUR (SANGANER)	0230	390	997.3	944.9	..	30.8	22.0	16.8	19.4	45	..	2.4	..	5.1	0	2	16	00	1	0	1	0	4	9	3	12	0
	0530	390	998.0	955.5	..	29.4	22.2	18.1	21.0	52	..	2.7	..	6.9	0	1	19	00	0	0	0	0	7	10	3	10	0
	0830	390	999.2	957.0	-0.1	32.5	23.8	18.8	22.2	47	+ 0	2.0	-0.3	14.3	0	13	14	00	0	0	0	0	10	14	3	3	0
	1130	390	998.4	956.8	..	36.6	24.4	17.6	20.6	34	..	2.2	..	19.7	0	13	17	00	0	0	0	1	9	16	4	0	0
	1430	390	996.0	954.8	..	39.2	24.1	15.1	17.7	26	..	2.9	..	15.3	0	10	20	00	0	0	0	2	9	13	6	0	0
	1730	390	994.3	953.0	-0.6	38.4	23.2	13.4	16.0	26	- 7	3.5	+0.8	14.1	0	9	18	00	1	1	0	0	9	12	4	3	0
	2030	390	996.5	954.6	..	33.9	22.3	15.0	17.5	35	..	2.0	..	7.6	0	4	20	02	2	2	1	1	3	9	4	6	0
	2330	390	997.9	955.6	..	31.9	22.4	16.8	19.4	42	..	1.8	..	5.7	0	1	16	01	1	2	1	1	3	7	1	13	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JULY 1969 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or lst. in gen. of mean standard isobaric level	At station level	Departure from normal	Dry bulb	Wet bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN, EAST (CONTD.)																												
DHOLPUR	0830	176	998.4	979.2	-0.3	34.8	24.7	19.6	22.9	41	- 6	1.5	-1.5	4.2	0	2	9	00	0	0	0	0	0	10	1	19	0
	1730	176	994.1	975.3	-3.9	40.4	27.0	20.8	24.7	34	+ 1	1.8	-2.4	3.9	0	1	15	02	0	0	0	0	0	12	2	14	0
AJMER	0830	486	1000.0	947.5	+0.4	30.8	24.9	22.3	27.1	61	+ 5	2.1	-0.3	23.7[b]	0	25	4	00	0	0	0	1	7	20	1	0	0
	1730	486	994.8	943.9	+0.2	39.1	25.5	19.2	22.7	32	- 2	1.8	-1.0	15.6	0	8	22	01	1	0	0	0	7	20	1	0	0
TONK	0830	272	998.7	969.2	-0.1	33.8	24.5	19.6	23.2	44	-15	2.0	+0.0	7.7	0	0	30	01	0	0	1	0	9	17	2	0	0
	1730	272	993.8	965.0	+0.2	40.1	24.4	16.0	18.7	27	-13	3.0	-0.3	7.1	0	0	30	00	1	0	2	2	9	16	0	0	0
BHILWARA	0830	425	1000.6	954.5	..	31.0	23.7	19.8	23.3	52	..	3.0	..	11.3	0	4	26	01	0	0	0	0	24	3	2	0	0
	1730	425	996.0	950.9	..	37.9	23.2	13.5	16.1	26	..	4.1	..	8.7	0	2	26	02	0	0	1	1	17	2	5	2	0
KOTA	0830	257	1000.2	972.1	+0.5	35.6	24.3	20.9	24.8	37	-10	2.6	-0.2	34.5	1	6	23	01	0	0	0	0	7	12	10	0	0
	1730	257	995.2	967.9	+0.1	39.8	25.1	17.1	19.7	28	- 7	4.4	+0.3	19.4	1	4	22	00	1	0	0	0	5	8	13	3	0
KOTA AERODROME	0530	274	998.8	968.9	..	31.5	22.9	17.9	20.9	47	..	2.9	..	26.1	0	19	11	00	0	1	0	0	10	18	1	0	0
	0830	274	1000.4	970.6	..	33.0	23.7	18.6	21.8	44	..	2.4	..	27.7	0	22	8	00	1	0	0	0	8	19	2	0	0
	1130	274	999.7	970.3	..	36.8	24.0	16.7	19.3	31	..	2.6	..	24.1	0	21	9	02	1	0	0	1	9	11	6	0	0
	1730	274	995.3	966.2	..	39.6	23.3	12.8	15.3	22	..	3.5	..	18.2	0	15	15	03	4	1	0	1	7	10	4	0	0
	2330	274	998.7	969.1	..	34.4	23.2	15.6	18.3	35	..	3.4	..	21.7	0	17	12	00	1	1	1	2	11	11	2	1	0
CHAMBAL (RAWAT BHATTA DAM)	0830	351	1001.0	962.8	+0.5	31.5	25.8	23.1	28.5	63	+ 4	1.6	-1.3	16.3	0	9	19	00	0	0	0	3	8	2	15	2	0
	1730	351	995.5	958.4	-0.1	38.6	26.9	21.4	25.9	39	- 6	2.8	-1.6	15.5	0	8	20	02	0	0	1	0	10	5	10	2	0
UDAIPUR	0230	582	1000.3	937.4	..	28.6	22.9	20.2	23.9	62	..	1.8	..	4.9	0	0	23	00	0	0	0	3	18	1	1	7	0
	0530	582	1000.8	937.6	..	27.4	22.7	20.4	24.2	67	..	3.0	..	3.9	0	0	20	00	0	1	0	3	8	6	2	10	0
	0830	582	1001.7	[illegible]	+1.0	29.4	23.1	20.1	23.7	59	- 4	2.9	-0.3	6.1	0	0	29	00	0	0	0	1	20	4	4	1	0
	1130	582	1000.7	[illegible]	..	33.6	23.8	19.1	22.3	44	..	2.1	..	6.4	0	0	27	01	0	0	0	5	16	3	2	3	0
	1730	582	997.2	935.7	+0.7	35.2	23.6	17.8	20.6	38	-10	2.6	-1.5	5.7	0	0	26	01	0	1	0	5	13	4	2	4	0
	2330	582	1000.6	938.0	..	30.6	23.1	19.5	22.9	53	..	1.8	..	5.2	0	0	21	00	0	0	0	3	15	3	0	9	0
JHALAWAR	0830	321	1000.8	965.9	+0.8	32.2	24.2	20.0	23.6	50	-11	2.5	-0.3	11.2[b]	0	1	28	00	0	0	0	0	13	13	3	0	0
	1730	321	995.0	961.2	+0.0	39.3	23.6	14.0	16.3	24	-16	3.9	+0.2	9.7	0	0	28	03	3	0	3	1	7	9	2	2	0
BANSWARA	0830		(R)																								
	1730		(R)																								
DUNGARPUR	0830		(R)																								
	1730		(R)																								
BUNDI	0830		(R)																								
	1730		(R)																								
SAWAI MADHOPUR	0830		(R)																								
	1730		(R)																								
MADHYA PRADESH, WEST																											
GWALIOR	0230	207	996.9	974.4	..	33.4	23.2	17.4	20.2	40	..	3.7	..	10.6	0	1	27	02	0	1	2	5	5	12	1	2	0
	0530	207	997.3	974.7	..	31.9	23.0	17.9	20.9	45	..	4.4	..	8.7	0	4	19	00	0	2	1	3	4	12	1	7	0
	0830	207	998.7	976.3	+0.3	35.0	24.2	18.5	21.5	39	- 3	3.2	+0.2	11.9	0	3	26	04	0	0	2	2	1	18	2	1	0
	1130	207	998.2	976.1	..	39.5	25.1	17.4	20.0	28	..	2.9	..	12.5	0	2	27	00	2	0	0	0	0	10	17	1	0
	1430	207	995.9	974.0	..	41.6	24.9	15.7	17.9	22	..	3.6	..	11.1	0	1	29	05	2	1	0	0	0	10	12	0	0
	1730	207	994.2	972.2	-0.1	40.4	24.3	14.8	17.2	23	- 8	3.9	-0.3	13.1	0	4	26	06	2	0	0	4	0	6	12	0	0
	2030	207	996.1	973.8	..	36.3	23.8	16.6	19.2	32	..	3.9	..	8.1	0	1	25	03	2	2	1	3	4	3	8	4	0
	2330	207	997.2	974.8	..	34.7	23.2	16.6	19.1	35	..	3.0	..	7.6	0	0	25	00	0	2	3	5	5	8	2	5	0
SHEOPUR	0830	235	1000.1	974.4	+0.8	33.1	24.1	19.4	22.9	46	- 6	3.4	-0.4	13.6	0	6	24	01	0	0	0	1	14	9	5	0	0
	1730	235	994.8	969.9	+0.8	40.3	26.9	20.4	24.6	33	- 2	3.7	-1.0	11.6	0	2	28	03	0	0	0	3	6	6	12	0	0
SHIVPURI	0830	464	999.1	949.1	..	32.3	22.6	17.6	20.5	43	..	3.5	..	7.2	0	2	27	01	1	0	0	0	2	24	1	1	0
	1730	464	994.3	945.4	..	37.7	23.0	15.1	17.4	27	..	4.6	..	9.2	0	2	28	02	2	1	0	0	3	17	5	0	0
NOWGONG	0830	229	999.4	974.6	+0.4	33.8	24.4	19.7	23.2	45	- 9	3.4	-0.3	7.6	0	0	29	00	2	1	0	4	13	8	1	1	0
	1730	229	994.6	970.3	+0.1	39.8	24.9	16.5	19.3	28	-15	3.5	-1.2	7.5	0	0	28	03	2	1	0	1	8	9	4	2	0
GUNA	0530	478	999.3	947.2	..	28.5	22.4	19.1	22.6	59	..	3.6	..	8.8	0	2	25	01	0	1	0	2	2	21	0	3	0
	0830	478	1000.4	948.7	+0.4	31.7	23.9	20.1	24.0	53	- 3	3.3	+0.1	11.3	0	3	27	00	0	0	0	1	2	26	1	0	0
	1130	478	999.2	948.4	..	36.5	25.0	19.6	23.1	39	..	2.7	..	14.1	0	6	24	03	0	1	0	1	2	19	4	0	0
	1430	478	996.5	946.3	..	39.0	24.6	17.6	20.4	30	..	4.3	..	10.9	0	4	26	04	0	1	0	2	3	12	7	0	1
	1730	478	995.2	944.7	+0.1	37.3	23.9	17.1	20.0	33	-19	5.1	+0.7	13.3	0	6	24	03	0	0	2	3	4	13	5	0	0
	2330	478	999.1	947.5	..	31.6	22.9	18.3	21.5	48	..	3.0	..	9.2	0	2	27	01	0	1	0	5	7	12	3	1	0
NEMACH	0830	496	1002.1	948.2	+0.9	29.3	23.6	21.1	25.1	62	- 5	3.2	-0.6	21.2	0	16	14	00	2	0	0	0	13	14	1	0	0
	1730	496	996.7	944.3	+0.2	36.6	23.0	15.7	18.1	30	-13	3.5	-0.9	16.7	0	12	18	02	6	0	1	0	10	9	2	0	0
RAJGARH	0830	382	1001.2	959.5	+0.2	30.3	26.1	24.2	30.4	71	+13	2.6	-0.8	20.3	0	15	15	01	0	0	0	1	2	25	1	0	0
	1730	382	995.7	955.4	-0.1	38.9	27.8	22.8	28.7	42	+ 4	3.1	-1.6	14.5	0	8	22	07	0	0	1	0	3	14	5	0	0
SAGAR	0830	551	1001.1	940.7	+0.6	25.7	17.0	10.8	13.2	40	-18	4.5	+0.3	6.3	0	0	30	00	5	5	0	0	6	10	4	0	0
	1730	551	996.9	937.2	+0.5	28.1	22.0	18.7	21.6	58	+13	3.0	-2.3	8.5	0	0	30	00	9	10	0	0	1	6	4	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JUNE 1965 (JYAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of mean standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, WEST (CONTD)																											
RATLAM	0830	486	1003.0	949.8	+1.2	28.1	24.1	22.5	27.3	71	- 9	6.0	+0.5	18.3	0	17	11	00	0	0	0	1	7	18	2	2	0
	1730	486	997.7	945.9	+0.7	34.9	24.3	19.1	22.3	43	- 8	3.7	-1.3	18.3	0	16	14	02	0	0	0	1	8	18	1	0	0
BHOPAL (BAIRAGARH)	0230	523	999.7	943.0	..	28.7	21.8	18.1	21.0	54	..	4.4	..	15.7	0	9	21	00	0	0	0	2	7	17	4	0	0
	0530	523	1000.4	943.4	..	27.5	21.8	18.9	22.1	61	..	5.7	..	17.3	0	10	20	00	0	0	0	1	8	15	6	0	0
	0830	523	1001.6	944.9	+0.6	29.8	23.1	19.9	23.4	56	- 7	5.3	+1.2	20.7	0	21	9	01	0	0	0	1	4	14	10	0	0
	1130	523	1000.1	944.4	..	35.0	23.6	18.1	20.9	38	..	5.2	..	18.9	0	16	14	04	0	0	0	0	3	12	11	0	0
	1430	523	997.0	942.0	..	37.5	23.4	16.1	18.6	30	..	6.4	..	14.8	0	7	23	03	1	0	1	1	4	13	7	0	0
	1730	523	995.8	940.6	+0.1	36.2	23.2	16.3	18.9	34	- 7	6.3	+1.1	15.3	0	7	22	05	4	0	1	1	3	9	6	1	0
	2030	523	998.4	942.3	..	32.3	22.5	17.3	20.1	43	..	5.3	..	10.9	0	3	21	02	3	0	1	3	6	8	1	6	0
	2330	523	1000.1	943.6	..	30.3	22.0	17.6	20.5	49	..	4.9	..	12.9	0	8	18	00	0	0	2	2	6	10	6	4	0
UJJAIN	0830	489	1002.6	949.1	..	28.2	24.4	22.8	27.8	73	..	5.3	..	17.6	0	15	15	01	0	0	1	0	2	19	7	0	0
	1730	489	996.8	944.9	..	35.6	24.4	19.1	22.3	40	..	4.2	..	18.4	0	17	12	02	1	0	0	0	1	17	8	1	0
NARSINGHPUR	0830	356	1000.6	961.9	..	31.9	25.8	22.9	28.2	60	..	3.2	..	11.9	0	6	24	00	0	0	0	0	8	22	0	0	0
	1730	356	995.1	957.3	..	37.8	26.8	21.6	26.3	41	..	4.8	..	3.1	0	0	30	00	8	0	0	0	9	2	11	0	0
HOSHANGABAD	0830	302	1002.2	969.0	+0.9	30.2	23.8	20.5	24.3	57	- 5	4.2	-0.7	3.1	0	0	30	00	0	0	10	0	12	0	8	0	0
	1730	302	996.1	964.0	+0.2	38.2	25.1	18.2	21.3	33	-11	5.4	-0.1	3.2	0	0	30	00	0	0	3	0	17	1	9	0	0
INDORE	0530	567	1001.7	939.5	..	24.9	23.0	22.2	26.8	85	..	4.7	..	21.4	0	20	9	00	1	0	0	3	12	12	1	1	0
	0830	567	1002.6	940.8	+0.7	27.2	24.4	23.2	28.5	80	+ 7	4.9	+0.4	26.8	0	24	6	00	0	1	0	1	12	15	1	0	0
	1130	567	1001.3	940.5	..	32.3	25.7	22.9	28.1	59	..	4.7	..	22.4	0	19	11	02	0	0	0	2	12	13	1	0	0
	1730	567	996.8	936.7	+0.1	34.5	24.9	20.6	25.0	47	+ 0	5.4	+0.5	22.7	0	20	8	02	0	0	0	3	7	11	4	2	1
	2330	567	1001.3	939.6	..	27.8	23.2	21.0	25.1	69	..	3.3	..	18.7	0	13	14	01	0	0	0	2	14	10	0	2	0
RAJPUR (JHABUA)	0830	293	1003.9	971.5	+0.2	28.3	25.1	23.6	29.1	76	+ 0	5.2	-0.2	11.0	0	5	21	00	0	0	1	0	8	17	0	4	0
	1730	293	999.0	967.4	+0.0	35.1	25.3	20.4	24.2	44	- 3	3.8	-0.1	12.0	0	3	23	00	0	1	0	0	7	18	0	4	0
CHHINDWARA	0830	685	1000.8	927.3	+0.2	29.4	23.1	20.1	23.7	59	- 5	3.5	-0.8	7.5	0	0	30	00	7	12	5	0	2	3	1	0	0
	1730	685	996.4	923.9	+0.4	32.4	23.6	19.4	22.8	49	- 4	4.5	-1.0	4.2	0	0	29	02	2	19	2	1	0	2	1	1	0
SEONI	0830	619	1000.8	934.2	+0.7	29.3	23.9	21.5	25.8	65	+ 2	4.7	-0.6	10.1	0	2	28	05	0	0	0	1	6	5	13	0	0
	1730	619	996.0	930.7	+0.3	34.1	24.6	20.8	24.7	51	- 4	5.4	-0.2	10.5	0	2	28	05	1	1	1	5	5	4	8	0	0
BETUL	0830	653	1002.3	931.7	+0.8	28.3	24.0	22.1	26.7	70	+ 0	5.1	-0.4	10.7	0	1	29	03	0	0	0	0	1	16	10	0	0
	1730	653	995.8	927.2	-0.1	35.2	24.7	19.9	23.5	43	- 8	4.9	-1.1	8.1	0	0	30	00	0	0	2	2	5	10	13	0	0
KHANDWA	0830	318	1002.9	967.8	+0.5	28.9	24.1	21.9	26.2	65	- 1	3.0	-1.6	6.7	0	0	28	01	0	0	0	1	5	12	9	2	0
	1730	318	996.8	962.8	+0.0	37.3	24.9	18.4	21.3	35	- 9	4.0	-1.4	6.8	0	2	23	00	0	0	0	1	7	8	9	5	0
TIKAMGARH	0830	346	1000.0	962.5	..	32.7	24.5	20.3	24.0	49	..	3.1	..	9.4	0	2	28	04	1	0	0	2	7	11	5	0	0
	1730	346	995.6	959.0	..	36.9	24.5	16.9	19.4	30	..	3.7	..	9.2	0	1	29	03	2	0	0	4	11	6	4	0	0
KANNOD	0830	353	1004.0	965.2	..	28.9	26.3	25.1	32.1	81	..	3.0	..	14.6	0	7	23	00	0	0	0	0	8	16	6	0	0
	1730	353	998.1	960.4	..	36.9	28.4	24.9	31.8	51	..	3.4	..	12.2	0	3	27	02	1	1	0	1	8	10	7	0	0
MADHYA PRADESH, EAST																											
SATNA	0530	317	997.6	963.0	..	30.7	23.2	19.1	22.2	52	..	3.3	..	4.1	0	1	17	01	0	2	0	1	9	2	3	12	0
	0830	317	998.7	964.5	+0.3	34.2	24.0	18.6	21.6	41	-12	2.9	-1.1	5.9	0	0	27	01	0	3	0	0	1	22	0	3	0
	1130	317	997.0	963.9	..	38.4	24.5	16.8	19.4	30	..	2.7	..	11.1	0	5	25	01	0	3	0	0	4	9	12	0	1
	1430	317	995.3	961.8	..	39.8	24.5	15.6	18.2	26	..	4.2	..	11.5	0	5	21	02	1	1	0	2	4	5	11	4	0
	1730	317	994.0	960.5	-0.2	34.0	23.8	14.7	17.1	26	-18	4.1	-0.8	6.2	0	0	30	04	1	0	2	0	1	11	11	0	0
	2330	317	997.6	963.3	..	33.2	23.7	18.4	21.6	44	..	2.9	..	5.7	0	3	17	00	1	6	5	0	4	4	0	10	0
REWA	0830	299	998.2	965.9	..	34.4	29.5	26.8	35.5	66	..	4.2	..	4.9	0	0	29	01	2	0	2	2	4	13	5	1	0
	1730	299	994.0	962.2	..	..	..	..	..	..	..	5.2	..	4.4	0	0	29	09	4	0	0	1	3	2	10	1	0
SIDHI	0830	272	998.6	969.1	+0.2	33.3	25.9	22.4	26.9	53	+ 0	1.2	-1.4	0.2	0	0	3	02	1	0	0	0	0	0	0	27	0
	1730	272	994.0	965.0	-0.5	37.4	26.1	20.7	24.8	40	- 1	2.3	-2.1	0.7	0	0	6	02	3	0	0	1	0	0	0	24	0
UMARIA	0830	459	999.7	950.2	+0.7	32.1	24.2	20.7	24.5	51	- 4	5.5	+0.7	4.3	0	0	28	00	0	1	0	1	7	7	4	2	8
	1730	459	994.1	945.8	-0.4	37.9	24.9	18.8	21.8	34	-12	5.7	-0.1	4.0	0	1	28	04	3	1	0	3	3	5	8	1	2
JABALPUR	0530	393	999.4	956.4	..	28.7	23.4	20.6	24.4	63	..	5.0	..	3.4	0	0	20	01	0	0	3	2	8	5	1	10	0
	0830	393	1000.4	957.9	+0.6	32.1	24.4	20.5	24.3	52	- 5	3.7	-1.0	5.9	0	0	24	00	0	0	0	0	6	17	1	6	0
	1130	393	999.0	957.2	..	37.2	25.4	19.3	22.7	37	..	3.8	..	7.9	0	0	29	00	1	0	1	0	5	13	9	1	0
	1430	393	996.0	954.6	..	38.9	25.5	18.6	21.8	32	..	5.1	..	6.0	0	0	29	01	3	0	1	1	4	6	13	1	0
	1730	393	994.9	953.2	-0.1	36.9	25.0	18.9	22.0	37	- 8	6.0	+0.3	5.9	0	1	25	00	6	0	0	2	6	3	9	4	0
	2030	393	997.8	955.5	..	32.6	24.2	19.7	23.2	48	..	4.3	..	3.4	0	0	19	01	1	0	2	3	5	5	2	11	0
	2330	393	999.4	956.7	..	30.8	23.9	20.4	24.1	56	..	4.6	..	3.5	0	0	17	00	3	1	2	4	2	5	0	13	0
AMBIKAPUR	0830	611	999.9	934.4	+0.7	30.2	24.0	21.2	25.2	59	- 2	4.3	+0.7	6.1	0	0	25	01	0	1	0	3	12	8	0	5	0
	1730	611	995.6	930.9	+0.2	32.8	23.9	19.6	23.1	49	- 2	6.4	+1.9	9.5	0	0	30	08	2	5	2	2	2	8	1	0	0
JASHPURNAGAR	0830	779	999.6	916.4	..	27.9	23.2	21.0	24.9	66	..	2.2	..	2.7	0	0	23	02	0	0	0	0	17	0	4	7	0
	1730	779	996.4	913.7	..	28.5	23.3	20.8	24.7	65	..	5.2	..	2.1	0	0	21	00	3	0	1	0	11	1	5	9	[illegible]
PENDRA	0530	625	999.4	931.6	..	26.0	22.1	20.2	23.8	72	..	3.7	..	6.3	0	1	20	01	0	0	1	10	5	3	1	9	[illegible]

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JUNE 1969 (JYAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															42 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST (CONTD.)																												
PENDRA	0830	625	999.7	932.7	+0.2	30.0	23.7	20.7	24.6	59	- 1	2.7	-2.5	9.1	0	3	23	05	0	1	2	10	2	3	3	4	0
	1130	625	998.5	932.4	..	33.9	24.3	19.8	23.3	45	..	3.6	..	8.8	0	2	23	04	1	0	1	5	3	7	4	5	0
	1430	625	995.9	930.2	..	34.6	23.9	18.8	21.9	41	..	4.5	..	12.6	0	6	22	05	0	1	0	6	5	4	7	2	0
	1730	625	995.8	929.4	+0.1	32.1	23.2	18.9	22.1	50	- 5	5.4	-0.8	8.7	0	3	24	05	3	2	2	7	3	4	1	3	0
	2330	625	999.9	932.2	..	27.1	22.7	20.7	24.5	69	..	5.3	..	11.1	0	8	17	01	1	0	0	11	8	2	2	5	0
MANDLA	0830	443	1000.6	952.5	+0.5	30.4	24.2	21.1	25.2	59	- 5	3.3	-1.2	3.4	0	1	16	04	0	0	0	4	3	3	3	13	0
	1730	443	994.9	948.0	-0.2	35.7	24.4	18.2	21.3	40	-13	5.6	-0.1	7.3	0	1	21	03	1	0	1	2	5	1	6	8	3
CHAMPA	0830	245	1000.7	973.7	+0.5	30.5	25.2	22.8	27.8	65	+ 5	5.0	-0.5	7.1	0	1	27	00	0	3	0	0	10	14	1	2	0
	1730	245	995.6	969.3	+0.1	35.5	25.5	20.7	24.6	45	+ 0	6.1	-0.4	9.3	0	2	28	03	4	1	1	2	14	5	0	0	0
RAIGARH	0830	220	1000.9	976.7	+0.9	30.6	25.4	23.0	28.2	65	+ 4	6.0	+0.5	3.7	0	0	30	01	4	0	0	0	18	1	6	0	0
	1730	220	996.2	972.4	+0.6	34.9	25.7	21.3	25.5	47	- 1	6.6	+0.9	3.7	0	0	29	00	7	0	0	0	17	0	5	1	0
RAIPUR	0530	298	999.6	966.7	..	27.8	24.5	23.0	28.2	76	..	6.3	..	4.6	0	0	28	01	1	0	2	8	11	4	1	2	0
	0830	298	1001.3	968.6	+0.8	30.0	25.6	23.6	29.2	70	+ 9	5.4	-0.1	6.8	0	0	30	00	0	0	1	5	12	9	3	0	0
	1130	298	1000.2	968.0	..	34.5	26.7	23.3	28.7	54	..	4.9	..	7.2	0	0	30	01	1	0	0	2	10	12	4	0	0
	1730	298	996.7	964.4	+0.3	33.5	25.9	22.4	27.3	54	+ 5	6.3	+0.2	6.4	0	0	28	05	1	0	1	6	7	6	2	2	0
	2330	298	999.4	966.8	..	30.7	25.1	22.5	27.6	63	..	6.2	..	5.9	0	0	24	01	1	1	0	4	8	8	1	6	0
KANKER	0830	402	1001.8	958.0	+0.7	29.4	25.4	23.6	29.2	72	+ 8	5.4	-0.4	8.8[d]	0	0	27	00	0	0	1	0	25	1	0	0	0
	1730	2909	996.9	954.0	+0.2	34.0	27.3	24.8	30.8	59	+ 4	6.2	+0.0	8.1	0	1	29	01	1	0	1	1	25	1	0	0	0
JAGDALPUR	0530	553	1001.5	941.0	..	24.7	22.1	20.9	24.8	81	..	7.0	..	4.6	0	1	17	00	2	0	0	9	6	0	1	12	0
	0830	553	1002.7	942.6	+1.0	27.0	23.3	21.6	25.9	74	+ 3	6.7	+1.0	5.7	0	0	25	00	0	1	1	7	14	1	1	5	0
	1130	553	1001.4	942.0	..	30.7	24.3	21.4	25.0	60	..	6.7	..	8.3	0	0	28	00	0	0	0	4	10	11	3	2	0
	1430	553	998.9	939.8	..	31.4	24.2	21.0	25.0	57	..	6.8	..	8.9	0	1	28	01	0	1	1	2	7	13	4	1	0
	1730	553	998.6	939.1	+0.7	29.7	24.1	21.6	26.0	64	+ 3	7.3	+1.0	7.4	0	0	28	00	2	1	1	6	12	2	4	2	0
	2030	553	1001.4	941.3	..	27.2	23.6	22.1	26.6	75	..	5.8	..	3.4	0	0	14	00	0	0	0	5	7	1	1	16	0
	2330	553	1002.2	941.8	..	25.9	23.1	21.8	26.2	80	..	6.0	..	3.1	0	0	16	01	1	1	1	6	5	1	0	14	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																												
DESA	0830	136	1002.7	987.5	+1.1	29.3	25.2	23.3	28.6	71	- 3	5.3	+0.5	8.7	0	1	29	01	0	0	6	6	12	2	3	0	0
	1730	136	997.9	983.3	+1.2	38.0	25.4	19.1	22.2	35	- 6	3.0	-0.7	10.1[b]	0	1	28	00	0	0	13	0	6	3	4	0	3
RADHANPUR	0830	30	1002.3	999.0	-0.3	30.1	26.2	24.5	30.7	73	- 5	.	..	3.1	0	0	30	00	0	0	0	2	28	0	0	0	0
	1730	30	998.0	994.8	-0.3	37.9	26.6	21.3	26.3	40	- 7	.	..	3.7	0	0	30	00	0	0	0	0	27	1	2	0	0
IDAR	0830	219	1003.4	979.3	+0.9	29.4	25.1	23.2	28.3	70	- 5	4.0	-1.5	5.8	0	0	30	00	0	0	0	1	11	16	2	0	0
	1730	219	997.5	974.7	-0.3	37.4	24.8	18.5	21.0	34	-13	1.9	-2.4	5.5	0	0	30	00	0	0	0	0	13	16	1	0	0
AHMADABAD	0230	55	1001.7	995.5	..	29.6	25.7	23.9	29.7	72	..	2.7	..	13.7	0	5	25	01	0	3	1	1	9	14	1	0	0
	0530	55	1002.1	995.7	..	28.4	25.6	24.4	30.5	79	..	2.8	..	10.2	0	1	27	01	0	0	1	2	12	9	3	2	0
	0830	55	1003.5	997.2	+0.6	30.1	26.3	24.9	31.1	74	- 3	3.8	-1.0	12.6[b]	0	1	28	01	0	0	0	2	13	9	4	1	0
	1130	55	1003.2	997.0	..	34.2	26.7	23.4	28.9	54	..	3.7	..	16.3	0	9	20	00	0	0	0	5	9	10	5	0	0
	1430	55	1000.6	994.5	..	37.3	26.7	21.7	26.3	42	..	3.1	..	16.7	0	9	21	00	0	0	1	3	18	7	1	0	0
	1730	55	998.5	992.5	+0.9	37.2	26.4	21.5	25.5	42	+ 1	2.5	-1.4	17.4	0	12	18	02	0	0	1	7	14	5	1	0	0
	2030	55	1000.2	994.0	..	32.5	26.6	24.0	29.3	62	..	3.3	..	19.9	0	17	13	00	2	0	0	12	14	1	1	0	0
	2330	55	1002.1	995.9	..	30.8	26.1	24.0	30.0	68	..	3.4	..	13.7	0	5	24	00	0	2	1	5	15	5	1	1	0
DOHAD	0830	333	1003.2	966.5	+0.3	28.1	24.7	23.2	28.4	75	+ 0	4.1	-0.3	22.7	0	20	10	00	0	0	1	1	9	17	2	0	0
	1730	333	998.2	962.4	+0.3	34.8	24.7	18.8	21.7	43	- 2	2.8	-0.8	22.8	0	21	9	00	1	0	1	0	12	15	1	0	0
VALLABH VIDYANAGAR	0830	44	1003.6	998.7	..	29.2	26.9	25.8	33.2	82	..	2.2	..	5.9	0	0	30	00	0	0	0	4	20	3	3	0	0
	1730	44	999.2	994.4	..	35.8	27.8	24.5	30.7	54	..	1.3	..	10.1	0	2	28	00	1	0	1	9	18	1	0	0	0
BARODA AERODROME	0830	38	1003.9	999.7	+0.8	29.5	27.1	26.2	35.9	83	+ 8	4.3	-0.6	16.3	0	9	21	00	0	0	1	2	17	8	2	0	0
	1130	38	1003.5	999.3	..	32.9	27.7	25.5	32.8	66	..	4.8	..	18.6	0	14	16	00	0	0	0	2	16	11	1	0	0
	1730	38	999.4	995.2	+0.5	34.9	27.5	24.8	31.3	56	+ 4	2.6	-1.2	27.1	0	24	6	00	0	0	0	1	19	9	1	0	0
BARODA	0530	34	1002.4	998.4	..	28.0	25.6	24.5	30.9	81	..	3.0	..	3.6	0	0	27	00	0	0	1	0	22	4	0	3	0
	0830	34	1004.0	1000.1	+0.7	29.6	26.3	24.9	31.5	76	+ 2	2.5	-1.8	4.1	0	0	29	00	0	0	0	0	21	6	2	1	0
	1130	34	1003.8	999.9	..	33.5	26.4	23.2	28.6	56	..	3.9	..	6.2	0	0	30	00	0	0	1	0	14	12	3	0	0
	1730	34	999.6	995.8	+0.7	36.1	26.4	21.8	26.4	45	- 6	2.1	-1.2	8.5	0	1	29	00	1	0	0	0	24	4	1	0	0
	2330	34	1003.0	999.1	..	29.7	25.9	24.0	30.0	72	..	2.8	..	10.1	0	1	29	00	0	0	0	0	28	1	1	0	0
BRUACH	0830	17	..	..	..	29.4	27.8	27.1	36.1	86	+ 7	3.8	-0.9	15.1	0	6	24	00	1	0	1	0	16	8	4	0	0
	1730	17	..	..	..	34.5	28.4	25.9	33.8	63	+ 3	2.7	-0.6	27.0	0	27	3	00	0	0	0	3	22	3	2	0	0
SURAT	0530	12	1002.9	1001.6	..	28.3	26.2	25.3	32.2	84	..	3.7	..	6.5	0	2	24	01	1	0	0	1	23	0	0	4	0
	0830	12	1004.4	1003.0	+0.6	30.1	26.8	25.2	32.2	76	- 1	4.2	-1.9	7.5	0	0	30	00	0	0	4	0	24	0	2	0	0
	1130	12	1004.7	1003.5	..	32.5	27.0	24.8	31.1	65	..	4.7	..	12.1	0	3	27	00	0	0	4	0	25	0	1	0	0
	1730	12	1001.3	1000.0	+0.5	32.3	27.2	25.1	31.9	67	- 3	3.3	-1.0	14.8	0	7	23	00	0	0	0	0	30	0	0	0	0
	2330	12	1004.0	1002.7	..	29.0	26.6	25.7	32.8	82	..	2.9	..	12.8	0	5	24	00	0	0	0	1	28	0	0	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JUNE 1969 (JYAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or bt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SOURASHTRA AND KUTCH (INCLUDING [illegible])																											
ALIYA	0830	21	1001.9	999.5	+0.0	30.1	26.7	25.4	33.0	77	- 1	4.1	-1.2	22.3	0	20	10	00	0	0	0	1	26	2	1	0	0
	1730	21	999.6	997.2	+0.0	32.5	27.5	25.4	31.9	66	- 2	5.4	+0.0	19.6	0	16	14	00	0	0	0	2	23	5	0	0	0
BHUJ (RUDRAMATA)	0230	80	1000.6	991.6	..	28.5	26.6	25.9	33.6	86	..	2.0	..	17.3	0	12	18	00	0	0	0	1	20	9	0	0	0
	0530	80	1000.7	991.7	..	28.0	26.5	25.9	32.6	88	..	3.1	..	11.8	0	2	24	00	0	0	0	0	22	4	0	4	0
	0830	80	1001.9	993.0	+0.3	30.2	27.1	25.9	33.6	78	+ 6	4.0	+0.1	18.7	0	12	17	00	0	0	0	4	15	10	0	1	0
	1130	80	1001.5	992.7	..	34.6	27.9	25.2	32.1	58	..	3.1	..	23.9	0	23	7	00	0	0	0	1	19	9	1	0	0
	1430	80	999.7	991.0	..	36.6	28.0	24.4	31.9	50	..	2.7	..	27.2	0	25	5	00	0	0	0	2	20	8	0	0	0
	1730	80	998.6	989.8	+0.3	35.0	27.6	24.5	30.7	56	+ 6	3.0	+0.0	27.8	0	25	5	00	0	0	0	1	21	8	0	0	0
	2030	80	1000.2	991.3	..	30.7	27.0	25.5	32.6	74	..	2.7	..	23.3	0	20	10	01	0	0	1	0	18	10	0	0	0
	2330	80	1001.4	992.4	..	29.3	26.9	25.9	33.4	82	..	1.9	..	20.5	0	14	16	01	0	0	1	0	22	6	0	0	0
KANDLA AERODROME	0830	35	1002.5	998.6	..	30.6	27.0	25.4	32.2	74	..	3.1	..	27.2	0	24	6	00	0	0	0	4	23	2	0	0	1
	1130	35	1002.2	998.4	..	34.8	27.4	24.3	30.4	55	..	2.8	..	31.3	0	25	5	01	0	0	0	4	22	2	0	0	1
	1730	35	999.2	995.4	..	35.4	27.3	23.8	30.2	52	..	1.8	..	39.0	0	28	2	01	0	0	0	3	25	1	0	0	0
NEW KANDLA	0830	14	1003.0	1001.4	-0.1	30.4	26.7	25.1	31.9	74	- 3	4.4	+0.1	21.7	0	20	10	00	0	0	0	1	12	16	1	0	0
	1730	14	999.8	998.2	-0.3	34.1	26.9	23.6	29.5	56	- 3	2.0	-0.6	36.7	0	28	2	00	0	0	1	1	15	13	0	0	0
MANDVI	0830	9	1002.9	1001.8	+0.8	30.3	27.8	26.8	35.4	82	- 6	4.6	+0.3	29.6	0	25	4	00	0	0	0	0	15	14	0	1	0
	1730	9	1000.4	999.3	+0.5	31.6	28.4	27.1	34.8	77	- 8	4.3	+0.4	34.9	0	29	1	00	0	0	0	0	14	16	0	0	0
SURENDRANAGAR	0830	74	1003.3	995.0	+0.9	30.2	26.7	25.3	32.2	75	- 4	4.4	+0.5	14.4	0	5	25	00	0	0	1	4	7	17	1	0	0
	1730	74	998.4	990.3	+0.4	38.0	26.6	21.3	25.3	40	- 8	5.1	+0.6	18.3	0	11	18	02	0	0	0	2	6	17	2	1	0
OKHA	0530	7	1001.8	1001.0	..	28.9	27.1	26.4	34.4	86	..	3.6	..	20.6	0	20	9	00	0	0	0	1	20	7	1	1	0
	0830	7	1003.3	1002.5	..	30.2	27.7	26.7	34.6	82	..	3.9	..	22.1	0	22	8	01	1	0	0	3	19	6	0	0	0
	1130	7	1003.6	1002.8	..	31.6	28.1	26.7	35.0	76	..	3.8	..	24.2	0	26	4	01	1	0	0	0	17	10	1	0	0
	1730	7	1001.0	1000.2	..	31.3	28.3	27.2	36.1	79	..	3.6	..	26.5	0	27	3	00	0	0	0	0	16	12	2	0	0
	2330	7	1002.9	1002.1	..	29.5	27.4	26.6	35.4	85	..	2.0	..	22.1	0	20	9	00	0	0	0	1	22	4	2	0	0
JAMNAGAR AERODROME	0530	23	1001.8	999.5	..	27.3	25.6	24.9	31.5	87	..	2.5	..	11.6	0	1	27	00	0	0	1	4	18	5	0	2	0
	0830	23	1002.9	1000.7	+0.9	30.2	26.5	24.8	31.5	74	+ 5	4.2	-0.8	16.8	0	9	20	00	0	0	1	2	10	14	2	1	0
	1130	23	1002.8	1000.6	..	33.9	27.0	24.0	30.0	57	..	3.8	..	23.6	0	19	10	01	0	0	1	1	4	8	14	1	0
	1730	23	1000.0	997.8	+1.4	32.8	27.0	24.4	31.1	63	+ 1	3.0	-0.5	32.2	0	26	4	01	0	0	1	2	4	6	16	0	0
	2330	23	1002.5	1000.3	..	29.0	26.1	24.9	31.5	78	..	1.8	..	19.1	0	12	17	00	0	0	0	3	14	11	1	1	0
DWARKA	0830	11	1002.7	1001.4	+0.2	30.0	28.5	27.9	38.6	88	+ 7	3.8	-1.1	19.3	0	13	17	01	1	0	1	3	12	12	0	0	0
	1730	11	1000.9	999.6	+0.7	31.4	29.5	28.8	39.5	87	+10	3.8	-0.9	23.1	0	22	8	00	0	0	0	0	13	17	0	0	0
RAJKOT	0530	138	1001.8	986.8	..	26.7	24.9	24.1	30.0	86	..	2.0	..	13.2	0	9	18	01	0	1	0	1	24	0	0	3	0
	0830	138	1003.1	987.8	+0.6	29.3	26.0	24.6	30.7	76	+ 0	2.0	-2.7	24.1	0	24	6	00	0	1	2	0	21	5	1	0	0
	1130	138	1002.5	987.4	..	34.0	25.8	22.1	26.4	51	..	1.3	..	24.8	0	24	6	00	0	1	0	1	22	5	1	0	0
	1430	138	1000.0	985.1	..	37.1	26.0	20.7	24.4	40	..	1.3	..	26.3	0	24	6	00	0	0	0	1	21	6	2	0	0
	1730	138	999.1	984.1	+0.5	34.8	26.2	22.3	26.9	50	+ 2	2.0	-2.7	32.6	0	28	1	00	1	0	0	1	15	6	6	1	0
BHAVNAGAR AERODROME	0830	11	1004.1	1002.9	+0.7	29.9	26.5	25.1	31.9	76	+11	3.6	-0.7	20.5	0	22	7	00	1	0	2	3	15	7	0	1	1
	1130	11	1003.8	1002.6	..	33.4	27.2	24.6	30.9	61	..	4.3	..	20.1	0	16	14	00	1	2	2	7	11	6	1	0	0
	1730	11	999.7	998.4	+0.3	35.0	27.8	24.7	31.1	57	+10	3.0	-1.6	35.8	0	29	1	00	0	0	3	16	7	3	1	0	0
PORBANDER AERODROME	0830	7	1003.5	1002.7	+1.0	30.4	27.4	26.2	34.0	79	- 5	3.4	-1.5	18.9	0	18	12	01	0	0	3	2	17	7	0	0	0
	1130	7	1003.8	1003.0	..	32.0	27.8	26.1	33.8	71	..	3.8	..	23.7	0	26	4	01	0	0	0	3	17	8	1	0	0
	1730	7	1001.3	1000.5	+0.8	31.6	27.8	26.3	34.2	74	- 5	3.6	-2.4	24.4	0	28	2	01	0	0	0	2	19	8	0	0	0
KESHOD	0830	51	1003.6	997.9	-0.2	30.0	26.3	24.8	31.3	73	- 2	3.9	-0.5	21.4	0	22	8	01	0	1	1	2	6	18	1	0	0
	1130	51	1003.7	998.0	..	32.8	26.3	23.4	28.8	59	..	4.0	..	26.1	0	25	5	00	1	0	0	2	8	16	3	0	0
	1730	51	1001.6	995.9	+0.1	31.7	26.2	23.7	29.3	64	+ 1	3.7	-0.5	27.9	0	26	4	00	1	0	0	1	10	18	0	0	0
MAHUVA	0830	9	1003.8	1002.9	..	29.7	26.9	25.7	33.4	79	..	6.3	..	8.3	0	2	27	00	2	1	1	1	17	2	0	1	5
	1730	9	1000.6	999.5	..	31.9	28.8	26.1	33.9	66	..	5.1	..	22.4	1	6	23	01	0	0	1	4	13	3	0	0	8
VERAVAL	0230	8	1002.6	1001.7	..	28.6	27.1	26.4	34.2	88	..	2.6	..	21.7	0	19	10	01	0	0	1	2	10	14	1	1	0
	0530	8	1002.2	1001.3	..	28.5	27.0	26.4	34.4	88	..	3.7	..	20.8	0	19	11	00	0	1	2	1	10	14	2	0	0
	0830	8	1003.9	1003.0	+0.5	29.5	27.5	26.7	35.0	85	+ 2	3.9	-0.9	20.8	0	20	10	00	0	1	2	1	8	16	2	0	0
	1130	8	1004.3	1003.4	..	31.2	28.3	27.1	36.1	79	..	3.7	..	21.3	0	20	10	00	0	0	2	2	10	14	2	0	0
	1430	8	1003.0	1002.1	..	31.7	28.6	27.5	36.7	79	..	3.8	..	23.6	0	22	8	00	0	0	1	3	10	14	2	0	0
	1730	8	1001.7	1000.8	+0.6	30.6	28.2	27.3	36.1	82	- 2	4.6	+0.2	25.1	0	26	4	00	1	0	1	2	8	16	2	0	0
	2030	8	1002.6	1001.7	..	29.3	27.5	26.9	35.4	87	..	4.2	..	22.5	0	21	9	01	0	0	1	2	7	16	3	0	0
	2330	8	1003.6	1002.7	..	28.9	27.4	26.8	35.4	88	..	3.6	..	22.5	0	20	10	01	1	0	1	2	9	15	1	0	0
DIU	0830		1004.3	1002.6	..	30.0	27.0	25.8	33.0	78	..	3.7	..	10.7	0	4	26	00	0	2	2	0	5	20	1	0	0
	1730		1002.0	1000.3	..	31.0	27.3	25.8	33.0	74	..	4.0	..	20.4	0	18	12	00	0	0	2	2	13	12	1	0	0
KONKAN (INCLUDING GOA)																											
DAHANU	0830	5	1005.2	1004.5	+1.2	28.6	27.4	27.0	35.4	91	+ 5	5.4	-0.8	8.7	0	5	15	00	0	0	8	1	10	0	1	10	0
	1730	5	1002.4	1001.9	+0.8	31.1	29.2	28.5	38.9	87	+ 6	4.7	-0.6	23.1	0	19	9	00	0	0	2	0	23	3	0	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JUNE 1969 (JYAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KONKAN (INCLUDING GOA) (CONTD.)																											
BOMBAY (SANTACRUZ)	0230	14	1003.9	1002.3	..	27.5	25.9	25.3	32.1	88	..	5.3	..	9.9	0	5	18	00	1	2	3	2	7	7	1	7	0
	0530	14	1003.8	1002.1	..	27.1	25.7	25.0	31.9	88	..	5.3	..	8.9	0	0	22	00	1	3	4	1	5	7	0	8	1
	0830	14	1005.3	1003.7	+0.8	28.7	26.4	25.3	32.2	82	+ 2	6.0	-0.3	10.5	0	4	21	00	2	4	5	2	5	6	1	5	0
	1130	14	1005.4	1003.8	..	30.5	27.1	25.7	32.6	76	..	6.3	..	15.2	0	7	22	02	0	2	2	5	7	9	2	1	0
	1430	14	1003.9	1002.4	..	30.9	27.0	25.4	32.4	73	..	5.8	..	16.8	0	13	16	01	1	0	1	2	7	14	3	1	0
	1730	14	1003.0	1001.4	+0.7	30.1	26.8	25.4	32.6	76	+ 2	6.2	+0.3	17.5	0	11	18	00	1	1	0	2	8	14	3	1	0
	2030	14	1004.3	1002.7	..	28.7	26.3	25.3	32.2	82	..	5.7	..	14.1	0	8	20	00	0	2	1	4	7	12	2	2	0
	2330	14	1005.2	1003.5	..	28.1	26.1	25.3	32.2	85	..	5.4	..	11.1	0	4	22	00	1	2	2	3	7	9	1	4	1
BOMBAY	0830	11	1005.3	1004.1	+0.5	28.9	26.6	25.7	33.0	83	+ 3	5.6	-0.1	9.5	0	2	27	00	0	2	7	1	4	10	2	1	3
	1130	11	1005.4	1004.2	..	30.6	27.4	26.1	34.6	77	..	5.4	..	12.3	0	3	26	01	0	1	3	5	4	12	3	1	0
	1730	11	1003.0	1001.8	+0.4	30.5	27.2	25.9	33.4	77	- 1	5.9	+0.4	11.7	0	3	27	01	0	0	0	2	10	13	3	0	1
ALIBAG	0830	7	1005.4	1004.6	+0.0	28.2	26.8	26.3	33.0	89	+ 5	6.1	+0.1	14.8	0	9	21	01	2	4	5	7	5	3	1	0	2
RATNAGIRI	0830	96	1005.7	994.6	..	26.8	25.1	24.4	30.4	87	..	6.1	..	0.8	0	0	6	00	1	0	2	0	1	0	2	24	0
	1730	96	1002.8	992.1	..	28.2	25.3	24.0	29.8	80	..	7.2	..	3.3	0	0	21	01	0	2	3	0	8	4	3	9	0
RATNAGIRI	0830	20	1005.5	1003.3	+0.5	27.9	26.2	25.4	32.4	86	- 1	2.9	-3.4	8.2	0	3	11	00	0	0	0	3	1	10	0	16	0
	1730	20	1003.8	1001.5	+0.6	28.8	26.6	25.5	32.6	81	- 3	1.6	-4.5	11.9	0	4	16	00	0	1	0	2	0	17	0	10	0
RATNAGIRI	0830	35	1006.0	1002.0	+0.2	27.2	25.6	25.0	31.5	88	+ 3	7.7	+1.6	9.5	0	2	28	00	0	4	5	0	4	10	3	0	4
	1730	35	1004.1	1000.1	+0.3	29.1	26.2	24.9	31.5	79	- 1	6.7	+0.6	10.1	0	1	29	02	0	0	1	2	5	16	4	0	0
DEVGARH	0830	36	1006.5	1002.5	+0.6	27.0	25.3	24.5	30.7	87	+ 0	6.9	+0.4	14.3	0	8	22	00	2	9	3	1	2	9	3	0	1
	1730	36	1004.5	1000.5	+0.4	28.6	26.2	25.2	32.1	82	+ 0	6.4	+0.0	22.1	0	14	16	00	0	0	1	1	7	13	7	0	1
VENGURLA	0230	9	1006.0	1005.0	..	26.1	25.0	24.5	30.7	91	..	6.2	..	2.4	0	0	12	03	0	0	2	3	0	4	0	18	0
	0530	9	1005.4	1004.4	..	25.6	24.8	24.4	30.1	93	..	6.8	..	3.3	0	1	13	04	1	2	1	1	1	4	0	16	0
	0830	9	1007.1	1006.1	+0.4	27.1	25.4	24.7	30.9	87	+ 1	6.4	-0.4	3.5	0	0	18	01	2	3	2	4	4	2	0	12	0
	1130	9	1007.3	1006.3	..	28.7	26.1	25.1	31.7	82	..	6.3	..	5.3	0	1	21	01	0	0	3	4	7	6	1	8	0
	1730	9	1005.1	1004.1	+0.4	28.7	26.0	24.9	31.3	81	+ 0	6.9	+0.2	6.3	0	0	28	00	0	0	0	6	9	13	0	2	0
	2330	9	1007.0	1006.0	..	26.5	25.3	24.7	30.9	90	..	6.0	..	4.4	0	0	19	01	0	2	2	2	3	7	2	11	0
PANJIM	0530	60	1005.0	998.2	..	25.7	24.5	24.0	29.8	91	..	6.8	..	9.0	0	4	25	00	4	8	4	0	1	9	3	1	0
	0830	60	1006.7	999.9	..	26.4	25.1	24.5	30.7	89	..	7.1	..	9.0	0	1	28	02	5	8	2	2	3	3	4	1	0
	1130	60	1007.0	1000.2	..	28.3	25.8	24.8	31.1	82	..	7.1	..	12.4	0	5	25	01	2	4	0	2	5	11	5	0	0
	1430	60	1005.5	998.8	..	28.9	26.0	24.7	31.1	79	..	7.0	..	14.3	0	7	23	01	0	0	1	1	11	13	3	0	0
	1730	60	1004.6	997.9	..	28.6	25.7	24.5	30.7	79	..	7.0	..	13.7	0	6	24	00	2	1	1	3	5	12	6	0	0
	2030	60	1005.9	999.2	..	27.4	25.5	24.7	31.1	85	..	6.6	..	12.5	0	4	26	01	3	0	0	2	7	13	4	0	0
	2330	60	1006.7	999.9	..	26.5	24.9	24.2	30.0	87	..	6.4	..	11.9	0	3	26	02	5	1	2	2	6	8	3	1	0
PORMUGAO	0530	62	1005.4	998.4	..	26.5	24.9	24.2	32.4	88	..	7.6	..	11.9	0	8	21	01	2	6	5	2	2	7	3	1	1
	0830	62	1007.0	1000.1	+0.3	27.2	25.2	24.4	30.4	86	+ 3	7.5	+1.5	14.5	0	9	20	01	3	4	5	5	1	8	2	1	0
	1130	62	1007.2	1000.3	..	28.1	25.7	24.7	31.1	82	..	7.5	..	17.7	0	11	16	01	0	0	1	5	5	11	4	3	0
	1730	62	1005.0	998.1	+0.5	28.5	25.7	24.5	30.7	80	- 3	7.4	+1.4	16.9	0	11	19	02	0	0	0	3	4	12	9	0	0
DABOLIM (NAVAL AIR STN.)	0530	52	1005.3	999.5	..	25.7	24.5	24.0	29.8	91	..	7.2	..	11.1	0	4	17	00	4	3	3	2	3	5	1	9	0
	0830	52	1006.8	1001.0	..	26.9	25.3	24.6	30.9	88	..	7.2	..	12.1	0	8	11	00	0	1	5	2	2	8	1	11	0
	1130	52	1007.3	1001.5	..	28.0	25.6	24.6	30.9	83	..	7.1	..	17.0	0	10	17	03	0	1	0	4	5	12	2	3	0
	1730	52	1004.8	999.0	..	28.5	25.6	24.3	30.4	78	..	7.2	..	19.1	0	12	17	00	0	0	1	3	3	17	5	1	0
	2330	52	1006.9	1001.2	..	26.8	25.1	24.4	30.4	87	..	7.1	..	15.5	0	10	14	02	1	0	1	1	8	9	2	6	0
MADHYA MAHARASHTRA																											
NANDURBAR	0830	206	1002.8	980.0	-1.1	29.0	25.1	23.1	28.6	72	- 2	3.4	-1.4	20.0	0	17	11	00	1	0	0	0	20	0	7	2	0
	1730	206	998.7	976.4	-0.9	33.9	24.8	20.1	25.9	47	- 3	3.4	-0.3	23.0	0	20	9	00	2	0	0	0	25	0	2	1	0
JALGAON	0830	201	1003.8	981.5	+0.9	29.0	25.2	23.5	28.9	73	+ 1	4.1	+0.0	24.1	0	18	12	00	0	0	0	1	3	15	11	0	0
	1730	201	998.3	976.6	+0.5	36.1	25.9	20.9	25.0	45	+ 3	4.5	+0.2	23.1	0	17	13	04	0	0	0	2	4	16	4	0	0
MALEGAON	0830	437	1004.0	956.0	+0.7	28.3	25.6	24.4	30.6	81	+14	3.3	-1.1	12.1	0	6	21	00	2	0	0	0	6	9	10	3	0
	1730	437	999.5	952.5	+0 I..	..	..	..	..	..	.	..	4.6	-0.9	13.0	0	5	25	02	2	1	1	0	2	9	13	0	0
NASIK	0230	608	1003.2	936.4	..	23.8	22.0	21.2	25.2	86	..	3.6	..	16.2	0	10	18	00	0	0	1	0	0	24	3	2	0
	0530	608	1003.3	936.3	..	23.2	21.7	21.0	24.9	88	..	4.4	..	14.3	0	4	22	01	0	0	0	1	0	17	7	4	0
	0830	608	1004.2	937.8	..	25.9	22.7	21.3	25.3	76	..	5.1	..	20.8	0	17	11	00	0	0	0	1	2	20	5	2	0
	1130	608	1003.3	937.6	..	29.5	23.3	20.5	24.1	59	..	5.2	..	23.9	0	20	8	00	0	0	0	1	2	20	5	2	0
	1430	608	1000.9	935.8	..	31.4	23.6	20.0	23.4	52	..	5.7	..	25.8	0	19	8	00	0	0	0	1	1	18	7	3	0
	1730	608	1000.2	934.7	..	29.4	23.4	20.6	24.4	61	..	6.2	..	30.5	0	27	3	00	0	1	0	0	4	19	6	0	0
	2030	608	1003.1	936.6	..	25.3	22.4	21.1	25.0	78	..	5.2	..	23.7	0	19	10	00	0	0	0	1	3	20	5	1	0
	2330	608	1004.4	937.6	..	24.2	22.1	21.1	25.0	83	..	4.3	..	18.9	0	13	17	00	0	0	0	1	2	25	2	0	0
AHMADNAGAR	0830	657	1004.0	932.3	-0.1	25.3	22.2	20.8	24.4	77	+ 5	5.9	+1.0	8.1	0	1	23	00	0	0	0	0	8	5	11	6	0
	1730	657	999.8	929.7	+0.7	30.1	23.0	19.7	22.9	58	+ 7	6.5	+0.9	12.5	0	5	23	01	2	1	0	1	10	7	6	2	0
POONA AERODROME	0230	593	1004.4	938.8	..	23.4	21.6	20.8	0.0	85	..	4.2	..	16.2	0	4	25	00	0	1	0	0	2	24	2	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JUNE 1969 (JYAISTHA 11 – ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD.)																											
POONA AERODROME	0530	593	1003.9	938.5	..	23.3	21.6	20.8	0.0	86	..	4.9	..	13.6	0	4	23	00	0	0	0	1	3	21	2	3	0
	0830	593	1004.7	939.6	..	25.6	22.4	21.0	0.0	76	..	5.5	..	20.7	0	15	14	00	0	1	0	0	1	26	1	1	0
	1130	593	1004.0	939.8	..	29.3	23.3	20.4	0.0	59	..	5.6	..	26.5	0	19	11	00	1	0	1	0	1	24	3	0	0
	1730	593	1001.8	937.4	..	27.8	22.8	20.4	0.0	66	..	6.6	..	34.0	0	29	1	00	0	0	1	0	3	25	1	0	0
	2330	593	1005.2	939.8	..	24.0	21.9	20.9	0.0	83	..	4.6	..	19.3	0	12	17	00	0	0	0	0	3	24	2	1	0
POONA	0530	559	1004.2	941.5	..	23.8	21.8	20.8	24.7	84	..	5.1	..	5.7	0	0	21	00	0	1	0	1	0	18	1	9	0
	0830	559	1005.1	943.8	+0.6	25.9	22.6	21.1	24.9	75	+ 4	5.9	+0.3	8.5	0	1	24	00	0	1	0	0	1	23	0	4	0
	1130	559	1004.3	943.7	..	29.6	23.2	20.2	23.7	58	..	6.0	..	10.7	0	5	20	00	0	0	0	0	2	22	1	5	0
	1430	559	1002.5	942.1	..	30.0	23.1	19.8	23.2	56	..	6.5	..	13.3	0	6	23	00	0	0	2	1	0	25	1	1	0
	1730	559	1002.4	941.5	+0.9	27.6	22.8	20.6	24.3	67	+ 6	6.9	+1.1	14.5	0	10	20	00	0	0	1	0	2	26	1	0	0
	2030	559	1004.4	943.0	..	25.3	22.1	20.6	24.3	76	..	5.3	..	9.7	0	1	26	00	0	0	0	0	0	27	0	3	0
	2330	559	1005.5	943.9	..	24.5	22.0	20.9	24.7	80	..	4.5	..	7.8	0	0	25	00	0	0	0	0	0	25	0	5	0
JEUR	0830	521	1005.0	949.5	+2.6	26.7	23.9	22.7	27.6	79	+ 4	3.6	-0.9	8.6	0	0	30	08	1	0	0	0	2	4	15	0	0
	1730	521	1000.9	944.8	+1.7	31.7	25.1	22.1	26.6	59	+ 8	5.1	-0.4	10.3	0	0	30	01	0	2	2	2	5	7	11	0	0
BARAMATI	0830	551	1004.2	943.8	-0.1	25.8	22.9	22.1	25.8	78	+ 2	3.7	-1.0	10.8	0	2	28	04	0	0	0	3	0	20	3	0	0
	1730	551	1000.3	941.1	+0.5	30.0	23.4	20.5	24.7	61	+ 3	5.0	-0.6	18.2	0	14	16	01	0	0	1	3	1	23	1	0	0
SHOLAPUR	0530	479	1004.0	951.0	..	24.4	22.5	21.6	25.9	85	..	5.4	..	6.8	0	0	29	00	2	0	0	0	11	10	6	1	0
	0830	479	1005.6	952.9	+0.8	27.3	23.8	22.3	26.9	74	+ 2	4.6	-0.5	6.5	0	0	30	00	2	0	0	0	13	5	10	0	0
	1130	479	1003.9	952.1	..	31.2	24.7	21.8	26.3	58	..	5.9	..	8.1	0	0	30	02	3	0	1	1	13	6	4	0	0
	1430	479	1001.0	949.7	..	33.7	24.7	20.7	24.4	48	..	6.3	..	9.4	0	2	28	01	4	0	0	0	18	6	1	0	0
	1730	479	999.9	948.4	+0.4	32.4	24.4	20.8	24.7	53	+ 4	6.5	+0.5	6.9	0	0	30	02	3	0	1	0	18	5	1	0	0
	2330	479	1004.9	952.1	..	26.0	22.7	21.2	25.0	76	..	4.8	..	8.0	0	0	28	00	2	0	0	0	16	9	1	2	0
MIRAJ	0830	554	..	..	..	25.8	22.6	21.1	24.9	76	- 5	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
	1730	554	..	..	..	29.3	23.5	20.8	24.1	61	- 3	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
KOLHAPUR	0530	570	1004.8	941.8	-0.2	23.1	21.7	21.0	24.9	88	+24	5.2	-0.9	8.2	0	0	26	00	0	0	0	0	0	25	1	4	0
	0830	570	1006.0	943.3	+0.6	24.9	22.5	21.4	25.5	81	- 1	6.1	+0.1	10.0	0	1	26	00	0	0	0	0	5	14	8	3	0
	1130	570	1005.2	943.2	..	28.3	23.1	20.7	24.4	65	..	5.6	..	17.5	0	12	17	00	0	0	0	0	4	19	6	1	0
	1730	570	1002.8	940.8	+0.5	27.3	22.9	20.8	24.7	68	- 3	6.0	+0.1	18.2	0	11	19	00	0	0	0	0	3	21	6	0	0
	2330	570	1006.2	943.3	..	23.9	21.9	21.0	23.2	84	..	4.4	..	8.9	0	0	29	00	0	0	0	0	0	21	8	1	0
NASIK	0830		..	..	..	25.8	22.6	21.2	25.0	77	..	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
SANGLI	0830	549	1005.6	945.2	..	25.2	22.9	21.8	26.3	82	..	6.2	..	14.5	0	9	21	00	0	0	0	3	4	19	4	0	0
	1730	549	1001.9	942.4	..	28.6	23.8	21.5	25.9	66	..	6.3	..	26.9	0	29	1	00	0	0	0	0	6	22	2	0	0
SATARA	0830		(R)																								
	1730		(R)																								
MARATHWADA																											
AURANGABAD	0830	581	1004.7	941.3	+0.6	26.1	22.7	21.1	0.0	74	- 2	5.3	+0.1	20.5	0	17	13	01	3	0	0	0	6	20	0	0	0
	1730	581	999.8	937.5	+0.5	31.8	23.7	19.8	0.0	51	+ 0	5.5	-0.7	20.6	0	12	18	01	5	1	1	1	2	15	4	0	0
AURANGABAD (CHIKALTHAN)	0230	579	1003.0	939.4	..	24.5	21.6	20.2	23.7	78	..	4.9	..	21.9	0	16	14	01	1	0	0	0	5	23	0	0	0
	0530	579	1003.2	939.3	..	23.7	21.2	20.0	23.2	81	..	5.1	..	16.5	0	9	20	01	0	0	0	0	5	18	5	1	0
	0830	579	1004.2	940.8	+0.5	26.2	22.3	20.4	24.1	71	- 4	5.2	+0.6	26.0	0	22	8	03	1	0	0	0	3	19	4	0	0
	1130	579	1002.8	940.4	..	30.8	23.1	19.3	22.7	52	..	4.9	..	24.5	0	20	10	01	0	1	2	1	5	13	7	0	0
	1430	579	999.9	938.2	..	33.3	23.2	18.2	20.6	43	..	5.9	..	23.0	0	16	14	01	1	1	0	0	4	15	8	0	0
	1730	579	998.7	936.8	+0.2	32.1	22.7	17.9	20.8	46	- 5	6.3	+0.5	21.3	0	13	16	03	1	0	0	0	5	14	6	1	0
	2030	579	1002.1	939.1	..	27.4	22.5	20.0	23.5	66	..	5.0	..	24.0	0	17	12	01	1	1	0	0	8	14	4	1	0
	2330	579	1003.8	940.3	..	25.5	22.0	20.2	23.8	73	..	4.8	..	22.2	0	17	13	01	0	0	0	0	5	21	3	0	0
PARBHANI	0830	423	1004.2	957.7	+0.7	27.9	23.6	21.4	25.6	69	- 3	3.9	-0.8	14.4	0	4	26	02	0	1	0	0	1	20	6	0	0
	1730	423	998.4	953.2	+0.7	35.0	24.7	19.3	22.7	43	- 4	6.1	+0.5	13.2	0	7	21	02	1	0	0	1	3	12	9	2	0
NANDER	0830	358	1004.4	964.8	..	29.0	24.5	22.3	25.9	68	..	4.0	..	7.4	0	0	26	00	0	0	0	1	21	0	4	4	0
	1730	358	998.8	960.0	..	34.2	25.2	21.3	25.6	49	..	4.8	..	7.9	0	0	28	00	0	0	1	0	25	0	2	2	0
BIR	0830	519	1004.9	948.1	..	27.0	22.7	20.7	24.1	69	..	4.8	..	6.0	0	0	29	00	2	0	1	0	5	5	16	1	0
	1730	519	999.6	944.0	..	32.3	23.8	18.7	22.1	48	..	5.6	..	10.4	0	1	28	00	4	0	1	0	6	7	11	1	0
VIDARBHA																											
GONDIA	0830	313	1001.4	967.2	+0.6	30.7	24.6	21.6	26.0	60	- 3	3.5	-1.3	2.3	0	0	24	01	0	0	1	1	8	6	6	6	1
	1730	313	996.4	962.9	+0.3	35.3	24.9	19.3	23.8	41	- 6	3.5	-1.9	2.4	0	0	26	06	1	1	2	4	4	5	3	4	0
NAGPUR (SONEGAON)	0230	310	1000.1	965.9	..	28.6	23.9	21.5	25.9	68	..	5.6	..	6.5	0	0	25	01	1	1	0	1	8	9	4	5	0
	0530	310	1000.4	966.2	..	27.6	23.6	21.6	25.9	72	..	5.4	..	6.5	0	1	24	00	0	0	0	2	8	11	2	5	2
	0830	310	1001.5	967.6	+0.5	31.3	24.2	20.7	24.5	55	- 4	4.7	-0.5	13.4	0	8	20	02	1	0	0	0	4	10	11	2	0
	1130	310	1000.3	966.9	..	35.9	25.2	19.8	23.3	40	..	4.9	..	14.6	0	7	23	02	1	0	1	2	3	9	12	0	0
	1430	310	997.4	964.4	..	37.9	25.4	19.1	22.3	35	..	5.5	..	13.2	0	4	26	03	1	1	2	4	6	7	6	0	0
	1730	310	996.4	963.2	+0.1	35.8	24.5	18.3	21.5	39	- 7	5.3	-0.9	13.5	0	6	24	03	1	0	1	4	4	8	9	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JUNE 1969 (JYAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VIDARBHA (CONTD)																											
NAGPUR (SONEGAON)	2030	310	999.1	965.3	..	31.7	24.2	20.3	24.2	54	..	5.9	..	10.7	0	3	26	00	1	2	2	5	7	7	5	1	0
AMRAOTI	2330	310	1000.7	966.6	..	29.7	24.1	21.5	25.5	62	..	5.7	..	11.0	0	4	24	01	2	2	1	6	5	7	4	2	0
	0830	370	1002.0	961.6	+0.2	30.0	25.2	22.9	28.0	66	+ 1	3.5	-1.5	7.3	0	0	30	02	0	0	0	1	5	13	9	0	0
	1730	370	997.2	957.3	+0.3	35.2	26.0	21.8	26.4	48	+ 5	4.7	-1.3	7.3	0	0	30	04	2	1	1	1	4	9	8	0	0
AKOLA AERODROME	0530	309	1001.3	967.0	..	27.2	22.6	20.0	23.5	67	..	5.5	..	13.2	0	3	26	00	0	0	0	0	5	14	10	1	0
	0830	309	1002.4	968.4	..	29.5	23.7	20.8	24.6	60	..	5.1	..	16.2	0	9	21	00	0	0	0	0	2	21	7	0	0
	1130	309	1001.4	967.9	..	34.1	24.6	19.7	23.0	44	..	5.2	..	14.5	0	5	25	00	0	0	0	1	3	10	16	0	0
	1430	309	998.4	965.3	..	37.1	24.6	17.7	20.4	33	..	5.6	..	13.9	0	3	27	00	0	1	0	0	2	13	14	0	0
	1730	309	996.5	963.5	..	37.0	24.1	17.0	19.6	32	..	5.7	..	14.7	0	6	24	02	0	0	0	1	3	12	12	0	0
	2030	309	999.0	965.5	..	33.0	23.7	18.5	21.6	46	..	5.5	..	13.8	0	5	25	01	0	0	0	5	5	11	8	0	0
	2330	309	1001.0	967.1	..	30.3	23.5	19.9	23.3	57	..	5.6	..	15.2	0	6	24	01	0	0	0	1	10	13	5	0	0
AKOLA	0830	282	1002.9	971.9	+0.7	29.5	24.9	22.7	27.7	68	+ 2	3.7	-0.7	9.6	0	1	29	00	0	0	0	0	24	0	6	0	0
	1730	282	997.5	967.4	+0.7	37.3	25.9	20.2	24.1	39	- 4	4.6	-0.1	10.9	0	1	29	00	3	0	2	0	13	0	12	0	0
PARAMBAPURI	0830	229	1002.2	977.0	-0.2	31.0	25.8	23.4	28.9	65	- 1	4.6	-0.4	6.3	0	0	30	01	0	0	1	7	7	11	3	0	0
	1730	229	996.7	972.1	-0.8	36.9	26.8	22.2	27.0	43	- 3	5.6	+0.2	5.9	0	0	29	00	2	0	1	12	4	6	4	1	0
BULDANA	0830	650	1003.5	932.7	+1.0	26.5	22.4	20.4	24.0	70	- 5	4.0	-1.0	13.2	0	3	27	01	0	0	0	0	7	1	21	0	0
	1730	650	997.8	928.8	+0.5	32.6	23.2	18.5	21.4	46	- 4	5.6	-0.1	8.9	0	1	29	04	1	0	1	0	4	1	19	0	0
YEOTMAL	0830	451	1002.4	953.2	+1.0	29.3	23.7	20.6	24.5	61	- 9	4.7	-0.4	24.7	0	22	8	00	0	0	0	0	2	22	6	0	0
	1730	451	996.8	948.8	+0.4	35.3	24.7	19.2	22.5	41	- 9	5.3	-0.5	16.7	0	9	21	03	2	1	3	2	5	10	4	0	0
CHANDRAPUR	0830	193	1002.2	980.9	+0.1	30.6	24.6	21.7	26.1	61	- 3	5.4	+0.4	13.2	0	7	23	01	0	0	1	3	5	12	8	0	0
	1730	193	996.9	976.1	-0.2	36.6	25.4	19.7	23.2	39	-10	5.5	+0.0	11.1	0	3	27	03	1	0	4	6	6	6	4	0	0
BHUSAD	0830	334	1003.7	966.9	..	29.2	25.5	23.8	29.5	72	..	3.2	..	7.5	0	0	30	00	0	0	0	0	14	4	12	0	0
	1730	334	998.2	962.4	..	35.6	28.3	25.3	32.8	58	..	5.2	..	9.3	0	1	29	00	1	2	2	1	11	5	8	0	0
SIRONCHA	0830	123	1003.4	989.7	+0.9	30.8	25.3	22.7	27.7	65	- 1	5.1	-0.2	1.9	0	0	26	01	0	2	0	2	7	14	0	4	0
	1730	123	998.5	985.1	+0.7	35.5	25.9	21.2	25.5	47	- 1	5.0	-0.6	2.3	0	0	27	02	3	3	5	1	8	2	3	3	0
WARDHA	0830	283	1002.3	971.2	..	30.9	25.5	23.0	28.2	64	..	4.2	..	5.7	0	0	30	05	0	0	0	3	7	7	8	0	0
	1730	283	998.0	967.5	..	35.1	26.1	23.9	26.5	49	..	5.2	..	4.7	0	0	29	05	3	2	1	5	6	3	4	1	0
BHANDARA	0830	266	1002.0	972.9	..	31.3	24.8	21.5	25.6	59	..	.	..	7.1	0	0	29	01	1	0	0	0	11	9	2	1	5
	1730	266	996.3	967.7	..	35.7	24.9	19.3	22.8	41	..	.	..	7.2	0	0	30	01	7	1	1	0	10	1	5	0	4
COASTAL ANDHRA PRADESH																											
KALINGAPATAM	0830	6	1002.2	1001.6	+0.8	29.7	27.6	26.9	35.4	85	+ 6	5.8	-0.1	13.2	0	7	21	00	0	0	0	12	13	3	0	1	0
	1730	6	999.1	998.5	+0.6	30.4	28.4	27.6	37.0	85	+ 8	5.1	-1.1	12.6	0	1	27	00	1	0	0	14	12	1	0	0	0
VISHAKHAPATNAM	0230	3	1001.1	1000.7	..	28.9	26.2	25.1	32.0	81	..	5.2	..	8.5	0	2	21	00	0	1	1	1	12	6	2	7	0
	0530	3	1001.5	1001.1	..	28.3	25.9	24.8	31.4	82	..	6.9	..	8.0	0	1	23	01	0	0	0	0	12	9	2	6	0
	0830	3	1002.6	1002.2	+0.7	30.3	26.6	25.0	31.8	74	- 6	6.7	+0.6	13.6	0	10	18	01	0	0	0	0	16	10	1	2	0
	1130	3	1001.9	1001.5	..	32.7	27.8	25.8	33.3	68	..	6.1	..	14.5	0	8	21	00	0	0	1	4	15	8	1	1	0
	1430	3	999.8	999.4	..	33.6	28.2	26.1	33.9	65	..	6.1	..	16.6	0	12	18	00	0	0	1	8	18	2	1	0	0
	1730	3	999.4	999.0	+0.5	31.6	27.7	26.2	34.1	74	- 9	6.7	+0.2	13.2	0	8	22	00	0	1	1	6	19	2	1	0	0
	2030	3	1001.5	1001.1	..	29.9	27.1	26.0	33.7	80	..	5.0	..	7.0	0	1	19	01	0	1	0	1	14	3	0	10	0
	2330	3	1002.2	1001.8	..	29.2	26.8	25.9	33.4	83	..	5.2	..	6.5	0	2	18	01	1	0	1	1	8	5	3	10	0
KAKINADA	0830	8	1003.2	1002.3	+0.5	30.1	26.8	25.5	32.6	77	+ 5	5.1	+0.0	10.9	0	0	29	00	0	0	2	0	27	0	0	1	0
	1730	8	1000.0	999.1	+0.8	32.9	27.8	25.7	33.1	67	+ 6	4.9	-0.2	11.3	0	1	29	00	0	0	3	2	23	1	1	0	0
NIDADAVOLE	0830	12	1003.6	1002.2	-0.3	29.0	26.4	25.2	32.3	81	+ 5	6.7	+0.2	7.6	0	1	29	01	1	1	0	3	14	9	1	0	0
	1730	12	999.8	998.3	-0.2	34.1	27.1	24.2	30.3	58	+ 0	6.5	-0.2	9.1	0	2	28	00	0	0	1	3	10	12	4	0	0
RENTACHINTALA	0830	106	1004.4	992.6	+0.7	30.6	25.5	23.3	28.9	66	+ 5	5.4	-1.1	3.1	0	0	28	01	0	0	0	1	1	24	1	2	0
	1730	106	999.4	987.9	+0.6	36.3	26.1	21.2	25.5	43	+ 0	4.4	-1.9	2.0	0	0	25	00	0	1	0	0	1	23	0	5	0
GANNAVARAM	0230	24	1001.8	999.1	..	28.6	26.1	25.0	31.8	81	..	5.1	..	9.7	0	2	23	00	0	0	1	11	7	5	1	5	0
	0530	24	1002.3	999.6	..	28.3	25.5	24.3	30.5	80	..	6.3	..	12.3	0	3	25	02	0	1	0	4	9	9	3	2	0
	0830	24	1004.0	1001.3	+0.9	30.6	25.3	22.8	27.9	64	+ 0	6.5	+0.7	17.6	0	12	18	00	1	1	0	2	2	21	3	0	0
	1130	24	1003.0	1000.4	..	33.9	26.1	22.5	27.3	53	..	6.3	..	20.4	0	18	12	00	1	0	0	0	1	20	8	0	0
	1430	24	1000.6	997.9	..	36.1	26.4	21.9	26.4	45	..	6.6	..	20.8	0	16	14	02	0	0	0	0	0	17	11	0	0
	1730	24	999.6	997.0	+0.7	35.6	26.1	21.7	26.0	46	- 2	6.4	+0.3	15.7	0	10	19	00	2	0	1	1	3	14	8	1	0
	2030	24	1001.7	999.0	..	32.0	25.7	22.9	27.5	60	..	4.9	..	7.4	0	0	19	02	0	0	0	8	4	4	1	11	0
	2330	24	1002.9	1000.2	..	29.5	26.2	24.7	31.3	76	..	5.1	..	11.1	0	1	25	00	0	1	0	16	4	4	1	4	0
MASULIPATAM	0830	3	1003.9	1003.6	+0.5	30.2	25.3	23.1	28.3	67	- 2	5.9	+0.9	3.5	0	0	28	00	1	0	1	1	13	6	4	2	2
	1730	3	1000.1	999.8	+0.7	34.7	26.2	22.5	27.5	53	- 6	6.0	+0.9	2.5	0	0	26	00	0	3	1	3	13	3	3	4	0
ONGOLE	0830	12	1004.4	1003.1	+0.8	32.2	25.5	22.3	27.0	56	-15	3.4	-1.6	8.1	0	0	30	01	0	0	0	0	2	23	4	0	0
	1730	12	1000.4	999.1	+0.8	36.0	26.4	22.0	26.6	46	-16	3.9	-1.5	6.5	0	0	29	01	0	5	1	1	2	16	3	1	0
NELLORE	0530	20	1002.9	1000.7	..	29.4	25.8	24.2	30.0	72	..	4.3	..	5.9	0	0	21	00	1	0	0	0	4	8	8	9	0
	0830	20	1005.3	1003.1	+0.9	32.0	27.0	24.9	31.4	67	+10	3.6	-2.2	9.1	0	0	30	00	2	0	1	0	10	2	15	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JUNE 1969 (JYAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lst. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL ANDHRA PRADESH (CONTD.)																											
NELLORE	1130	20	1004.5	1002.3	..	35.8	27.5	23.9	29.8	51	..	5.3	..	11.1	0	0	30	00	0	0	0	0	7	18	5	0	0
	1430	20	1002.0	999.9	..	38.1	28.2	24.1	29.9	46	..	5.1	..	9.7	0	0	30	00	0	0	0	0	3	20	7	0	0
	1730	20	1001.4	999.2	+0.9	36.5	28.0	24.6	31.1	53	+ 7	4.7	-1.4	8.7	0	0	30	00	3	0	1	0	9	4	13	0	0
	2330	20	1004.4	1002.2	..	30.7	26.9	25.3	32.2	73	..	4.0	..	4.1	0	0	12	00	1	0	0	0	3	3	5	18	0
VISHAKHAPATNAM (SOLAR)	0830		(R)																								
TELANGANA																											
RAMGUNDAM	0830	156	1003.0	985.7	+0.8	30.5	24.7	21.8	26.3	61	+ 2	5.3	-0.2	3.9	0	0	24	01	0	0	1	1	4	14	3	6	0
	1730	156	998.6	981.3	+0.7	36.2	26.0	21.0	25.3	44	+ 2	5.3	-0.2	3.3	0	0	30	02	4	1	0	3	6	8	6	0	0
NIZAMABAD	0830	381	1003.8	961.9	+0.7	28.9	0.0	0.0	0.0	0	..	5.6	+1.0	3.7	0	0	29	00	0	0	0	0	28	0	1	1	0
	1730	381	998.3	957.5	+0.5	35.6	0.0	0.0	0.0	0	..	6.1	+1.0	2.8	0	0	26	00	0	0	0	0	25	0	1	4	0
HANAMKONDA	0830	269	1003.6	973.9	+0.6	28.9	24.2	21.8	26.2	68	+ 6	5.3	+0.4	2.5	0	0	27	01	1	2	0	2	3	14	4	3	0
	1730	269	1000.3	971.6	+2.0	34.5	25.0	20.1	23.9	47	+ 1	4.8	-0.5	1.8	0	0	23	05	0	0	1	1	7	7	2	7	0
HAKIMPET AERODROME	0530	613	1003.0	935.8	..	24.5	22.0	20.7	24.5	80	..	6.1	..	28.8	0	20	10	00	0	0	0	0	2	21	7	0	0
	0830	613	1003.8	937.1	..	26.6	22.7	20.8	24.6	72	..	6.1	..	32.4	0	23	7	00	0	0	0	0	0	19	11	0	0
	1130	613	1002.5	936.8	..	30.9	23.9	20.6	24.5	56	..	6.0	..	35.9	1	25	4	00	0	0	0	0	2	19	9	0	0
	1730	613	999.6	934.3	..	32.0	23.7	19.6	23.0	50	..	6.2	..	23.8	0	18	11	02	1	0	2	0	4	14	6	1	0
	2330	613	1002.5	936.1	..	27.7	22.8	20.5	24.3	67	..	5.5	..	25.5	0	18	12	00	1	0	1	1	6	18	3	0	0
BHADRACHALLAM	0830	111	1003.2	990.9	+0.2	29.6	25.1	23.0	28.3	70	+ 6	5.9	-0.1	3.9	0	0	30	00	7	0	0	0	7	1	15	0	0
	1730	111	998.8	986.7	+0.4	34.3	26.6	23.1	28.6	55	+ 8	6.1	-0.6	3.7	0	0	30	01	9	1	0	0	3	0	16	0	0
HYDERABAD (BEGAMPET)	0230	545	1002.3	942.9	..	26.5	22.1	19.9	23.4	69	..	5.4	..	21.0	0	19	11	00	0	0	0	0	1	20	9	0	0
	0530	545	1002.9	943.2	..	25.1	21.9	20.2	23.8	75	..	6.0	..	16.9	0	12	17	01	0	0	0	0	2	16	10	1	0
	0830	545	1004.4	944.9	+0.6	26.8	22.6	20.7	24.5	70	- 1	6.2	+0.4	21.7	0	21	9	01	0	0	0	0	0	15	14	0	0
	1130	545	1003.0	944.4	..	31.2	23.7	20.2	23.8	54	..	6.2	..	20.4	0	16	14	02	0	0	0	0	1	7	20	0	0
	1730	545	998.8	940.7	+0.3	32.9	23.7	19.2	22.4	59	+ 5	6.5	+0.3	25.4	1	8	20	01	0	1	1	0	7	12	7	1	0
	2330	545	1003.1	943.9	..	28.0	22.7	20.1	23.7	64	..	5.7	..	15.7	0	11	16	01	1	0	1	0	1	16	7	3	0
KHAMMAM	0830	112	1004.0	991.4	+1.3	29.5	25.3	23.3	28.7	71	+ 2	6.7	+1.2	6.4	0	0	21	00	0	0	0	0	7	10	4	9	0
	1730	112	999.4	987.2	+0.9	34.0	26.5	23.1	28.4	55	+ 6	6.6	+0.4	1.7	0	0	16	02	0	1	0	0	1	10	2	14	0
MAHBUBNAGAR	0830	505	1004.9	949.5	+0.1	26.9	22.6	20.6	24.4	69	- 6	6.4	+0.1	8.0	0	0	30	01	0	0	0	1	7	6	15	0	0
	1730	505	999.5	945.4	-0.3	32.6	23.6	19.2	22.4	47	- 6	7.0	+0.5	8.3	0	0	28	02	1	0	0	1	8	15	1	2	0
RAYALASEEMA																											
KURNOOL	0830	281	1006.0	974.8	+0.7	28.6	23.5	20.9	24.7	64	- 5	6.0	-0.1	16.9	0	10	20	00	0	0	0	0	15	0	15	0	0
	1730	281	1000.3	969.9	+0.4	34.5	24.5	19.3	22.6	44	- 2	6.1	-0.2	16.3	0	9	21	00	2	0	3	0	18	0	6	0	1
NANDYL	0830	212	1005.2	981.7	..	28.8	24.2	22.0	26.5	67	..	6.2	..	10.3	0	5	21	01	0	1	0	0	6	7	11	4	0
	1730	212	1000.2	977.2	..	35.2	25.1	20.1	23.8	44	..	6.0	..	13.4	0	10	17	03	0	0	0	1	1	17	5	3	0
ANANTAPUR	0530	350	1004.7	965.8	..	25.7	22.8	21.3	25.4	77	..	5.3	..	12.5	0	1	29	00	0	0	0	0	8	21	1	0	0
	0830	350	1006.0	968.3	+1.7	27.9	23.4	21.2	25.2	67	- 2	6.1	+0.2	14.7	0	6	24	00	0	0	0	0	7	22	1	0	0
	1130	350	1004.6	966.6	..	32.2	24.3	20.4	24.0	50	..	6.6	..	19.2	0	15	15	00	0	0	0	0	7	19	4	0	0
	1430	350	1001.8	964.1	..	34.4	24.6	19.7	23.0	42	..	6.9	..	18.7	0	14	16	01	0	0	0	0	4	20	5	0	0
	1730	350	1000.9	963.1	+0.4	33.3	24.5	20.1	23.7	47	+ 0	6.9	+0.7	18.7	0	13	17	01	2	0	0	0	4	18	5	0	0
	2030	350	1003.5	965.2	..	30.1	23.8	20.6	24.2	57	..	5.5	..	16.7	0	12	14	00	0	0	0	0	2	23	1	4	0
	2330	350	1005.3	966.6	..	27.7	23.3	21.1	25.2	68	..	4.9	..	21.6	0	17	13	00	0	0	0	0	2	27	1	0	0
CUDDAPAH	0830	130	1006.1	991.6	+0.3	30.1	24.7	22.1	26.7	63	+ 0	4.3	-1.1	4.5	0	0	26	00	0	0	0	0	0	0	26	0	4
	1730	130	1000.9	986.7	+0.1	35.8	25.7	20.9	24.9	43	- 6	5.9	+0.2	4.1	0	0	22	00	0	0	0	0	0	0	22	0	8
AROGYAVARAM	0830	701	1007.2	931.1	+1.8	26.0	22.9	21.5	25.6	76	+ 9	5.7	-0.3	13.6	0	3	27	00	0	0	0	1	0	10	19	0	0
	1730	701	1001.0	927.0	+0.7	31.5	25.4	22.9	27.9	61	+13	6.3	-0.6	11.6	0	2	28	00	0	0	0	1	0	1	28	0	0
TAMIL NADU (INCLUDING PONDICHERRY)																											
MADRAS	0830	6	1005.6	1004.8	+0.3	31.0	26.4	24.4	30.9	69	+ 9	5.6	+0.0	14.5	1	6	23	00	0	0	0	1	4	23	2	0	0
	1730	6	1002.0	1001.3	..	31.8	27.7	26.0	33.9	73	..	6.4	..	8.6	0	0	29	01	1	0	18	5	2	1	1	1	0
MADRAS (MINAMBAKKAM)	0230	16	1003.5	1001.8	..	29.2	25.5	23.9	29.7	74	..	4.6	..	9.2	0	0	26	00	0	0	0	9	9	7	1	4	0
	0530	16	1003.9	1002.2	..	28.8	24.6	22.6	27.6	71	..	5.8	..	10.7	0	4	21	00	0	0	0	3	11	11	0	5	0
	0830	16	1005.5	1003.8	+0.3	31.4	24.7	21.5	25.7	56	- 2	5.5	-0.3	19.8	0	15	14	00	0	0	0	0	7	22	0	1	0
	1130	16	1004.7	1003.0	..	35.2	25.3	20.5	24.2	43	..	5.1	..	18.3	0	12	18	02	0	0	0	0	5	19	4	0	0
	1430	16	1002.3	1000.6	..	36.6	25.9	20.7	24.7	41	..	5.9	..	17.9	0	11	19	00	0	1	6	2	5	12	4	0	0
	1730	16	1001.8	1000.1	+0.2	33.2	25.9	22.4	27.4	56	- 3	6.3	-0.1	17.1	0	11	18	02	0	1	12	6	4	2	2	1	0
	2030	16	1004.1	1002.4	..	30.1	26.6	25.1	31.9	75	..	5.2	..	14.0	0	9	20	00	0	0	9	20	0	0	0	1	0
	2330	16	1004.9	1003.2	..	29.3	26.2	24.8	31.5	78	..	5.3	..	12.6	0	3	25	00	0	0	0	6	13	8	1	0	2
VELLORE	0530	214	1004.8	981.0	..	27.7	23.0	20.6	24.3	65	..	4.9	..	4.3	0	0	25	00	0	0	0	0	9	15	1	5	0
	0830	214	1006.2	982.5	+0.6	29.8	23.8	20.8	24.7	59	- 3	5.0	+0.0	8.9	0	0	30	00	0	0	0	0	1	29	0	0	0
	1130	214	1005.1	981.7	..	33.5	24.8	20.4	24.2	47	..	5.6	..	8.7	0	0	30	00	0	0	0	0	4	26	0	0	0
	1730	214	1001.4	978.2	+0.1	35.2	25.0	19.9	23.6	44	- 3	6.5	+0.4	7.9	0	0	30	00	1	0	0	2	1	25	1	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JUNE 1969 (JYAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or M. in gpm. of mean standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TAMILNADU(INCLUDING PONDICHERRY)(CONTD.)																											
VELLORE	2330	214	1005.5	981.8	..	29.5	24.2	21.6	26.0	63	..	5.2	..	3.3	0	0	21	00	0	0	0	1	0	19	1	9	0
TAMBARAM AERODROME	0830	29	1005.2	1002.0	..	31.7	24.9	21.7	26.0	57	..	5.4	..	23.0	0	20	9	00	0	0	0	0	5	21	3	1	0
	1730	29	1002.2	999.1	..	34.1	25.8	21.9	26.4	50	..	6.1	..	25.8	0	22	8	03	1	1	3	15	2	3	2	0	0
TIRUPPATTUR	0830	390	1008.9	965.3	+1.4	24.3	23.1	22.5	27.3	90	+20	6.6	+0.7	3.6	0	0	24	09	4	0	0	7	0	4	0	6	0
	1730	390	1004.8	962.2	+1.9	29.7	24.1	21.4	25.5	61	+10	7.7	+0.9	6.4	0	0	30	17	7	0	0	4	0	2	0	0	0
METTUR DAM R.S.	0830		..	..	..	29.2	23.7	20.9	24.8	61	..	3.3	..	4.9	0	1	26	00	3	0	6	0	15	0	3	3	0
	1730		..	..	..	33.4	23.8	18.5	21.5	43	..	5.8	..	9.1	0	3	27	00	1	0	1	0	19	0	9	0	0
CUDDALORE	0530	12	1004.4	1003.1	..	28.3	24.1	22.0	26.5	69	..	4.8	..	2.7	0	0	19	00	0	0	0	0	18	0	1	11	0
	0830	12	1005.7	1004.4	-0.3	31.7	24.9	21.6	25.9	56	- 7	4.6	-0.7	7.0	0	0	29	00	0	0	0	1	19	9	0	1	0
	1130	12	1005.1	1003.8	..	36.2	25.4	20.2	23.8	40	..	3.9	..	9.5	0	0	30	00	0	0	3	1	12	14	0	0	0
	1430	12	1002.6	1001.3	..	36.5	26.3	21.4	25.8	43	..	4.5	..	11.4	0	2	28	00	0	2	13	0	7	6	2	0	0
	1730	12	1002.2	1000.9	-0.1	31.8	27.1	25.1	32.1	70	+ 8	5.6	-0.3	13.3	0	7	23	00	0	0	26	0	4	0	0	0	0
	2330	12	1005.2	1003.9	..	29.9	25.6	23.7	29.5	70	..	4.9	..	14.0	0	6	23	00	0	0	4	10	14	1	0	1	0
KALLAKKURICHCHI	0830	127	1005.6	991.5	+0.2	30.8	25.7	23.4	29.2	66	+ 2	2.8	-1.8	2.6	0	0	17	00	0	0	2	0	15	0	0	13	0
SALEM	1730	127	1001.5	987.7	+0.1	35.2	26.3	21.9	26.9	50	+ 1	4.8	-1.0	6.7	0	1	23	00	2	0	1	1	14	1	5	6	0
	0530	278	1005.2	974.1	..	25.6	22.4	20.7	24.5	75	..	2.6	..	2.9	0	0	14	00	0	0	0	0	5	2	7	16	0
	0830	278	1006.7	975.8	-0.1	27.8	23.2	20.8	24.6	66	- 8	3.6	-1.6	4.1	0	0	24	00	0	0	0	4	11	6	3	6	0
	1130	278	1005.2	974.8	..	32.3	23.8	19.3	22.5	47	..	5.2	..	7.5	0	0	29	00	0	0	0	4	13	11	1	1	0
	1730	278	1001.8	971.7	-0.5	34.0	23.8	18.6	21.5	42	- 9	6.5	+0.1	5.1	0	0	25	00	0	0	1	3	11	9	1	5	0
	2330	278	1005.7	974.9	..	28.7	23.1	20.2	23.9	60	..	1.9	..	6.5	0	0	23	00	0	0	0	1	15	6	1	7	0
COIMBATORE(PILAMEDU)	0530	399	1006.6	962.0	..	23.1	22.0	21.5	25.7	91	..	4.5	..	17.5	0	10	20	00	0	0	0	7	22	1	0	0	0
	0830	399	1007.6	963.3	+0.6	26.1	23.1	21.6	25.9	77	+ 0	4.5	-1.2	21.6	0	19	10	00	0	0	0	5	23	1	0	1	0
	1130	399	1006.3	962.8	..	30.3	24.0	20.8	24.6	57	..	4.7	..	32.1	0	27	3	00	0	0	0	8	19	3	0	0	0
	1430	399	1004.1	960.8	..	31.5	24.0	20.1	23.6	51	..	5.0	..	36.2	0	30	0	00	0	0	0	5	20	4	1	0	0
	1730	399	1004.1	960.5	+0.3	29.0	23.2	20.2	23.8	60	- 6	5.3	-0.9	31.8	0	30	0	00	0	0	0	3	24	3	0	0	0
	2030	399	1006.8	962.5	..	25.5	22.8	21.4	25.5	79	..	4.6	..	27.3	0	29	1	00	0	0	0	5	24	1	0	0	0
	2330	399	1007.8	963.3	..	24.3	22.6	21.7	26.1	85	..	3.5	..	21.7	0	19	11	00	0	0	0	5	24	1	0	0	0
COIMBATORE	0830	409	1007.4	962.2	+0.3	26.8	22.7	20.5	24.3	69	- 6	5.6	-0.3	11.7	0	0	30	00	0	0	0	0	29	1	0	0	0
NAGAPATTINAM	0830	9	1006.7	1005.6	+0.0	31.2	24.4	21.2	25.2	56	- 5	5.6	+0.2	14.0	0	7	23	00	0	0	0	1	14	15	0	0	0
	1730	9	1003.0	1002.0	-0.1	32.7	26.7	24.1	30.2	61	+ 0	6.3	+0.8	20.1	0	20	8	00	0	0	4	15	8	1	0	0	0
TIRUCHCHIRAPPALLI	0230	88	1004.7	994.9	..	28.5	23.3	20.7	24.4	63	..	3.9	..	19.4	0	16	14	00	0	0	0	0	5	25	0	0	0
	0530	88	1004.9	995.0	..	27.8	23.3	20.9	24.8	66	..	4.4	..	18.5	0	17	13	00	0	0	0	0	6	24	0	0	0
	0830	88	1006.2	996.4	-0.3	30.5	24.1	20.9	24.8	57	- 2	4.4	-1.1	24.5	0	22	7	00	0	0	0	0	8	21	0	1	0
	1130	88	1005.5	995.8	..	35.1	24.9	19.8	23.2	41	..	4.2	..	27.3	0	25	5	00	0	0	0	1	8	21	0	0	0
	1430	88	1002.4	992.9	..	37.4	25.1	18.8	21.7	34	..	4.6	..	23.1	0	22	7	00	0	0	1	1	2	23	2	1	0
	1730	88	1002.0	992.4	-0.6	35.0	24.6	19.2	22.4	41	- 2	5.6	-0.6	22.0	0	20	10	00	0	0	2	3	3	19	3	0	0
	2030	88	1005.1	995.3	..	30.8	24.0	20.4	24.2	55	..	5.1	..	18.8	0	16	13	00	1	0	1	5	4	18	0	1	0
	2330	88	1005.9	996.1	..	29.5	23.5	20.3	24.0	59	..	4.2	..	19.5	0	16	13	00	0	0	0	0	4	24	1	1	0
VEDARANNIYAM	0830	4	1007.0	1006.5	..	31.6	25.8	23.1	28.4	61	..	4.9	..	10.3	0	1	29	01	0	0	1	5	22	0	1	0	0
	1730	4	1003.8	1003.3	..	30.9	26.5	24.6	31.0	70	..	4.3	..	13.1	0	2	28	00	0	0	4	6	19	0	1	0	0
ATIRAMPATTINAM	0830	6	1006.9	1006.2	..	31.2	25.2	22.8	27.9	61	..	3.3	..	7.6	0	0	22	00	1	0	0	5	5	6	5	0	0
	1730	6	1003.7	1002.9	..	31.0	27.3	25.8	33.3	74	..	4.2	..	29.8	0	21	1	00	0	0	0	21	1	0	0	0	0
MADURAI	0830	133	1006.7	991.9	+0.0	31.1	24.0	20.3	23.9	53	- 2	3.7	-2.0	4.7	0	0	30	12	0	0	0	1	3	1	13	0	0
MADURAI AERODROME	0530	131	1005.3	990.6	..	27.6	22.5	19.8	23.2	62	..	4.1	..	13.4	0	7	16	02	1	0	2	1	0	9	8	7	0
	0830	131	1006.5	992.0	-0.8	30.9	23.4	19.5	22.7	51	- 8	4.6	-0.9	15.3	0	6	21	02	1	0	1	1	4	7	11	3	0
	1130	131	1005.6	991.3	..	34.8	24.2	18.5	21.4	39	..	4.6	..	19.8	0	15	14	00	0	0	0	4	5	14	6	1	0
	1730	131	1002.8	988.4	-1.1	33.8	23.9	18.7	21.7	42	- 7	5.7	-0.8	29.7	0	24	5	01	2	1	1	1	2	20	1	1	0
TONDI	0830	5	1007.3	1006.7	-0.7	31.3	25.9	23.4	28.9	64	- 3	5.8	+0.5	5.9	0	0	29	00	0	0	3	10	14	2	0	1	0
	1730	5	1003.9	1003.3	-0.2	30.7	27.7	26.6	34.9	79	+ 4	6.2	+0.4	21.5	0	22	8	00	0	0	15	14	1	0	0	0	0
PAMBAN	0830	11	1007.2	1005.9	-0.2	29.8	27.1	26.0	33.6	80	+ 3	3.8	+0.0	19.3	0	12	18	00	0	0	2	16	12	0	0	0	0
	1730	11	1004.1	1002.8	-0.4	30.3	27.8	26.8	35.3	82	+ 3	5.5	+1.1	20.7	0	14	16	00	0	0	5	19	6	0	0	0	0
TUTICORIN	0830	4	1007.4	1007.0	-0.2	31.4	24.5	21.1	25.0	54	- 6	3.3	-0.9	16.4	0	11	19	00	0	0	0	1	7	21	1	0	0
	1730	4	1004.2	1003.8	-0.4	34.0	24.8	20.2	23.7	45	- 6	3.5	-0.5	25.9	0	26	4	00	0	0	0	0	0	30	0	0	0
PALAYANKOTTAI	0830	51	1007.4	1001.8	+0.3	31.7	24.4	20.9	24.8	54	- 3	5.5	-0.1	14.4	0	6	24	02	0	0	0	0	5	16	7	0	0
	1730	51	1004.1	998.5	-0.3	33.1	24.4	19.9	23.3	46	- 5	5.6	-0.5	23.5	0	23	7	01	0	0	0	0	6	17	6	0	0
KANNIYAKUMARI	0830	37	1008.6	1004.5	..	27.6	25.0	23.8	29.5	79	..	4.3	..	18.7	0	13	17	00	0	0	0	0	5	23	2	0	0
	1730	37	1006.3	1002.2	..	27.7	24.9	23.7	29.3	79	..	5.3	..	21.0	0	22	8	00	0	0	0	0	11	18	1	0	0
PONDICHERRY	0830	6	1005.3	1004.7	..	31.3	26.7	24.7	31.3	68	..	4.6	..	15.0	0	3	24	00	0	0	0	0	9	10	8	0	0
	1730	6	1001.7	1001.1	..	30.6	29.1	28.5	38.9	89	..	5.3	..	35.5	0	28	2	00	0	0	20	9	0	0	1	0	0
PORTNOVO	0830	3	1005.7	1005.4	..	32.6	26.1	23.0	28.4	58	..	4.7	..	11.3	0	1	29	00	0	0	0	0	21	2	7	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JUNE 1969 (VAISTHA 11 – ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gms. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TAMILNADU (INCLUDING PONDICHERRY) (CONTD.)																											
TUTICORIN H.P.	0830	3	1007.3	1007.0	..	30.6	25.9	23.8	29.6	68	..	4.1	..	20.5	0	16	14	00	0	0	0	2	10	16	2	0	0
	1130	3	1006.7	1006.4	..	34.0	26.2	22.6	27.7	53	..	4.3	..	28.3	0	24	6	00	0	0	1	5	2	17	4	0	1
	1430	3	1004.1	1003.8	..	35.2	26.4	22.2	27.2	49	..	4.3	..	27.3	0	27	3	00	0	0	0	6	3	19	2	0	0
	1730	3	1003.7	1003.4	..	33.7	25.4	21.4	25.8	50	..	4.2	..	30.5	0	29	1	00	0	0	0	1	2	23	4	0	0
COASTAL MYSORE																											
KARWAR	0830	4	1007.8	1007.3	+0.9	26.9	25.5	24.9	31.5	89	+1	7.5	+0.5	4.9	0	0	27	00	2	1	3	0	2	1	5	3	13
	1730	4	1005.8	1005.2	+0.5	28.4	25.7	24.6	30.9	80	- 2	7.3	+0.4	6.5	0	0	29	00	0	0	4	0	10	6	8	1	1
HONAVAR	0830	26	1007.8	1004.8	+0.0	25.6	24.5	24.1	30.1	92	+ 3	7.0	+0.1	3.1	0	0	25	01	0	12	0	6	1	2	3	5	0
	1730	26	1005.7	1002.7	-0.2	28.0	25.8	25.0	31.6	84	- 2	6.8	+0.0	4.2	0	0	28	00	0	2	0	13	1	11	1	2	0
MANGALORE (BAJPE)	0230	102	1006.8	995.2	..	24.4	23.7	23.4	28.8	94	..	7.0	..	7.1	0	0	21	01	5	3	9	2	0	1	0	9	0
	0530	102	1006.7	995.2	..	24.2	23.7	23.5	29.0	96	..	7.1	..	7.5	0	0	22	00	3	8	7	0	1	1	2	8	0
	0830	102	1008.3	996.8	-0.2	25.4	24.4	24.0	29.9	92	+ 1	7.0	+0.0	9.3	0	2	22	00	4	8	4	3	2	3	0	6	0
	1130	102	1008.3	996.9	..	27.5	25.3	24.3	30.5	83	..	7.2	..	12.0	0	6	19	02	0	1	2	1	7	10	1	5	1
	1430	102	1006.7	995.3	..	28.3	25.5	24.3	30.4	80	..	7.1	..	15.1	0	6	22	00	1	1	0	3	9	13	1	2	0
	1730	102	1006.0	994.6	-0.6	27.4	25.0	24.0	29.8	82	- 3	7.2	-0.1	14.3	0	5	24	00	1	1	1	1	5	14	6	1	0
	2030	102	1007.7	996.2	..	25.7	24.3	23.7	29.3	89	..	6.3	..	9.0	0	0	24	02	1	3	2	2	3	8	3	6	0
	2330	102	1008.4	996.8	..	24.8	24.0	23.7	29.3	93	..	6.7	..	8.1	0	0	22	00	2	9	2	1	2	5	1	8	0
MANGALORE	0830	22	1008.5	1006.0	+0.2	26.4	24.7	24.0	29.8	87	- 2	7.3	+0.2	3.2	0	1	21	00	0	8	5	0	0	1	0	8	8
	1730	22	1006.4	1003.9	+0.0	27.7	25.3	24.2	30.3	82	- 3	7.2	+0.0	4.3	0	0	29	01	1	1	1	1	9	6	1	1	8
MANGALORE H.P.	0830	32	1008.0	1004.4	..	27.8	25.5	24.9	30.9	93	..	7.1	..	6.9	0	2	26	00	1	5	9	4	4	4	1	2	0
	1130	32	1008.1	1004.5	..	27.9	25.8	24.7	31.2	84	..	6.9	..	8.9	0	3	26	01	3	2	1	3	5	11	3	1	0
	1730	32	1006.0	1002.4	..	27.6	25.6	24.7	31.1	85	..	6.9	..	10.4	0	2	27	01	0	0	2	1	4	12	9	1	0
INTERIOR MYSORE, NORTH																											
BIDAR	0830	664	1004.3	932.1	+0.9	26.1	22.5	20.8	24.6	74	- 2	6.8	+1.1	22.2	0	21	9	00	0	0	0	0	12	15	3	0	0
	1730	664	999.1	928.3	+0.7	30.7	23.3	19.6	23.3	56	+ 2	7.0	+0.5	13.6	0	4	25	02	2	0	1	1	12	7	4	1	0
GULBARGA	0830	458	1005.2	954.7	+0.4	26.3	22.9	21.4	25.2	75	+ 4	6.9	+1.4	13.2	0	7	23	00	0	1	0	0	3	26	0	0	0
	1730	458	999.8	950.4	+0.4	32.7	23.6	19.2	22.5	48	+ 1	7.3	+1.0	13.9	0	6	23	00	0	1	0	1	3	20	4	1	0
BIJAPUR	0830	594	1005.7	940.5	+0.5	25.5	22.6	21.3	25.4	78	+ 3	7.1	+1.8	13.0	0	6	24	00	0	0	0	0	7	21	2	0	0
	1730	594	1000.4	936.7	+0.1	30.4	23.4	19.9	23.4	55	+ 3	7.8	+2.0	9.3	0	1	28	02	0	0	0	0	6	18	3	1	0
RAICHUR	0830	400	1005.7	961.7	+0.5	27.1	23.2	21.3	25.3	71	- 2	4.8	-0.3	8.6	0	0	29	00	1	0	0	0	18	1	9	1	0
	1730	400	1000.2	957.2	+0.2	33.3	23.8	18.7	22.0	44	- 6	6.0	+0.2	9.6	0	1	28	00	1	1	0	0	15	6	6	1	0
BELGAUM	0830	753	1006.5	924.4	+0.2	23.7	22.1	21.4	25.5	87	+ 2	7.1	+1.2	4.3	0	0	27	00	0	0	0	0	3	22	2	3	0
	1730	753	1003.4	923.7	+1.5	25.7	24.0	23.3	28.8	87	+11	7.3	+1.3	6.5	0	0	30	00	0	0	0	0	6	19	5	0	0
BELGAUM (SAMRA)	0530	747	1005.5	923.6	..	21.8	20.6	20.1	23.5	89	..	6.2	..	10.0	0	1	26	00	0	0	0	0	11	13	3	3	0
	0830	747	1006.6	925.1	+0.3	23.7	21.4	20.3	23.9	82	- 2	6.8	+0.3	16.5	0	11	18	00	0	0	0	0	10	14	5	1	0
	1130	747	1005.7	925.0	..	26.9	22.0	19.5	22.8	66	..	6.4	..	23.5	0	21	9	00	0	0	0	0	10	16	4	0	0
	1430	747	1003.9	923.4	..	27.4	22.1	19.6	22.9	65	..	6.7	..	28.7	0	26	4	00	0	0	0	1	7	21	1	0	0
	1730	747	1003.6	922.8	+0.0	25.9	21.7	19.6	22.8	69	- 6	6.5	+0.1	25.9	0	25	5	00	0	0	0	0	11	18	1	0	0
	2030	747	1006.0	924.3	..	23.2	21.3	20.4	23.9	84	..	5.6	..	17.8	0	13	17	00	0	0	0	0	8	22	0	0	0
GADAG	0530	650	1005.7	934.1	..	22.5	21.8	21.4	25.5	93	..	6.1	..	10.5	0	1	28	00	0	0	0	0	12	17	0	1	0
	0830	650	1005.8	934.6	+0.0	24.6	22.8	22.0	26.4	86	- 2	6.6	+0.5	9.4	0	0	30	00	0	0	0	0	4	26	0	0	0
	1130	650	1005.3	935.1	..	28.7	24.1	22.1	26.6	68	..	6.2	..	13.7	0	6	24	00	0	0	0	0	12	17	1	0	0
	1430	650	1002.7	933.2	..	30.7	24.4	21.7	26.1	60	..	6.5	..	14.9	0	8	22	00	0	0	0	0	12	18	0	0	0
	1730	650	1001.7	931.9	-0.4	28.9	24.0	21.8	26.3	67	- 1	6.6	+0.4	11.4	0	0	30	00	0	0	0	0	6	23	1	0	0
	2030	650	1005.5	934.5	..	25.1	22.8	21.7	26.1	82	..	4.9	..	13.9	0	3	27	00	0	0	0	0	16	14	0	0	0
	2330	650	1006.8	935.4	..	23.6	22.5	22.0	26.4	90	..	4.9	..	11.3	0	2	27	00	0	0	0	0	15	14	0	1	0
BIDAR A.F.	0530	665	1003.4	930.3	..	23.7	21.1	19.6	22.9	78	..	5.5	..	20.8	0	13	17	00	0	0	0	1	8	18	3	0	0
	0830	665	1004.4	932.0	..	26.1	22.0	19.7	23.0	69	..	5.6	..	27.3	0	22	8	00	0	0	0	1	5	18	6	0	0
	1130	665	1003.2	931.7	..	30.0	22.8	19.2	22.4	53	..	5.5	..	23.6	0	16	13	02	0	0	0	0	4	19	4	1	0
	1730	665	999.4	928.4	..	30.8	22.6	18.3	21.5	52	..	6.0	..	21.1	0	13	15	02	3	0	0	1	8	12	2	2	0
	2330	665	1003.7	931.2	..	25.8	22.3	20.6	24.3	74	..	5.6	..	23.8	0	15	15	00	0	0	0	0	14	15	1	0	0
INTERIOR MYSORE, SOUTH																											
BELLARY	0830	449	1005.8	956.4	+0.4	27.1	23.3	21.3	25.4	71	+ 4	6.8	+1.2	10.7	0	4	21	00	0	0	0	0	4	14	7	5	0
	1730	449	1001.1	952.7	+0.2	32.0	23.8	19.5	23.0	49	- 1	7.2	+1.4	13.9	0	7	22	00	0	0	0	0	1	20	8	1	0
CHITRADURGA	0830	733	1006.8	926.5	+0.3	23.2	21.2	20.3	23.8	84	+ 5	5.1	-1.4	12.5	0	0	30	00	0	0	0	0	14	16	0	0	0
	1730	733	1002.5	923.9	+0.2	28.4	21.8	18.4	21.2	56	- 7	5.7	-0.7	10.9	0	0	30	00	0	0	0	0	11	19	0	0	0
SHIMOGA	0830	571	1006.9	944.0	+0.1	24.3	22.6	21.7	26.0	86	+ 3	6.4	+0.0	3.6	0	0	28	00	0	0	0	0	24	4	0	2	0
	1730	571	1004.3	942.1	+0.2	27.0	22.7	20.6	24.3	69	- 4	6.1	-0.2	4.0	0	0	30	00	0	0	0	0	0	30	0	0	0
AGUMBE	0830		1009.6	936.7	..	22.3	21.5	21.2	25.1	94	..	2.3	..	11.3	0	4	26	00	0	0	0	3	15	12	0	0	0
	1730		1007.4	934.7	..	22.7	21.8	21.4	25.5	92	..	3.3	..	9.2	0	2	27	03	0	1	1	6	10	8	0	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JUNE ,1969 (VAISTHA 11 - ASADHA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
INTERIOR MYSORE SOUTH (CONTD.)																											
BALEHONNUR	0830		..	..	..	22.1	21.2	20.7	24.4	92	+ 0	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
HASSAN	0830	960	1496.1	903.8	+0.4	25.7	19.4	15.7	17.9	55	-30	7.4	+0.6	3.5	0	0	14	00	0	0	1	0	8	5	0	16	0
	1730	960	1478.6	902.2	+0.8	24.4	20.8	18.9	21.9	72	- 5	6.1	-0.6	6.6	0	0	30	00	0	0	0	0	5	20	5	0	0
BANGALORE	0230	921	1487.9	907.9	..	21.2	19.7	18.9	21.9	87	..	4.2	..	11.6	0	1	29	00	0	0	0	0	11	19	0	0	0
	0830	921	1495.5	908.5	+1.4	22.1	20.2	19.3	22.4	84	+ 2	6.4	-0.5	10.1	0	0	30	00	0	0	0	0	12	18	1	0	0
	1130	921	1503.9	908.5	..	26.5	21.2	18.4	21.2	62	..	6.1	..	11.7	0	0	30	00	0	0	0	0	11	17	2	0	0
	1430	921	1491.7	906.8	..	28.8	21.6	17.9	20.6	52	..	6.4	..	11.8	0	0	30	00	0	0	0	0	8	19	3	0	0
	1730	921	1481.3	905.9	+1.4	27.9	21.3	17.8	20.4	55	- 7	6.2	-0.7	10.9	0	1	28	00	0	0	0	0	9	18	1	1	1
	2030	921	1492.4	907.7	..	24.5	20.4	18.3	21.1	69	..	4.6	..	10.6	0	1	29	00	0	0	0	0	9	19	2	0	0
BANGALORE AERODROME	0530	897	1467.5	908.5	..	20.4	19.6	19.2	22.3	93	..	5.9	..	16.0	0	6	24	00	0	0	0	0	25	5	0	0	0
	0830	897	1482.2	909.8	+0.4	22.7	20.7	19.6	22.8	83	+ 3	5.9	-0.7	20.3	0	19	11	00	0	0	0	0	19	11	0	0	0
	1130	897	1490.7	909.5	..	27.1	21.8	19.2	22.2	62	..	6.1	..	23.8	0	24	6	00	0	0	0	0	19	10	1	0	0
	1730	897	1467.0	906.9	+0.0	28.1	22.1	19.2	22.3	59	- 2	6.2	-0.6	20.0	0	16	14	00	0	0	0	0	21	7	2	0	0
	2330	897	1483.1	909.7	..	22.4	20.3	19.3	22.4	83	..	3.5	..	16.7	0	10	20	00	0	0	0	0	24	6	0	0	0
MYSORE	0830	767	1008.2	924.2	+0.4	22.8	20.5	19.3	22.5	81	+ 0	3.2	-2.7	8.4	0	0	30	03	0	4	4	10	5	4	0	0	0
	1730	767	1004.4	921.6	-0.2	26.5	21.2	18.5	21.4	62	- 4	4.2	-2.2	12.9	0	3	27	00	0	1	3	4	4	17	1	0	0
YALANKA A.F.	0530	932	1470.2	905.4	..	20.4	19.5	19.0	21.9	92	..	5.2	..	19.1	0	17	12	00	0	0	0	0	11	18	0	1	0
	0830	932	1486.3	906.6	..	23.0	20.4	19.1	22.1	79	..	6.0	..	25.2	0	27	3	00	0	0	0	0	3	24	3	0	0
	1130	932	1489.7	906.3	..	27.2	21.4	18.3	21.1	58	..	5.8	..	29.0	0	28	2	00	0	0	0	0	4	23	3	0	0
	1730	932	1468.9	903.9	..	27.5	21.4	18.1	20.8	57	..	6.1	..	26.6	0	25	5	00	0	0	0	0	3	23	4	0	0
	2330	932	1484.1	906.5	..	22.2	19.8	18.5	21.3	80	..	4.3	..	22.7	0	20	8	00	0	0	0	0	4	23	1	2	0
KERALA																											
CALICUT	0530	5	1008.0	1007.4	..	24.8	24.1	23.8	29.5	94	..	5.9	..	3.7	0	0	20	01	2	16	0	0	0	1	0	10	0
	0830	5	1009.4	1008.8	+0.4	26.0	24.8	24.3	30.4	91	+ 1	6.9	+0.0	3.1	0	0	24	00	0	3	0	0	13	8	0	6	0
	1130	5	1009.4	1008.8	..	28.2	25.8	24.7	31.2	82	..	5.9	..	5.1	0	0	26	00	0	0	0	0	8	12	6	4	0
	1430	5	1007.9	1007.3	..	28.9	26.0	24.8	31.4	79	..	6.5	..	7.6	0	0	29	01	0	0	0	0	8	14	6	1	0
	1730	5	1007.2	1006.6	+0.2	28.2	25.6	24.5	30.7	81	- 4	6.5	-0.4	4.7	0	1	20	00	0	0	0	0	0	13	8	9	0
	2330	5	1009.1	1008.8	..	25.7	24.6	24.1	30.1	91	..	5.8	..	4.8	0	0	27	05	7	10	0	0	1	4	0	3	0
PALGHAT	0830	97	1009.0	997.9	+0.2	25.4	24.2	23.6	29.1	90	+ 1	6.7	+0.3	9.3	0	0	30	00	0	0	0	0	1	28	1	0	0
	1730	97	1006.3	995.4	+0.0	27.8	24.9	23.6	29.2	79	- 3	6.6	-0.4	11.0	0	2	27	00	0	0	0	1	4	24	0	0	0
FORT COCHIN	0830	3	1009.0	1008.7	-0.5	26.8	25.2	24.4	35.2	87	- 1	7.6	+0.3	4.8	0	0	23	02	7	7	2	1	2	1	1	7	0
	1730	3	1006.9	1006.6	-0.4	27.3	25.3	24.5	36.3	85	+ 1	7.6	+0.4	10.4	0	0	29	02	0	0	0	0	6	13	8	1	0
COCHIN (NAVAL AIR STATION)	0230	3	1008.1	1007.8	..	25.0	24.4	24.1	30.0	94	..	6.4	..	4.1	0	0	16	00	3	7	2	1	0	1	2	14	0
	0530	3	1011.1	1007.7	..	23.9	26.0	24.4	30.6	99	..	6.7	..	16.0	1	0	12	01	2	4	3	1	1	1	0	17	0
	0830	3	1009.4	1009.1	..	26.1	24.9	24.4	30.5	91	..	6.6	..	5.6	0	1	19	01	2	9	3	1	0	0	4	10	0
	1130	3	1009.5	1009.2	..	28.5	25.9	24.8	31.3	81	..	6.4	..	8.1	0	0	25	02	0	2	1	1	3	9	7	5	0
	1730	3	1007.2	1006.9	..	27.7	25.3	24.2	30.3	83	..	6.8	..	10.5	0	0	28	00	0	3	0	1	3	15	6	2	0
	2330	3	1009.5	1009.2	..	25.6	24.7	24.3	30.4	92	..	6.5	..	4.3	0	0	17	02	4	3	1	1	0	0	6	13	0
ALLEPPEY	0830	4	1009.8	1009.4	+0.7	26.6	25.6	25.2	32.1	92	+ 2	6.6	-0.5	6.8	0	1	28	01	14	6	3	0	1	2	2	1	0
	1730	4	1008.0	1007.6	+0.9	28.2	26.0	25.2	32.0	84	- 1	6.5	-0.5	18.0	0	13	17	00	1	0	0	0	0	5	24	0	0
PONNANI	0830	34	1009.8	1006.0	+0.2	25.7	24.9	24.5	30.7	93	+ 0	7.5	+1.2	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730	34	1007.1	1003.3	-0.3	28.5	25.6	24.3	30.5	80	+ 5	7.6	+1.1	2.2	0	0	15	00	0	0	0	0	4	7	4	15	0
TRIVANDRUM	0230	64	1008.3	1001.0	..	24.9	24.4	24.1	30.0	95	..	6.3	..	3.9	0	0	13	01	0	0	0	0	0	8	4	17	0
	0530	64	1008.2	1000.9	..	24.6	24.2	24.0	29.6	96	..	6.3	..	5.3	0	0	25	10	1	0	0	0	0	1	13	5	0
	0830	64	1009.7	1002.4	+0.1	26.3	25.1	24.5	30.8	90	+ 0	6.2	-0.4	5.3	0	0	25	07	2	0	0	0	0	1	12	5	3
	1130	64	1009.4	1002.2	..	28.5	25.6	24.3	30.3	79	..	6.5	..	12.3	0	2	27	04	0	0	0	0	0	10	15	1	0
	1430	64	1007.6	1000.4	..	29.3	25.9	24.5	30.7	76	..	6.0	..	13.2	0	1	29	01	0	0	0	0	0	9	20	0	0
	1730	64	1007.3	1000.1	+0.0	27.9	25.4	24.3	30.4	81	- 1	6.6	+0.0	11.2	0	1	29	01	0	0	0	0	0	12	17	0	0
	2030	64	1009.3	1002.0	..	25.9	24.8	24.3	30.3	91	..	5.5	..	6.7	0	0	26	01	0	0	0	0	0	7	17	4	1
	2330	64	1009.8	1002.5	..	25.3	24.5	24.1	30.1	93	..	6.2	..	5.6	0	0	21	09	0	0	0	0	0	1	10	9	1
TRIVANDRUM AERODROME	0830	8	1010.0	1009.1	+0.3	27.0	25.1	24.3	30.4	85	- 1	6.2	-0.1	15.3	0	5	25	15	1	0	0	0	0	2	12	0	0
ARABIAN SEA ISLANDS																											
AMINI	0530	4	1006.8	1006.4	..	28.5	25.9	24.7	31.1	80	..	5.7	..	37.5	0	30	0	00	0	0	0	0	2	25	3	0	0
	0830	4	1008.4	1008.0	+0.2	28.7	26.0	24.9	31.5	80	- 2	5.9	-0.6	36.8	0	28	2	01	0	0	0	0	3	25	1	0	0
	1130	4	1008.7	1008.3	..	29.7	26.5	25.1	32.0	77	..	5.9	..	34.5	0	30	0	00	0	0	0	0	3	25	2	0	0
	1730	4	1006.3	1005.9	..	29.5	26.6	25.4	32.4	79	..	6.2	..	36.1	0	29	1	00	0	0	0	0	2	25	3	0	0
	2330	4	1008.4	1008.0	..	28.9	26.4	25.3	32.2	81	..	4.6	..	37.4	0	30	0	00	0	0	0	0	2	26	2	0	0
AGATTI	0830	4	1008.9	1008.4	..	28.5	26.2	25.2	32.0	83	..	7.2	..	22.9	0	22	8	00	0	0	0	0	5	21	4	0	0
	1730	4	1006.7	1006.2	..	29.2	26.6	25.5	32.6	80	..	6.6	..	26.3	0	29	1	00	0	0	0	0	3	20	7	0	0
ANDROTH	0830	5	1007.6	1007.1	..	28.5	26.3	25.4	32.4	84	..	6.5	..	3.8	0	0	26	00	0	0	0	2	7	12	2	4	3

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JUNE 1969 (VAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ARABIAN SEA ISLANDS (CONTD.)																											
ANDROTH	1730	5	1006.6	1006.1	..	30.0	27.3	26.3	34.3	82	..	6.6	..	3.8	0	0	29	01	1	0	0	0	2	7	7	1	11
MINICOY	0530	2	1008.5	1008.3	..	27.8	25.0	23.7	29.4	79	..	5.9	..	18.3	0	13	17	01	0	0	0	0	0	24	5	0	0
	0830	2	1009.9	1009.7	+0.4	28.8	25.7	24.4	30.5	77	- 3	6.4	-0.4	14.9	0	8	22	00	0	0	0	0	0	15	15	0	0
	1130	2	1010.1	1009.9	..	30.0	26.2	24.6	31.0	73	..	6.2	..	17.1	0	11	19	01	0	0	0	0	0	12	17	0	0
	1430	2	1008.5	1008.3	..	30.0	26.2	24.6	31.0	73	..	6.5	..	18.7	0	12	18	00	0	0	0	0	0	16	14	0	0
	1730	2	1007.7	1007.5	+0.2	29.4	25.8	24.3	30.4	74	- 6	6.2	-0.9	16.3	0	7	23	00	0	1	0	0	0	13	16	0	0
	2030	2	1009.4	1009.1	..	28.5	25.5	24.2	30.0	77	..	5.6	..	19.5	0	14	16	00	0	0	0	0	0	14	16	0	0
	2330	2	1010.0	1009.8	..	28.5	25.4	24.0	29.9	77	..	5.9	..	21.2	0	16	14	00	0	0	0	0	0	20	10	0	0
HILL STATIONS (EXCLUDING KASHMIR)																											
DALHOUSIE	0830	1959	1389.3	796.6	+1.1	22.1	14.0	7.9	10.9	41	-22	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
	1730	1959	1367.0	794.9	+0.2	23.7	15.1	8.4	11.4	38	-20	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
DHARMASALA	0830	1211	1482.2	875.8	-0.8	28.2	19.2	13.2	15.3	39	-10	2.1	+0.1	1.0	0	0	13	00	10	0	1	0	0	1	1	17	0
	1730	1211	1451.3	873.7	-1.4	29.7	19.7	13.3	15.8	40	- 1	4.6	+1.6	3.1	0	0	27	01	4	1	0	2	15	2	2	3	0
BHUNTAR	0830	1096	1448.3	885.4	..	22.0	16.5	12.6	14.7	56	..	2.3	..	3.7	0	0	24	09	5	6	1	2	1	0	0	6	0
	1130	1096	1437.7	883.4	..	30.1	19.0	11.7	14.0	33	..	3.3	..	8.6	0	1	29	02	2	4	10	11	1	0	0	0	0
	1730	1096	1415.6	881.2	..	30.4	18.8	10.9	13.4	31	..	4.7	..	16.9	0	10	19	09	2	1	3	9	1	2	2	1	0
SIMLA	0830	2202	1431.5	778.5	+0.5	21.5	14.4	9.2	12.0	48	- 5	2.0	-1.1	1.4	0	0	19	01	2	0	8	1	4	0	3	11	0
	1730	2202	1405.9	776.8	+0.0	23.8	17.7	14.3	16.3	56	+ 3	3.4	-0.7	1.8	0	0	27	02	0	0	16	1	3	1	4	3	0
GHANGARIA (KANJALIA TOK)	0830		..	..	..	11.1	9.3	7.7	10.6	80	- 6	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
BADRINATH	0830		(R)																								
JOSHIMATH	0830		..	..	..	20.7	17.1	15.1	17.2	71	+ 3	1.9	-2.0	1.5	0	0	12	00	0	6	2	1	3	0	0	18	0
	1730		..	..	..	24.5	21.5	19.9	23.4	77	+22	4.9	-1.1	2.9	0	0	26	06	4	5	0	6	1	2	2	4	0
MUSSOORIE	0830	2042	1429.4	792.3	-1.3	20.5	17.3	15.5	17.7	74	+ 6	2.2	-1.4	0.4	0	0	6	01	1	0	1	2	1	0	0	24	0
	1730	2042	1407.2	790.6	-1.5	23.0	17.9	14.8	17.2	62	- 4	3.7	-0.6	1.3	0	0	13	01	2	0	4	5	1	0	0	17	0
MUKTESWAR (KUMAON)	0830	2311	3113.1	769.6	+1.1	18.0	13.6	10.0	12.8	63	- 4	2.7	-0.9	9.9	0	2	26	00	0	1	0	0	1	17	9	2	0
	1730	2311	3098.2	767.5	+0.7	21.1	15.5	11.7	14.0	58	- 5	3.0	-0.9	15.3	0	5	25	00	1	1	0	0	2	21	5	0	[illegible]
NAINITAL	0830	1953	1427.3	800.3	+0.1	20.6	15.8	13.0	15.3	64	+ 1	3.1	-1.0	3.2	0	0	29	06	0	14	0	0	0	9	0	1	0
	1730	1953	1402.6	797.9	-0.7	22.[illegible]	17.0	13.8	16.0	61	- 2	2.8	-0.9	6.3	0	0	30	05	0	4	3	0	0	18	0	0	0
KALIMPONG	0830	1209	1539.8	883.1	+9.1	25.5	20.0	17.1	19.5	60	-28	5.8	+0.5	4.8	0	0	30	00	1	0	7	0	1	0	21	0	0
	1730	1209	1519.9	880.8	+9.2	26.0	20.5	17.6	20.1	60	-29	6.3	+1.3	5.2	0	0	30	00	1	0	29	0	0	0	0	0	0
DARJEELING	0830	2128	1458.0	786.9	-0.6	18.4	17.2	16.5	18.8	89	+ 0	7.1	+0.0	0.2	0	0	1	00	0	0	0	0	0	1	0	29	0
	1730	2128	1441.1	785.3	-0.1	18.0	17.2	16.8	19.2	93	+ 0	7.0	-0.1	0.3	0	0	3	00	0	0	0	0	3	0	0	27	0
KOHIMA	0830		(R)																								
	1730		(R)																								
SHILLONG (C.S.O.)	0830	1500	1447.5	835.5	+1.7	20.4	18.7	17.9	20.5	86	+ 7	7.0	-0.1	5.5	0	0	29	01	0	4	5	4	9	4	2	1	0
	1730	1500	1422.3	833.0	+1.5	20.5	19.0	18.3	21.0	87	+ 7	6.6	-0.4	3.9	0	0	25	01	0	4	3	2	9	5	1	5	0
CHERRAPUNJI	0830	1313	1449.1	863.6	+0.0	19.5	19.1	18.9	23.2	94	+ 0	.	..	32.5	5	13	12	00	7	0	8	0	13	0	2	0	0
	1730	1313	1428.2	861.5	+0.2	20.7	20.1	19.9	23.2	95	+ 2	5.6	-0.5	14.3	0	9	21	00	8	0	5	0	16	0	1	0	0
ABU	0830	1195	1473.0	877.5	+2.4	23.3	17.3	12.0	15.1	55	-18	3.5	-0.7	1.7	0	0	11	00	0	0	0	1	7	3	0	17	0
	1730	1195	1451.8	875.5	+2.1	28.4	18.2	11.1	13.4	35	-19	1.5	-1.9	1.9	0	0	9	00	0	0	0	1	6	2	0	18	0
AIJAL	0830		..	..	..	23.3	22.3	21.9	26.3	92	+ 3	5.6	-0.3	3.6	0	0	18	00	0	1	4	1	12	0	0	12	0
	1730		..	..	..	22.6	22.0	21.7	26.1	95	+ 3	5.3	-1.0	3.9	0	0	25	00	1	1	5	1	15	1	1	5	0
PACHMARHI	0830	1075	1459.9	888.2	+0.4	25.8	21.0	18.4	21.3	65	- 3	4.4	-1.3	7.2	0	0	30	01	0	0	0	0	1	10	18	0	0
	1730	1075	1435.5	885.0	-0.1	32.0	21.4	15.4	17.7	39	-16	5.1	-1.0	3.9	0	0	29	00	0	0	0	0	5	9	15	1	0
MAHABALESHWAR	0830	1382	1471.1	859.1	+0.0	18.9	18.8	18.7	22.4	99	+ 4	7.6	+0.3	11.6	0	0	30	00	0	0	0	0	25	2	3	0	0
	1730	1382	1458.7	857.9	+0.6	19.6	19.4	19.4	21.6	99	+ 5	7.9	+0.5	10.8	0	0	30	00	0	0	0	0	27	0	3	0	0
MERCARA	0830	1152	1492.7	884.5	+0.8	19.6	19.2	18.9	21.9	96	+ 1	6.1	-0.3	14.0	0	5	25	00	0	0	0	0	2	25	3	0	0
	1730	1152	1473.7	882.5	+0.2	20.2	19.5	19.1	22.1	93	- 1	7.2	+0.8	15.3	1	6	23	00	0	0	0	0	2	26	1	0	1
OOTACAMUND	0830	2249	1493.1	778.5	+0.7	14.6	13.2	12.2	14.2	86	- 2	5.1	-0.7	5.4	0	0	28	01	0	0	0	0	15	10	2	2	0
	1730	2249	1470.5	776.8	+0.3	16.3	15.0	14.1	16.4	88	+ 3	6.2	-0.5	5.3	0	0	26	00	0	0	0	0	8	18	0	4	0
COONOOR	0830		..	..	..	21.0	17.1	15.2	17.4	70	+ 2	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KODAIKANAL	0830	2343	3145.6	770.2	+0.5	16.1	13.2	11.1	13.3	73	- 3	5.8	+0.1	7.3	0	1	27	01	0	0	3	1	2	9	12	2	0
	1130	2343	3154.0	770.4	..	18.7	15.3	13.3	15.3	72	..	6.9	..	7.5	0	0	30	05	1	0	2	1	0	3	18	0	0
	1730	2343	3130.1	768.8	+0.4	16.3	14.3	12.9	15.0	82	- 5	6.8	-0.3	6.7	0	0	26	02	0	0	0	1	0	7	16	4	0
MANALI	0830	6690	..	..	..	15.0	12.1	10.0	12.5	72	..	1.1	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
	1730	6690	..	..	..	23.4	16.0	11.2	13.5	48	..	4.1	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
NEPAL																											
KATMANDU	0830	1324	1438.9	861.5	-1.1	23.0	20.3	18.9	21.8	78	+ 2	5.0	-0.4	0.1	0	0	2	01	0	0	0	1	0	0	0	27	0
	1130	1324	1430.3	860.5	..	28.8	21.5	18.8	21.7	63	..	5.2	..	1.7	0	0	16	02	0	2	1	6	1	2	2	10	0
	1730	1324	1409.2	858.4	-1.5	25.5	21.7	19.9	23.2	72	+ 2	5.7	+0.2	3.3	0	0	19	10	0	0	1	0	1	1	6	11	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JUNE 1969 (VAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lst. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SIKKIM																											
LACHEN	0830		(R)																								
HYDROMETEOROLOGICAL OBSERVATORIES																											
DAMODAR CATCHMENT																											
TILAIYA	0830		..	..	..	30.4	25.6	23.4	28.9	67	..	2.8	..	8.0	0	0	27	02	0	7	2	0	1	11	4	3	0
	1730		..	..	..	32.5	26.0	23.1	28.5	60	..	5.3	..	6.7	0	0	28	02	1	11	1	1	0	8	4	2	0
HAZARIBAGH	0830	615	998.9	932.6	..	28.9	25.0	23.4	28.8	73	..	3.3	..	7.3	0	0	29	02	0	5	1	2	11	4	4	1	0
	1730	615	995.4	929.7	..	29.9	25.1	23.0	28.4	69	..	5.1	..	5.8	0	0	20	00	1	4	0	1	10	1	3	10	0
KONAR	0830		(R)																								
	1730		(R)																								
BOKARO	0830	242	998.3	971.9	..	31.4	27.6	26.0	33.8	74	..	3.7	..	..	.	..	..	00	0	0	0	0	0	0	0	30	0
	1730	242	995.3	969.0	..	32.4	27.6	25.7	33.1	69	..	4.5	..	..	.	..	..	00	0	0	0	0	0	0	0	30	0
MAITHON	0830		..	..	..	32.0	27.2	25.2	32.1	68	..	5.1	..	..	.	..	..	00	3	0	14	2	8	3	0	0	0
	1730		..	..	..	32.6	27.0	24.7	31.3	64	..	4.7	..	..	.	..	..	00	7	0	17	0	6	0	0	0	0
RAMGARH	0830		..	..	..	30.4	26.3	24.5	30.9	72	..	3.2	..	..	.	..	..	00	0	0	0	0	0	0	0	30	0
	1730		..	..	..	30.5	25.8	23.8	29.5	69	..	4.9	..	..	.	..	..	00	0	0	0	0	0	0	0	30	0
PANCHET HILLS	0830		..	..	..	30.3	26.6	25.1	31.9	74	..	3.4	..	2.1	0	0	26	00	3	0	12	0	8	0	3	4	0
	1730		..	..	..	32.2	26.9	24.6	31.1	67	..	4.9	..	1.5	0	0	17	00	3	0	9	0	4	1	0	13	0
DURGAPUR	0830		..	..	..	30.2	26.9	25.5	32.3	76	..	.	..	13.5	0	4	26	02	0	0	11	14	3	0	0	0	0
	1730		..	..	..	32.2	27.1	25.0	31.6	67	..	.	..	14.7	0	7	23	02	1	2	11	11	2	0	1	0	0
MAHANADI CATCHMENT																											
GINABAHAR	0830		..	..	..	29.9	25.0	23.0	28.2	68	..	2.8	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HIRAKUD	0830	159	1000.8	983.2	..	30.6	25.8	23.7	29.4	68	..	5.0	..	1.9	0	0	14	00	0	0	0	3	8	1	0	16	2
	1130	159	999.8	982.4	..	34.4	26.4	22.9	28.0	52	..	4.7	..	1.9	0	0	17	00	0	0	0	1	6	9	1	13	0
	1730	159	996.1	978.9	..	34.9	26.7	23.0	28.3	52	..	6.3	..	3.9	0	3	12	01	0	0	1	0	7	1	2	15	3
BHIMKUND	0830		(R)																								
	1730		(R)																								
SONEPUR	0830		..	..	..	30.4	26.9	25.6	33.0	76	..	5.5	..	9.1	0	2	24	00	0	1	1	5	2	16	1	4	0
KHIJRAWAN	0830		(R)																								
	1730		(R)																								
NARMADA CATCHMENT																											
BAGRA TAWA	0830		..	..	..	31.3	24.4	21.0	25.0	56	..	3.3	..	16.4	0	4	26	00	0	1	1	2	11	14	1	0	0
	1730		..	..	..	37.6	24.3	16.9	19.5	31	..	4.0	..	15.1	0	5	25	03	0	1	2	2	6	8	8	0	0
PONASA	0830	1382	..	..	..	30.0	25.2	23.0	28.2	67	..	.	..	10.3	0	5	25	02	0	1	0	1	1	23	2	0	0
	1730	1382	..	..	..	36.0	25.5	20.1	24.0	43	..	.	..	9.5	0	4	26	02	0	1	0	0	2	22	3	0	0
THIKRI	0830		..	..	..	31.3	26.0	23.5	29.1	65	..	3.9	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SABARMATI CATCHMENT																											
DAROI	0830		..	..	..	29.3	25.1	23.2	28.4	70	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	36.8	25.5	20.0	23.3	41	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
JHAROL	0830		(R)																								
GANDAK CATCHMENT																											
JAMOSOM	0830		..	..	..	17.4	13.8	11.7	13.8	70	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	19.1	14.1	11.2	13.3	60	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KHUDI BAZAR	0830		..	..	..	24.9	21.8	20.2	23.7	76	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	26.7	23.0	21.2	25.2	73	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TIMURE	0830		..	..	..	21.6	17.7	15.5	17.7	69	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	23.3	18.2	15.5	17.7	62	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
POKHARA	0830	3	..	..	..	25.3	22.5	21.2	25.3	78	..	4.6	..	4.0	0	0	21	04	0	0	11	5	0	1	0	5	0
	1730	3	..	..	..	26.9	23.1	21.4	25.0	73	..	5.1	..	4.2	0	0	14	02	2	2	1	4	1	0	2	5	0
GORKHA	0830		..	..	..	23.6	21.6	20.5	24.3	83	..	5.0	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1130		..	..	..	25.9	22.5	20.9	24.8	75	..	5.0	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730		..	..	..	26.3	22.4	20.5	24.2	71	..	5.0	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
NUWAKOT	0830		..	..	..	24.6	22.1	20.9	24.7	80	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	27.2	22.4	20.2	23.7	66	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT (TRANS HIMALAYAN REGION)																											
DAILEKH	0830		..	..	..	22.4	19.8	18.5	21.3	79	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	25.0	21.5	19.7	23.1	74	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT																											
SALLYANA	0830		..	..	..	22.9	19.7	17.8	20.6	75	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	27.6	20.4	17.7	20.5	64	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BUTWAL	0830		..	..	..	30.2	25.7	23.7	29.4	70	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JUNE 1969 (JYAISTHA 11 - ASADHA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
															Wind Speed (Km. p. h.)			Wind direction									
			At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GHAGHARA CATCHMENT (CONTD.)																											
BUTWAL	1730		..	..	..	32.2	26.7	24.1	30.3	63	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BAGMATI CATCHMENT																											
KATMANDU	0830		SEE UNDER NEPAL																								
	1130																										
	1730																										
KOSI CATCHMENT																											
CHAUTARA	0830		(R)																								
	1730		(R)																								
WALUNGCHUNG GOLA	0830		..	..	..	13.0	11.4	10.4	12.7	85	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	12.1	11.4	10.9	13.0	92	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLETHOK	0830		..	..	..	22.5	20.3	19.2	22.3	82	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	22.5	20.1	18.8	21.8	80	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BHOJPUR	0830		(R)																								
	1730		(R)																								
TAPLEJUNG	0830		..	..	..	20.2	18.7	18.0	20.6	87	..	6.6	..	1.7	0	0	18	05	2	1	0	1	0	1	7	12	1
	1130		..	..	..	22.9	19.9	18.5	21.3	77	..	6.8	..	4.3	0	0	24	05	0	1	2	2	1	9	3	6	1
	1730		..	..	..	21.2	18.9	17.9	20.5	82	..	6.7	..	4.7	0	0	21	02	3	0	4	9	0	3	0	9	0
DHALDHUNGA	0830		..	..	..	20.2	18.7	18.0	20.6	88	..	6.2	..	0.2	0	0	2	00	0	0	0	0	0	1	1	28	0
	1130		..	..	..	22.3	19.8	18.6	21.4	80	..	6.4	..	0.3	0	0	4	00	0	0	0	0	1	3	0	26	0
	1730		..	..	..	20.5	19.0	18.2	21.0	87	..	6.6	..	3.2	0	0	12	00	0	0	0	0	3	7	2	18	0
CHAINPUR	0830		..	..	..	23.3	21.5	20.6	24.3	85	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	23.6	21.2	20.0	23.6	81	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BAKAHAKSHETRA	0830	146	1000.9	984.7	..	27.9	25.7	24.8	31.3	84	..	5.5	..	1.6	0	0	13	01	0	0	0	0	3	9	0	17	0
	1130	146	1000.4	984.3	..	29.5	26.3	24.9	31.5	77	..	6.0	..	2.9	0	0	22	00	0	1	0	0	7	14	0	8	0
	1730	146	997.6	981.4	..	29.1	26.4	25.3	32.3	81	..	6.0	..	1.2	0	0	9	00	0	0	2	1	0	6	0	21	0
TISTA CATCHMENT																											
GANGTOK	0830	1812	1442.8	814.6	..	19.0	18.2	17.8	20.3	93	..	7.3	..	2.7	0	0	21	03	6	1	0	2	7	0	2	9	0
	1130	1812	1435.8	814.3	..	21.4	19.7	18.8	21.7	85	..	7.0	..	3.9	0	0	27	00	2	0	1	12	11	1	0	3	0
	1730	1812	1418.5	812.4	..	20.4	19.0	18.3	21.1	88	..	7.3	..	2.7	0	0	19	01	1	1	3	12	0	0	1	11	0
GEZING	0830		..	..	..	20.4	19.6	19.2	22.2	93	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	22.0	20.2	19.4	22.5	86	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

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मौसम विज्ञान विभाग

METEOROLOGICAL DEPARTMENT

भारतीय मौसम पुनरीक्षण

INDIA WEATHER REVIEW

1969

मासिक मौसम रिपोर्ट

MONTHLY WEATHER REPORT

जूलाई

JULY

भारत सरकार के प्राधिकार द्वारा वेधशालाओं के महानिदेशक के निदेशाधीन प्रकाशित
Published by the Authority of the Government of India Under the Direction of the Director General of Observatories

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INDIA WEATHER REVIEW, 1969

Monthly Weather Report

JULY

The western end of the monsoon trough was passing through Punjab, Haryana and west Uttar Pradesh from 14th to 17th. An upper air trough in the middle and upper troposphere moved across extreme north-west India during the same period. Associated with these, the monsoon was active in west Uttar Pradesh and Haryana on 16th. There was also heavy rain in Punjab, Himachal Pradesh and Jammu and Kashmir between 14th and 16th. The noteworthy amounts of heavy rainfall were : On 14th 9 cm at Jammu, 8 cm at Tehri and 7 cm at Nainital and Narnaul; On 15th 11 cm at Patiala and 8 cm at Mandi and Manali; On 16th 14 cm at Hardoi, 13 cm at Nainital and 8 cm at Patiala and Dharmsala.

There was heavy rain in Assam between 8th and 11th and in Bihar Plains, Sub-Himalayan West Bengal and Assam between 14th and 17th. According to press reports, these two spells of heavy rains caused floods in many districts of north Assam including NEFA resulting in very heavy damage to vast acres of standing crops and thousands of houses. The rivers in north Bihar and north Bengal also rose in spate affecting Champaran, Purnea and Jalpaiguri districts. The noteworthy amounts of very heavy rainfall were : On 7th 12 cm at Tura; On 8th 13 cm at Mohanbari, 9 cm at Jalpaiguri; On 14th, 14 cm at Cooch Behar, 9 cms at Sabour; On 15th 12 cm at Mohanbari; On 16th 17 cm at Pasighat and 13 cm at Cooch Behar and On 17th 15 cm at Cooch Behar and 13 cm at Pasighat.

A low pressure area was lying over central Uttar Pradesh and adjoining north Madhya Pradesh from 17th to 20th. Then it moved westsouthwestwards across south Rajasthan and Gujarat State and lay over the southern parts of West Pakistan and adjoining north Arabian Sea on 23rd. A cyclonic circulation in the lower troposphere lay over Bihar State from 16th evening to 18th evening and weakened on 19th. Two other low pressure areas which formed over Head Bay of Bengal and adjoining land areas moved in quick succession westwards, weakened and merged with the monsoon trough over Bihar Plateau and adjoining Madhya Pradesh, the first during the period 18th to 20th and the second during the period 20th to 22nd. Cyclonic circulations extending to about 2 kms a.s.l. were lying over east Madhya Pradesh on 23rd, northeast Rajasthan and neighbourhood on 24th and east Uttar Pradesh and adjoining east Madhya Pradesh on 25th and 26th. Under the influence of these systems, the monsoon trough running from Rajasthan to Gangetic West Bengal was well-marked at the surface and in the lower tropospheric levels during the period 17th to 25th and caused active monsoon conditions in Gangetic West Bengal from 18th to 20th, in Bihar Plateau from 18th to 21st, in Bihar Plains on 18th and 19th, in Orissa on 20th and 21st, in Madhya Pradesh on 17th, 20th and 24th, in east Uttar Pradesh from 17th to 19th and again on 24th, in east Rajasthan on 17th, 18th, 20th and 21st and again on 25th and 26th, in west Uttar Pradesh and Punjab on 26th and active to vigorous monsoon conditions in Gujarat State on 21st, 22nd and 23rd. The noteworthy amounts of very heavy rainfall were : On 17th 17 cm at Azamgarh, 16 cm at Gorakhpur, 13 cm at Patna;On 18th 16 cm at Dehri, 15 cm at Kotah, 14 cm at Chapra, 13 cm at Jamui, 11 cm at Muzaffarpur; On 19th 11 cm at Sambalpur; On 20th 12 cm at Sagar, 11 cm at Guna; 10 cm at Tikamgarh, Nowgong, Jhalawar and Sagar Island; On 21st 12 cm at Surat, 10 cm at Kotah Airport; On 22nd 19 cm at Dwarka, 16 cm at Okha; On 23rd 13 cm at Chandrapur; On 24th 10 cm at Kanker; On 25th 12 cm at Alwar, 11 cm at Amritsar and Gondia; and on 26th 16 cm at Ferozepore, 13 cm at Bilaspur and 12 cm at Jaipur. According to press reports, there were floods in Ganganagar, Sawai Madhopur and Nagaur districts in Rajasthan.

The monsoon was also active in Madhya Maharashtra on 21st and 22nd, in South Interior Mysore on 22nd and 23rd, in Kerala on 23rd and in coastal Mysore on 24th. It was vigorous in Kerala on 24th. Active monsoon conditions also prevailed in Madhya Maharashtra on 31st and vigorous monsoon conditions in Marathwada on the same day. The noteworthy amounts of very heavy rainfall were : On 21st 18 cm at Mahabaleshwar; On 22nd 22 cm at Mahabaleshwar, 13 cm at Alleppey, 11 cm at Mercara; on 23rd, 16 cm at Mercara 9 cm at Palghat; On 24th 25 cm at Mercara, 17 cm at Fort Cochin, 15 cm at Alleppey, 14 cm at Mahabaleshwar, 10 cm at Punalur and Bhira; On 30th 15 cm at Bhira, On 31st 31 cms at Mahabaleshwar, 16 cm at Bhira and 9 cm at Satara. According to press reports, the heavy rains and strong winds in Kerala caused many house collapses and floods in the local rivers. Malappuram and Kottyam were the worst affected districts. The heavy rains in Mysore State caused floods in the Netravathi and other rivers, many land-slides in the ghats and dislocated road traffic in many parts of the State, the worst affected being south Kanara district.

The monsoon trough over the central parts of the country and northwest India shifted northwards on 26th morning and remained so till the end of the month extending from Punjab to Bihar Plains and thence into northwest Bay. A low pressure area formed over northwest Bay on 26th morning concentrated into a depression on 28th morning with centre about 400 kms southsoutheast of Calcutta, moved northwest, became deep on 29th, crossed north Orissa coast near Balasore on 30th and lay on the morning of 31st about 50 kms

northeast of Jharsuguda. It caused active monsoon conditions in east Madhya Pradesh on 28th,29th and 31st, in Orissa from 29th to 31st and in west Madhya Pradesh on 30th. The noteworthy amounts of very heavy rainfall were : On 28th 13 cm at Kanker; On 29th 19 cm at Puri, 13 cm at Koraput and Tikamgarh and 10 cm at Jagdalpur; On 30th 28 cm at Bhubaneshwar,17 cm at Puri, 10 cm at Cuttack and 9 cm at Sagar; On 31st 14 cm at Jharsuguda, 13 cm at Pachmarhi, 11 cm at Narsinghpur and 9 cm at Jabalpur and Brahmapuri. According to press reports, the heavy rains caused floods in many districts of Orissa. River Indravathi rose in spate and flooded many parts of Jagdalpur.

During this month, there was fairly widespread moderate to heavy rain in the Bay Islands on 1st and 2nd, from 11th to 13th and 24th to 26th. The significant amounts of heavy rainfall were : On 11th 10 cm at Maya Bandar and 8 cm at Long Island; On 24th 7 cm at Maya Bandar; On 25th 8 cm at Port Blair and On 26th 11 cm at Maya Bandar.

The rainfall was in moderate excess in East Uttar Pradesh, Madhya Maharashtra, Marathwada and Telangana; in slight excess in Bay Islands, Orissa, Madhya Pradesh and Kerala. It was in slight defect in Gangetic West Bengal, west Uttar Pradesh, Jammu and Kashmir and Gujarat; in moderate defect in west Rajasthan and Tamil Nadu; in large defest in Arabian Sea Islands and normal over the rest of the country.

The mean Maximum temperature was above normal in Rajasthan,Gujarat and Saurashtra Kutch and normal over the rest of the country.

The mean Minimum temperature was normal all over the country.

The mean Relative Humidity in the morning was below normal in Himachal Pradesh and normal over the rest of the country.

The mean Relative Humidity in the evening was above normal in Jammu and Kashmir; below normal in Himachal Pradesh, west Rajasthan and Gujarat and normal over the rest of the country.

The mean cloud amount in the morning was below normal in Jammu and Kashmir and west Rajasthan and normal over the rest of the country.

The mean cloud amount in the evening was below normal in Punjab, Himachal Pradesh, Jammu and Kashmir and West Rajasthan and normal over the rest of the country.

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

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

Poona-5.

4th October 1969.

Y.P. RAO,

for Director General of Observatories.

SG/

TABLE I - DIVISIONAL AND SUB-DIVISIONAL MEANS - JULY ,1969(10 ASADHA - 9 SRAVANA 1891 SAKA)

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1.ASSAM(INCLUDING.	392.7	93	31.8	24.5	86	80	6.5	5.7
NEFA,N.L.ETC) .	- 31.1		+0.2	-0.1	0	- 1	-0.3	-0.3
2.WEST BENGAL .	369.7	90	32.2	25.7	85	82	6.5	6.5
.	- 43.0		+0.6	0.0	0	0	-0.2	+0.1
3.ORISSA .	427.4	117	31.0	24.9	87	84	6.9	6.7
.	+ 61.3		+0.4	-0.4	+ 3	+ 2	+0.2	-0.3
4.BIHAR .	317.8	97	32.5	25.2	85	81	6.7	6.4
.	- 9.8		+0.4	-0.4	+ 1	+ 3	0.0	-0.1
5.UTTAR PRADESH .	362.5	112	33.1	25.3	84	76	6.0	6.0
.	+ 37.4		0.0	-0.5	+ 2	+ 3	+0.2	+0.5
6.HARYANA(INCLU.	196.4	97	34.9	26.3	78	65	3.9	3.9
DELHI CHANDIGARH).	- 5.9		-0.4	+0.2	+ 2	+ 4	-0.5	-0.1
7.PUNJAB .	218.0	104	36.1	26.3	74	57	4.0	2.8
.	+ 8.2		+0.1	-0.1	0	- 2	0.0	-0.9
8.HIMACHAL .	493.3	100	32.5	22.5	79	62	5.7	3.8
PRADESH .	- 0.4		+0.6	-0.5	- 7	- 9	-0.4	-1.9
9.JAMMU AND .	96.8	82	28.7	13.1	69	55	3.2	2.4
KASHMIR .	- 21.1		+0.6	+0.1	+ 2	+13	-1.0	-1.3
SUB-DIVISION								
SUB-DIVISION								
1.BAY ISLANDS .	454.2	118	29.9	24.1	85	86	6.5	6.5
.	+ 69.4		+0.5	-0.4	+ 1	0	0.0	0.0
2.NORTH ASSAM .	394.2	93	32.5	24.8	86	80	6.3	5.4
(INCLUDING NEFA) .	- 28.2		+0.4	-0.2	0	0	-0.5	-0.4
3.SOUTH ASSAM .	389.1	91	30.4	23.6	86	81	6.8	6.3
(INCL.N.LAND ETC).	- 38.3		-0.1	-0.1	+ 1	- 1	0.0	-0.2
4.SUB-HIMALAYAN .	661.2	99	31.8	24.9	87	80	6.5	5.9
WEST BENGAL .	- 4.5		+0.6	-0.4	+ 1	- 1	-0.4	-0.2
5.GANGETIC WEST- .	272.5	83	32.4	25.9	84	83	6.5	6.7
BENGAL .	- 55.9		+0.6	0.0	0	+ 1	-0.1	+0.1
6.ORISSA .	427.4	117	31.0	24.9	87	84	6.9	6.7
.	+ 61.3		+0.4	-0.4	+ 3	+ 2	+0.2	-0.3
7.BIHAR PLATEAU .	323.1	95	32.2	25.1	84	82	6.7	6.8
.	- 17.0		+0.8	+0.1	+ 1	+ 3	0.0	-0.1
8.BIHAR PLAINS .	314.3	98	32.7	25.3	86	80	6.7	6.1
.	- 5.0		+0.1	-0.7	+ 2	+ 2	+0.1	0.0
9.UTTAR PRADESH .	415.5	128	33.1	26.0	86	79	6.5	6.1
(EAST) .	+ 91.2		-0.2	-0.3	+ 3	+ 5	+0.5	+0.5
10.UTTAR PRADESH .	283.0	87	33.0	24.2	82	72	5.2	5.8
(WEST) .	- 43.2		+0.2	-0.7	+ 1	+ 1	-0.3	+0.4
11.HARYANA(INCLU.	196.4	97	34.9	26.3	78	65	3.9	3.9
DELHI CHANDIGARH).	- 5.9		-0.4	+0.2	+ 2	+ 4	-0.5	-0.1
12.PUNJAB .	218.0	104	36.1	26.3	74	57	4.0	2.8
.	+ 8.2		+0.1	-0.1	0	- 2	0.0	-0.9
13.HIMACHAL .	493.3	100	32.5	22.5	79	62	5.7	3.8
PRADESH .	- 0.4		+0.6	-0.5	- 7	- 9	-0.4	-1.9
14.JAMMU AND KASH-.	96.8	82	28.7	13.1	69	55	3.2	2.4
-MIR .	- 21.1		+0.6	+0.1	+ 2	+13	-1.0	-1.3
15.RAJASTHAN(WEST).	52.1	51	39.0	27.5	73	45	3.2	3.3
.	- 50.7		+2.3	+0.5	- 1	- 8	-1.1	-1.1
16.RAJASTHAN(EAST).	248.5	110	35.5	25.8	74	59	4.9	5.7
.	+ 21.8		+1.6	-0.1	- 3	- 5	-0.6	-0.1
17.MADHYA PRADESH .	400.1	112	31.7	23.5	86	74	7.0	6.9
(WEST) .	+ 43.2		+1.0	-0.3	+ 1	0	+0.2	0.0

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	.9
10.RAJASTHAN	160.1	94	37.1	26.5	73	53	4.0	4.5
.	- 10.8		+2.0	+0.1	- 2	- 6	-0.9	-0.6
11.MADHYA PRADESH .	441.8	117	31.2	23.7	87	77	7.0	6.9
.	+ 63.4		+0.6	-0.2	+ 2	+ 2	+0.2	0.0
12.GUJARAT STATE .	256.9	88	33.5	26.3	84	69	5.9	5.6
(INCLU.DIU ETC).	- 36.4		+1.5	+0.6	- 1	- 5	-0.7	-0.8
13.MAHARASHTRA .	458.4	109	30.0	23.4	86	77	6.7	6.7
STATE(INCL.GOA).	+ 39.6		+0.2	0.0	+ 1	+ 2	-0.1	-0.3
14.ANDHRA PRADESH .	198.2	114	32.2	24.4	79	67	6.7	6.9
.	+ 24.8		+0.1	-0.3	+ 1	+ 1	0.0	+0.1
15.TAMILNADU .	39.1	66	34.8	25.2	68	58	6.2	6.8
(INCL.PONDICH.).	- 19.9		+1.0	0.0	0	- 1	+0.3	+0.6
16.MYSORE .	400.4	101	28.1	21.3	88	76	7.2	7.3
.	+ 4.5		+0.2	+0.1	+ 2	+ 1	+0.2	+0.2
17.KERALA .	566.1	115	28.8	22.9	92	85	7.2	7.3
.	+ 73.2		+0.1	-0.3	+ 2	+ 1	+0.4	+0.3
SUB-DIVISION								
SUB-DIVISION(CONTD)								
18.MADHYA PRADESH .	497.5	122	30.6	23.9	88	82	7.0	7.0
(EAST) .	+ 90.5		+0.2	0.0	+ 3	+ 4	+0.3	+0.1
19.GUJARAT REGION .	255.3	76	33.8	25.9	85	65	6.0	5.4
(INCL.DAMAN ETC).	- 80.6		+1.6	+0.7	- 2	- 7	-0.7	-0.9
20.SAURASHTRAKUTCH.	258.0	98	33.3	26.6	83	72	5.9	5.8
(INCLUDING DIU) .	- 5.7		+1.5	+0.5	- 1	- 3	-0.6	-0.7
21.KONKAN .	862.3	102	29.3	24.8	89	86	7.1	7.0
(INCLUDING GOA).	+ 18.7		+0.4	+0.1	+ 1	0	0.0	-0.2
22.MADHYA- .	221.2	138	29.8	22.5	85	73	5.9	6.0
-MAHARASHTRA .	+ 61.2		0.0	+0.1	+ 2	+ 3	-0.6	-0.9
23.MARATHWADA .	239.1	133	30.2	21.8	86	71	6.7	6.9
.	+ 58.7		-0.3	-0.3	+ 2	+ 2	-0.2	-0.4
24.VIDARBHA .	391.3	108	30.8	23.6	86	74	7.3	7.0
.	+ 30.3		+0.2	-0.1	+ 2	+ 1	+0.4	0.0
25.COASTAL ANDHRA .	160.9	101	32.7	25.3	79	70	6.4	6.7
-PRADESH .	+ 1.4		-0.1	-0.4	+ 1	+ 1	-0.2	+0.1
26.TELANGANA .	304.7	127	31.0	23.6	82	69	7.2	7.1
.	+ 64.7		-0.1	-0.2	+ 1	+ 1	+0.5	+0.2
27.RAYALASEEMA .	95.6	109	33.2	23.9	74	59	6.6	7.2
.	+ 7.6		+0.8	+0.2	+ 2	+ 3	-0.3	+0.2
28.TAMILNADU .	39.1	66	34.8	25.2	68	58	6.2	6.8
(INCL.PONDICH.).	- 19.9		+1.0	0.0	0	- 1	+0.3	+0.6
29.COASTAL MYSORE .	1067.4	96	28.5	23.6	90	87	7.5	7.5
.	- 42.2		+0.4	+0.2	- 1	- 1	+0.1	+0.1
30.INTERIOR MYSORE.	205.7	106	28.9	21.7	88	73	7.4	7.4
(NORTH) .	+ 10.8		+0.1	+0.3	+ 4	+ 1	+0.7	+0.5
31.INTERIOR MYSORE.	237.3	110	27.2	20.2	87	72	6.8	7.0
(SOUTH) .	+ 22.4		+0.2	0.0	+ 2	+ 1	-0.2	0.0
32.KERALA .	566.1	115	28.8	22.9	92	85	7.2	7.3
.	+ 73.2		+0.1	-0.3	+ 2	+ 1	+0.4	+0.3
33.ARABIAN SEA- .	132.1	48	30.1	25.2	82	77	6.6	7.3
ISLANDS .	-143.0		+0.7	-0.1	- 1	- 3	+0.4	+0.4

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

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JULY 1969 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation: 0.1 & 0.2 mm.	0.3 mm. or more	Heavy or dust	Mist	Thunder heard	Fog	Dust-storm	Gale	Squall	Last Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	21	22	23	24	25	26	27	28
BAY ISLANDS																												
MAYA BANDAR	29.6	+0.6	31.5	07	23.6	-0.6	21.2	21	180.2	709.6	+199.6	103.2	26	22	+ 1.3	19.4	14.2	+2.1	0	22	0	0	6	0	0	0	0	0
LONG ISLAND	30.4	+0.4	31.7	07	24.5	+0.3	22.0	01	113.6	427.6	- 11.0	77.2	11	18	- 1.6	10.7	7.2	+4.2	1	20	0	0	0	0	0	0	0	0
PORT BLAIR	29.5	+0.6	31.4	08	24.1	0.0	22.1	14	159.6	1103.0	+711.6	701.1	19	16	- 3.5	29.0	20.6	+0.7	2	18	0	0	3	0	0	0	3	0
CAR NICOBAR	30.7	+0.5	31.6	07	23.9	-0.5	21.1	24	64.8	140.1	-190.8	34.4	11	7	- 8.2	8.0	6.1	+1.0	0	9	0	0	0	0	0	0	0	0
NAN COWRY	29.9	+0.7	31.4	07	25.1	+0.2	22.4	11	45.4	167.2	-115.8	44.2	12	9	- 6.9	13.5	11.7	-0.4	0	17	0	0	1	0	0	0	0	0
KONDUL	29.3	+0.2	30.5	17	23.6	-1.3	21.1	11	65.3	177.9	-177.2	51.4	11	10	- 7.4	9.4	7.9	-0.2	0	18	0	0	0	0	0	0	0	0
HUT BAY/LITTLE ANDAMAN	30.6	..	32.3	05	27.4	..	25.1	18	34.4	190.0	..	41.2	14	11	..	12.6	9.0	..	0	18	0	0	0	0	0	0	0	0
NORTH ASSAM (INCLUDING NEFA)																												
PASIGHAT	31.0	+0.3	35.9	30	24.0	+0.2	22.2	16	258.3	975.9	- 34.9	171.1	16	17	- 4.7	4.5	3.9	+0.7	2	20	0	0	6	0	0	0	0	0
DIBRUGARH (MOHANBARI)	31.6	+0.5	35.7	22	24.8	+0.5	20.7	05	107.1	579.9	+ 63.8	128.7	08	22	+ 0.3	6.1	4.6	+0.7	0	24	0	0	15	0	0	0	0	0
DIGBOI	33.4	+1.9	36.5	03	25.1	+0.8	22.5	15	63.9	344.1	-192.4	44.4	15	15	- 7.1	5.1	4.7	..	1	21	0	0	0	0	0	0	0	0
NORTH LAKHIMPUR	31.6	+0.6	35.4	22	24.2	-0.4	23.1	09	..	666.9	+ 51.1	65.3	04	22	+ 0.1	.	4.6	..	1	26	0	0	12	0	0	0	0	0
SIBSAGAR	33.9	+1.5	35.7	29	23.9	-1.5	20.0	22	128.2	326.7	-149.8	99.4	09	9	-10.8	3.7	3.1	-2.5	0	9	0	0	0	0	0	0	0	0
GOHPUR	31.9	-1.1	35.6	22	25.2	+0.5	24.2	09	37.0	429.9	+113.5	56.2	22	18	+ 4.7	4.3	3.4	..	0	21	0	0	0	0	0	0	0	0
MAJBAT	32.6	..	36.1	22	24.9	..	24.0	17	67.5	374.4	+ 70.1	77.3	22	14	- 0.3	5.8	4.4	0.0	0	14	0	0	0	0	0	0	0	0
JORHAT AERODROME	32.9	..	35.7	21	25.5	..	24.4	09	45.4	386.2	..	66.1	26	19	..	..	..	..	1	22	0	0	21	0	0	0	0	0
TEZGLA	33.0	-0.3	36.4	29	25.0	0.0	22.5	06	97.0	319.9	+ 58.4	81.7	01	16	+ 3.4	4.1	3.9	+1.7	0	17	0	0	0	0	0	0	0	0
TEZPUR	32.3	+0.2	34.9	22	25.2	-0.1	23.8	10	27.3	121.9	-219.5	18.0	09	14	- 2.6	5.5	3.5	+1.0	0	16	0	0	0	0	0	0	0	0
GOLAGHAT	32.9	+0.2	35.6	21	23.7	-0.8	22.4	09	87.8	234.6	-143.0	34.0	25	16	- 1.7	3.9	3.1	..	0	24	0	0	0	0	0	0	0	0
KANGTA	32.9	-0.5	35.6	22	25.9	+1.0	24.6	10	62.2	251.2	- 37.7	47.0	14	14	+ 3.5	7.1	4.8	..	0	16	0	0	1	0	0	0	0	0
CHABARMUKH	33.0	-0.3	35.5	03	26.3	+0.4	24.1	14	53.2	399.7	+101.4	83.2	09	15	- 2.7	0.9	2.2	..	0	21	0	0	4	0	0	0	0	0
GOALPARA	32.4	+0.1	34.6	03	22.1	-2.9	20.4	08	111.3	320.5	-120.8	54.3	08	20	+ 3.3	4.2	2.6	-0.6	0	21	0	0	0	0	0	0	0	0
GAUHATI (BORJHAR)	31.9	+0.2	34.5	21	25.6	-0.1	24.1	12	141.1	353.4	- 11.9	68.3	09	19	+ 3.7	6.2	4.2	..	0	25	0	0	16	0	0	0	0	0
DHUBRI (ROPSI)	32.1	0.0	35.1	04	25.4	-0.2	24.2	08	83.4	522.0	+125.3	95.4	08	20	+ 5.2	7.6	6.0	+1.5	0	25	0	0	16	0	0	0	0	0
DHUBRI	31.3	+1.7	34.2	30	25.5	-0.3	24.1	10	85.4	387.3	- 42.7	80.4	26	16	0.0	8.5	6.2	+0.1	0	20	0	0	4	0	0	0	0	0
LUMDING	34.1	+1.1	37.0	21	25.2	+0.4	23.4	23	9.5	93.4	-109.3	36.1	23	5	- 6.2	5.3	3.9	..	0	15	0	0	0	0	0	0	0	0
BIMDILLA	19.4	..	21.5	31	12.9	..	11.1	06	0.0	250.2	..	87.0	18	11	..	..	..	..	0	13	0	0	0	21	0	0	0	0
TAWANG	16.4	..	18.9	03	9.5	..	5.4	30	54.9	88.2	..	22.0	17	9	..	..	..	..	0	9	0	0	0	0	0	0	0	0
TEZU	31.8	..	36.5	22	24.0	..	22.4	17	147.2	619.0	..	223.8	08	17	..	..	..	..	0	22	0	0	1	0	0	0	0	0
ALONG	32.5	..	36.6	31	23.6	..	19.7	18	46.6	283.1	..	56.4	08	17	..	..	..	..	0	21	0	0	0	0	0	0	0	0
DAPORIJO	28.0	..	32.2	25	19.6	..	14.0	04	75.0	201.0	..	26.1	26	15	..	..	..	..	0	15	0	0	0	0	0	0	0	0
ZIRO	25.8	..	28.7	29	17.2	..	16.1	25	95.3	198.2	..	40.8	09	12	..	9.7	6.1	..	0	18	0	0	5	9	0	0	0	0
KHONSA	29.5	..	32.0	20	21.4	..	20.6	03	710.6	1027.8	..	127.0	05	25	..	..	..	..	0	27	0	0	0	0	0	0	0	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																												
TURA	29.6	+0.7	32.1	20	24.5	+1.3	22.9	10	342.3	593.8	- 71.3	123.2	07	20	- 0.9	6.5	5.4	-1.0	0	25	0	0	0	0	0	0	0	0
HAFLONG	27.3	-0.7	31.8	30	21.0	-0.5	19.0	17	22.2	260.5	- 61.5	68.2	04	14	- 4.1	..	..	..	0	24	0	0	3	0	0	0	0	0
SILCHAR (KUMBHIRGRAM)	32.4	-0.1	35.8	30	24.5	+0.2	23.2	24	106.4	576.0	+ 58.1	108.6	27	19	- 2.8	6.6	5.6	+0.3	1	24	0	0	12	0	0	0	0	0
SILCHAR	30.2	-1.6	34.5	29	25.7	+0.6	24.0	24	134.6	509.4	- 32.6	62.8	24	24	+ 1.0	0.4	0.2	-1.7	0	26	0	0	10	0	0	0	0	0
IMPHAL (TULIHAL)	29.2	+0.8	31.9	27	20.0	-1.8	18.9	01	52.2	232.6	- 19.9	43.7	14	19	+ 1.3	7.4	5.2	-1.3	2	24	0	0	9	0	0	0	0	0
KAILASHAHAR	32.3	-0.2	34.5	20	24.9	0.0	23.5	24	153.6	336.4	+ 24.9	66.2	23	23	+ 5.6	10.3	8.2	+3.9	0	29	0	0	20	1	0	0	0	0
AGARTALA	31.8	+0.4	33.6	03	24.8	-0.1	23.5	10	107.7	214.9	-165.6	25.3	29	15	- 1.6	11.7	9.3	-0.1	1	24	0	0	9	0	0	0	2	0
TUENSANG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MOKOKCHUNG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SUB-HIMALAYAN WEST BENGAL																												
BAGHDOGRA	31.9	+0.9	35.3	21	24.3	-0.4	23.0	05	126.8	882.3	+ 33.8	198.2	01	24	+ 1.1	..	..	..	0	28	0	0	19	0	0	0	0	0
JALPAIGURI	30.9	+0.3	34.2	29	24.1	-0.9	22.3	27	153.4	681.0	- 92.9	99.0	27	23	+ 1.0	7.7	6.8	+0.3	1	24	0	0	6	0	0	0	0	0
COOCH BEHAR AERODROME	31.6	+0.3	35.2	21	24.6	-0.8	23.3	26	164.0	855.7	+107.9	151.6	17	20	+ 0.8	6.7	4.5	0.0	1	25	0	0	14	0	0	0	0	0
BALURGHAT	32.5	..	34.4	30	26.1	..	24.2	11	201.8	332.4	..	74.0	10	18	..	8.6	6.7	..	0	20	0	0	2	0	0	0	0	0
MALDA	32.7	+0.9	34.8	01	26.7	+0.5	24.5	11	82.0	225.7	- 66.9	56.0	19	16	+ 1.3	4.6	3.6	-4.8	0	23	0	0	14	0	0	0	0	0
HASHIMARA AERODROME	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GANGETIC WEST BENGAL																												
BERHAMPORE	33.0	+0.5	35.2	01	25.7	-0.3	21.4	03	145.1	176.6	-104.6	22.8	10	16	- 1.0	4.4	3.2	-2.4	0	21	0	0	5	0	0	0	0	0
SURI	32.3	0.0	35.3	08	25.6	+0.1	23.6	10	..	245.2	- 83.5	52.2	11	18	+ 3.1	.	6.5	-2.4	0	23	0	0	6	0	0	0	0	0
ASANSOL	33.5	+1.5	35.9	09	26.0	+0.4	24.1	18	75.6	183.2	-175.5	46.1	18	13	- 5.0	9.0	6.5	-1.6	1	16	0	0	14	0	0	0	0	0
SHANTI NIKETAN	33.0	..	35.8	08	26.1	..	24.7	10	..	162.7	..	40.5	17	10	..	.	8.5	..	1	20	0	0	20	0	0	0	0	0
KRISHNANAGAR	32.9	+0.6	35.1	09	25.0	-0.6	24.2	20	120.4	270.5	- 15.8	55.7	01	20	+ 3.4	11.2	6.9	+0.1	0	22	0	0	9	0	0	0	0	0
PURULIA	32.7	+1.0	35.3	01	25.4	+0.5	23.9	02	128.3	253.1	- 85.7	48.6	02	15	- 3.3	8.3	6.7	+0.6	0	19	0	0	14	0	0	0	0	0
BANKURA	33.8	..	35.6	03	26.1	..	25.0	18	186.0	251.2	- 84.6	57.0	20	14	- 2.2	2.0	2.0	..	0	23	0	0	0	0	0	0	0	0
BURDWAN	33.8	+1.8	35.8	08	26.5	+0.7	25.2	17	153.7	303.2	- 30.1	55.4	01	16	- 0.1	15.6	10.8	+3.7	0	16	0	0	0	0	0	0	0	0
CALCUTTA (DUM DUM)	32.0	+0.2	34.2	13	26.1	+0.1	24.8	04	110.0	248.6	- 67.3	65.0	19	18	- 0.1	14.0	11.8	-0.4	0	25	0	0	12	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JULY 1969 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 to 0.2 mm.	Precipitation 0.3 mm. or more	Heavy or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	21	22	23	24	25	26	27	28
GANGETIC WEST BENGAL (CONTD.)																												
CALCUTTA	32.0	0.0	34.4	27	26.3	0.0	24.4	19	170.2	290.7	- 40.5	43.9	19	20	+ 3.1	9.2	6.9	+0.9	0	25	0	0	11	0	0	0	1	0
MIDNAPURE	32.0	+0.1	35.0	09	26.0	+0.2	24.4	19	255.0	350.4	+ 16.9	60.4	11	18	+ 1.4	8.0	5.1	-0.3	0	19	0	0	0	0	0	0	0	0
CONTAI	31.1	+0.3	33.1	23	26.0	-0.3	24.9	03	136.3	255.8	- 47.2	60.0	18	13	- 1.8	13.3	10.4	-1.9	0	18	0	0	0	0	0	0	0	0
SAGAR ISLAND	30.6	+0.3	32.5	28	26.8	+0.1	25.3	08	330.3	441.9	+ 47.4	100.7	20	17	+ 0.3	25.5	25.4	+0.5	1	26	0	0	6	0	0	0	0	0
SANDHEADS	30.9	..	33.2	04	27.9	..	25.2	03	88.1	237.0	- 40.4	124.0	03	13	- 0.3	..	..	..	3	16	0	0	1	0	0	0	0	0
BAGATI	32.6	..	34.6	13	25.4	..	23.9	18	152.6	283.4	..	93.1	19	15	..	8.3	6.9	..	1	19	0	0	0	0	0	0	0	0
ORISSA																												
BARIPADA	32.3	+0.2	35.2	09	25.9	+0.5	24.6	02	280.9	375.2	- 31.8	69.0	23	18	- 0.8	2.5	1.5	-0.9	1	23	0	0	17	0	0	0	0	0
JHARSUGUDA	31.6	+0.7	35.0	01	24.8	+0.2	23.0	02	84.4	469.0	+ 34.7	143.8	31	20	+ 1.2	11.5	9.6	0.0	2	28	0	0	15	0	0	0	1	0
KEONJHARGARH	30.1	+0.7	32.4	07	..	..	..	..	95.7	173.4	- 72.0	36.5	29	10	- 6.2	11.0	7.7	-0.6	3	18	0	0	0	0	0	0	0	0
BALASORE	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SAMBALPUR	32.6	+1.9	37.1	03	23.4	-1.5	19.9	05	157.2	586.7	+ 88.4	110.1	31	22	+ 2.7	9.5	7.2	-1.1	0	24	0	0	0	0	0	0	0	0
ANGUL	31.7	+0.5	34.5	09	23.6	-1.6	21.2	20	161.0	346.6	+ 21.0	77.0	31	18	+ 2.5	..	..	..	0	20	0	0	0	0	0	0	0	0
CHANDBALI	31.3	-0.1	34.4	02	25.2	-0.5	23.5	03	172.2	296.0	-114.7	55.8	03	15	- 1.0	12.2	13.2	+2.0	0	20	0	0	0	0	0	0	0	0
BOLANGIR	31.4	+0.5	34.0	26	23.7	-0.9	21.8	01	282.8	441.6	- 23.1	63.6	01	23	+ 7.3	5.1	8.7	-1.4	0	28	0	0	7	0	0	0	0	0
PHULBANI	29.2	..	32.5	07	23.1	..	21.7	24	66.0	551.5	..	176.2	30	15	..	6.7	5.9	..	0	20	0	0	3	0	0	0	0	0
CUTTACK	32.4	+0.8	36.7	09	25.6	0.0	20.5	18	211.8	363.5	+ 10.4	97.0	30	13	- 2.9	..	..	..	2	17	0	0	5	0	0	0	0	0
TITLAGARH	31.5	+0.4	35.6	01	24.4	0.0	22.8	01	157.8	412.2	+ 13.9	69.1	29	20	+ 3.4	8.2	6.7	+2.3	0	27	0	0	8	0	0	0	0	0
BHUBANESWAR	31.9	+0.4	36.3	09	25.1	-0.4	23.5	31	113.8	513.0	+211.5	282.8	30	13	- 1.9	20.9	16.7	+0.8	0	21	0	0	12	0	0	0	0	0
PURI	30.9	+0.3	33.8	27	26.8	+0.1	25.1	28	235.2	561.7	+280.0	189.2	29	15	+ 3.1	23.8	23.9	+0.6	0	18	0	0	0	0	0	0	0	0
GOPALPUR	30.6	-0.2	34.0	02	25.0	-1.1	22.6	27	137.1	293.7	+119.7	54.8	30	14	+ 4.6	..	..	..	1	19	0	0	11	0	0	0	0	0
KORAPUT	25.1	-0.4	33.6	09	..	..	..	..	252.4	723.7	+259.1	130.2	29	24	+ 4.1	..	..	..	1	28	0	0	0	0	0	0	0	0
PARADIP PORT	32.7	..	34.7	28	25.4	..	23.5	30	127.2	319.0	..	70.0	30	14	..	36.2	30.6	..	0	18	0	0	0	0	0	0	0	0
ROURKELA	31.8	..	36.9	01	25.5	..	24.0	02	79.0	353.5	..	54.3	21	21	..	..	..	..	0	23	0	0	3	0	0	0	0	0
BHAWANI PATNA	31.0	..	35.5	07	24.1	..	22.3	21	226.0	433.0	..	180.0	29	13	..	4.6	4.0	..	0	13	0	0	0	0	0	0	0	0
BIHAR PLATEAU																												
DUMKA	32.5	+0.7	34.8	02	25.1	-0.2	23.8	24	154.3	325.0	- 32.9	37.6	18	20	+ 1.8	3.9	4.5	-1.0	0	26	0	0	0	0	0	0	0	0
DALTONGANJ	34.3	+1.8	38.7	03	25.0	-0.5	23.2	30	205.8	452.6	+101.8	72.2	20	21	+ 4.8	..	..	..	0	22	0	0	0	0	0	0	0	0
HAZARIBAGH	..	..	..	..	..	..	..	..	67.2	207.9	-113.9	40.7	18	14	- 3.7	8.4	5.2	-4.1	0	20	0	0	15	1	0	0	0	0
DHANBAD	32.1	+0.9	35.2	01	25.7	+0.9	23.8	18	137.9	337.1	- 26.6	57.6	18	18	- 0.6	10.7	6.7	-2.4	0	26	0	0	2	0	0	0	0	0
RANCHI AERODROME	29.2	+0.4	32.9	01	23.0	0.0	22.0	20	110.6	379.2	+ 72.6	87.5	23	16	- 0.4	14.8	11.7	+0.1	3	22	0	0	11	0	0	0	0	0
JAMSHEDPUR	32.4	+0.4	35.9	01	26.3	+0.4	24.6	01	167.3	299.7	- 91.5	52.2	21	16	- 2.2	10.3	8.1	+0.3	0	20	0	0	3	0	0	0	0	0
JAMSHEDPUR P.B.O.	32.2	+0.2	36.7	01	25.8	+0.3	24.4	01	152.1	267.0	- 18.6	52.6	21	17	+ 1.9	11.4	7.0	+0.6	1	19	0	0	16	0	0	0	0	0
CHAIBASA	32.4	+0.7	37.6	01	24.9	-0.4	23.9	21	115.0	316.0	- 27.1	91.6	21	14	- 2.3	5.8	3.7	-0.2	0	17	0	0	10	0	0	0	0	0
BIHAR PLAINS																												
MOTIHARI	32.9	+0.4	35.0	01	25.2	-0.1	22.4	14	97.3	271.9	- 76.1	76.2	10	12	- 2.1	..	..	..	0	15	0	0	1	0	0	0	0	0
FORBESGANJ	31.8	-0.8	34.6	29	25.7	+0.6	24.5	02	45.0	219.1	-305.0	33.6	09	18	- 0.1	13.2	10.4	+2.7	1	23	0	0	11	0	0	0	0	0
DARBHANGA	32.1	-0.3	35.5	01	25.1	-1.1	23.3	09	36.7	209.6	-104.1	86.8	18	9	- 4.4	7.3	6.0	-1.0	0	14	0	0	1	0	0	0	0	0
MUZAFFARPUR	32.5	..	35.0	01	26.5	..	23.9	18	95.0	250.6	- 64.4	109.0	18	14	+ 0.5	8.5	6.2	..	0	21	0	0	0	0	0	0	0	0
CHAPRA	32.8	..	35.4	01	26.7	..	24.9	18	169.4	430.2	+160.0	135.3	18	17	+ 3.7	8.8	6.4	..	0	22	0	0	0	0	0	0	0	0
PURNEA	32.0	0.0	34.1	29	23.5	-2.4	22.2	09	144.4	404.2	+ 36.9	62.4	06	15	- 1.2	5.5	4.2	-1.3	1	20	0	0	0	0	0	0	0	0
PATNA AERODROME	32.6	-0.1	36.4	01	26.9	+0.4	24.4	18	171.2	320.3	+ 39.4	128.0	17	11	- 1.6	10.4	8.0	+0.1	1	19	0	0	24	0	0	0	0	0
ARRAH	..	..	..	..	..	..	..	..	..	34.5	-291.6	8.0	11	6	- 8.4	..	..	..	0	13	0	0	0	0	0	0	0	0
BHAGALPUR	32.8	+0.3	35.5	01	26.7	+0.5	25.2	09	275.5	449.8	+196.8	147.8	09	16	+ 2.7	8.9	6.8	+0.2	0	23	0	0	19	0	0	0	0	0
SABAUR	33.0	+0.7	35.5	29	24.3	-2.0	22.7	09	252.8	427.2	+170.9	94.0	09	14	- 1.0	11.6	7.8	-1.3	1	22	0	0	20	0	0	0	0	0
JAMUI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
DEHRI	33.6	+0.6	38.6	01	23.7	-2.7	21.5	19	219.5	444.2	+182.0	164.5	18	14	- 0.3	5.4	4.8	-1.4	0	16	0	0	0	0	0	0	0	0
GAYA	33.6	+0.1	38.2	01	26.3	0.0	24.0	28	140.0	289.5	- 5.6	38.5	11	19	+ 4.3	13.1	10.5	-0.8	0	23	0	0	22	0	0	0	3	0
SIWAN	..	..	..	..	25.4	..	23.1	01	78.2	471.6	..	95.6	07	15	..	.	9.5	..	0	15	0	0	0	0	0	0	0	0
UTTAR PRADESH EAST																												
KHERI	33.0	+0.3	37.0	04	26.0	+0.1	23.5	05	156.5	394.6	+ 65.3	90.0	24	18	+ 4.1	5.3	3.5	-1.0	0	18	0	0	10	0	0	0	0	0
BAHRAICH	33.4	+0.4	37.4	04	26.6	+0.3	24.7	18	52.0	126.6	-191.9	29.6	28	10	- 2.2	11.7	8.2	+0.4	0	14	0	0	5	0	0	0	0	0
NAUTANWA	33.1	+0.7	36.0	01	24.1	-2.1	21.4	09	222.8	391.2	- 95.8	122.8	10	12	- 2.3	9.5	6.5	-1.6	0	13	0	0	0	0	0	0	0	0
HARDOI	33.0	-0.6	39.2	03	26.2	-0.4	23.7	04	133.4	411.4	+ 76.7	141.0	16	15	+ 3.5	7.3	5.9	-1.1	0	15	0	0	0	0	0	0	0	0
GONDA	32.8	-0.1	36.0	01	25.5	-0.7	24.1	08	148.0	284.6	- 59.6	71.0	09	12	- 2.3	9.3	7.0	+0.6	0	12	0	0	0	0	0	0	0	0
LUCKNOW	32.9	-0.7	37.3	04	25.7	-0.9	22.6	26	215.2	321.8	+ 13.7	63.8	27	13	- 0.1	..	..	..	0	14	0	0	2	0	0	0	0	0
LUCKNOW (AMAUSI)	33.1	-0.1	37.4	04	26.3	0.0	23.9	08	153.0	302.6	- 44.7	63.9	12	12	- 1.0	13.1	10.5	-0.4	1	16	0	0	13	0	0	0	2	0
FAIZABAD	33.2	+0.2	36.8	01	26.3	+0.7	24.0	04	141.1	322.5	- 33.6	56.0	10	16	+ 3.8	7.0	4.8	+0.3	0	17	0	0	6	0	0	0	0	0
GORAKHPUR	33.1	+0.3	37.1	01	24.8	-1.6	23.1	10	101.8	612.7	+254.0	159.6	17	15	+ 1.0	6.9	5.3	-1.0	1	21	0	0	0	0	0	0	0	0
KANPUR	32.8	-0.9	39.3	01	26.3	-0.3	24.5	25	237.3	331.0	+ 68.6	90.0	05	13	+ 0.4	12.1	9.7	-1.8	1	17	0	0	1	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — JULY 1969 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																												
KANPUR(AERODRUME)	33.5	..	40.2	01	26.6	..	23.9	05	228.8	360.6	..	73.0	05	14	..	..	..	..	0	16	0	0	13	0	0	0	0	0
SULTANPUR	33.1	-0.4	38.5	01	26.5	+0.3	24.4	05	234.9	318.6	- 12.3	82.2	10	14	+ 2.4	6.3	5.1	-1.7	0	17	0	0	6	0	0	0	0	0
AZAMGARH	32.9	-0.1	38.6	01	26.0	-0.1	23.9	19	337.8	572.0	+287.5	165.2	17	15	+ 1.1	3.9	2.7	..	0	17	0	0	0	0	0	0	0	0
FATEHPUR	32.7	-1.1	39.9	01	26.3	-0.4	24.5	19	339.2	526.7	+246.1	94.3	12	20	+ 7.9	..	..	..	0	22	0	0	1	0	0	0	0	0
BALLIA	33.4	-0.9	36.5	01	26.4	+0.5	24.2	18	141.7	493.9	+256.9	167.0	18	16	+ 4.2	9.1	6.8	+0.4	0	16	0	0	0	0	0	0	0	0
BANDA	33.3	-0.7	39.6	01	26.1	-0.3	23.6	09	321.3	619.1	+330.1	108.2	20	20	+ 6.4	3.0	1.3	-1.6	0	21	0	0	0	0	0	0	0	0
ALLAHABAD(BAMHRAULI)	33.3	-0.3	39.8	01	26.0	-0.6	24.5	06	256.2	542.3	+228.9	102.5	06	18	+ 3.9	6.6	4.5	-3.9	3	21	0	0	19	0	0	0	0	0
VARANASI(BABATPUR)	33.0	0.0	39.5	01	26.6	+0.2	24.6	19	211.7	438.3	+ 92.5	103.8	05	17	+ 1.9	15.1	11.5	+0.1	0	20	0	0	20	0	1	0	0	0
VARANASI	33.2	-0.3	38.5	01	26.5	0.0	24.7	19	266.6	468.7	+158.3	112.0	05	17	+ 2.8	.	5.7	-3.3	0	19	0	0	0	0	0	0	0	0
UTTAR PRADESH WEST																												
MUKHIM	24.5	+1.1	27.7	06	17.1	-0.3	15.2	02	88.3	378.4	-124.9	95.0	23	21	- 0.4	..	..	..	0	24	0	0	8	0	0	0	0	0
TEHRI	34.3	+1.3	38.6	04	23.3	0.0	21.3	02	26.3	259.1	- 7.4	81.9	14	14	0.0	2.6	1.7	..	1	19	0	0	17	0	2	0	0	0
DEHRA DUN	30.9	+0.5	35.6	02	22.3	-0.8	19.8	17	131.5	542.7	-112.9	103.1	07	22	+ 1.6	3.7	3.2	+0.5	0	26	0	0	19	0	0	0	0	0
MANSIARI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
ROORKEE	33.5	+0.2	38.6	02	24.6	-0.9	21.6	06	61.9	163.7	-147.7	40.6	08	9	- 3.3	7.5	5.5	-0.3	0	12	0	0	7	0	1	0	0	0
NAJIBABAD	33.7	+0.3	38.2	06	25.1	-0.2	21.4	11	84.3	199.8	-204.6	113.8	26	7	- 6.7	12.0	9.2	+2.6	0	10	0	0	4	0	0	0	0	0
MEERUT	33.4	-0.9	39.0	02	22.5	-3.9	19.5	02	..	194.0	- 35.9	36.0	15	12	+ 1.6	.	6.8	-0.3	0	12	0	0	0	0	0	0	0	0
BAREILLY	33.7	-0.1	39.5	01	26.2	0.0	21.3	02	178.1	378.5	+ 60.0	68.0	02	16	+ 3.5	7.9	5.8	0.0	0	21	0	0	0	0	0	0	0	0
ALIGARH	34.3	-0.6	40.4	02	26.3	-0.4	24.5	25	135.2	208.3	- 22.6	49.0	15	13	+ 3.1	9.0	6.7	-1.4	0	17	0	0	4	0	0	0	0	0
MAINPURI	34.7	-0.3	42.4	02	26.6	-0.1	24.0	16	132.4	238.8	+ 45.8	47.7	12	13	+ 2.8	..	..	..	0	18	0	0	1	0	1	0	0	0
AGRA	34.8	0.0	42.0	01	26.5	-0.5	24.6	29	185.8	287.7	+ 92.1	65.0	26	16	+ 5.6	7.5	5.6	-0.2	0	17	0	0	0	0	0	0	0	0
AGRA AERODRUME	34.7	..	41.7	01	26.7	..	24.4	29	215.8	318.0	..	49.8	29	18	..	..	..	..	0	18	0	0	16	0	1	0	0	0
ORAI	33.9	-0.1	42.5	01	25.0	-0.5	22.0	24	172.8	278.8	- 20.5	52.2	09	16	+ 2.7	11.1	8.3	-1.9	0	20	0	0	0	0	0	0	0	0
JHANSI	34.6	+1.1	42.5	01	24.4	-1.5	21.7	09	144.6	265.6	- 40.5	51.8	20	14	+ 0.3	4.3	4.4	-2.5	0	16	0	0	0	0	0	0	0	0
MORADABAD	32.8	..	37.7	07	22.8	..	20.1	02	188.2	473.5	..	82.8	11	15	..	4.9	5.0	..	0	16	0	0	1	0	0	0	0	0
UTTAR KASHI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
ASCOT	..	..	..	..	..	..	..	..	78.3	567.0	..	79.0	21	21	..	2.1	1.7	..	0	22	0	0	0	0	0	0	0	0
DHARCHULA	..	..	..	..	..	..	..	..	84.7	486.2	..	73.3	19	24	..	3.0	1.5	..	1	26	0	0	0	0	0	0	0	0
HARYANA(INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	33.6	-0.2	39.5	04	24.7	+0.3	21.2	25	123.6	209.3	- 67.2	49.6	09	11	+ 0.4	..	..	..	0	12	0	0	0	0	0	0	0	0
AMBALA	34.0	-1.2	39.6	05	25.7	-0.3	21.4	16	63.0	261.8	+ 13.6	74.2	25	10	- 0.8	..	..	..	1	11	0	0	0	0	0	0	0	0
AMBALA AERODRUME	34.0	..	39.3	05	26.0	..	21.7	16	116.8	411.6	..	126.0	25	11	..	..	..	..	2	11	0	0	9	0	1	0	0	0
KARNAL	33.8	-1.1	38.5	06	26.4	+0.7	24.6	[illegible]	101.4	110.4	- 82.5	37.0	16	7	- 1.8	4.7	4.1	..	1	10	0	0	0	0	0	0	0	0
HISSAR	37.8	+0.5	43.4	06	28.2	+0.9	24.8	26	105.8	173.5	+ 65.8	55.8	25	7	+ 1.2	11.9	10.1	+0.5	0	9	0	0	5	0	0	0	0	0
NEW DELHI/SAFDARJUNG	35.1	-0.2	41.6	06	26.6	-0.6	23.8	[illegible]	86.2	226.9	+ 40.7	51.0	16	11	+ 2.0	8.7	7.3	-3.0	1	12	0	0	10	0	0	0	0	0
PALAM AERODRUME	34.9	..	40.6	06	25.3	..	21.2	[illegible]	93.3	183.0	..	38.4	16	13	..	..	..	..	0	13	0	0	10	0	1	0	2	0
GURGAON	35.2	..	40.5	06	26.4	..	23.6	[illegible]	122.5	296.9	..	68.9	25	10	..	5.8	4.6	..	0	13	0	0	0	0	0	0	0	0
MAHNAUL	37.6	..	43.4	05	27.0	..	22.2	17	105.3	251.6	..	73.2	14	10	..	..	..	..	0	11	0	0	0	0	0	0	0	0
ROHTAK	35.9	..	41.5	06	24.5	..	22.1	29	110.0	289.3	..	60.2	27	11	..	12.3	11.3	..	0	12	0	0	0	0	0	0	0	0
PUNJAB																												
PATHANKOT	34.7	+0.6	40.2	04	24.5	-0.5	20.7	04	97.6	374.9	- 69.0	121.9	24	11	- 2.6	..	..	..	0	15	0	0	17	0	1	0	0	0
AMRITSAR	36.6	+1.0	42.0	06	26.0	+0.1	22.4	28	128.4	218.0	+ 4.0	112.0	25	6	- 2.8	..	..	..	1	8	0	0	9	0	2	0	0	0
AMRITSAR AERODRUME	35.1	..	40.4	04	24.5	..	20.2	08	126.3	189.3	..	99.9	16	8	..	..	..	..	0	11	0	0	13	0	1	0	0	0
LUDHIANA	35.5	-0.5	41.4	04	27.1	+0.4	22.4	29	57.9	72.8	-123.0	27.0	29	6	- 2.7	8.7	6.3	+2.1	0	9	0	0	5	0	0	0	0	0
FEROZEPUR	37.5	+0.9	43.5	07	25.9	-0.7	21.0	29	69.6	227.4	+ 77.5	160.8	26	5	- 1.2	4.1	3.1	+0.3	0	7	0	0	0	0	0	0	0	0
HALWARA AERODRUME	35.8	..	41.3	06	26.3	..	22.7	29	63.6	63.6	..	26.4	29	5	..	..	..	..	0	7	0	0	18	0	4	0	0	0
PATIALA	34.3	-0.9	39.1	06	26.5	+0.1	22.3	09	142.3	320.8	+140.5	110.0	15	8	- 0.3	11.5	9.3	+1.8	0	8	0	0	1	0	0	0	0	0
BHATINDA	38.1	-0.2	43.7	06	27.6	+0.1	23.9	01	83.0	93.8	+ 19.0	43.4	26	6	+ 1.6	7.5	7.2	-1.5	0	6	0	0	0	0	2	0	0	0
HIMACHAL PRADESH																												
MANDI	32.0	+0.8	36.5	06	21.4	-0.5	18.5	01	71.1	380.4	-166.7	79.6	15	17	- 3.3	..	..	..	1	19	0	0	0	0	0	0	0	0
BILASPUR	32.9	+0.4	39.1	29	23.6	-0.4	21.0	05	310.3	606.1	+165.9	125.8	26	17	0.0	4.9	3.9	-0.8	0	19	0	0	8	11	0	0	0	0
JAMMU AND KASHMIR																												
HISGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GILGIT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SKARDU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DRAS	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SONAMARG	..	..	..	..	..	..	..	..	..	1.3	- 91.7	0.5	29	0	- 8.7	..	..	..	4	1	0	0	0	0	0	0	0	0
LEH	24.9	+0.2	30.2	22	11.5	+1.3	5.5	16	0.0	0.0	- 12.7	0.0	..	0	- 1.5	..	..	..	0	0	0	0	0	0	0	0	0	0
SRINAGAR	30.9	+0.1	35.4	21	18.2	-0.2	13.4	01	6.8	58.5	+ 2.4	14.4	14	7	+ 2.2	4.6	4.	0.0	0	9	0	0	6	0	0	0	0	0
SRINAGAR AERODRUME	30.3	..	35.0	20	18.1	..	14.0	01	3.8	32.0	..	15.4	14	4	..	..	..	..	0	6	0	0	9	0	0	0	1	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — JULY 1969 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 to 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD)																												
GULMARG	23.1	+1.7	27.4	22	9.6	-0.9	5.4	02	52.2	87.7	- 12.6	31.9	25	7	- 2.1	8.5	6.[illegible]	+0.8	1	10	0	0	0	0	0	0	0	0
DAZIGUND	29.1	..	33.8	20	17.8	..	12.6	01	37.4	118.4	..	30.9	28	9	..	..	..	..	0	10	0	0	8	0	0	0	0	0
BANIHAL	28.6	..	32.3	07	19.2	..	13.6	30	32.7	60.6	..	20.8	29	5	..	..	..	..	3	12	0	0	7	0	0	0	0	0
JAMMU	35.9	+0.5	41.6	07	..	..	..	..	..	336.7	+ 9.3	90.2	14	16	+ 4.2	.	4.0	..	1	16	0	0	0	0	0	0	0	0
JAMMU AERODROME	35.1	..	40.4	06	25.8	..	21.1	08	89.1	336.2	..	74.9	25	15	..	..	..	..	0	16	0	1	14	0	2	0	0	0
GULMARG (RESEARCH INSTITUTE)	23.0	..	27.9	20	11.2	..	5.9	29	38.4	86.0	..	29.0	14	7	..	..	..	..	0	9	0	0	6	1	0	0	0	0
RAJASTHAN, WEST																												
GANGANAGAR	40.5	+1.7	45.0	07	29.2	+1.1	22.3	25	15.6	5.9	- 68.4	4.8	25	1	- 3.0	6.1	6.5	-6.8	0	3	0	0	3	0	0	0	0	0
ANUPGARH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
CHURU	38.8	+2.1	42.9	01	26.7	-0.4	21.6	18	58.6	76.4	- 68.0	31.6	26	5	- 1.8	17.2	13.6	+1.1	0	8	0	0	3	0	0	0	0	0
BIKANER	39.9	+1.0	43.6	06	28.5	+0.5	21.7	18	44.5	72.2	- 20.3	49.8	18	3	- 2.2	16.1	14.7	+1.9	0	6	0	0	3	0	2	0	0	0
NAGAUR	38.7	+2.3	42.3	01	27.4	0.0	22.4	01	2.0	153.6	+ 75.6	90.0	25	5	+ 0.8	13.8	15.1	+0.3	0	5	0	0	2	0	0	0	0	0
PHALODI	40.1	+3.2	43.6	18	26.9	-0.2	25.0	29	0.0	12.0	- 56.8	9.6	01	1	- 3.0	30.0	25.1	+1.5	0	2	0	0	0	0	0	0	0	0
JAISALMER	40.9	+3.2	47.0	05	26.8	+0.3	23.3	27	0.0	11.2	- 71.0	11.2	14	1	- 3.1	..	..	..	0	1	0	0	0	0	0	0	0	0
JODHPUR	38.4	+2.7	42.0	14	28.1	+1.3	26.4	21	19.4	32.3	- 75.9	20.6	15	3	- 2.9	..	..	..	0	6	0	0	9	0	1	0	1	0
BARMER	38.0	+1.9	42.2	14	26.8	+0.5	23.8	14	46.2	33.2	- 57.5	24.0	14	2	- 3.2	14.8	12.1	-0.3	0	4	0	0	3	0	1	0	0	0
PRINPURA (JAWAI DAM)	36.1	+3.2	41.1	01	26.9	+1.4	24.3	13	40.4	71.9	-114.3	28.4	17	4	- 3.7	6.8	6.9	-3.6	0	8	0	0	0	0	0	0	0	0
JALORE	37.3	..	40.6	02	..	..	..	..	0.0	57.6	..	45.4	13	2	..	13.5	14.3	..	0	4	0	0	1	0	9	0	0	0
RAJASTHAN, EAST																												
BILANI	37.5	+0.5	42.8	05	27.5	+0.5	23.2	21	24.8	85.2	- 21.3	38.4	15	6	+ 1.0	18.2	13.6	-1.3	1	8	0	0	0	0	0	0	0	0
SIKAR	37.1	+2.4	41.2	08	26.0	0.0	22.6	01	81.2	156.1	+ 0.6	41.1	18	7	- 1.3	..	..	..	0	9	0	0	0	0	0	0	0	0
JHUNJHUNU	36.5	+1.7	41.9	01	26.5	-0.8	22.3	17	51.3	307.6	+ 93.6	124.8	25	13	+ 2.5	6.9	4.9	-0.4	0	17	0	0	10	0	2	0	0	0
JAIPUR (SANGANER)	35.7	+1.6	41.8	01	26.3	+0.7	23.4	16	164.4	193.0	+ 5.5	121.3	26	11	+ 0.8	..	..	..	1	18	0	0	10	0	3	0	0	0
DHOLPUR	35.2	+1.0	42.3	01	25.7	-1.3	23.7	29	62.5	233.0	+ 3.3	68.9	29	17	+ 3.8	9.5	5.6	-2.1	0	21	0	0	12	0	0	0	0	0
AJMER	35.9	+2.7	40.1	01	26.8	+1.2	22.8	18	0.0	84.3	- 74.7	35.0	18	4	- 4.8	17.6	15.7	+4.1	1	10	0	0	0	0	0	0	0	0
TONK	36.6	+1.1	43.0	03	26.7	0.0	22.3	18	192.8	320.2	+142.0	119.6	26	13	+ 3.6	13.9	10.5	0.0	0	20	0	0	13	0	0	0	0	0
BHILWARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
KOTA	35.3	+2.0	42.6	01	25.7	-0.7	21.2	13	184.4	449.8	+178.3	144.0	18	14	+ 2.3	10.3	9.1	+0.9	1	16	0	0	4	0	0	0	0	0
KOTA AERODROME	35.1	..	43.4	01	26.6	..	22.8	08	227.2	520.4	..	149.2	18	13	..	17.8	16.1	..	3	16	0	0	11	0	3	0	0	0
CHAMBAL (RAWAT BHATTA DAM)	34.2	+1.6	41.6	01	24.8	+0.4	20.1	12	183.6	356.2	- 42.4	118.0	20	10	- 2.4	13.3	11.2	+2.3	0	17	0	0	13	0	0	0	0	0
UDAIPUR	32.6	+1.9	38.0	01	24.0	+0.1	21.2	13	91.8	169.7	- 44.4	45.1	21	9	- 1.6	7.3	5.6	-0.7	1	12	0	0	8	0	0	0	0	0
JHALAWAR	34.3	+2.0	42.3	03	23.4	-1.5	20.9	08	156.6	378.0	- 0.7	99.4	20	13	- 1.1	11.9	11.5	+1.9	0	14	0	0	4	0	0	0	0	0
BANSWARA	32.0	..	39.4	01	..	..	..	..	18.5	275.5	..	76.4	20	16	..	..	..	..	0	17	0	0	3	0	0	0	0	0
DUNGARPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SIROHI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SAWAI MADHOPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MADHYA PRADESH, WEST																												
GWALIOR	34.6	+0.5	43.3	01	26.4	-0.2	24.0	29	160.3	263.8	- 30.2	76.2	29	13	- 2.0	11.5	8.5	+0.7	0	15	0	0	18	0	0	0	0	0
SHEOPUR	34.7	+0.9	43.5	03	25.8	-0.1	22.6	18	241.8	378.8	+ 73.3	75.2	27	14	+ 1.4	11.9	9.8	+1.5	1	15	0	0	0	0	0	0	0	0
SHIVPURI	32.9	..	41.0	01	23.2	..	20.4	11	176.0	360.4	..	95.2	08	14	..	12.3	9.6	..	0	14	0	0	1	0	0	0	0	0
GUNA	32.6	-0.3	42.4	01	25.3	-0.1	21.6	10	296.7	628.5	+274.7	101.4	20	19	+ 5.1	7.4	5.5	-1.6	0	24	0	0	1	0	0	0	0	0
GWALIOR	32.4	+1.3	42.0	03	24.1	+0.1	21.3	08	153.6	438.7	+ 53.9	118.5	08	18	+ 1.9	15.4	12.6	+0.6	2	20	0	0	9	0	0	0	0	0
BHIND	32.7	+1.8	38.6	01	23.9	+0.1	21.8	12	64.5	309.1	+ 41.6	72.0	07	13	+ 1.8	17.4	16.7	+2.2	0	14	0	0	4	0	0	0	0	0
DATIA	32.2	+0.1	40.7	03	24.5	+0.2	22.1	07	129.3	282.0	-144.0	60.0	07	16	+ 1.3	17.6	13.8	+0.4	0	16	0	0	4	0	0	0	0	0
SAGAR	30.6	+0.9	38.7	01	21.2	-1.7	14.5	02	174.6	581.2	+164.4	123.4	20	18	+ 1.3	9.9	12.3	+1.8	0	22	0	0	1	0	0	0	0	0
RATLAM	31.0	+0.8	37.1	03	22.9	-0.5	18.7	06	74.5	317.4	- 32.2	49.8	20	17	+ 2.3	14.5	13.6	+2.1	0	22	0	0	6	0	0	0	0	0
BHOPAL (BAIRAGARH)	31.1	+1.2	39.1	02	22.3	-0.9	20.2	07	157.2	376.1	-114.6	68.1	17	18	+ 1.5	20.5	16.6	+3.4	0	27	0	0	13	0	0	0	1	0
UJJAIN	31.0	..	37.9	03	23.3	..	21.2	07	52.0	292.0	..	63.8	07	15	..	23.6	18.4	..	0	19	0	0	0	0	0	0	0	0
NARSINGHPUR	32.0	..	42.4	01	22.5	..	20.0	30	238.5	600.4	..	146.2	31	20	..	9.9	8.2	..	0	23	0	0	0	0	0	0	0	0
HOSHANGABAD	31.1	+0.9	38.1	02	23.6	-0.4	21.4	01	110.4	549.4	+110.2	63.1	17	22	+ 5.7	8.3	6.5	+0.4	0	23	0	0	1	0	0	0	0	0
INDORE	30.3	+0.8	36.6	03	22.6	0.0	20.8	07	48.4	353.0	+ 32.8	83.6	15	14	+ 0.2	29.5	25.3	-0.9	1	17	0	0	10	0	0	0	0	0
RAJPUR (JHABUA)	31.8	+1.2	36.0	01	23.8	-0.1	21.4	12	125.8	303.4	- 29.3	92.8	18	13	- 1.6	14.6	12.0	-1.2	1	19	0	0	0	0	0	0	0	0
CHHINDWARA	29.2	+0.8	36.5	02	22.5	+0.1	20.0	30	122.9	354.7	+ 31.3	56.6	17	19	+ 1.9	..	..	..	0	24	0	0	5	0	0	0	0	0
SEONI	29.7	+1.0	36.0	01	21.7	-0.7	19.4	21	176.4	620.7	+200.8	133.0	16	21	+ 2.7	11.8	7.5	-0.1	2	26	0	0	8	0	0	0	0	0
BETUL	28.8	+0.7	35.9	02	22.0	-0.3	20.0	30	87.6	409.8	+ 71.3	61.2	30	20	+ 2.7	9.8	7.9	-0.4	0	27	0	0	1	0	0	0	0	0
KHANDWA	34.5	+3.6	42.2	07	23.6	-0.2	21.2	02	71.4	254.7	- 12.8	44.9	30	14	+ 1.3	18.9	13.7	-0.3	0	19	0	0	3	0	0	0	0	0
BURHANPUR	32.7	..	42.0	01	23.9	..	21.7	21	279.8	576.9	..	129.2	29	19	..	9.8	8.3	..	0	23	0	0	5	0	0	0	0	0
SHAJAPUR	..	..	..	..	..	..	..	..	..	7.7	..	5.3	29	1	..	..	..	..	0	4	0	0	0	0	0	0	0	0
KANDHUD	31.7	..	39.0	02	24.1	..	22.4	07	8.6	258.1	..	94.2	16	13	..	10.4	8.9	..	0	15	0	0	4	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JULY 1969(10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Duststorm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST																												
SATNA	32.4	+0.5	43.6	16	25.0	-0.1	23.4	12	256.8	525.0	+168.1	74.7	06	18	+ 2.2	8.5	7.1	-0.5	0	27	0	0	10	0	0	0	0	0
REWA	31.3	..	39.6	01	24.5	..	22.9	12	149.4	385.4	..	44.7	06	19	..	7.0	5.2	..	0	24	0	0	10	0	0	0	0	0
SIDHI	32.3	-0.9	42.2	01	25.5	+0.3	23.8	10	244.6	594.8	+273.9	85.0	05	21	+ 6.6	..	..	..	0	25	0	0	0	0	0	0	0	0
UMARIA	30.3	-0.3	39.6	01	24.0	0.0	21.7	10	245.2	522.4	+109.5	160.8	17	22	+ 3.7	8.2	6.9	+0.7	0	23	0	0	15	0	0	0	0	0
JABALPUR	31.2	+0.9	40.5	01	24.1	+0.2	21.6	10	..	596.7	+113.3	98.0	10	22	+ 3.9	.	8.3	+0.1	1	26	0	0	9	0	0	0	0	0
AMBIKAPUR	29.9	+0.4	34.9	01	23.1	-0.1	21.0	27	262.4	666.8	+232.0	76.6	20	22	+ 4.3	11.4	8.8	-0.5	1	25	0	0	9	0	0	0	0	0
JASHPURNAGAR	28.2	..	31.5	01	22.0	..	21.1	02	300.7	557.3	..	61.8	21	25	..	7.9	5.6	..	0	29	0	0	0	0	0	0	0	0
PENDRA	29.6	+0.9	36.0	01	23.1	+0.3	22.2	17	104.2	288.5	- 78.0	40.2	27	17	- 1.4	8.8	6.9	-1.1	0	25	0	0	18	0	0	0	0	0
MANDLA	29.9	-0.2	38.8	01	23.4	+0.1	21.6	10	193.6	475.0	- 21.4	65.4	04	23	+ 2.5	6.9	5.3	+1.4	0	28	0	0	6	0	0	0	0	0
CHAMPA	31.6	+0.2	35.3	16	24.5	-0.4	22.2	21	..	296.3	-117.7	50.4	04	15	- 3.8	.	8.6	+0.3	1	19	0	0	12	0	0	0	0	0
RAIGARH	31.5	0.0	34.5	01	24.8	-0.2	22.7	21	285.2	559.9	+ 84.7	82.8	31	24	+ 5.4	8.5	6.5	-0.5	0	30	0	0	4	0	0	0	0	0
RAIPUR	31.1	+0.8	37.0	01	23.8	-0.3	21.4	21	109.6	284.4	- 86.4	76.1	02	13	- 2.9	12.2	11.3	-0.5	2	28	0	0	9	0	0	0	0	0
KANKER	29.2	+0.1	32.8	02	23.6	0.0	22.0	11	183.8	544.7	+176.6	130.8	28	19	+ 1.9	12.9	11.2	+1.2	0	25	0	0	1	0	0	0	0	0
JAGDALPUR	27.9	-0.2	32.4	03	22.1	-0.1	20.3	31	219.3	615.4	+230.8	95.6	29	24	+ 4.7	9.5	6.8	-2.3	1	28	0	0	5	0	0	0	0	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																												
DESA	35.5	+2.1	40.0	03	26.4	+0.9	22.3	17	24.1	223.3	- 21.3	63.2	17	7	- 3.1	11.3	12.9	..	0	8	0	0	0	0	0	0	0	0
RADHANPUR	35.9	+1.7	40.4	14	26.7	+2.3	23.8	17	7.2	60.5	-144.4	35.3	14	5	- 3.2	13.9	13.4	+1.3	0	6	0	0	0	0	0	0	0	0
IDAR	34.9	+3.2	39.7	01	25.9	+1.5	23.0	14	24.6	152.1	-327.0	47.8	28	10	- 3.6	10.5	8.4	-0.4	0	14	0	0	0	0	0	0	0	0
AHMADABAD	35.3	+2.1	40.7	02	26.4	+0.7	24.1	28	78.1	200.1	-144.1	68.4	21	11	- 2.4	8.9	9.2	-1.6	0	16	0	0	4	0	0	0	0	0
DOHAD	31.4	+1.0	38.3	02	23.4	-0.6	20.3	12	56.0	257.2	- 5.8	66.4	14	14	+ 1.3	23.7	23.9	-5.2	1	22	0	0	7	0	0	0	0	0
VALLABH VIDYANAGAR	34.1	..	38.5	02	26.1	..	24.0	21	131.0	216.2	..	44.4	18	13	..	12.0	11.1	..	0	17	0	0	6	0	0	0	0	0
BARODA AERODROME	33.5	+1.4	37.5	02	26.2	+0.6	24.1	21	178.8	363.4	+ 19.8	92.9	21	12	- 2.2	20.3	20.0	+7.0	1	16	0	0	6	0	0	0	1	1
BARODA	32.3	-0.1	37.7	02	26.4	+1.0	23.7	21	183.6	343.6	- 25.5	75.3	21	12	- 3.9	12.4	11.1	+2.8	2	19	0	0	3	0	0	0	0	0
BROACH	33.3	+1.3	38.0	02	26.4	+0.7	24.3	21	67.6	261.9	- 70.9	52.5	14	14	- 0.6	27.9	26.0	+4.8	1	16	0	0	0	0	0	0	0	0
SURAT	32.1	+1.6	36.2	03	25.7	0.0	24.1	21	150.3	435.2	- 6.8	124.6	21	15	- 1.5	18.6	14.2	+2.4	1	19	0	0	0	0	0	0	0	0
SAURASHTRA AND KUTCH (INCLUDING DIU																												
NALIYA	33.1	+1.3	35.4	13	26.7	+0.6	24.6	2[illegible]	41.6	71.4	-233.7	50.0	23	5	- 3.8	26.3	21.6	-0.3	0	6	0	0	0	0	0	0	0	0
BHUJ (RUDRAMATA)	35.3	+2.3	39.1	14	27.0	+0.7	25.0	29	48.8	61.6	- 88.8	19.8	14	6	+ 0.4	26.1	21.6	+1.6	1	8	0	0	3	0	0	0	0	0
KANDLA AERODROME	35.5	..	40.0	14	27.1	..	24.3	14	33.9	89.9	..	34.0	15	6	..	35.2	30.4	..	0	10	0	0	3	0	2	0	0	0
NEW KANDLA	33.9	+1.3	36.7	02	26.9	+0.3	24.5	27	65.2	165.0	- 18.4	63.0	15	8	0.0	32.6	29.1	+1.5	0	16	0	0	3	0	0	0	0	0
MANDVI	32.8	+1.7	37.5	11	26.8	-0.1	24.6	27	0.0	43.2	-168.8	23.5	23	4	- 5.2	33.1	29.5	-6.8	2	7	0	0	0	0	0	0	0	0
SURENDRANAGAR	35.7	+1.6	40.2	02	26.8	+0.9	25.0	14	53.3	67.9	-110.8	37.7	17	6	- 1.9	18.3	16.2	-4.1	0	8	0	0	3	0	0	0	0	0
OKHA	31.8	..	33.4	10	26.7	..	24.2	7[illegible]	155.9	204.0	..	156.8	22	8	..	27.5	26.4	..	2	13	0	0	0	0	0	0	0	0
JAMNAGAR AERODROME	34.1	+1.8	37.0	02	26.1	-0.1	22.8	[illegible]	104.5	234.1	+ 8.3	76.0	16	7	- 1.1	..	..	..	0	11	0	0	3	0	0	0	0	0
DWARKA	31.5	+1.3	33.4	15	27.3	+0.4	22.6	01	258.9	397.7	+210.8	190.0	22	6	- 0.3	22.4	23.5	-3.6	2	8	0	0	0	0	0	0	0	0
RAJKOT	34.5	+1.9	38.8	03	25.6	+0.7	23.6	21	48.2	190.8	-181.3	77.2	15	7	- 5.7	31.4	28.3	0.0	1	14	0	0	3	1	0	0	0	0
BHAVNAGAR AERODROME	34.6	+1.4	37.7	05	26.7	+0.7	24.9	27	39.6	48.8	-180.9	23.7	21	6	- 5.0	28.5	23.6	+8.9	2	10	0	0	6	0	0	0	0	0
PORBANDER AERODROME	31.5	+1.4	33.9	14	27.0	+0.5	24.7	26	194.0	513.5	+134.1	252.6	16	10	- 1.4	22.4	20.4	..	2	17	0	0	2	0	0	0	0	0
KESHOD	32.3	+1.4	35.7	04	25.6	+0.4	21.7	21	185.0	473.8	- 44.5	107.2	22	12	- 1.6	32.7	24.8	-2.4	0	18	0	0	2	0	0	0	0	0
MAHUVA	32.5	..	35.4	06	..	..	..	..	138.6	720.0	+453.1	109.8	21	12	+ 0.2	18.3	15.6	..	0	16	0	0	0	0	0	0	0	0
VERAVAL	30.8	+1.3	33.5	01	26.2	0.0	23.9	22	130.1	366.7	+146.7	88.4	21	12	+ 2.3	30.6	31.5	+2.9	0	19	0	0	1	0	0	0	1	0
DIU	30.7	..	33.0	15	26.0	..	23.6	28	74.6	396.6	..	104.6	16	10	..	22.0	20.2	..	4	13	0	0	1	0	0	0	0	0
KONKAN (INCLUDING GOA)																												
DAHANU	30.1	+0.4	32.3	06	..	..	..	..	166.4	414.6	-472.3	107.0	16	22	- 1.5	28.4	25.5	+0.2	0	27	0	0	0	0	0	0	0	0
BOMBAY (SANTACRUZ)	30.2	+0.6	31.7	05	25.5	+0.7	23.3	04	410.3	828.8	-118.6	201.4	03	28	+ 3.6	22.3	18.2	-0.8	0	31	0	0	4	0	0	0	9	0
BOMBAY	30.2	+0.4	32.1	12	25.4	+0.3	24.0	04	266.5	540.1	- 73.3	109.6	02	26	+ 3.8	15.6	14.9	+0.1	0	31	0	0	3	0	0	0	14	0
ALIBAG	29.5	+0.3	31.6	11	25.2	-0.1	23.6	29	..	778.5	+177.8	150.6	03	27	+ 3.3	.	30.0	+1.2	0	31	0	0	0	0	0	0	0	0
BHIRA	27.2	..	31.6	14	21.4	..	20.3	20	1244.2	2102.6	..	156.6	19	30	..	3.8	3.3	..	0	30	0	0	0	0	0	0	0	0
HARNAI	29.0	+0.7	34.4	24	25.2	+0.5	23.1	16	429.4	1204.3	+287.1	169.4	02	30	+ 3.0	21.8	21.4	-0.7	0	31	0	0	0	0	0	0	0	0
RATNAGIRI	28.9	+0.3	32.8	26	24.5	-0.2	23.2	13	325.1	1417.7	+567.8	199.5	03	29	+ 2.8	28.4	26.5	..	0	31	0	0	0	0	0	0	0	0
DEVGARH	28.7	+0.2	30.3	09	24.2	-0.4	22.9	13	291.0	882.6	+ 91.2	99.0	13	28	+ 1.9	30.0	29.3	+0.5	0	31	0	0	0	0	0	0	0	0
VENGURLA	29.0	+0.3	30.6	08	24.3	+0.3	23.0	12	445.7	1097.7	- 50.2	148.5	12	31	+ 3.0	..	..	..	0	31	0	0	3	0	0	0	0	0
PANJIM	28.9	..	30.7	09	24.4	..	22.5	12	378.5	863.5	..	189.4	12	30	..	25.8	23.6	..	0	31	0	0	0	0	0	0	0	0
MORMUGAO	28.4	+0.4	29.8	10	24.2	+0.2	22.4	22	258.9	596.5	-241.2	92.2	02	27	+ 0.5	25.5	25.1	+2.0	1	30	0	0	0	0	0	0	0	0
DABOLIM (NAVAL AIR STN.)	..	..	..	..	..	..	..	..	361.7	747.0	..	129.4	12	28	..	16.5	15.1	..	0	31	0	0	1	0	0	0	0	0
MADHYA MAHARASHTRA																												
NANDURBAR	31.3	+0.4	35.6	13	23.9	-0.1	21.6	03	120.1	375.5	+138.5	94.4	03	16	+ 3.4	22.2	19.7	+8.3	0	20	0	0	0	0	0	0	0	0
JALGAON	32.1	0.0	37.9	13	24.0	0.0	21.6	22	134.2	279.2	+ 37.2	91.8	02	16	+ 1.5	23.2	16.7	+1.3	0	21	0	0	0	0	0	0	0	0
MALEGAON	30.7	-0.4	35.0	12	22.0	-1.0	20.2	03	14.4	52.0	- 63.1	13.8	22	6	- 1.7	16.7	13.2	0.0	0	6	0	0	0	0	0	0	0	0
DZAR	28.9	..	32.7	14	21.9	..	20.3	03	114.1	214.8	..	37.0	14	13	..	26.5	21.5	..	1	18	0	0	2	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JULY 1969 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2.5 mm. or more): Total in the month	Departure from normal
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
MADHYA MAHARASHTRA(CONTD)															
AHMADNAGAR	29.8	+0.3	37.5	13	22.0	+0.3	21.4	03	80.8	181.7	+84.2	48.5	01	8	+1.2
KHANDALA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
POONA AERODROME	27.6	..	31.1	14	20.9	..	19.8	31	157.3	236.1	..	60.8	02	15	..
POONA	28.1	-0.1	32.5	14	22.5	+0.5	21.2	31	179.5	276.2	+107.3	95.2	02	14	+1.1
JEUR	29.2	-2.1	33.7	11	22.1	+0.3	21.2	08	92.4	152.4	+45.0	56.4	03	8	+0.1
BARAMATI	30.3	+0.6	33.9	14	22.3	+0.2	21.3	29	32.4	132.8	+73.3	72.6	01	7	+1.3
SHOLAPUR	31.2	-0.2	34.6	09	22.6	+0.3	21.3	26	168.9	197.7	+88.5	106.5	03	10	+2.1
MIRAJ	28.8	+0.9	31.8	10	21.8	+0.2	20.9	28	31.8	132.2	+22.2	40.0	03	7	-2.7
KOLHAPUR	26.3	0.0	29.0	10	21.4	+0.2	20.5	03	171.7	432.3	+79.0	67.0	22	25	+6.3
NASIK	28.5	..	31.0	05	23.5	..	21.0	03	..	239.4	..	74.0	18	13	..
SANGLI	28.3	..	31.4	10	21.8	..	20.2	21	56.0	127.2	..	33.0	21	11	..
SATARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
MARATHWADA															
AURANGABAD	29.5	0.0	33.8	13	22.1	+0.3	21.4	03	128.3	236.2	+62.7	64.4	11	17	+5.3
AURANGABAD(CHIKALTHAN)	29.7	-0.4	33.6	13	20.2	-1.6	19.4	03	81.7	225.2	+49.2	56.9	15	13	+0.7
PARBHANI	31.5	-0.3	35.1	02	23.0	+0.2	22.0	21	126.6	256.0	+64.2	88.0	03	13	+1.1
NANDED	32.1	..	36.6	23	22.3	..	21.4	21	121.0	294.9	..	70.8	31	16	..
BIR	31.5	..	34.8	09	23.4	..	21.9	26	64.5	105.7	..	36.0	02	10	..
VIDARBHA															
GONDIA	30.3	-0.2	36.8	01	23.2	-1.1	22.1	21	307.8	635.3	+205.7	110.6	25	24	+6.1
NAGPUR(SONEGAON)	31.5	+0.3	38.1	01	24.0	0.0	21.9	01	..	426.4	+50.2	81.4	04	18	+1.7
AMRAOTI	31.0	+0.7	38.1	02	23.7	+0.3	22.4	04	64.4	196.2	-52.0	28.0	28	18	+4.8
AKOLA AERODROME	31.8	..	38.6	02	23.2	..	21.6	06	66.2	179.7	..	27.4	03	15	..
AKOLA	31.4	0.0	38.6	02	23.1	-0.8	21.5	21	74.2	168.3	-69.2	25.8	14	14	+1.4
BRAMHAPURI	31.3	+0.9	36.4	01	23.4	-0.4	21.5	11	169.6	528.2	-62.1	92.8	31	24	+4.9
BULDANA	28.5	-0.2	32.9	13	22.1	+0.2	20.6	03	100.3	221.1	-3.1	49.2	31	9	-4.1
YEOTMAL	30.9	+0.7	35.6	02	23.3	+0.5	21.0	04	..	372.1	+61.3	144.0	04	16	-0.7
CHANDRAPUR	31.5	+0.6	37.1	02	24.7	+0.4	22.9	23	63.9	466.4	+73.5	128.8	23	21	+3.9
PUSAD	32.5	..	38.6	02	24.1	..	22.4	25	..	153.2	..	45.2	15	14	..
SIRONCHA	31.2	-0.3	35.6	03	24.7	-0.2	22.9	29	79.0	507.5	+68.5	70.0	06	20	+1.6
WARDHA	31.8	..	37.6	01	23.4	..	21.8	04	38.6	349.0	..	71.0	15	20	..
BHANDARA	31.4	..	40.1	01	24.1	..	21.6	11	145.4	573.0	..	78.7	26	24	..
COASTAL ANDHRA PRADESH															
KALINGAPATAM	31.4	-0.2	36.2	10	24.3	-1.6	22.4	20	62.4	226.4	+88.7	76.2	14	14	+5.3
VISHAKHAPATNAM	32.3	+0.6	36.4	09	26.2	+0.2	23.9	12	55.1	136.6	+24.6	39.2	12	12	+3.6
KAKINADA	31.5	-0.3	36.0	08	25.6	+0.2	23.2	29	49.0	99.6	-91.1	29.2	26	7	-5.1
NIDADAVOLE	31.0	0.0	35.0	08	22.1	-2.8	19.4	03	67.0	204.2	-73.1	49.0	31	13	-3.0
RENTACHINTALA	34.3	+0.2	38.2	02	26.6	+1.3	24.1	29	6.0	27.0	-80.9	15.0	28	2	-6.3
GANNAVARAM	32.6	0.0	36.9	08	25.3	0.0	23.2	29	28.2	218.4	-39.9	60.0	28	14	-0.1
MASULIPATAM	32.0	-0.6	37.0	08	24.0	-1.7	22.0	26	30.6	232.2	+55.2	65.5	28	15	+3.6
ONGOLE	33.9	-0.2	38.7	11	26.3	-0.2	23.2	13	31.4	173.8	+70.2	67.0	12	8	+0.1
NELLORE	35.5	-0.1	40.3	11	27.6	+0.9	23.1	23	6.9	130.2	+59.6	47.6	12	7	+1.5
VISHAKHAPATNAM(SOLAR)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TELANGANA															
RAMGUNDAM	32.1	0.0	37.6	10	23.6	-1.1	20.6	29	55.7	307.3	+12.5	52.8	13	17	+0.6
NIZAMABAD	31.6	+1.1	36.5	02	23.6	+0.4	20.4	06	103.0	354.7	+95.4	68.6	04	16	+0.4
HANAMKONDA	31.2	0.0	34.7	08	23.1	-1.3	21.0	29	78.8	213.7	-13.9	42.4	31	16	+2.4
HAKIMPET AERODROME	29.5	..	33.1	23	21.8	..	20.3	25	72.9	147.6	..	36.1	25	10	..
BHADRACHALLAM	31.0	-0.9	35.0	08	24.8	-0.1	23.0	29	115.2	439.0	+199.9	65.2	29	19	+5.2
HYDERABAD(BEGAMPET)	30.7	+0.9	34.0	10	22.5	+0.2	20.7	25	54.0	178.1	+25.7	43.5	25	12	+0.9
KHAMMAM	31.4	-1.2	35.6	03	24.5	-0.4	22.7	30	100.5	437.2	+179.4	53.0	09	17	+3.3
MAHBUBNAGAR	29.1	-0.8	33.4	09	22.9	+0.4	21.2	29	46.2	202.6	-46.5	36.6	12	17	+1.7
RAYALASEEMA															
KURNOOL	33.2	+0.7	36.5	02	23.8	0.0	21.5	28	37.3	175.1	+69.2	50.5	28	11	+2.0
NANDYAL	33.6	..	37.5	02	25.5	..	22.0	12	23.1	205.9	..	66.4	28	11	..
ANANTAPUR	33.5	+1.1	35.8	09	24.6	+0.9	22.9	28	28.2	39.2	-12.9	14.9	14	4	+0.3
CUDDAPAH	34.4	-0.1	38.2	09	25.7	+0.1	23.1	12	37.0	149.8	+42.9	47.6	28	8	+1.1
AROGYAVARAM	31.5	+1.5	34.8	02	21.4	-0.3	19.6	12	0.0	18.4	-68.6	14.0	12	1	-5.5
TAMIL NADU(INCLUDING PONDICHERRY)															
MADRAS	35.1	+0.7	39.5	03	25.1	-0.7	21.4	26	1.7	82.5	-21.3	19.0	10	8	+0.3

SUB-DIVISION AND STATION	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	17	18	19	20a	20b	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA(CONTD)													
AHMADNAGAR	15.7	10.7	-0.8	0	13	0	0	0	0	0	0	0	0
KHANDALA	..	..	..	.	..	..	..	..	..	..	.	..	.
POONA AERODROME	..	..	..	0	22	0	0	2	0	0	0	0	0
POONA	16.7	13.1	..	2	21	0	0	1	0	0	0	0	0
JEUR	23.5	16.4	-0.6	0	9	0	0	0	0	0	0	0	0
BARAMATI	21.0	15.1	-2.1	2	12	0	0	0	0	0	0	0	0
SHOLAPUR	15.7	12.2	-0.8	1	14	0	0	1	0	0	0	0	0
MIRAJ	..	..	..	1	14	0	0	0	0	0	0	0	0
KOLHAPUR	21.5	17.5	-0.9	1	30	0	0	0	0	0	0	0	0
NASIK	..	..	..	0	18	0	0	0	0	0	0	0	0
SANGLI	26.1	19.1	..	0	20	0	0	0	0	0	0	0	0
SATARA	..	..	..	.	..	..	..	..	..	..	.	..	.
MARATHWADA													
AURANGABAD	20.0	15.2	-3.6	0	22	0	0	2	0	0	0	0	0
AURANGABAD(CHIKALTHAN)	24.0	18.2	-0.1	2	21	0	0	7	0	0	0	0	0
PARBHANI	16.5	13.3	-0.7	0	16	0	0	1	0	0	0	0	0
NANDED	11.7	10.0	..	0	22	0	0	0	0	0	0	0	0
BIR	14.0	10.0	..	0	14	0	0	0	0	0	0	0	0
VIDARBHA													
GONDIA	8.3	8.3	+2.2	0	27	0	0	6	0	0	0	0	0
NAGPUR(SONEGAON)	.	14.4	+1.2	2	24	0	0	14	0	0	0	4	0
AMRAOTI	19.6	16.6	+0.1	0	22	0	0	1	0	0	0	0	0
AKOLA AERODROME	16.5	13.5	..	1	20	0	0	4	0	0	0	0	0
AKOLA	16.2	12.2	-0.9	0	17	0	0	0	0	0	0	0	0
BRAMHAPURI	11.5	9.3	+0.4	0	26	0	0	3	0	0	0	0	0
BULDANA	13.7	11.5	-2.5	0	15	0	0	1	0	0	0	0	0
YEOTMAL	.	19.5	+2.4	0	16	0	0	0	0	0	0	0	0
CHANDRAPUR	18.0	12.7	+2.9	2	24	0	0	10	0	0	0	0	0
PUSAD	.	13.1	..	0	16	0	0	0	0	0	0	0	0
SIRONCHA	7.9	6.0	+0.3	0	25	0	0	0	0	0	0	0	0
WARDHA	15.1	11.9	..	0	23	0	0	1	0	0	0	0	0
BHANDARA	11.3	9.6	..	0	26	0	0	0	0	0	0	0	0
COASTAL ANDHRA PRADESH													
KALINGAPATAM	16.0	13.4	-0.6	0	18	0	0	4	0	0	0	0	0
VISHAKHAPATNAM	21.5	16.1	-0.4	2	14	0	0	5	0	0	0	2	0
KAKINADA	16.3	11.8	-0.5	1	12	0	0	1	0	1	0	0	0
NIDADAVOLE	18.9	13.2	-0.2	0	16	0	0	0	0	0	0	0	0
RENTACHINTALA	10.8	14.2	+0.9	0	2	0	0	0	0	0	0	0	0
GANNAVARAM	21.2	15.2	-1.0	2	18	0	0	4	0	0	0	0	0
MASULIPATAM	5.0	3.5	-9.3	0	18	0	0	1	0	0	0	0	0
ONGOLE	14.9	10.8	+0.1	0	11	0	0	3	0	0	0	0	0
NELLORE	..	..	..	1	15	0	0	0	0	0	0	0	0
VISHAKHAPATNAM(SOLAR)	..	..	..	.	..	..	..	..	..	..	.	..	.
TELANGANA													
RAMGUNDAM	10.6	9.0	+1.8	0	23	0	0	0	0	0	0	0	0
NIZAMABAD	12.6	9.0	+0.4	0	21	0	0	0	0	0	0	0	0
HANAMKONDA	7.5	8.4	-4.0	0	17	0	0	1	0	0	0	0	0
HAKIMPET AERODROME	..	..	..	1	18	0	0	0	0	0	0	0	0
BHADRACHALLAM	8.0	5.8	-2.9	0	24	0	0	1	0	0	0	0	0
HYDERABAD(BEGAMPET)	29.7	26.1	+4.0	0	19	0	0	1	0	0	0	2	0
KHAMMAM	9.2	7.5	-2.2	0	20	0	0	1	0	0	0	0	0
MAHBUBNAGAR	13.7	12.3	-2.2	0	20	0	0	0	0	0	0	0	0
RAYALASEEMA													
KURNOOL	27.8	22.0	+0.7	1	17	0	0	0	0	0	0	0	0
NANDYAL	16.8	10.9	..	0	18	0	0	1	0	0	0	0	0
ANANTAPUR	26.9	21.4	+2.5	1	8	0	0	0	0	0	0	0	0
CUDDAPAH	..	..	..	0	15	0	0	0	0	0	0	0	0
AROGYAVARAM	21.1	16.5	+2.7	0	6	0	0	0	0	0	0	0	0
TAMIL NADU(INCLUDING PONDICHERRY)													
MADRAS	14.0	11.2	+3.0	1	13	0	0	2	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JULY 1969 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with									
																			Precipitation									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	0.1 to 0.2 mm.	0.3 mm. or more	Mist or shut	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
TAMILNADU (INCLUDING PONDICHERRY)																												
MADRAS (MINAMBAKKAM)	35.3	+0.1	39.2	03	26.1	-0.2	22.6	10	19.6	153.7	+ 67.1	70.9	10	8	+ 1.3	17.1	13.0	-1.6	1	14	0	0	5	0	0	0	6	0
VELLORE	35.2	+0.9	39.0	08	25.2	-0.3	22.1	12	13.9	68.9	- 39.3	17.3	12	7	+ 0.9	14.3	13.1	+3.2	0	11	0	0	4	0	0	0	0	0
TAMBARAM AERODROME	36.3	..	40.5	03	26.3	..	23.0	10	4.6	89.2	..	31.0	10	10	..	..	..	..	0	13	0	0	10	0	0	0	0	0
TIRUPPATTUR	35.2	+2.3	38.3	07	24.3	+1.3	22.3	21	13.3	40.8	- 72.9	13.3	13	4	- 1.0	12.9	8.6	+0.2	0	4	0	0	0	0	0	0	0	0
METTUR DAM R.S	35.1	..	37.6	01	24.7	..	23.4	13	6.5	36.5	..	7.6	10	6	..	9.2	7.4	..	0	9	0	0	0	0	0	0	0	0
CUDDALORE	36.4	+1.0	40.2	03	26.5	+0.4	23.9	10	0.5	86.2	+ 19.9	35.1	09	5	- 0.2	12.3	9.6	-0.8	0	11	0	0	4	0	0	0	0	0
KALLAKKURICHCHI	35.8	+0.8	39.4	05	..	..	..	..	..	49.8	- 44.5	23.0	23	3	- 2.6	.	10.8	..	0	4	0	0	0	0	0	0	0	0
SALEM	34.6	+1.2	37.8	04	24.6	+1.0	23.1	10	11.9	35.7	- 61.6	16.0	10	5	- 2.1	..	..	..	0	9	0	0	1	0	0	0	0	0
COIMBATORE (PILAMEDU)	30.7	+0.7	34.0	09	22.1	+0.4	21.0	23	9.4	40.1	- 0.4	30.8	23	3	- 0.7	..	..	..	0	6	0	0	0	2	0	0	0	0
COIMBATORE	30.6	+1.6	33.9	08	22.4	+0.4	20.6	25	..	54.4	+ 7.4	37.4	23	4	- 1.0	.	16.0	-0.3	0	6	0	0	0	0	0	0	0	0
NAGAPATTINAM	36.0	+0.7	39.1	01	27.0	+0.7	24.3	18	10.6	18.0	- 21.1	6.5	13	3	+ 0.2	16.5	12.8	+1.5	0	4	0	0	1	0	0	0	0	0
TIRUCHCHIRAPPALLI	36.7	+1.2	39.4	05	26.7	+0.8	24.4	22	0.7	0.8	- 35.3	0.6	18	0	- 2.4	21.9	18.9	-2.5	2	1	0	0	0	0	0	0	1	0
VEDARANNIYAM	34.0	..	38.0	10	25.1	..	20.9	14	4.2	23.4	..	13.6	10	3	..	12.4	9.2	..	0	3	0	0	0	0	0	0	0	0
ATIRAMPATTINAM	34.0	..	38.0	06	26.5	..	24.2	13	24.0	43.6	..	25.2	14	3	..	18.1	12.0	..	0	4	0	0	0	0	0	0	0	0
MADURAI	36.9	+1.2	40.0	02	24.1	-1.6	21.9	24	..	4.0	- 39.7	4.0	24	1	- 1.8	.	11.1	+1.8	0	1	0	0	0	0	0	0	0	0
MADURAI AERODROME	36.2	+1.3	39.2	02	26.4	+1.0	24.0	24	0.2	2.2	- 54.5	1.6	24	0	- 3.2	23.3	18.7	+2.5	1	2	0	0	1	0	0	0	0	0
TONDI	33.9	+0.8	37.5	31	25.1	-0.7	22.5	24	0.0	17.6	- 22.5	9.8	24	2	- 0.4	22.8	14.7	-0.2	0	2	0	0	0	0	0	0	0	0
PAMBAN	32.0	+0.5	34.4	12	26.1	-0.4	24.3	24	0.0	0.0	- 10.9	0.0	..	0	- 0.8	20.2	21.6	+5.0	0	0	0	0	0	0	0	0	0	0
TUTICORIN	35.6	+1.2	38.2	07	25.4	-1.1	23.0	24	0.0	1.1	- 9.3	0.7	23	0	- 0.8	22.8	19.7	0.0	0	2	0	0	0	0	0	0	0	0
PALAYANKUTTAI	34.8	+0.4	37.3	09	26.6	+0.2	23.8	24	3.4	8.2	+ 0.3	5.1	24	1	+ 0.4	20.6	16.6	-0.9	1	5	0	0	0	0	0	0	0	0
KANNIYAKUMARI	29.8	..	34.4	10	24.0	..	21.4	24	11.0	46.2	..	10.4	30	6	..	23.5	20.8	..	0	9	0	0	0	0	0	0	0	0
PONDICHERRY	35.1	..	38.9	08	25.9	..	23.0	23	0.0	64.7	..	20.2	23	5	..	16.7	13.3	..	1	9	0	0	2	0	0	0	0	0
PORTNOVO	36.3	..	39.8	04	24.4	..	22.3	23	..	29.1	..	16.4	24	2	..	.	12.2	..	0	7	0	0	3	0	0	0	0	0
TUTICORIN H.P	35.2	..	37.7	07	26.6	..	24.3	24	0.0	0.3	..	0.3	23	0	..	25.4	21.5	..	0	1	0	0	0	0	0	0	0	0
COASTAL MYSORE																												
KARWAR	28.9	+0.9	30.4	09	24.3	+0.3	22.5	21	225.4	899.5	-105.9	112.4	12	27	- 0.6	11.8	10.5	..	1	30	0	0	0	0	0	0	0	0
HONAVAR	28.3	+0.1	30.7	08	23.6	+0.1	21.5	12	370.7	1190.6	+116.7	164.4	12	31	+ 1.5	..	..	..	0	31	0	0	4	0	0	0	0	0
MANGALORE (BAJPE)	28.1	+0.3	30.3	04	22.8	+0.1	21.7	24	458.6	1241.3	- 98.1	197.5	14	29	+ 0.4	11.0	8.2	-1.9	0	31	0	0	5	0	0	0	0	0
MANGALORE	28.8	+0.3	31.2	02	..	..	..	..	331.6	938.2	- 81.4	110.7	13	28	+ 0.4	12.5	9.9	+0.5	0	30	0	0	1	0	0	0	0	0
MANGALORE H.P	28.6	..	30.9	03	23.5	..	22.2	14	361.8	967.1	..	138.2	14	28	..	11.7	9.7	..	0	31	0	0	5	0	0	0	17	0
INTERIOR MYSORE NORTH																												
BIDAR	29.1	+0.1	32.5	10	21.1	-0.2	16.2	16	86.6	227.2	+ 20.9	38.8	06	12	+ 0.4	28.0	25.5	+3.0	0	15	0	0	1	0	2	0	0	0
GULBARGA	31.6	+0.2	35.2	10	22.7	+0.2	21.4	29	78.6	123.4	- 12.7	33.6	04	10	+ 1.0	24.7	18.7	-1.6	0	14	0	0	0	0	0	0	0	0
BIJAPUR	30.8	+0.7	34.0	10	22.1	+0.4	21.2	28	15.0	39.2	- 19.5	6.4	06	6	+ 1.5	22.2	17.5	+2.5	0	14	0	0	0	0	0	0	0	0
RAICHUR	32.2	+0.2	35.0	09	23.1	+0.2	21.7	28	75.6	216.8	+ 98.9	64.0	15	10	+ 1.2	25.0	21.1	-0.6	0	15	0	0	3	0	0	0	0	0
BELGAUM	24.9	-0.3	28.0	10	20.6	+0.8	19.1	12	195.0	523.8	+ 72.7	80.0	22	27	+ 4.8	8.7	7.4	-7.0	1	30	0	0	0	0	0	0	0	0
BELGAUM (SAMRA)	25.3	-0.1	27.7	02	20.7	+0.6	19.3	12	115.3	266.5	- 60.4	50.5	22	18	- 2.6	25.2	20.2	-5.8	1	29	0	0	0	0	0	0	0	0
GADAG	28.7	+0.2	31.4	11	21.4	+0.2	20.5	12	27.9	43.1	- 24.5	6.6	31	7	+ 0.5	23.5	20.1	+0.5	2	17	0	0	0	0	0	0	0	0
BIDAR A.F	30.1	..	33.7	23	20.6	..	19.5	28	98.8	219.5	..	32.3	12	13	..	..	..	..	0	16	0	0	1	0	0	0	0	0
INTERIOR MYSORE, SOUTH																												
BELLARY	31.5	0.0	34.2	11	24.5	+0.5	22.8	28	12.8	23.4	- 17.2	5.2	15	5	+ 1.7	18.7	14.2	-0.6	1	10	0	0	0	0	0	0	0	0
CHITRADURGA	27.6	-0.5	30.9	10	21.2	+0.4	20.3	26	44.6	66.0	- 8.4	12.8	07	9	+ 0.4	16.4	14.4	-0.5	1	14	0	0	0	0	0	0	0	0
SHIMOGA	27.1	+0.3	30.1	09	21.1	0.0	20.0	21	127.2	225.6	- 57.2	58.8	15	15	- 3.9	8.8	5.0	-1.7	0	19	0	0	0	0	0	0	0	0
AGUMBE	23.3	..	30.5	07	20.3	..	19.2	05	1451.8	3713.3	..	282.1	23	31	..	9.3	8.2	..	0	31	0	0	1	25	0	0	0	0
HALEHONNUR	23.1	+0.4	25.7	18	17.5	-1.0	16.3	24	..	1173.6	+277.7	168.0	22	31	+ 2.9	..	..	..	0	31	0	0	0	6	0	0	0	0
HASSAN	25.4	+0.6	29.2	04	18.6	-0.3	16.8	15	67.8	191.4	+ 41.0	49.6	22	15	+ 1.5	15.6	12.2	-3.1	0	15	0	0	0	0	0	0	0	0
BANGALORE	27.9	+0.7	31.0	02	19.5	+0.3	18.4	13	9.3	77.3	- 34.0	22.7	08	6	- 2.5	14.5	13.0	-4.5	3	16	0	0	2	0	0	0	0	0
BANGALORE AERODROME	28.7	+0.9	32.1	02	18.8	-0.5	18.0	13	27.6	100.9	+ 6.5	23.8	09	10	+ 1.3	33.8	27.4	..	2	16	0	0	2	0	0	0	0	1
MYSORE	25.9	-1.4	29.5	09	20.5	+0.8	19.6	17	17.4	39.9	- 29.2	10.4	23	5	- 2.5	24.8	16.6	+2.5	0	14	0	0	0	0	0	0	0	0
YALANKA A.F	28.0	..	30.8	09	19.5	..	18.7	13	61.2	99.9	..	32.0	12	10	..	..	..	..	0	15	0	0	2	0	0	0	0	0
KERALA																												
CALICUT	29.2	+1.0	31.5	01	23.8	+0.5	21.7	25	229.8	635.0	-222.3	70.8	24	26	- 0.6	7.5	6.0	-3.2	0	27	0	0	1	0	0	0	0	0
PALGHAT	28.0	-0.1	30.6	09	22.8	+0.2	20.6	25	347.6	595.1	+ 55.3	85.7	23	27	+ 4.6	12.3	9.3	-4.0	0	30	0	0	0	0	0	0	0	0
FORT COCHIN	28.1	0.0	29.9	02	22.6	-1.1	20.8	25	264.4	893.3	+279.1	174.2	24	29	+ 4.5	10.1	9.1	-0.5	0	29	0	0	10	0	0	0	0	0
COCHIN (NAVAL AIR STATION)	28.7	..	30.7	03	23.5	..	21.8	18	265.1	926.5	..	181.1	24	27	..	10.7	8.5	..	1	29	0	0	7	0	0	0	2	0
ALLEPPEY	28.6	-0.2	31.4	01	23.5	+0.2	22.0	22	308.5	757.1	+213.3	146.2	24	27	+ 3.9	11.4	9.7	-2.3	0	28	0	0	5	0	0	0	0	0
PUNALUR	29.7	+0.1	32.4	09	21.3	-1.4	20.0	25	215.0	667.4	+255.9	95.6	24	24	+ 3.7	2.8	1.8	-2.9	0	28	0	0	0	0	0	0	0	0
TRIVANDRUM	29.0	-0.1	30.6	09	23.1	-0.1	20.6	24	93.3	222.0	- 1.0	67.2	24	14	- 1.6	14.5	10.0	-0.9	2	22	0	0	2	0	0	0	0	0
TRIVANDRUM AERODRUME	29.3	+0.1	31.3	10	23.5	+0.1	22.0	30	..	192.9	- 67.7	46.4	24	12	- 2.6	.	12.8	+3.6	4	18	0	0	1	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – JULY 1969 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	21	22	23	24	25	26	27	28
ANDAMAN SEA ISLANDS																												
AMINI	29.9	+0.6	30.9	10	26.0	+0.6	23.7	24	..	94.2	-217.7	31.5	24	10	- 6.5	.	40.7	+7.5	3	21	0	0	1	0	0	0	0	0
AGATTI	29.1	..	30.1	02	26.0	..	23.9	11	38.6	110.6	..	31.8	11	8	..	24.5	24.5	..	0	10	0	0	1	0	0	0	0	0
ANDROTH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
PORTBLAIR	30.2	+0.7	31.1	02	24.4	-0.7	21.5	24	103.9	169.9	- 68.4	35.6	05	11	- 2.9	18.7	17.9	+1.6	0	16	0	0	2	0	0	0	0	0
HILL STATIONS (EXCLUDING KASHMIR)																												
DALHOUSIE	25.4	+1.7	28.4	27	16.1	-0.7	14.0	06	131.1	300.3	-290.8	46.0	27	18	- 1.9	0.5	0.3	-2.5	0	20	0	0	0	0	0	0	0	0
DHARMASALA	27.6	+0.3	30.9	04	20.3	-0.9	15.8	01	190.2	577.3	-378.0	90.3	24	23	+ 0.7	5.1	3.3	-0.5	0	25	0	0	6	0	0	0	0	0
BHUNTAR	32.2	..	34.8	07	19.9	..	14.8	02	36.6	94.5	..	15.7	25	8	..	14.3	9.2	..	0	9	0	0	10	0	0	0	0	0
SIMLA	21.3	+0.3	25.2	06	14.4	-1.2	12.1	15	132.8	313.5	-102.6	50.6	15	18	- 2.0	3.8	3.1	+0.3	0	22	0	0	2	4	0	0	0	0
DHARMPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DHANGARTA (KANJALIA TIK)	19.0	+9.8	21.3	20	10.6	+5.7	8.1	03	..	275.4	-174.7	25.4	08	22	- 5.2	..	..	..	0	25	0	0	0	0	0	0	0	0
BADRINATH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JOSHIMATH	25.8	+0.7	30.2	05	12.2	-5.4	10.0	16	30.8	246.9	- 53.9	55.0	15	18	- 2.0	5.3	3.0	-1.7	0	21	0	0	0	0	0	0	0	0
MUSSOORIE	20.9	+0.1	23.6	05	16.0	+0.1	14.2	16	163.8	1062.7	+265.3	600.0	08	18	- 5.2	6.1	4.8	-0.8	0	19	0	0	0	0	0	0	0	0
RANIKHET (KUMAUN)	20.9	+0.4	23.8	02	13.8	-0.9	11.7	01	181.0	299.0	- 17.0	46.2	16	22	+ 4.1	6.5	7.7	-4.4	0	26	0	0	8	0	0	0	0	0
NAINITAL	21.4	0.0	24.6	23	16.4	-0.5	14.5	01	370.2	595.6	-173.8	132.0	16	23	- 0.6	8.4	5.1	-3.2	1	25	0	0	0	0	0	0	0	0
KALIMPONG	27.3	+3.2	28.7	30	17.4	-1.8	16.0	03	99.9	575.0	- 37.9	81.8	15	21	- 1.5	5.9	4.9	-2.5	0	26	0	0	0	0	0	0	0	0
DARJEELING	20.2	+0.4	23.6	21	14.7	-0.7	13.3	03	136.5	684.7	-124.8	74.7	06	25	- 0.6	2.3	1.9	-0.4	0	27	0	0	0	18	0	0	0	0
KOHIMA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SHILLONG (C.S.O.)	24.3	-0.5	26.4	22	18.0	-1.3	16.9	23	161.0	402.1	+ 43.2	110.0	09	20	+ 1.3	4.9	4.3	+0.4	0	24	0	0	3	4	0	0	0	0
CHERRAPUNJI	24.2	+2.0	27.1	21	18.5	+0.1	18.0	01	0.0	2613.9	+197.6	466.2	09	26	- 1.6	..	..	..	0	27	0	0	0	0	0	0	0	0
ABU	26.1	+1.8	31.6	01	18.3	-1.0	16.7	26	102.4	238.0	-358.7	36.8	17	11	- 7.0	11.1	8.2	-3.4	1	18	0	0	3	0	0	0	0	0
AJMER	27.0	+1.9	28.8	02	18.9	-0.1	18.0	14	78.6	260.6	-121.5	79.0	25	20	- 1.7	8.0	9.9	+1.4	0	24	0	0	0	0	0	0	0	0
PACHMARHI	25.0	+0.7	32.6	02	20.1	+0.2	18.0	30	349.0	878.6	+152.4	132.8	31	26	+ 3.6	12.7	11.9	+2.9	0	27	0	0	10	0	0	0	0	0
MAHABALESHWAR	19.5	+0.5	22.0	06	16.9	+0.2	16.4	13	1284.8	2772.7	+226.6	307.7	31	31	+ 1.0	23.2	19.9	-0.1	0	31	13	4	5	39	1	0	0	0
MERCARA	20.3	+0.1	23.4	09	13.0	-4.1	10.8	23	460.5	1325.9	+196.6	250.2	24	29	+ 0.6	19.2	18.0	+1.3	0	31	0	0	3	0	0	0	0	0
OOTACAMUND	17.1	+0.7	20.1	08	9.9	-1.0	8.0	01	53.2	174.0	- 27.2	42.4	22	11	- 4.8	17.9	11.1	+0.2	2	19	0	0	0	0	0	0	0	0
COONOOR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
KODAIKANAL	18.3	+1.2	22.5	05	11.6	+0.1	10.1	31	36.3	68.7	- 48.9	22.7	23	6	- 4.1	12.9	14.9	-1.8	3	16	0	0	2	0	0	0	0	0
MANALI	26.2	..	29.5	13	14.7	..	10.5	29	31.0	99.8	..	24.2	23	8	..	..	..	..	0	9	0	0	1	0	0	0	0	0
NEPAL																												
KATMANDU	28.5	0.0	31.2	27	20.3	+0.2	18.7	23	90.5	315.9	- 79.8	47.0	28	19	- 1.9	2.9	1.6	+0.1	1	27	0	0	9	0	0	0	0	0
SIKKIM																												
LACHEN	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
HYDROMETEOROLOGICAL OBSERVATORIES																												
DAMODAR CATCHMENT																												
TILAIYA	31.6	..	34.5	08	25.0	..	23.6	31	108.5	217.3	..	38.2	29	13	..	9.7	7.0	..	1	16	0	0	0	0	0	0	0	0
HAZARIBAGH	30.1	..	32.7	01	22.6	..	21.7	02	131.4	232.5	..	47.8	18	14	..	7.9	4.5	..	0	20	0	0	6	0	0	0	0	0
KONAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BOKARO	34.3	..	38.4	05	26.0	..	24.0	02	137.4	251.6	..	47.0	02	16	..	..	..	..	0	20	0	0	0	0	0	0	0	0
MAITHON	33.5	..	35.9	01	24.3	..	22.3	15	204.0	331.8	..	99.6	18	13	..	..	..	..	1	20	0	0	17	0	0	0	0	0
RAMGARH	32.3	..	39.2	14	23.8	..	21.6	18	132.4	203.8	..	35.2	21	17	..	..	..	..	0	23	0	0	12	0	0	0	0	0
PANCHET HILLS	32.8	..	34.8	09	26.5	..	24.8	18	84.0	175.9	..	50.2	18	14	..	7.3	5.2	..	1	20	0	0	0	0	0	0	0	0
DURGAPUR	33.4	..	35.5	01	25.7	..	24.8	01	44.4	86.6	..	16.2	20	11	..	24.4	21.1	..	0	15	0	0	0	0	0	0	0	0
MAHANADI CATCHMENT																												
GINABAHAK	30.7	..	38.9	15	22.6	..	20.9	02	..	446.8	..	39.4	21	24	..	..	..	..	0	26	0	0	1	0	0	0	0	0
HIRAKUD	31.2	..	34.7	01	25.3	..	23.6	21	190.6	564.5	..	110.0	31	24	..	6.5	6.7	..	1	27	0	0	2	0	0	0	0	0
RHEMKUND	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SONEPUR	31.1	..	33.7	01	25.2	..	23.3	31	..	618.7	..	149.3	31	17	..	.	8.3	..	1	25	0	0	0	0	0	0	0	0
KHEJRAWAN	28.5	..	32.1	13	24.6	..	21.6	03	176.7	376.2	..	61.7	28	20	..	16.2	11.3	..	2	26	0	0	7	0	0	0	0	0
NARMADA CATCHMENT																												
BAGRA TAWA	30.6	..	38.4	02	22.7	..	20.7	01	142.1	590.8	..	89.8	07	20	..	11.8	9.6	..	0	27	0	0	1	0	0	0	0	0
PUNASA	31.8	..	39.5	02	..	..	..	..	..	292.0	..	51.0	20	15	..	18.4	15.8	..	0	18	0	0	0	0	0	0	0	0
THIKRI	33.4	..	38.7	31	24.2	..	21.5	07	..	372.3	..	124.0	03	15	..	..	..	..	1	22	0	0	3	0	0	0	0	0
SABARMATI CATCHMENT																												
DAROI	35.1	..	40.6	03	25.4	..	22.2	01	..	174.2	..	40.8	17	10	..	..	..	..	0	15	0	0	0	0	0	0	0	0
JHAROL	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GANDAK CATCHMENT																												
JAMOSUM	24.9	..	28.4	23	12.7	..	11.1	02	5.0	46.7	..	13.2	28	5	..	..	..	..	0	12	0	0	0	0	0	0	0	0
KHUDI BAZAR	29.2	..	32.1	22	21.2	..	19.9	01	78.4	698.0	..	105.4	26	23	..	..	..	..	0	29	0	0	0	0	0	0	0	0
TIMURE	26.7	..	29.9	01	17.8	..	16.4	04	14.3	344.5	..	31.5	04	23	..	..	..	..	1	29	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - JULY 1969(10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
GADAK CATCHMENT(CONTD)																												
POKHARA	29.8	..	32.0	21	22.0	..	20.4	01	80.5	773.4	..	79.8	22	26	..	5.4	3.8	..	2	26	0	0	10	0	0	0	0	0
GORKHA	27.9	..	30.6	01	19.4	..	17.5	04	37.8	425.8	..	52.0	27	17	..	..	..	..	1	27	0	0	11	20	0	0	0	0
NUWAKOT	29.5	..	32.0	01	21.6	..	20.5	04	42.0	349.5	..	46.0	24	23	..	..	..	..	0	24	0	0	0	0	0	0	0	0
GHAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																												
DAILEKH	26.6	..	28.5	04	19.6	..	18.3	10	39.8	224.8	..	67.0	15	11	..	..	..	..	0	12	0	0	0	0	0	0	0	0
GHAGHARA CATCHMENT																												
SALLYANA	26.2	..	28.9	21	19.7	..	17.4	06	65.5	193.9	..	34.4	24	14	..	..	..	..	0	25	0	0	0	0	0	0	0	0
BUTWAL	32.5	..	35.4	31	24.7	..	22.9	09	236.0	549.6	..	94.6	29	24	..	..	..	..	0	26	0	0	0	0	0	0	0	0
BAGHMATI CATCHMENT																												
KATMANDU	..	SEE UNDER NEPAL				..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
KOSI CATCHMENT																												
WALUNGCHUNG GOLA	16.1	..	18.1	23	9.9	..	9.0	01	95.6	412.2	..	34.0	09	27	..	..	..	..	0	29	0	0	0	0	0	0	0	0
TAPLETHOK	28.7	..	31.7	27	18.6	..	17.8	09	83.3	720.0	..	83.3	13	28	..	..	..	..	0	28	0	0	0	0	0	0	0	0
BHOJPUR	23.7	..	26.3	21	18.6	..	17.7	15	32.2	325.4	..	104.2	09	16	..	..	..	..	0	18	0	0	0	0	0	0	0	0
TAPLEJUNG	25.1	..	26.5	04	17.6	..	15.6	01	53.2	502.3	..	70.6	23	24	..	3.5	2.4	..	0	31	0	0	1	9	0	0	0	0
OKHALDHUNGA	25.4	..	27.5	05	17.2	..	16.1	23	175.3	682.3	..	91.0	01	24	..	0.1	0.1	..	1	27	0	0	3	18	0	0	0	0
CHAINPUR	28.4	..	30.5	22	20.1	..	18.1	19	18.9	472.0	..	57.0	22	20	..	..	..	..	0	23	0	0	0	0	0	0	0	0
BARAHAKSHETRA	31.3	..	34.0	21	24.6	..	23.7	15	198.2	490.2	..	69.8	14	22	..	5.1	2.8	..	1	26	0	0	5	0	0	0	0	0
TISTA CATCHMENT																												
GANGTOK	23.7	..	27.1	22	16.9	..	15.4	02	148.6	752.3	..	64.7	08	29	..	3.6	3.0	..	0	31	0	0	4	28	0	0	0	0
GEZING	26.0	..	28.6	04	18.1	..	16.9	21	73.0	662.1	..	65.6	27	27	..	..	..	..	0	31	0	0	0	0	0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS— JULY 1969(10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs.: At station level	Mean pressure in mbs.: Departure from normal	Mean temperature in °C: Dry Bulb	Mean temperature in °C: Wet Bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.): 62 & more	Wind Speed (Km. p. h.): 20 to 61	Wind Speed (Km. p. h.): 1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAY ISLANDS																											
MAYA BANDAR	0830	28	1007.3	1004.2	-0.2	27.3	26.0	25.5	32.7	90	+ 4	6.7	+0.5	15.5	0	9	19	00	0	0	0	1	23	4	0	3	0
	1730	28	1005.3	1002.2	-0.8	27.0	25.8	25.2	32.2	91	+ 3	7.0	+0.7	16.6	0	10	19	00	0	0	0	0	23	6	0	2	0
LONG ISLAND	0830	25	1007.7	1004.8	-0.4	27.8	25.5	24.5	30.8	82	- 4	7.5	+1.3	4.3[a]	0	0	30	00	0	0	0	0	30	0	0	0	0
	1730	25	1006.4	1003.5	+0.2	27.9	25.3	24.1	30.0	80	- 6	7.1	+0.7	4.3	0	0	28	00	0	0	0	0	28	0	0	3	0
PORT BLAIR	0530	79	1006.8	997.8	..	25.6	24.5	24.0	29.8	91	..	6.6	..	12.2	0	8	19	00	0	0	0	6	18	3	0	4	0
	0830	79	1008.1	999.2	+0.1	27.4	25.6	24.8	31.4	86	+ 2	6.9	-0.1	18.0[a]	0	14	16	00	0	0	1	7	20	2	0	0	0
	1130	79	1007.2	998.3	..	28.5	26.0	24.9	31.4	81	..	6.5	..	23.5	0	19	12	00	1	0	1	8	20	1	0	0	0
	1430	79	1005.6	996.8	..	28.1	25.7	24.7	31.2	82	..	6.5	..	22.3	0	17	14	00	0	0	1	10	19	0	1	0	0
	1730	79	1006.0	997.1	+0.0	27.0	25.3	24.5	30.8	86	- 2	6.6	-0.7	15.1	0	10	20	00	0	0	1	5	23	1	0	1	0
	2030	79	1007.8	998.9	..	26.2	24.8	24.2	30.3	89	..	5.3	..	13.5	0	10	17	00	0	0	0	4	22	1	0	4	0
	2330	79	1007.6	998.6	..	25.9	24.9	24.4	30.5	91	..	5.8	..	15.0	0	10	19	00	0	0	0	7	18	4	0	2	0
CAR NICOBAR	0830	10	1008.9	1007.7	+0.2	28.6	26.5	25.6	32.9	84	+ 1	6.2	-0.3	4.8	0	0	29	00	0	0	0	1	28	0	0	2	0
	1730	10	1007.1	1006.0	+0.3	27.8	26.2	25.5	32.6	88	+ 2	6.6	+0.3	4.2	0	0	28	00	0	0	0	0	28	0	0	3	0
NAN CUWRY	0830	26	1009.8	1006.9	+0.2	28.1	25.7	24.7	31.2	82	- 1	5.5	-0.9	10.5	0	0	30	00	0	0	0	0	19	11	0	1	0
	1730	26	1007.8	1004.9	+0.1	27.5	25.4	24.4	30.6	83	- 1	5.3	-0.9	9.4	0	0	31	00	0	0	0	1	21	9	0	0	0
KONDUL	0830	8	1010.6	1009.7	+0.9	28.3	26.0	25.0	31.7	83	- 1	5.9	-0.5	6.9	0	2	25	00	0	26	1	0	0	0	0	4	0
	1730	8	1009.0	1008.1	+1.3	27.4	25.7	25.0	31.7	87	+ 1	6.5	+0.1	8.5	0	1	23	00	0	23	1	0	0	0	0	7	0
HUT BAY/LITTLE ANDAMAN	0830		1009.0	1008.2	..	28.4	26.5	25.8	33.2	85	..	6.8	..	10.6	0	2	29	00	0	0	0	0	30	0	1	0	0
	1730		1007.2	1006.4	..	27.6	26.0	25.2	32.1	87	..	6.5	..	8.5	0	0	30	00	0	0	0	0	28	1	1	1	0
NORTH ASSAM(INCLUDING NEFA)																											
PASIGHAT	0830	157	1002.4	984.9	-0.4	27.4	25.4	24.6	30.9	86	- 3	6.6	-0.4	3.3	0	0	23	06	2	7	3	1	1	1	2	8	0
	1730	157	998.9	981.5	+0.0	28.7	26.2	25.1	32.0	82	+ 0	5.5	+0.2	1.9	0	0	16	01	0	5	0	2	3	0	5	15	0
DIBRUGARH(MOHANBARI)	0230	111	1000.6	988.1	..	25.7	25.0	24.7	31.5	94	..	6.7	..	4.6	0	0	20	02	12	1	0	2	2	1	0	11	0
	0530	111	1001.2	988.7	..	25.3	24.8	24.5	30.8	95	..	7.3	..	3.2	0	0	15	02	5	1	3	2	2	0	0	16	0
	0830	111	1002.4	989.9	-0.4	27.2	25.8	25.1	31.7	89	+ 2	7.4	+0.0	5.4	0	0	25	02	9	7	3	2	1	1	0	6	0
	1130	111	1001.3	988.9	..	29.0	26.5	25.4	32.5	82	..	6.8	..	7.0	0	1	27	04	7	5	3	0	5	1	3	3	0
	1430	111	998.6	986.3	..	30.6	26.9	25.4	32.6	75	..	6.2	..	6.1	0	0	28	02	11	4	2	1	2	5	1	3	0
	1730	111	998.3	986.0	-0.6	30.1	26.8	25.5	32.5	77	- 2	6.1	+0.4	5.0	0	0	26	04	7	5	2	1	1	4	2	5	0
	2030	111	1000.6	988.2	..	27.3	25.9	25.4	32.2	90	..	5.7	..	3.1	0	0	11	00	5	5	0	1	0	0	0	20	0
	2330	111	1001.1	988.6	..	26.3	25.4	25.0	32.0	92	..	6.5	..	4.0	0	0	17	01	8	3	0	1	1	2	1	14	0
DIGBOI	0830	152	1001.9	985.0	-1.6	29.6	27.0	25.9	33.5	81	- 6	5.8	-1.3	4.1[b]	0	0	29	08	10	2	4	1	1	3	0	0	0
	1730	152	998.4	981.6	-1.3	31.8	27.9	26.5	34.8	75	- 2	4.8	-1.4	3.8[b]	0	0	27	05	3	2	5	1	1	8	2	2	0
NORTH LAKHIMPUR	0830	102	1002.3	990.8	-0.4	27.2	25.9	25.4	32.4	90	+ 0	7.3	+0.0	5.7	0	0	26	02	11	3	1	5	1	1	0	5	2
	1130	102	1001.9	990.5	..	28.3	26.5	25.8	33.2	86	..	7.2	..	6.9[c]	0	0	18	00	1	3	0	5	4	0	0	0	5
	1430	2009	998.9	987.6	..	30.4	27.1	25.8	33.2	77	..	6.5	..	6.9	0	0	31	01	7	3	2	8	4	0	0	0	6
	1730	2009	998.3	987.0	-0.6	29.6	27.0	25.9	33.5	80	- 2	6.2	+0.5	3.7	0	0	25	02	8	3	1	4	4	1	2	6	0
	2030	2009	1000.7	989.3	..	27.7	26.6	26.2	33.9	92	..	6.2	..	3.4[d]	0	0	19	03	7	1	0	1	3	1	1	12	2
SIBSAGAR	0830	97	1002.5	991.6	+0.0	27.3	25.2	24.2	30.3	85	+ 0	6.6	-0.9	1.9[d]	0	0	12	03	1	1	1	5	0	1	0	15	0
	1730	97	998.6	987.9	+0.1	29.1	25.4	23.8	29.6	74	- 5	6.6	+0.5	1.3[d]	0	0	7	03	1	0	0	0	1	1	1	20	0
GOHPUR	0830	83	1002.1	992.9	..	27.7	26.3	25.8	33.2	90	+ 2	6.7	..	1.3	0	0	17	00	0	6	0	0	0	11	0	14	0
	1730	83	998.3	989.2	..	29.6	27.2	26.2	34.0	82	+ 0	6.0	..	1.3	0	0	17	00	0	5	1	0	0	11	0	14	0
MAJBAT	0830	120	1001.4	988.0	-0.9	28.2	26.4	25.6	32.9	86	..	3.7	-2.8	0.3	0	0	4	00	3	0	0	0	1	0	0	27	0
	1730	120	998.2	984.9	-0.4	29.8	27.0	26.1	34.0	80	..	2.6	-2.9	0.5	0	0	5	00	1	0	0	0	4	0	0	26	0
JORHAT AERODROME	0530	90	1000.4	990.4	..	26.1	25.4	25.2	32.1	95	..	7.0	..	2.6	0	0	9	00	3	1	1	1	0	2	1	22	0
	0830	90	1001.7	991.7	..	28.3	26.5	25.8	33.3	87	..	6.9	..	5.4	0	0	19	00	11	0	0	0	3	3	1	12	1
	1130	90	1000.5	990.6	..	30.6	27.4	26.0	33.7	78	..	6.4	..	7.8	0	0	23	00	15	0	0	0	3	4	1	8	0
	1730	90	997.3	987.7	..	30.2	27.1	25.9	33.3	78	..	5.8	..	3.3	0	0	10	00	5	1	0	0	0	1	3	21	0
	2330	90	1000.2	990.3	..	27.5	25.4	24.6	30.9	84	..	6.5	..	3.0	0	0	9	01	3	0	0	2	1	1	1	22	0
TANGLA	0830	78	999.5	992.3	-0.3	28.8	26.7	25.9	33.4	85	+ 0	5.7	+0.1	2.8	0	0	19	01	0	9	0	4	0	5	0	12	0
	1730	78	995.6	988.5	-0.7	30.6	27.5	26.2	34.1	78	+ 0	4.4	-0.2	1.7	0	0	12	00	0	5	0	2	0	5	0	19	0
TEZPUR	0830	79	1002.3	993.5	-0.3	27.7	26.6	26.0	33.7	91	+ 4	6.7	+0.0	2.7[e]	0	0	21	00	14	0	2	0	5	0	0	9	0
	1730	79	998.7	990.0	+0.1	30.1	27.5	26.5	34.5	81	+ 1	4.1	-1.0	1.9[e]	0	0	20	00	9	0	4	0	7	0	0	10	0
GOLAGHAT	0830	95	1002.3	991.7	-1.0	28.1	26.3	25.4	32.4	85	- 2	4.9	-2.1	1.3[d]	0	0	17	05	3	0	1	4	2	0	2	14	0
	1730	95	997.3	987.9	-1.2	31.1	27.1	25.4	32.6	73	- 5	4.1	-2.1	0.1[d]	0	0	2	01	0	1	0	0	0	0	0	25	0
RANGIA	0830	60	1002.6	995.8	..	29.5	27.0	26.0	33.6	82	+ 0	6.1	..	4.9[b]	0	0	29	03	3	5	3	1	2	9	3	0	0
	1730	60	999.3	992.6	..	30.4	27.5	26.3	34.2	79	+ 4	5.7	..	4.5[e]	0	0	25	02	1	5	2	2	0	11	2	1	0
CHAPARMUKH	0830	66	1004.1	996.7	+1.6	29.8	27.3	26.3	34.3	83	+ 0	6.6	+0.3	2.3[a]	0	0	28	01	2	4	16	4	1	0	0	2	0
	1730	66	999.9	992.7	+1.2	30.0	27.7	26.7	35.2	83	+ 1	5.8	+0.1	1.4[a]	0	0	12	00	0	0	7	2	1	0	2	6	0
GOALPARA	0830		..	..	..	..	..	..	..	..	..	6.7	+0.1	11.6	1	0	29	03	7	10	4	0	3	3	0	1	0
	1730	38	997.9	993.6	-0.8	29.9	27.3	26.1	33.8	81	+ 1	6.8	+0.6	1.8	0	0	28	01	6	6	2	5	2	5	1	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JULY ,1969(10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean Amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) [illegible] more	20 to 61	1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NORTH ASSAM (INCLUDING NEFA) (CONTD.)																											
GAUHATI(BHURJUR)	0230	54	1000.0	993.8	..	26.9	26.2	26.0	33.5	95	..	6.1	..	2.8	0	0	12	00	0	3	0	5	0	3	1	19	0
	0530	54	1000.3	994.2	..	26.7	26.1	25.8	33.2	95	..	6.8	..	2.3	0	0	11	01	1	2	1	5	0	1	0	20	0
	0830	54	1001.5	995.4	-1.2	28.8	26.9	26.2	34.0	86	+ 1	6.9	-0.1	3.8	0	0	13	00	5	0	0	0	0	2	6	18	0
	1130	54	1000.7	994.6	..	30.2	27.4	26.3	34.2	80	..	6.5	..	9.1	0	1	28	09	7	2	0	1	1	4	5	2	0
	1430	54	998.4	992.4	..	30.7	27.5	26.3	34.4	78	..	6.6	..	7.8	0	1	27	07	4	3	1	1	1	4	7	3	0
	1730	54	998.1	992.0	-1.4	29.4	27.0	25.5	33.8	83	+ 2	6.5	+0.0	3.5	0	0	16	03	3	0	0	3	1	4	2	15	0
	2030	54	1000.4	994.3	..	28.3	27.0	26.5	34.6	90	..	5.9	..	1.7	0	0	7	01	0	1	1	3	1	0	0	24	0
	2330	54	1000.8	994.7	..	27.3	26.4	26.1	33.6	93	..	6.1	..	6.5	1	0	11	02	1	1	1	5	1	0	1	19	0
DHUBRI(RUPSI)	0530	45	1000.0	994.9	..	26.4	26.0	25.8	33.3	96	..	6.7	..	5.4	0	0	29	04	9	6	4	3	2	0	1	2	0
	0830	45	1001.2	996.1	+0.4	28.4	26.7	26.0	33.6	87	+ 2	6.7	-0.1	7.2	0	0	31	01	9	7	5	6	2	0	1	0	0
	1130	45	1000.4	995.3	..	30.4	27.5	26.3	34.2	80	..	6.4	..	9.2	0	1	30	02	3	9	5	7	4	1	0	0	0
	1730	45	997.8	992.7	+0.0	30.0	27.6	26.6	34.8	82	+ 1	6.0	-0.2	5.5	0	0	29	02	3	5	3	7	7	1	1	2	0
DHUBRI	0830	35	..	..	..	28.4	26.9	26.3	34.2	89	+ 3	6.0	+0.0	4.2	0	0	21	02	13	3	2	1	0	0	0	10	0
	1730	35	..	..	..	29.3	27.2	26.4	34.5	84	- 2	6.2	+0.6	1.4	0	0	9	00	0	4	3	2	0	0	0	22	0
LUMDING	0830	149	1002.9	986.7	..	29.6	26.4	25.0	31.8	77	- 2	5.6	..	1.1	0	0	13	01	0	3	3	3	2	1	0	18	0
	1730	149	998.8	982.4	..	31.0	27.3	25.6	33.0	73	..	5.6	..	1.1	0	0	10	03	0	1	0	1	1	3	1	21	0
BOMDILLA	0830		..	..	..	16.6	15.2	14.3	16.3	87	..	7.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	16.2	15.0	14.2	16.3	88	..	7.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TAWANG	0830		..	..	..	15.3	14.5	14.0	16.1	93	..	3.3	..	2.1	0	0	23	01	0	8	0	11	0	3	0	8	0
	1730		..	..	..	11.3	10.8	10.3	12.6	94	..	3.1	..	2.1	0	0	23	01	0	3	0	16	0	3	0	8	0
TEZU	0830		..	..	..	27.6	25.5	24.6	31.0	85	..	6.2	..	0.3[b]	0	0	5	01	0	0	0	0	0	0	0	24	4
	1730		..	..	..	29.6	26.6	25.3	32.3	79	..	5.7	..	0.3	0	0	5	00	0	0	0	0	0	0	1	26	4
ALONG	0830		..	..	..	27.7	25.6	24.5	30.9	84	..	6.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	29.3	26.2	24.7	31.2	75	..	6.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
DAPORIJO	0830		..	..	..	26.6	25.6	25.1	32.2	92	..	3.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	27.5	26.3	25.8	33.5	91	..	2.6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ZIRO	0830		..	..	..	21.2	19.4	18.5	21.4	85	..	6.1	..	2.1	0	0	13	00	8	0	0	1	2	2	0	18	0
	1730		..	..	..	22.1	19.6	18.5	21.3	80	..	5.0	..	3.4[a]	0	0	17	00	0	0	1	4	8	1	3	14	0
KHONSA	0830		..	..	..	25.7	23.2	22.2	26.7	81	..	7.4	..	0.2[a]	0	0	3	00	0	0	0	0	0	0	3	27	0
	1730		..	..	..	25.1	23.2	22.5	27.3	86	..	7.4	..	0.4	0	0	5	03	0	0	2	0	0	0	0	26	0
SOUTH ASSAM(INCLUDING NAGALAND,																											
TURA	0830	370	1002.4	961.4	-1.0	26.2	25.0	24.6	30.8	91	+ 1	7.5	+0.0	3.5	0	0	22	00	3	2	1	7	3	4	2	9	0
	1730	370	998.5	957.9	-1.5	27.5	25.8	25.0	31.9	87	+ 0	6.5	-0.6	2.7	0	0	24	01	1	1	2	4	10	3	2	7	0
HAFLONG	0830	682	1006.3	928.5	+0.4	24.0	22.4	21.7	26.0	87	- 1	6.4	+0.2	2.8	0	0	31	00	0	0	0	12	19	0	0	0	0
	1730	682	997.7	924.4	-0.6	26.2	23.9	22.9	27.9	83	+ 2	5.6	-0.3	2.8	0	0	31	00	1	0	0	0	30	0	0	0	0
SILCHAR(KUMBHIRGRAM)	0530	97	1001.9	989.5	..	25.3	24.7	24.4	30.6	95	..	7.3	..	4.7	0	0	19	00	1	16	0	1	0	1	0	12	0
	0830	97	1002.8	990.5	+0.0	27.5	25.7	24.9	31.4	86	+ 1	6.8	+0.1	6.5	0	0	27	00	3	17	3	1	1	2	0	4	0
	1130	97	1001.7	989.5	..	30.0	26.4	24.9	31.5	75	..	6.5	..	6.6	0	0	26	03	4	5	1	3	3	5	2	5	0
	1730	97	999.2	987.0	-0.4	29.3	26.2	25.0	31.6	79	- 2	6.8	+0.5	5.7	0	0	21	01	0	5	1	2	5	6	1	10	0
SILCHAR	0830	29	1002.4	999.1	-0.8	27.7	26.1	25.5	32.6	88	+ 2	6.5	-0.3	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	29	998.7	995.5	-0.8	30.0	26.8	25.5	32.6	78	- 4	6.1	-0.1	0.2	0	0	2	00	0	0	0	1	0	1	0	29	0
IMPHAL(TULIHAL)	0530	781	1003.0	917.9	..	23.1	22.2	21.8	26.2	93	..	7.3	..	4.6	0	0	13	01	3	2	0	3	2	2	0	18	0
	0830	781	1003.6	919.0	-0.3	25.1	22.8	21.7	26.0	82	+ 1	7.2	+0.2	4.5	0	0	16	02	3	0	3	4	3	0	1	15	0
	1130	781	1002.1	918.4	..	27.4	23.4	21.6	25.8	71	..	6.7	..	8.5	0	1	24	01	3	1	7	7	4	2	0	6	0
	1430	781	999.6	916.1	..	28.1	23.7	21.7	26.0	69	..	6.7	..	9.5	0	0	27	02	0	3	6	5	3	3	5	4	0
	1730	781	999.6	915.9	+1.3	26.9	23.5	22.0	26.4	75	- 3	6.4	-0.2	9.0	0	1	25	02	0	2	7	3	6	2	4	5	0
	2030	781	1002.6	918.0	..	24.6	22.9	22.2	26.7	86	..	5.8	..	5.5	0	1	15	02	1	1	6	3	2	1	0	15	0
	2330	781	1003.1	918.2	..	24.0	22.8	22.3	26.9	90	..	6.9	..	3.3	0	0	11	01	3	2	1	3	0	1	0	20	0
KAILASHAHAR	0530	29	1002.1	998.8	..	25.8	25.3	25.0	31.8	96	..	6.9	..	4.8	0	0	26	01	2	3	12	6	1	0	1	5	0
	0830	29	1002.9	999.7	-0.1	28.3	26.2	25.3	32.3	84	+ 2	6.5	-0.1	7.9	0	1	29	00	3	7	8	12	0	0	0	1	0
	1130	29	1002.0	998.8	..	30.3	27.2	26.0	33.6	78	..	6.5	..	10.3	0	1	29	00	3	5	8	11	1	0	1	1	1
	1730	29	999.8	996.5	+0.0	28.9	26.8	26.0	33.6	85	+ 3	6.3	-0.5	7.2	0	0	30	03	3	2	8	10	0	0	4	1	0
AGARTALA	0230	16	999.9	998.1	..	25.9	25.2	24.9	31.5	94	..	6.5	..	10.9	0	3	28	00	1	4	23	3	0	0	0	0	0
	0530	16	1000.0	998.2	..	25.7	25.0	24.7	31.1	94	..	6.9	..	9.0	0	1	29	00	1	7	15	7	0	0	0	1	0
	0830	16	1001.0	999.2	-0.9	28.3	26.1	25.1	32.0	82	- 4	7.0	+0.1	13.7	0	7	24	00	0	8	14	9	0	0	0	0	0
	1130	16	1000.3	998.5	..	30.2	27.1	25.9	33.4	78	..	6.7	..	14.6	0	8	22	00	0	3	12	13	1	0	1	1	0
	1430	16	998.3	996.5	..	30.7	27.3	25.9	33.4	76	..	6.8	..	14.6	0	5	26	03	0	1	6	15	2	3	1	0	0
	1730	16	998.1	996.3	-0.9	28.9	26.5	25.6	32.8	82	- 1	6.7	+0.0	13.9	0	3	27	01	2	0	8	17	2	0	0	1	0
	2030	16	1000.4	998.6	..	27.0	25.8	25.2	32.1	90	..	5.9	..	10.3	0	2	26	00	0	1	14	12	1	0	0	3	0
	2330	16	1000.7	998.9	..	26.3	25.5	25.1	31.9	93	..	6.4	..	9.2	0	0	27	00	0	4	17	6	0	0	0	4	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JULY 1969 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lat. in gen. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
TUENSANG	0830		(R)																								
	1730		(R)																								
MOKOKCHUNG	0830		(R)																								
	1730		(R)																								
SUB-HIMALAYAN WEST BENGAL																											
BAGHDOGRA	0230	131	1000.3	985.6	..	25.6	24.8	24.4	30.6	94	..	7.2	..	9.5 a	0	1	22	01	10	9	0	0	0	0	3	7	0
	0530	131	1000.1	985.3	..	25.6	25.0	24.7	31.1	95	..	7.1	..	9.0	0	2	21	02	12	6	0	0	1	0	2	8	0
	0830	131	1001.1	986.5	-0.4	27.8	25.9	25.1	31.9	86	- 1	7.0	-0.2	13.8 a	0	5	22	00	13	12	2	0	0	0	0	3	0
	1130	131	1000.7	986.1	..	29.9	26.7	25.5	32.6	78	..	6.8	..	17.3	0	9	22	01	8	15	6	0	1	0	0	0	0
	1430	131	998.3	983.9	..	31.0	27.0	25.4	32.4	72	..	6.5	..	14.9	0	5	24	00	6	9	12	1	0	1	0	2	0
	1730	131	997.7	983.2	-1.0	29.9	26.7	25.3	32.3	77	- 4	6.2	-0.3	13.3	0	4	23	00	8	11	6	2	0	0	0	4	0
	2030	131	1000.1	985.4	..	27.9	25.9	25.0	31.7	84	..	5.9	..	9.9	0	0	27	03	15	6	2	0	0	0	1	4	0
	2330	131	1000.9	986.2	..	26.6	25.4	24.8	31.3	90	..	6.8	..	10.8	0	3	21	05	11	4	3	0	0	0	1	7	0
JALPAIGURI	0830	83	1001.4	992.1	-0.1	26.7	25.5	24.9	31.6	90	+ 2	6.5	+0.2	6.4	0	1	29	05	9	13	1	1	0	0	1	1	0
	1730	83	997.8	988.7	+0.5	29.2	26.8	25.8	33.2	82	+ 1	5.5	+0.1	3.6	0	0	23	02	8	11	2	0	0	0	0	8	0
COOCH BEHAR AERODROME	0830	43	1001.6	996.8	-0.2	27.9	26.3	25.7	32.9	88	+ 2	6.7	-0.4	5.4 a	0	0	17	03	4	6	2	2	0	0	0	14	0
	1130	43	1001.0	996.3	..	29.6	27.1	26.2	34.0	83	..	6.6	..	11.0 a	0	1	24	03	2	11	7	0	0	0	0	5	2
	1730	43	998.3	993.5	-0.3	29.6	27.1	26.0	33.7	82	+ 1	6.3	-0.1	5.5	0	0	18	02	2	6	5	2	0	0	1	13	0
BALURGHAT	0830	26	999.8	996.9	..	29.5	27.3	26.4	34.5	84	..	5.9	..	3.6	0	0	30	00	1	15	6	7	1	0	0	1	0
	1730	26	997.2	994.3	..	30.3	27.5	26.4	34.5	81	..	6.0	..	4.1	0	0	29	00	0	19	4	5	1	0	0	2	0
MALDA	0830	31	1000.2	996.7	-0.3	29.0	27.0	26.2	34.0	85	+ 1	5.7	-1.1	2.3	0	0	27	00	0	11	9	6	1	0	0	4	0
	1730	31	996.8	993.3	-0.6	30.3	27.2	26.0	33.6	78	- 2	5.5	-0.6	1.7	0	0	23	00	1	7	10	5	0	0	0	8	0
GANGETIC WEST BENGAL																											
BERHAMPORE	0830	19	1000.0	997.9	-0.2	29.1	27.5	26.8	35.3	88	+ 4	7.2	+0.1	3.9 a	0	0	26	02	0	12	2	8	1	1	0	4	0
	1730	19	997.2	995.1	+0.1	29.5	27.5	26.6	34.9	84	+ 2	7.0	+0.4	2.6	0	0	17	00	1	10	1	5	0	0	0	14	0
SURI	0830		..	..	..	29.8	27.0	26.0	33.6	80	- 4	6.7	+0.0	5.2	0	0	31	01	1	16	0	12	1	0	0	0	0
ASANSOL	0230	126	997.9	983.8	..	27.1	26.0	25.6	32.7	91	..	6.4	..	3.6	0	0	17	00	1	4	6	4	0	2	0	14	0
	0530	126	998.2	984.2	..	26.9	25.9	25.5	32.6	92	..	7.1	..	3.2	0	0	20	00	1	7	5	6	0	1	0	11	0
	0830	126	999.3	985.3	-0.3	29.2	26.6	25.5	32.7	81	- 3	7.0	+0.1	5.7	0	0	28	01	4	5	10	6	1	1	0	3	0
	1130	126	998.6	984.7	..	31.5	27.3	25.6	32.8	72	..	6.6	..	6.6	0	1	29	00	5	6	7	10	0	2	0	1	0
	1430	126	996.4	982.6	..	32.1	27.4	25.6	32.8	69	..	7.0	..	6.5	0	0	30	00	6	7	8	5	2	1	1	1	0
	1730	126	996.1	982.2	-0.4	29.8	26.8	25.6	32.8	78	- 2	7.2	+0.2	5.5	0	0	29	01	4	6	7	9	1	1	0	2	0
	2030	126	998.4	984.4	..	28.3	26.3	25.5	32.6	85	..	5.9	..	4.5	0	0	21	00	1	3	4	10	3	0	0	10	0
	2330	126	998.8	984.8	..	27.7	26.3	25.7	33.1	89	..	5.7	..	4.4	0	0	24	01	2	5	7	6	1	2	0	7	0
SHANTI NIKETAN	0830	59	999.9	993.3	..	28.9	26.9	26.1	33.7	85	..	6.5	..	7.3	0	0	30	01	5	5	6	11	1	0	1	1	0
	1130	59	999.5	992.9	..	30.6	26.9	25.4	32.5	75	..	6.4	..	5.8	0	1	28	00	7	2	4	14	1	0	1	2	0
	1730	59	996.6	990.0	..	29.8	27.0	25.8	33.3	80	..	7.0	..	5.7	0	0	25	00	5	5	8	5	1	0	1	6	0
KRISHNANAGAR	0830	15	999.7	998.1	-0.6	29.1	27.2	26.4	34.4	85	+ 0	4.8	-2.0	2.8	0	0	27	00	0	8	6	12	1	0	0	4	0
	1730	15	997.8	996.2	+0.3	29.7	27.4	26.5	34.0	83	- 1	5.6	-1.0	3.5	0	1	21	01	0	5	3	12	0	1	0	9	0
PURULIA	0830	255	999.3	971.3	-1.2	28.0	25.9	25.0	31.7	84	+ 1	7.2	+0.7	5.9	0	0	30	00	4	6	9	7	1	3	0	1	0
	1730	255	996.1	968.2	-1.4	29.6	26.2	24.8	31.4	76	- 2	7.1	-0.1	5.0	0	0	29	00	2	2	13	7	3	1	1	2	0
BANKURA	0830	100	998.8	987.7	..	28.7	26.8	26.0	33.6	85	..	5.2	..	1.5	0	0	22	00	4	3	7	2	1	0	0	9	5
	1730	100	996.9	985.8	..	29.6	27.1	26.1	33.8	82	..	6.5	..	0.1	0	0	2	00	0	1	0	0	0	0	0	29	1
BURDWAN	0830	32	999.4	995.9	-0.5	29.7	27.2	26.2	34.0	81	- 4	5.0	-0.5	9.1	0	0	31	00	6	10	3	4	5	3	0	0	0
	1730	32	996.3	992.8	-0.7	30.0	27.2	26.1	33.8	80	- 2	6.0	+0.5	7.4	0	4	23	00	2	12	5	6	2	0	0	4	0
CALCUTTA (DUM DUM)	0230	6	998.0	997.3	..	27.1	26.2	25.9	33.4	93	..	5.2	..	11.7	0	2	28	00	2	7	10	8	2	1	0	1	0
	0530	6	998.3	997.6	..	26.7	26.0	25.6	32.9	94	..	6.5	..	11.9	0	2	28	00	2	10	9	4	3	2	0	1	0
	0830	6	999.4	998.7	-0.9	28.9	26.9	26.1	33.8	85	+ 2	7.2	+0.1	16.2	0	7	24	00	0	10	6	10	4	1	0	0	0
	1130	6	998.8	998.1	..	30.4	27.4	26.2	34.1	79	..	7.3	..	17.5	0	12	19	00	1	9	7	9	3	2	0	0	0
	1430	6	997.0	996.3	..	29.9	27.3	26.3	34.2	82	..	7.3	..	15.5	0	8	23	00	2	6	3	15	5	0	0	0	0
	1730	6	996.7	996.0	-0.8	28.9	27.0	26.2	34.0	86	+ 5	7.1	+0.2	14.4	0	4	27	00	1	5	9	13	2	1	0	0	0
	2030	6	998.8	998.1	..	27.8	26.6	26.1	33.8	91	..	5.5	..	12.3	0	1	28	00	0	3	12	11	1	2	0	2	0
	2330	6	999.2	998.5	..	27.4	26.4	26.0	33.7	92	..	5.9	..	11.7	0	2	26	00	1	4	12	9	2	0	0	3	0
CALCUTTA	0830	6	999.5	998.8	-0.6	29.1	26.9	26.1	33.8	84	+ 0	7.1	+0.2	9.3	0	0	31	00	4	6	10	5	3	1	0	0	0
	1130	6	998.8	998.1	..	30.8	27.5	26.2	34.1	77	..	7.0	..	9.5	0	2	29	00	2	10	6	7	3	3	0	0	0
	1730	6	996.7	996.0	-0.6	29.1	27.0	26.1	33.8	84	+ 2	6.9	+0.0	8.2 a	0	1	29	00	1	3	11	11	3	1	0	0	0
MIDNAPORE	0830	45	999.1	994.0	-0.7	29.0	26.8	26.0	33.5	84	+ 0	6.5	+0.2	5.2	0	1	29	04	3	2	4	12	3	1	0	1	1
	1730	45	996.4	991.3	-0.5	29.0	26.7	25.8	33.2	83	+ 1	6.8	+0.1	3.6	0	0	28	00	2	3	3	15	2	3	0	3	0
CONTAI	0830	11	998.9	997.7	-1.7	29.0	27.1	26.3	34.2	85	+ 0	6.8	+0.7	10.0	0	2	27	02	4	0	8	7	6	2	0	2	0
	1730	11	996.5	995.3	-1.8	29.0	27.2	26.4	34.5	86	+ 1	6.9	+0.8	14.3	0	6	24	00	1	0	9	11	5	1	1	1	2

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JULY 1969 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GANGETIC WEST BENGAL (CONTD.)																											
SAGAR ISLAND	0830	3	998.8	998.5	-1.0	29.2	27.3	26.6	34.9	86	+ 0	6.3	-0.2	20.1	0	14	17	02	4	3	7	10	4	0	1	0	0
	1730	3	996.5	996.2	-1.0	29.1	27.2	26.5	34.6	86	+ 1	6.5	+0.2	22.2	0	17	14	01	2	3	10	9	4	1	1	0	0
SAGOMEEDOS	0530	10	997.8	996.7	..	28.0	26.8	26.0	33.6	86	..	6.9	..	30.3	6	14	11	00	1	1	2	9	17	1	0	0	0
	0830	10	..	..	..	..	..	..	..	..	..	6.6	+0.4	30.8	3	17	10	01	1	1	4	5	16	1	1	1	0
	1130	10	999.0	997.9	..	29.6	27.1	26.0	33.7	81	..	6.6	..	28.1	3	18	8	01	1	2	4	5	15	1	0	2	0
	1730	10	996.7	995.6	-1.1	29.1	26.9	26.1	33.8	84	- 2	6.5	+0.4	31.2	5	13	13	00	1	1	5	8	14	1	1	0	0
	2330	10	998.8	997.7	..	28.8	27.0	26.3	34.1	86	..	.	..	31.1[a]	4	17	9	00	0	1	2	7	17	2	1	0	0
KHARAGPUR	0830		(R)																								
	1730		(R)																								
KALAIKUNDA	0830		..	..	..	29.3	27.3	26.5	34.6	83	..	6.9	..	8.2[a]	0	0	30	00	4	5	8	1	6	1	0	0	5
	1730		..	..	..	29.3	27.4	26.7	35.0	86	..	6.0	..	10.0	0	2	29	00	6	1	13	2	8	1	0	0	0
ORISSA																											
GOPALPUR	0830	54	..	..	..	..	..	..	..	..	..	6.9	+0.0	1.6[a]	0	0	17	03	4	1	3	3	3	0	0	13	0
	1730	54	996.7	990.6	-1.1	28.8	27.1	26.5	34.6	87	+ 4	7.1	+0.2	1.4	0	0	15	01	0	3	5	3	3	0	0	16	0
BHUBANESWAR	0230	230	998.0	972.3	..	25.7	25.0	24.6	31.0	94	..	7.0	..	9.2	0	0	30	00	0	1	2	4	9	10	4	1	0
	0530	230	998.2	972.5	..	25.5	24.8	24.5	30.8	95	..	7.2	..	9.3	0	4	25	01	0	2	1	7	6	9	3	2	0
	0830	230	999.4	973.8	-1.2	26.9	25.4	24.7	31.2	88	+ 1	7.4	+0.2	11.9	0	6	25	02	2	1	2	4	6	11	3	0	0
	1130	230	998.8	973.4	..	29.2	26.1	24.8	31.4	78	..	7.0	..	13.0	0	6	23	03	2	0	2	3	5	12	2	2	0
	1430	230	996.5	971.3	..	29.9	26.5	25.1	31.9	76	..	6.9	..	15.1	0	8	23	01	1	2	2	0	9	10	6	0	0
	1730	230	996.2	970.8	-1.4	28.5	26.1	25.1	32.0	82	+ 3	7.2	-0.1	12.5	0	3	28	01	2	1	1	3	9	9	5	0	0
	2030	230	998.4	972.8	..	27.0	25.7	25.2	32.0	90	..	7.0	..	10.8	0	2	28	00	0	1	2	8	12	6	1	1	0
	2330	230	999.0	973.4	..	26.8	25.3	25.0	31.6	94	..	6.9	..	9.9	0	2	28	02	1	0	1	5	13	5	3	1	0
KONJHARGARH	0830	463	1000.5	946.6	-3.1	25.5	24.1	23.4	28.9	88	+ 6	6.3	-0.3	1.9	0	0	23	05	2	1	1	3	1	9	1	8	0
	1730	463	999.1	943.4	-3.9	2[illegible]	24.[illegible]	23.8	29.6	83	+ 3	4.5	-2.9	2.8	0	0	30	01	1	2	4	5	9	8	0	1	0
BALASORE	0830		(R)																								
	1730		(R)																								
SAMBALPUR	0830	148	999.4	982.9	-1.0	27.[illegible]	25.1	24.3	30.4	85	- 2	7.2	+0.1	2.0[a]	0	0	23	00	0	0	1	0	16	5	1	7	0
	1730	148	996.2	979.8	-1.1	28.[illegible]	25.2	25.2	32.1	83	+ 1	6.1	-1.3	2.6	0	0	20	02	0	1	0	2	11	3	1	11	0
ANGUL	0830	139	999.5	984.1	-1.0	2[illegible]	25.6	24.7	31.2	83	+ 1	8.0	+1.0	..	.	..	..	00	0	0	0	0	0	0	0	0	0
	1730	139	996.7	981.3	-1.0	2[illegible]	26.2	25.0	31.6	79	+ 1	7.9	+0.6	..	.	..	..	00	0	0	0	0	0	0	0	0	0
[illegible]	0830	6	999.9	999.2	-0.6	25.[illegible]	25.9	26.2	34.0	85	+ 1	6.8	+0.4	7.4	0	1	29	02	2	4	2	8	10	0	2	1	0
	1730	6	997.0	996.2	-1.0	29.0	26.9	26.0	33.4	85	+ 2	6.5	+0.2	6.8	0	0	30	01	1	5	11	3	7	0	2	1	0
PHULBANI	0830	190	999.7	978.5	-0.7	26.9	25.6	25.0	31.7	90	+ 7	7.2	+0.1	4.6	0	0	26	00	0	0	0	11	13	0	2	5	0
	1730	190	997.1	976.0	-0.9	27.7	26.3	25.7	33.1	89	+ 8	7.6	+0.4	3.7	0	0	31	01	0	0	0	16	8	6	0	0	0
[illegible]	0830	464	998.4	947.8	..	25.[illegible]	23.8	22.8	27.8	84	..	6.4	..	1.7	0	0	14	01	0	0	0	2	5	6	0	17	0
	1730	464	996.1	945.8	..	27.0	24.[illegible]	23.5	29.0	81	..	6.2	..	1.1[a]	0	0	13	00	0	0	0	0	5	8	0	18	0
[illegible]	0830	27	1000.2	997.2	-0.3	28.[illegible]	26.3	25.4	32.4	83	+ 0	6.0	-0.6	4.4[a]	0	0	23	00	0	2	0	3	10	7	1	7	0
	1730	27	997.9	994.6	-0.[illegible]	29.4	26.5	25.2	32.0	78	- 3	5.5	-1.4	6.3	0	1	27	00	0	2	2	2	18	4	0	3	0
[illegible]	0830	211	1000.2	976.7	-1.[illegible]	26.2	24.9	24.2	30.2	89	+ 8	5.4	-0.5	2.0	0	0	31	00	0	0	5	0	22	0	4	0	0
	1730	211	997.1	973.7	-1.4	26.0	25.7	24.7	31.2	82	+ 5	5.9	+0.1	2.0	0	0	31	00	2	0	1	0	26	0	2	0	0
RAMESWAR	0230	46	998.3	993.2	..	26.4	25.7	25.3	32.3	94	..	6.5	..	12.6	0	5	21	00	1	2	2	7	10	3	1	5	0
	0530	46	998.5	993.3	..	26.3	25.7	25.4	32.6	95	..	6.7	..	10.1	0	4	18	02	0	2	2	5	6	3	2	9	0
	0830	46	999.7	994.5	-1.[illegible]	28.2	26.2	25.4	32.5	85	+ 1	6.9	+0.1	14.5	0	9	19	03	2	0	1	7	11	3	1	3	0
	1130	46	999.1	994.0	..	30.2	25.5	25.0	31.6	75	..	7.1	..	19.9	0	16	14	02	0	2	1	10	7	6	2	1	0
	1430	46	997.5	992.4	..	30.[illegible]	26.4	24.9	31.6	76	..	7.3	..	20.3	0	16	15	01	1	3	2	9	10	3	2	0	0
	1730	46	997.0	991.9	-1.5	28.[illegible]	26.2	25.1	32.1	81	+ 0	6.9	+0.0	17.0	0	10	18	00	0	2	6	9	10	1	0	3	0
	2030	46	999.2	994.0	..	27.4	26.2	25.6	32.9	90	..	5.5	..	13.1	0	6	20	00	0	3	6	4	11	1	1	5	0
	2330	46	999.5	994.3	..	27.[illegible]	25.9	25.4	32.5	92	..	6.2	..	12.9	0	5	23	02	1	1	3	8	11	1	1	3	0
PURI	0830	6	1000.6	999.9	-0.1	27.[illegible]	27.3	26.6	35.2	86	+ 3	6.7	+0.2	24.9[a]	2	15	14	01	0	1	3	2	17	3	3	0	1
	1730	6	997.7	997.1	-0.4	26.[illegible]	26.9	26.2	34.1	88	+ 3	6.5	+0.0	21.4[a]	0	13	11	00	0	0	0	0	17	3	4	0	0
GOPALPUR	0530	17	998.8	996.9	..	26.0	25.9	25.5	32.6	92	..	7.1	..	10.0	0	6	15	00	0	0	0	0	17	2	2	10	0
	0830	17	1000.2	998.3	-0.7	[illegible]	26.4	25.7	33.1	88	+ 6	7.2	+0.8	12.3	0	7	19	02	1	1	1	0	20	0	1	5	0
	1130	17	999.9	998.0	..	29.4	27.[illegible]	26.1	33.9	83	..	7.2	..	15.6	0	8	23	00	2	2	3	5	19	0	2	0	0
	1730	17	997.7	995.8	-0.[illegible]	28.4	26.7	26.0	33.7	87	+ 0	7.5	+0.1	18.0	0	10	20	01	0	1	2	4	21	1	0	1	0
	2330	17	999.9	998.0	..	27.[illegible]	26.2	25.6	32.9	90	..	6.2	..	12.0	0	8	16	00	1	0	1	0	19	1	2	7	0
KOLAPUT	0830	913	1442.7	903.7	-0.2	22.[illegible]	21.3	20.9	24.7	92	+ 2	7.9	+0.9	21.3[a]	0	15	15	01	0	0	0	0	19	7	3	0	0
	1730	913	1425.2	901.8	-0.1	22.[illegible]	21.7	21.2	25.4	92	+ 7	7.7	+0.6	21.4	0	12	19	00	0	1	1	1	24	1	3	0	0
PARADIP PORT	0830	11	999.9	999.0	..	27.7	26.3	25.7	33.1	89	..	4.4	..	29.9	1	21	9	01	0	0	3	17	8	2	0	0	0
	1730	11	997.7	996.8	..	27.[illegible]	26.2	25.6	32.9	89	..	4.3	..	33.5[a]	2	26	3	00	0	1	2	16	10	2	0	0	0
ROURKELA	0830	196	999.6	977.8	..	27.[illegible]	25.7	24.9	31.6	86	..	6.3	..	11.1[a]	0	4	20	02	[illegible]	1	2	5	4	6	1	6	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JULY (1969)(10 ASADHA - 9 SRAVANA 1891 SAKA)

Sub-division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure: At station level	Mean pressure: Departure from normal	Mean temperature in °C: Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.): 62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORISSA (CONTD.)																											
ROURKELA	1730	196	996.4	974.8	..	29.5	26.5	[illegible]	32.3	79	..	6.3	..	15.6	0	12	13	00	2	0	4	5	8	6	0	6	0
SIMANI PATNA	0830	267	..	..	..	26.9	24.9	[illegible]	30.0	85	..	5.7	..	3.5[a]	0	0	30	01	0	0	1	8	18	2	0	0	0
	1730	267	..	..	..	27.4	25.1	[illegible]	30.0	83	..	5.5	..	3.5	0	0	31	00	1	1	1	10	14	4	0	0	0
CHOTA NAGPUR PLATEAU																											
DUMKA	0830	149	999.6	983.1	-0.2	28.8	26.6	25.5	32.7	82	- 2	5.7	+0.3	5.1	0	0	31	00	4	17	6	1	1	1	1	0	0
	1730	149	996.5	979.9	-0.4	29.0	27.1	26.2	34.2	85	+ 4	5.3	-0.3	4.6	0	0	30	00	7	20	2	0	0	0	1	1	0
DALTONGANJ	0830	221	997.6	973.4	-1.3	29.5	26.6	25.3	32.3	79	+ 0	7.1	+0.7	3.9	0	0	30	00	4	0	1	0	14	1	10	1	0
	1730	221	995.5	971.2	-0.3	29.8	26.7	25.5	32.6	79	+ 2	7.2	+0.3	3.4	0	0	20	01	9	0	3	0	4	2	1	11	0
HAZARIBAGH	0830	611	..	..	..	..	..	..	..	..	..	7.0	+0.0	5.0[b]	0	0	25	00	2	7	5	5	2	2	2	4	0
	1730	611	..	..	..	..	..	..	..	..	..	6.6	-0.4	5.0	0	0	28	01	2	6	10	5	3	0	1	3	0
DHANBAD	0830	257	998.8	970.4	-0.5	27.7	26.2	25.6	32.8	88	+ 5	6.7	+0.3	4.5	0	0	28	00	2	0	24	1	0	0	0	2	1
	1730	257	995.6	967.3	..	29.3	27.0	26.1	33.8	84	..	7.3	..	4.6[a]	0	0	24	00	6	1	14	0	2	0	1	6	0
RANCHI AERODROME	0530	652	997.4	926.4	..	23.9	23.4	23.2	28.4	96	..	6.9	..	11.2	0	4	22	03	5	5	0	7	5	1	0	5	0
	0830	652	998.4	927.6	-0.8	25.3	23.9	23.3	28.7	89	+ 3	6.7	-0.5	14.3	0	4	25	02	3	8	2	6	6	1	1	2	0
	1130	652	997.6	927.4	..	27.2	24.5	23.3	28.6	80	..	6.8	..	18.0	0	10	21	02	4	8	6	5	2	3	1	0	0
	1430	652	995.5	925.6	..	27.9	24.7	23.4	28.8	77	..	6.4	..	17.1	0	6	25	01	5	9	4	5	4	1	2	0	0
	1730	652	995.3	925.0	-1.1	26.7	24.6	23.7	29.3	84	+ 1	6.4	-0.7	13.7	0	4	26	01	3	8	5	7	5	0	1	1	0
	2030	652	997.8	927.1	..	25.3	24.3	23.9	29.7	92	..	5.0	..	11.4	0	1	28	01	6	3	6	8	4	1	0	2	0
JAMSHEDPUR	0830	129	999.5	985.2	-0.1	28.7	26.5	25.5	32.7	84	+ 0	6.3	-0.7	4.5	0	0	25	01	2	7	4	1	5	4	1	6	0
	1730	129	996.7	982.5	-0.6	29.6	26.9	25.8	33.3	81	+ 4	7.0	-0.1	4.2	0	0	23	01	1	7	6	3	1	3	1	8	0
JAMSHEDPUR P.B.O.	0530	142	997.7	981.9	..	26.7	25.6	25.0	31.8	91	..	7.3	..	5.0	0	0	16	00	3	8	2	1	2	0	0	15	0
	0830	142	998.9	983.1	-0.9	28.5	26.3	25.6	32.4	84	+ 1	7.1	+0.0	9.1	0	2	21	00	3	8	4	2	3	3	0	8	0
	1130	142	..	..	..	..	..	..	..	..	..	7.1	..	19.9	1	2	24	01	3	10	2	2	5	3	1	4	0
	1430	142	996.3	980.8	..	30.5	27.0	[illegible]	32.8	76	..	7.1	..	12.6	0	4	24	02	2	12	3	0	4	4	1	3	0
	1730	142	995.7	980.1	-1.1	29.5	26.7	25.0	31.6	87	+10	7.1	-0.2	11.1	1	1	22	00	3	5	11	1	2	1	1	7	0
	2030	142	998.0	982.2	..	27.8	26.2	25.6	32.8	88	..	6.6	..	5.7	0	0	21	00	3	9	5	0	2	1	1	10	0
	2330	142	998.6	982.8	..	27.4	26.2	25.8	33.2	91	..	5.8	..	7.0	0	0	23	01	1	12	4	1	2	1	1	8	0
CHAIBASA	0830	226	1004.9	979.8	+1.2	29.2	24.2	21.7	26.2	65	+10	3.3	-0.3	3.7	0	0	26	01	2	0	3	0	16	0	4	4	0
	1730		..	..	..	29.5	26.1	24.7	31.3	76	- 1	7.9	+0.6	3.9	0	0	22	00	8	0	7	0	6	0	1	9	0
BIHAR PLAINS																											
MOTIHARI	0830	66	999.8	992.4	+0.1	29.1	27.4	26.7	35.1	87	+ 4	6.6	+0.4	4.3[c]	0	0	24	01	0	22	1	0	0	0	0	2	0
	1730	66	996.4	989.1	+0.1	30.4	28.0	27.1	35.8	83	+ 4	6.2	+0.8	1.7[b]	0	0	13	02	0	8	2	1	0	0	0	16	0
PURNEA	0830	61	1000.4	993.6	-0.1	28.3	26.4	25.5	32.6	85	- 2	6.5	-0.5	5.2	0	0	30	00	0	28	1	1	0	0	0	1	0
	1730	61	996.9	990.2	-0.3	30.9	27.3	25.9	33.3	75	- 3	4.2	-1.6	3.2	0	0	28	00	1	20	7	0	0	0	0	3	0
DARBHANGA	0830	49	1000.3	994.8	+0.2	29.3	27.7	27.1	35.9	89	+ 6	7.3	+0.6	2.0	0	0	26	00	4	12	9	0	0	1	0	5	0
	1730	49	997.1	991.6	+0.4	31.0	28.4	27.4	36.5	82	+ 5	5.4	+0.1	1.4	0	0	20	00	5	8	7	0	0	0	0	11	0
MUZAFFARPUR	0830		..	..	..	28.8	27.3	26.7	35.1	88	..	6.5	..	7.0	0	0	24	00	2	20	1	0	1	0	0	2	0
	1730		..	..	..	30.9	28.2	[illegible]	34.1	81	..	4.8	..	5.6[d]	0	0	25	02	2	17	1	1	0	2	0	2	0
[illegible]A	0830	58	999.7	993.1	..	29.5	27.4	26.6	34.8	85	..	5.9	..	3.9	0	0	30	00	25	0	2	0	1	0	2	1	0
	1730	58	996.0	989.6	..	30.8	27.8	26.6	34.9	79	..	5.6	..	3.3	0	0	29	00	21	0	4	0	1	0	3	2	0
[illegible]A	0830	38	1000.3	996.0	-0.3	28.5	27.0	26.5	34.6	89	+ 4	6.8	+0.1	2.3	0	0	31	01	0	29	1	0	0	0	0	0	0
	1730	38	997.3	993.0	-0.1	30.1	27.6	26.6	34.8	82	+ 1	6.0	+0.3	2.3	0	0	29	00	2	25	1	1	0	0	0	2	0
PATNA AERODROME	0230	60	997.2	990.6	..	27.7	26.6	26.2	34.1	92	..	6.3	..	8.7	0	0	28	00	3	24	0	0	0	1	0	3	0
	0530	60	997.5	990.7	..	27.2	26.4	26.1	3.8	94	..	6.7	..	8.1	0	1	24	00	2	21	1	1	0	0	0	6	0
	0830	60	998.7	992.0	-0.8	29.0	27.1	[illegible]	[illegible]	86	+ 3	6.9	+0.3	11.7	0	2	29	00	2	22	4	0	1	0	2	0	0
	1130	60	998.3	991.7	..	31.0	27.6	25.3	34.2	77	..	7.0	..	11.5	0	0	31	01	1	21	5	1	0	0	2	0	0
	1430	60	996.3	989.6	..	31.5	27.7	25.2	34.0	74	..	6.7	..	12.0	0	4	27	01	4	18	5	1	0	0	2	0	0
	1730	60	995.1	988.5	-1.2	31.0	27.5	26.0	33.7	76	+ 1	6.5	+0.2	10.6	0	1	27	00	3	20	3	1	0	1	0	3	0
	2030	60	997.6	991.0	..	29.1	27.1	[illegible]	34.4	86	..	6.1	..	8.6	0	1	25	00	3	20	0	3	0	0	0	5	0
	2330	60	998.3	991.6	..	28.2	26.8	26.3	34.2	89	..	6.6	..	10.4	0	1	26	00	3	20	2	1	0	1	0	4	0
BHAGALPUR	0530	49	998.5	993.0	..	27.1	26.4	[illegible]	33.7	94	..	6.6	..	3.9	0	0	29	00	1	11	17	0	0	0	0	2	0
	0830	49	999.7	994.2	-1.1	29.2	[illegible]	26.5	34.6	83	- 1	6.5	-0.3	5.5	0	0	31	01	2	8	19	0	1	0	0	0	0
	1130	49	999.2	993.8	..	30.8	27.7	26.5	34.7	79	..	6.5	..	6.1	0	0	30	00	1	9	18	1	1	0	0	1	0
	1730	49	996.3	990.9	-1.3	29.9	27.4	[illegible]	34.2	82	+ 3	6.5	+0.0	6.2[a]	0	0	30	00	1	16	11	0	1	0	1	1	0
	2330	49	999.2	993.7	..	28.0	26.9	26.4	34.5	91	..	5.7	..	5.1	0	0	28	00	0	11	15	0	1	1	0	2	[illegible]
SABOUR	0830	37	999.8	995.6	-0.2	29.3	27.5	26.8	35.3	87	+ 1	6.8	-0.1	8.7	0	0	30	00	1	23	6	0	0	0	0	1	0
	1730	37	996.6	992.3	-0.3	29.9	27.6	26.8	35.2	85	+ 3	6.9	+0.2	7.7	0	0	29	01	3	19	4	0	0	0	2	2	0
JAMUI	0830		(R)																								
	1730		(R)																								
DEHRI	0830	107	998.2	986.4	-1.1	29.6	27.4	26.5	34.6	83	- 1	6.3	-0.1	2.8	0	0	31	02	3	10	13	1	1	1	0	0	0
	1730	107	995.3	983.4	-0.8	30.7	27.6	26.3	34.3	78	+ 3	6.1	-0.7	3.2	0	0	31	00	17	7	1	0	1	5	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JULY 1969 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metre	Mean pressure in mbs. At mean sea level or lst. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
FLOOD PLAINS (CONTD.)																											
GAYA	0230	116	997.5	984.6	..	27.[illegible]	26.4	26.1	33.9	94	..	6.3	..	5.3	0	0	24	01	11	5	1	2	2	2	0	7	0
	0530	116	997.8	984.8	..	26.9	26.3	26.1	33.9	95	..	6.6	..	4.9	0	0	25	02	13	5	1	0	2	1	1	6	0
	0830	116	998.9	986.0	-0.2	29.[illegible]	27.1	26.1	33.9	83	+ 4	6.8	+0.7	10.3	0	6	20	00	11	9	1	0	3	1	1	5	0
	1130	116	998.4	985.6	..	31.6	27.6	26.0	33.6	73	..	6.7	..	11.3	0	8	18	02	12	6	2	0	3	1	0	5	0
	1430	116	996.4	983.6	..	31.7	27.6	25.9	33.5	73	..	6.8	..	12.7	0	7	22	03	13	4	1	2	2	2	2	2	0
	1730	116	995.6	982.8	-0.2	30.5	27.5	26.3	34.2	79	+ 7	6.7	+0.3	10.2	0	5	20	03	9	7	1	2	2	0	1	6	0
	2030	116	997.8	984.9	..	28.4	27.0	26.4	34.4	89	..	6.5	..	7.5	0	2	20	01	12	4	1	0	2	1	1	9	0
	2330	116	998.5	985.6	..	27.6	26.7	26.4	34.4	93	..	6.6	..	5.5	0	1	20	00	14	2	1	0	3	1	0	10	0
SUPAUL	0830		..	..	..	26.7	26.3	26.1	33.9	96	..	.	..	7.4	0	0	30	00	0	30	0	0	0	0	0	1	0
	1730		..	..	..	28.2	27.3	26.9	36.0	93	..	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
UTTAR PRADESH EAST																											
KHERI	0830	147	998.8	982.4	-0.7	28.3	26.4	25.6	32.8	86	- 1	5.9	+0.2	4.8	0	0	28	00	2	23	3	0	0	0	0	3	0
	1730	147	995.4	979.3	-0.8	30.4	27.0	25.7	33.0	77	+ 1	5.1	-0.2	3.1	0	0	25	00	1	19	5	0	0	0	0	6	0
BAHRAICH	0830	124	999.3	985.5	+0.1	29.1	26.5	25.4	32.5	82	+ 1	7.3	+1.3	10.2	0	0	28	00	0	11	16	0	1	0	0	3	0
	1730	124	995.9	982.3	-0.1	31.1	26.7	24.9	31.6	71	- 2	6.7	+1.0	7.5	0	0	27	00	2	8	13	0	0	0	4	4	0
NAUTANWA	0830	99	999.5	988.8	+0.1	29.0	26.3	25.2	31.9	81	- 2	4.9	-0.6	3.8	0	0	25	00	6	13	6	0	0	0	0	6	0
	1730	99	996.4	985.4	-0.3	30.9	27.1	25.6	32.8	74	- 2	4.4	-0.2	2.8	0	0	22	00	3	10	8	0	1	0	0	9	0
HARDOI	0830	142	998.9	983.1	-0.2	28.9	27.0	26.2	34.0	86	+ 2	5.1	-0.4	2.1	0	0	18	00	2	13	1	0	1	1	0	12	0
	1730	142	995.8	980.1	-0.1	30.7	27.6	26.9	35.5	87	+13	5.2	+0.2	1.9	0	0	18	02	3	9	1	0	0	3	0	13	0
GONDA	0830	110	999.0	987.1	-0.3	29.0	27.0	26.2	34.1	85	+ 1	6.4	+0.2	2.5	0	0	23	02	0	21	0	0	0	0	0	8	0
	1730	110	996.0	983.9	-0.1	31.0	27.6	26.3	34.4	78	+ 2	5.4	-0.2	1.7	0	0	19	02	4	13	0	0	0	0	0	12	0
LUCKNOW	0830	111	998.2	985.9	-0.6	28.9	27.1	26.3	33.8	86	+ 4	5.6	-0.6	0.8	0	0	9	00	1	8	0	0	0	0	0	22	0
	1730	111	995.4	983.2	-0.2	30.9	27.2	25.6	33.0	75	- 1	5.7	+0.0	0.9	0	0	9	00	0	9	0	0	0	0	0	22	0
LUCKNOW (AMAUSI)	0230	128	997.2	985.0	..	27.2	26.2	25.9	33.4	93	..	5.3	..	5.5	0	1	19	01	5	9	2	0	0	2	1	11	0
	0530	128	997.3	985.0	..	26.8	26.2	25.9	33.4	95	..	6.3	..	5.0	0	1	18	01	7	8	0	0	1	1	1	12	0
	0830	128	998.5	984.4	-0.7	28.8	27.0	26.3	34.2	86	+ 2	6.4	-0.1	11.1	0	5	23	01	5	16	3	0	2	0	1	3	0
	1130	128	998.4	984.3	..	30.3	27.3	26.2	33.9	80	..	6.5	..	11.0	0	4	23	01	5	13	4	0	2	1	1	3	0
	1430	128	996.5	982.4	..	31.1	27.2	25.5	32.9	74	..	6.3	..	11.2	0	7	21	02	4	11	5	1	0	0	5	3	0
	1730	128	995.4	981.3	-0.6	30.7	27.1	25.7	33.0	76	+ 2	5.8	-0.4	10.1	0	4	22	04	9	5	5	0	1	1	1	5	0
	2030	128	997.1	982.9	..	28.6	26.8	26.0	33.7	86	..	5.4	..	5.4	0	1	19	00	5	8	3	2	1	0	1	11	0
	2330	128	998.1	983.8	..	27.[illegible]	26.6	26.0	33.7	89	..	5.0	..	4.8	0	0	19	01	4	10	2	0	2	0	0	12	0
FAIZABAD	0830	102	998.8	987.5	+0.1	28.7	26.9	26.2	34.1	87	+ 2	7.0	+0.7	7.2	0	0	30	00	1	21	5	1	0	2	0	1	0
	1730	102	995.7	984.5	+0.2	30.4	27.6	26.5	34.6	81	+ 6	6.4	+0.9	5.5	0	0	22	00	1	15	5	1	0	0	0	9	0
GORAKHPUR	0830	77	998.9	990.3	-0.4	28.[illegible]	26.6	25.8	33.3	86	+ 3	6.9	+0.8	1.9	0	0	24	01	1	20	1	1	0	0	0	7	0
	1730	77	995.9	987.4	-0.2	30.9	27.6	26.3	34.2	77	+ 1	5.7	+0.4	1.8	0	0	25	04	2	17	2	0	0	0	0	6	0
GORKHPUR P.B.O.	0230	78	997.6	989.9	..	28.0	26.6	26.1	33.8	89	..	5.8	..	4.7	0	0	26	01	11	8	4	0	0	1	1	5	0
	0530	78	997.8	989.0	..	27.9	26.4	25.9	33.4	89	..	6.4	..	4.5	0	0	27	06	6	10	5	0	0	0	0	4	0
	1130	78	998.7	990.0	..	29.9	27.5	26.7	34.9	83	..	7.1	..	8.6	0	1	30	01	6	12	10	0	0	2	0	0	0
	1430	78	996.9	988.3	..	30.8	27.8	26.9	35.4	80	..	6.7	..	7.3	0	0	28	00	2	11	10	1	2	1	1	3	0
	2030	78	997.6	988.9	..	29.3	27.6	27.0	35.6	88	..	5.1	..	3.9	0	0	20	01	6	9	3	0	1	0	0	11	0
	2330	78	998.4	989.6	..	28.8	27.2	26.7	35.0	88	..	5.6	..	3.9	0	0	23	04	8	8	3	0	0	0	0	8	0
KANPUR	0830	126	997.9	983.9	-0.9	28.8	26.1	24.8	31.8	82	+ 1	6.7	+1.1	7.9	0	0	27	01	4	10	5	0	0	5	2	4	0
	1730	126	995.5	981.3	-0.[illegible]	29.9	26.9	25.0	31.9	77	+ 9	6.3	+0.6	6.5	0	0	26	03	6	13	0	1	0	0	3	5	0
KANPUR (AERODROME)	0530	126	997.3	983.5	..	27.2	26.3	26.0	33.7	94	..	6.6	..	9.7	0	0	29	01	7	9	3	1	1	3	4	2	0
	0830	126	998.6	984.6	..	29.0	26.9	26.2	34.0	87	..	6.7	..	12.5	0	4	24	01	4	10	5	0	2	4	2	3	0
	1130	126	998.4	984.5	..	30.6	27.2	25.9	33.4	77	..	6.7	..	15.4	0	5	22	02	3	11	2	2	1	4	2	4	0
	1730	126	995.1	981.6	..	30.[illegible]	27.1	25.7	33.0	77	..	6.5	..	13.7	0	3	26	03	6	9	4	1	1	1	4	2	0
	2330	126	997.6	984.2	..	28.1	26.8	26.3	34.2	90	..	5.6	..	10.6	0	1	26	02	2	14	4	0	0	5	0	4	0
SULTANPUR	0830	97	998.7	987.9	-0.2	29.8	27.5	26.6	35.0	84	+ 3	6.6	+0.6	2.5	0	0	24	00	1	22	0	0	0	1	0	7	0
	1730	97	995.5	984.8	-0.1	30.[illegible]	27.4	26.1	33.8	78	+ 4	5.7	-0.2	2.3	0	0	23	00	2	20	0	1	0	0	0	8	0
AZAMGARH	0830	78	998.2	989.6	-0.8	29.[illegible]	27.0	26.3	34.2	87	+ 1	6.7	+0.5	3.2	0	0	23	02	3	16	0	0	0	2	0	8	0
	1730	78	995.5	986.9	-0.6	30.[illegible]	27.6	26.4	34.5	80	+ 0	6.2	+1.3	3.4	0	0	24	00	2	20	1	0	0	1	0	7	0
FATEHPUR	0830	114	..	..	..	28.6	27.4	26.8	35.4	91	+10	6.7	+1.0	2.8	0	0	24	00	2	13	1	0	0	8	0	7	0
	1730	114	..	..	..	30.3	28.0	27.0	35.8	85	+12	6.5	+1.1	1.7	0	0	17	00	0	10	1	1	1	4	0	14	0
BALLIA	0830	64	998.7	991.7	-0.4	29.[illegible]	27.8	27.0	35.4	88	+ 4	6.7	+0.6	2.1	0	0	28	00	3	17	7	0	0	1	0	3	0
	1730	64	996.0	988.9	-0.7	29.8	27.6	26.7	35.0	84	+12	7.0	+1.9	1.1	0	0	13	00	2	10	1	0	0	0	0	17	0
PANDA	0830	121	999.1	985.6	-0.3	28.[illegible]	26.8	26.0	33.7	86	+ 3	6.8	+1.7	1.3	0	0	20	00	6	0	3	0	11	0	0	11	0
	1730	121	995.6	983.2	+0.4	30.[illegible]	27.4	26.2	34.2	81	+ 5	7.0	+2.0	0.8	0	0	11	00	2	0	2	0	7	0	0	20	0
ALLAHABAD (BAMHRAULI)	0230	98	996.8	985.9	..	27.[illegible]	26.2	25.7	33.0	91	..	6.3	..	1.4	0	0	14	02	1	3	3	0	0	4	1	17	0
	0530	98	996.8	985.9	..	27.0	26.1	25.7	33.1	93	..	6.8	..	1.6	0	0	16	02	4	6	1	0	0	3	0	15	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JULY 1969 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																											
ALLAHABAD(BAMHRAULI)	0830	98	998.0	987.2	-0.7	28.5	26.7	26.0	33.6	87	+ 7	6.8	+0.2	4.2	0	1	25	03	3	6	4	1	2	3	4	5	0
	1130	98	997.9	987.1	..	30.7	27.3	26.0	33.7	78	..	6.5	..	5.4	0	1	26	02	4	3	4	3	3	7	1	4	0
	1430	98	996.1	985.3	..	31.2	27.5	26.0	33.7	76	..	6.7	..	5.6	0	0	28	05	7	2	3	4	1	4	2	3	0
	1730	98	995.0	984.3	-0.6	30.5	27.3	[illegible]	33.6	79	+ 8	6.7	+0.0	6.8	0	0	29	03	8	3	3	2	1	4	5	2	0
	2030	98	996.8	986.0	..	28.7	26.9	26.1	33.9	87	..	6.4	..	2.1	0	0	13	01	2	3	2	1	1	2	1	18	0
	2330	98	997.7	986.8	..	27.9	26.5	25.9	33.3	89	..	6.8	..	4.4	1	0	15	00	2	6	3	0	1	4	0	15	0
VARANASI(BABATPUR)	0530	85	997.4	987.7	..	27.2	26.5	26.3	34.0	94	..	6.4	..	6.1	0	0	22	02	8	9	0	1	0	2	0	9	0
	0830	85	998.6	989.0	-1.2	29.1	27.2	26.5	34.5	86	+ 4	6.4	+0.0	9.4	0	1	27	02	2	13	3	0	1	4	3	3	0
	1130	85	998.2	988.7	..	30.9	27.5	26.2	34.0	77	..	6.2	..	10.8	0	1	27	00	5	10	2	1	0	5	3	3	2
	1730	85	995.5	985.9	-1.4	30.4	27.3	26.1	33.8	79	+ 6	6.4	+0.2	10.8	0	0	29	02	7	9	2	0	1	5	3	2	0
	2330	85	998.1	988.4	..	27.8	26.7	26.2	34.0	91	..	5.9	..	9.3	0	1	27	00	4	14	3	0	2	5	0	3	0
VARAGAST	0830	76	998.1	989.6	-0.7	29.4	27.7	27.1	35.9	87	+ 6	7.5	+1.1	1.7	0	0	24	00	5	2	3	0	3	6	5	7	0
	1730	76	994.9	986.4	-0.8	30.8	28.3	27.2	36.2	83	+10	7.2	+0.8	2.0	0	0	27	00	9	3	1	0	3	11	0	4	0
UTTAR PRADESH WEST																											
MUKTIM	0830		..	..	..	20.0	18.1	17.0	19.5	84	- 7	5.5	..	0.6	0	0	5	00	0	0	0	0	3	2	0	26	0
	1730		..	..	..	21.0	18.5	17.3	19.8	80	- 7	5.0	..	2.8	0	0	19	01	4	4	0	0	4	5	1	12	0
TEHRI	0830		..	..	..	25.6	22.5	21.0	25.1	76	- 6	5.4	-1.0	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1130		..	..	..	28.3	22.6	19.8	23.3	61	..	5.8	..	2.2	0	0	21	01	1	2	5	6	4	1	0	10	1
	1730		..	..	..	29.9	22.7	19.2	22.4	54	- 8	5.7	+0.3	4.0	0	0	26	01	3	1	5	6	5	2	0	5	3
DEHRA DUN	0530	682	998.9	924.5	..	24.1	23.0	22.3	27.1	91	..	6.5	..	0.8	0	0	11	03	4	1	2	0	1	0	0	20	0
	0830	682	999.4	925.3	+0.1	25.4	23.7	23.0	28.2	88	+ 3	5.9	-0.4	1.5	0	0	18	06	2	3	2	2	1	1	1	13	0
	1130	682	999.0	925.6	..	28.2	24.7	23.2	28.5	75	..	6.0	..	1.7	0	0	14	00	0	1	3	6	2	2	0	17	0
	1730	682	995.8	922.8	+0.3	28.8	25.1	23.5	29.0	74	- 3	5.9	+0.4	2.0	0	0	19	01	0	1	1	2	5	7	2	12	0
	2330	682	999.0	925.1	..	25.7	24.3	23.6	29.2	88	..	5.2	..	1.0	0	0	5	04	0	0	0	1	0	0	0	26	0
MANSIARI	0830		(R)																								
	1730		(R)																								
ROORKEE	0830	274	999.9	969.6	+1.0	28.1	25.5	24.2	30.3	80	+ 0	4.5	-1.2	1.4	0	0	21	00	2	0	19	0	0	0	0	10	0
	1730	274	996.2	966.3	+0.6	31.9	26.8	24.6	31.0	67	- 1	3.7	-1.5	1.3	0	0	20	00	0	0	19	0	0	0	1	11	0
MAJHRABAD	0830	270	999.5	969.8	+0.1	28.0	25.7	24.7	31.2	83	+ 0	5.4	+0.4	5.3	0	0	28	00	0	17	11	0	0	0	0	3	0
	1730	270	996.5	967.2	-0.1	31.9	27.1	25.2	32.4	70	+ 1	4.0	+0.1	5.5	0	0	24	01	0	10	11	0	0	1	1	7	0
MEERUT	0830	222	999.8	975.2	+0.6	28.0	26.2	25.4	32.5	86	+ 7	1.7	-2.3	2.8	0	0	20	00	1	10	5	0	0	1	3	11	0
BAREILLY	0830	173	999.1	980.1	+0.5	29.0	26.6	25.7	33.0	82	+ 1	6.0	+0.0	4.5	0	0	28	01	0	20	3	2	1	1	0	3	0
	1730	173	995.5	976.5	+0.0	31.3	27.5	26.0	33.7	75	+ 4	6.1	+0.2	4.1	0	0	30	04	0	18	2	0	2	3	1	1	0
BAREILLY P.b.O.	0230	172	997.6	978.5	..	27.8	26.4	25.9	33.3	89	..	4.8	..	6.3	0	0	26	01	4	14	5	0	1	0	1	5	0
	0530	172	997.7	978.5	..	27.2	25.9	25.5	32.6	91	..	6.2	..	5.2	0	0	27	01	9	11	5	0	1	0	0	4	0
	1130	172	998.7	979.8	..	30.3	27.1	26.1	33.9	79	..	6.4	..	7.5	0	1	30	02	4	9	8	3	1	2	2	0	0
	1430	172	997.1	978.0	..	31.2	27.2	25.9	33.5	75	..	6.2	..	7.7	0	1	28	01	6	12	6	0	1	2	1	2	0
	2030	172	997.0	978.0	..	29.3	26.9	26.1	33.8	83	..	5.2	..	4.8	0	0	28	01	6	7	11	0	1	1	1	3	0
	2330	172	998.2	979.1	..	28.5	26.8	26.2	34.1	88	..	5.0	..	6.0	0	0	27	03	4	10	9	0	1	0	0	4	0
[illegible]GARH	0830	187	999.6	978.1	+0.4	29.0	26.3	25.[illegible]	32.0	81	+ 4	5.8	+0.5	4.0	0	0	31	01	1	18	3	3	0	5	0	0	0
	1730	187	995.9	974.9	+0.1	31.6	26.9	24.9	31.7	70	+ 5	6.5	+1.2	4.4	0	0	28	04	1	11	1	5	1	5	0	3	0
[illegible]SPURI	0830	157	998.4	981.2	+0.0	28.8	26.8	25.9	33.6	85	+ 6	5.5	-0.3	2.1	0	0	20	00	0	18	1	0	0	1	0	11	0
	1730	157	995.2	978.0	-0.4	31.7	27.7	26.1	34.0	76	+ 7	6.3	+0.6	2.4	0	0	22	00	0	17	2	0	0	3	0	9	0
AGRA	0830	169	998.6	980.0	+0.1	29.1	26.4	25.3	32.4	80	+ 5	5.0	-0.3	0.5	0	0	7	00	2	0	2	0	3	0	0	24	0
	1730	169	995.4	976.9	+0.1	31.5	27.6	25.7	33.2	74	+ 8	6.7	+1.3	6.6	0	0	29	00	9	0	10	0	7	0	3	2	0
AGRA AERODROME	0230	169	997.2	978.5	..	27.8	25.5	24.5	30.9	83	..	5.2	..	9.7	0	2	25	00	0	3	6	7	3	7	1	4	0
	0530	169	997.3	978.5	..	27.3	25.7	25.0	31.7	88	..	5.8	..	10.3	0	2	27	03	1	7	5	5	3	5	0	2	0
	0830	169	998.6	980.0	..	29.2	26.6	25.5	32.7	81	..	6.1	..	11.5	0	2	27	00	0	8	5	4	2	8	2	2	0
	1130	169	998.5	980.0	..	31.9	27.2	25.2	32.2	70	..	5.9	..	12.1	0	3	26	04	3	7	6	3	0	3	3	2	0
	1730	169	995.4	976.9	..	31.9	27.0	25.1	32.0	72	..	6.4	..	14.3	0	6	24	03	1	12	3	3	1	5	2	1	0
	2330	169	997.9	979.1	..	28.5	26.2	25.1	32.0	83	..	5.3	..	10.0	0	2	28	01	0	8	6	6	3	3	3	1	0
[illegible]SAI	0830	141	998.8	983.6	-0.3	30.3	27.3	26.2	33.9	80	+ 0	6.2	+0.9	3.0	0	0	31	05	4	0	0	1	0	0	21	0	0
	1730	141	996.2	980.6	-0.3	30.3	27.0	25.6	32.7	78	+ 6	6.7	+1.4	3.4	0	0	29	06	8	3	2	3	1	2	4	2	0
JHANSI	0830	251	998.8	971.0	-0.2	28.0	25.0	23.6	29.2	78	+ 0	5.9	+0.3	0.8	0	0	11	00	0	2	0	1	0	8	0	20	0
	1730	251	995.3	967.8	-0.6	29.9	25.8	23.8	29.6	75	+ 3	6.8	+0.7	1.9	0	0	19	00	0	8	0	6	0	5	0	12	0
MORADABAD	0830		..	..	..	27.8	25.6	24.7	31.2	84	..	4.9	..	3.1	0	0	22	00	14	5	0	2	0	0	1	9	0
	1730		..	..	..	31.5	27.8	26.3	34.5	75	..	2.4	..	4.2	0	0	29	00	15	11	2	1	0	0	0	2	0
UTTAR KASHI	0830		(R)																								
	1730		(R)																								
ASCOT	0830		..	..	..	19.9	18.9	18.5	21.3	92	..	6.2	..	1.6	0	0	23	00	3	4	3	4	5	3	1	8	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS— JULY ,1969(10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs.: At station level	Mean pressure in mbs.: Departure from normal	Mean temperature in °C: Dry Bulb	Mean temperature in °C: Wet Bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.): 62 or more	Wind Speed (Km. p. h.): 20 to 61	Wind Speed (Km. p. h.): 1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST(CONTD.)																											
ASCOT	1730		..	..	..	23.3	20.9	19.9	23.3	82	..	5.5	..	1.4	0	0	22	01	2	0	1	2	7	9	0	9	0
DHARCHULA	0830		..	..	..	..	..	..	..	..	..	5.2	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730		..	..	..	..	..	..	..	..	..	5.9	..	0.3	0	0	1	00	1	0	0	0	0	0	0	30	0
HARYANA(INCLUDING DELHI AND CHANDIGARH)																											
CHANDIGARH	0830	347	998.4	959.8	-0.4	30.0	25.1	22.8	27.8	67	-10	4.1	-0.3	3.2	0	0	19	00	1	12	3	0	0	0	3	12	0
	1730	347	995.0	957.1	-0.6	31.5	28.1	26.4	28.6	74	+10	4.0	+1.4	5.2	0	2	20	01	0	13	4	0	0	2	2	9	0
AMBALA	0830	272	998.3	968.3	+0.0	29.8	24.9	22.8	29.7	86	+ 8	1.9	-2.6	14.8	1	0	21	01	4	0	10	0	1	0	6	9	0
	1730	272	994.9	965.5	+0.2	32.6	26.4	23.4	29.3	62	- 1	3.0	-0.8	1.7	0	0	24	01	1	0	15	0	1	0	6	7	0
AMBALA P.B.O	0230	278	997.1	966.5	..	28.2	25.9	25.1	32.1	83	..	4.0	..	5.9	0	1	20	00	0	0	20	0	0	0	1	10	0
	0530	278	997.3	966.5	..	27.2	25.4	24.6	31.1	85	..	5.9	..	5.3	0	0	22	00	0	1	19	1	0	0	1	9	0
	1130	278	998.5	968.1	..	31.2	27.4	26.2	34.2	76	..	6.0	..	5.2	0	0	21	00	1	1	17	1	0	0	1	10	0
	1430	278	996.6	966.3	..	32.2	27.9	26.5	34.8	72	..	5.3	..	5.5	0	0	23	01	1	1	18	0	1	0	1	8	0
	2030	278	995.7	965.4	..	30.6	27.2	26.0	33.8	77	..	3.2	..	3.5	0	0	15	00	0	1	12	2	0	0	0	16	0
	2330	278	997.2	966.6	..	29.4	26.6	25.7	33.1	81	..	2.3	..	5.4	0	0	22	00	0	2	20	0	0	0	0	9	0
AMBALA AERODROME	0530	274	997.4	967.1	..	26.7	25.1	24.4	30.2	88	..	4.8	..	37.4	1	0	22	01	2	8	11	1	0	0	0	8	0
	0830	274	998.3	968.1	..	28.3	25.9	24.8	31.4	82	..	5.4	..	12.2	0	0	30	00	3	8	16	2	0	1	0	1	0
	1130	274	998.3	968.3	..	30.8	26.6	24.9	31.5	72	..	5.3	..	13.6	0	2	27	01	0	7	16	2	0	1	1	2	1
	1730	274	995.2	965.4	..	32.1	26.8	24.5	31.0	66	..	4.3	..	11.5	0	1	27	00	0	5	14	2	0	3	3	3	1
	2330	274	997.3	967.0	..	28.5	25.6	24.3	30.6	80	..	2.5	..	10.6	0	0	25	00	1	13	10	0	0	0	1	6	0
KARNAL	0830	249	998.2	970.7	-0.3	29.0	26.1	24.8	31.3	79	+ 0	4.0	-0.9	3.0	0	0	27	00	0	5	18	1	2	1	0	4	0
	1730	249	994.9	967.8	-0.7	32.3	26.6	24.0	30.1	64	+ 2	3.4	-1.4	2.8	0	0	27	00	2	11	6	0	5	3	0	4	0
HISSAR	0530	221	996.4	972.1	..	28.8	26.9	26.2	34.0	87	..	3.7	..	6.1	0	0	27	01	0	4	15	4	1	2	0	4	0
	0830	221	997.5	973.6	-0.2	30.8	28.3	26.8	35.4	81	+10	4.1	+1.2	5.4	0	1	22	00	0	1	12	3	2	3	2	8	0
	1130	221	997.5	973.8	..	34.8	28.9	28.0	36.0	75	..	3.8	..	18.6	1	1	28	01	1	1	8	5	4	9	0	1	1
	1430	221	995.6	971.8	..	36.7	30.0	27.3	36.9	57	..	4.1	..	9.0	0	2	27	03	0	4	9	0	4	6	1	2	2
	1730	221	994.3	970.4	-0.4	35.4	29.5	27.4	37.1	66	+10	4.2	+0.9	5.0	0	0	24	00	1	9	6	2	2	2	2	7	0
	2330	221	996.7	972.5	..	30.7	27.9	26.8	35.7	80	..	2.1	..	9.0	0	0	27	01	0	7	15	2	2	0	0	4	0
NEW DELHI/SAFDARJUNG	0230	216	997.4	973.4	..	26.5	25.6	24.4	30.6	79	..	4.6	..	10.5	0	3	26	03	3	15	5	1	2	0	0	2	0
	0530	216	997.5	973.5	..	27.5	25.6	24.7	31.2	85	..	5.2	..	8.5	0	1	27	01	6	13	4	1	1	1	1	3	0
	0830	216	998.7	974.8	+0.5	29.3	26.1	24.7	31.2	77	+ 4	5.3	+0.1	12.0	0	5	25	00	3	16	4	2	3	1	1	1	0
	1130	216	998.5	974.8	..	32.3	26.5	24.0	30.0	63	..	5.0	..	13.7	0	5	26	02	5	10	2	2	1	5	3	0	1
	1430	216	996.6	973.1	..	33.6	26.9	24.0	30.0	59	..	5.5	..	13.5	0	6	25	00	11	7	2	2	0	4	5	0	0
	1730	216	995.3	971.7	+0.6	33.6	26.6	23.8	29.6	61	+ 1	4.8	-0.5	11.9	0	3	26	01	8	11	3	0	2	1	3	2	0
	2030	216	996.6	972.8	..	30.7	26.4	24.5	31.0	71	..	5.2	..	10.3	0	0	28	02	8	9	4	1	2	1	1	3	0
	2330	216	997.7	973.8	..	29.4	26.0	24.5	30.9	77	..	4.3	..	11.2	0	2	29	01	5	11	6	7	1	0	0	0	0
PALAM AERODROME	0230	233	996.1	971.5	..	27.9	25.5	24.4	30.7	81	..	4.7	..	9.5	0	2	25	02	0	10	10	3	1	0	1	4	0
	0530	233	997.5	971.7	..	27.3	25.5	24.6	31.1	86	..	5.7	..	8.3	0	1	24	01	0	9	11	2	1	1	0	5	0
	0830	233	998.6	972.8	..	29.1	26.0	24.6	31.1	78	..	5.6	..	9.8	0	3	24	00	0	6	13	2	4	2	0	4	0
	1130	233	998.3	972.9	..	32.4	26.4	23.7	29.5	62	..	5.4	..	11.9	0	6	24	02	2	7	7	3	1	3	5	1	0
	1430	233	996.5	971.3	..	33.4	26.6	23.6	29.4	59	..	5.6	..	11.5	0	3	26	03	2	9	8	1	1	2	3	2	0
	1730	233	995.0	969.9	..	32.7	26.4	23.6	29.4	61	..	5.3	..	10.4	0	3	24	02	4	11	7	0	0	0	3	4	0
	2030	233	996.5	971.1	..	30.3	26.3	24.3	30.6	73	..	5.2	..	8.9	0	2	24	01	1	6	12	1	3	0	2	5	0
	2330	233	997.6	972.0	..	29.0	25.8	24.5	30.7	79	..	4.4	..	9.4	0	2	25	01	0	7	10	6	3	0	0	4	0
GURGAON	0830		..	..	..	29.5	26.0	24.4	30.7	75	..	5.3	..	3.7	0	0	15	00	1	7	5	1	0	1	0	16	0
	1730		..	..	..	32.9	26.1	23.0	28.3	59	..	5.5	..	3.0	0	1	15	01	3	5	5	0	0	0	2	15	0
NARNAUL	0830	308	997.8	964.9	..	31.0	25.3	22.7	28.0	65	..	.	..	4.5	0	0	29	00	0	1	14	3	11	0	0	2	0
	1730	308	995.8	962.7	..	33.8	26.0	22.1	27.0	55	..	.	..	5.0	0	0	30	00	0	0	15	2	12	0	1	1	0
ROHTAK	0830		..	..	..	29.2	26.3	25.1	31.9	79	..	5.2	..	8.6	0	2	26	00	3	11	7	6	0	0	0	3	1
	1730		..	..	..	33.2	26.9	24.1	30.2	61	..	2.9	..	10.8	0	2	29	01	6	12	4	3	2	3	0	0	0
PUNJAB																											
PATHANKOT	0530	312	997.4	963.0	..	27.4	25.0	23.6	29.5	81	..	5.3	..	11.7	0	3	26	01	10	9	3	2	1	3	0	2	0
	0830	312	998.3	964.1	-0.1	29.0	25.3	23.5	29.3	75	+ 0	4.9	-0.5	14.7	1	1	29	01	10	9	4	4	1	1	1	0	0
	1130	312	998.2	964.3	..	31.7	26.1	23.4	29.2	65	..	5.1	..	13.9	0	4	26	02	3	3	1	13	4	4	0	1	0
	1730	312	994.8	961.1	-1.3	33.3	26.9	23.7	29.9	61	+ 0	4.2	-0.5	14.5	0	7	24	00	5	3	1	7	7	7	1	0	0
	2330	312	996.9	962.8	..	29.6	25.7	23.8	29.9	73	..	3.5	..	9.5	0	1	27	01	7	9	1	7	2	1	0	3	0
AMRITSAR	0530	234	997.1	971.1	..	27.4	25.2	24.3	30.5	84	..	4.4	..	6.6	0	1	23	00	2	16	6	0	0	0	0	7	0
	0830	234	998.1	972.3	-0.2	29.7	25.9	24.2	30.5	74	- 1	4.4	+0.6	12.4	0	6	22	00	2	11	10	1	1	1	2	3	0
	1130	234	997.9	972.4	..	32.7	26.7	24.1	30.2	63	..	4.5	..	14.4	1	8	15	02	1	8	9	1	1	0	2	7	0
	1430	234	996.2	970.9	..	34.6	27.2	24.0	30.1	58	..	4.1	..	9.6	0	4	24	01	4	12	5	2	1	1	2	3	0
	1730	234	994.2	969.0	-0.5	35.1	27.2	23.8	29.7	55	- 2	3.2	+0.0	9.6	0	2	27	01	3	8	8	1	2	3	3	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JULY 1969 (10 ASADHA – 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
PUNJAB (CONTD.)																											
[illegible]	2030	234	995.4	969.8	..	31.5	26.2	23.9	30.0	67	..	3.0	..	7.0	0	4	16	02	1	11	5	0	0	1	1	11	0
ADAMPUR AERODROME	0830	249	998.3	971.0	..	29.3	26.1	24.7	31.3	78	..	5.3	..	21.4	1	12	18	03	1	5	18	2	0	0	2	0	0
	1730	249	995.3	968.2	..	32.7	26.8	24.7	31.3	64	..	4.0	..	17.4	0	8	23	03	3	3	13	4	1	1	3	0	0
LUDHIANA	0830	247	998.1	971.6	+0.4	29.9	25.8	24.0	29.9	72	- 2	3.5	-1.0	5.0	0	0	27	00	2	3	21	0	1	0	0	4	0
	1730	247	994.3	967.7	-0.5	33.7	26.5	23.3	28.8	57	- 3	1.7	-2.3	4.2	0	0	28	02	3	3	15	0	2	0	3	3	0
FEROZEPUR	0830	200	998.5	976.4	+0.7	30.3	26.8	25.4	32.4	76	+ 3	4.2	+1.2	1.9	0	0	17	03	2	1	3	8	0	0	0	14	0
	1730	200	996.1	974.5	+1.7	35.6	27.7	24.4	30.6	55	- 1	2.3	-0.6	1.5	0	0	21	06	4	1	5	1	0	0	4	10	0
HALWARA AERODROME	0530	242	996.9	970.2	..	27.4	25.4	24.6	31.1	85	..	4.5	..	15.0	0	7	20	00	1	7	16	2	0	1	0	4	0
	0830	242	997.9	971.3	..	29.9	26.1	24.4	30.6	73	..	4.6	..	18.0	0	14	16	00	0	4	21	5	0	0	0	1	0
	1130	242	997.8	971.5	..	32.5	26.3	23.5	29.1	61	..	4.6	..	18.2	0	13	18	00	1	5	18	5	0	2	0	0	0
	1730	242	994.5	968.4	..	33.6	26.6	23.2	28.7	57	..	3.6	..	18.9	0	12	18	03	0	8	14	2	1	1	1	1	0
	2330	242	996.8	970.2	..	29.0	26.1	24.7	31.2	79	..	2.0	..	14.8	0	6	20	00	1	4	16	3	1	0	1	5	0
PATIALA	0830	251	998.5	970.8	-0.1	28.3	25.8	24.7	31.1	82	+ 5	5.1	+0.4	4.3	0	2	5	00	0	0	2	0	0	0	5	24	0
	1730	251	995.0	967.8	-0.3	32.8	26.6	23.9	29.9	62	+ 2	3.7	-1.1	4.8	0	0	12	00	0	0	4	0	0	0	8	19	0
BHATINDA	0830	211	997.6	974.4	..	31.7	26.5	24.0	30.0	66	- 6	2.0	-0.7	3.5	0	0	26	00	3	0	15	0	6	0	2	5	0
	1730	211	994.0	971.2	..	35.5	27.0	23.2	28.6	52	- 7	1.6	-1.2	3.7	0	0	27	01	1	5	7	4	2	2	5	4	0
HIMACHAL PRADESH																											
[illegible]	0830	761	999.0	916.6	+0.0	24.4	20.8	18.7	22.0	72	-16	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	761	996.8	915.6	+1.8	28.4	21.9	18.4	21.6	58	-15	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BILASPUR	0830	493	999.2	935.3	-0.2	26.2	24.0	23.1	28.4	85	+ 1	5.7	-0.4	0.8	0	0	5	02	0	0	1	1	0	1	0	26	0
	1730	493	995.8	933.2	+0.6	30.5	25.2	22.9	28.1	66	- 2	3.8	-1.9	3.4	0	0	17	01	3	0	3	1	6	1	2	14	0
JAMMU AND KASHMIR																											
KISGAR	0830		(R)																								
	1730		(R)																								
GILGIT	0830		(R)																								
	1730		(R)																								
SKARDU	0830		(R)																								
	1730		(R)																								
LEH	0530	3514	(R)																								
	0830	3514	3112.0	667.8	+3.2	12.1	8.8	6.3	9.6	68	+19	1.1	-2.6	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	3514	3066.6	662.0	+0.4	21.8	15.0	11.0	13.3	57	+23	1.2	-2.5	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SRINAGAR	0230	1587	1414.9	833.4	..	20.6	18.4	17.3	19.6	82	..	2.6	..	1.1	0	0	10	00	0	0	3	0	0	0	7	21	0
	0530	1587	1417.1	833.7	..	19.2	17.7	17.0	19.5	87	..	3.9	..	1.5	0	0	15	00	0	0	7	1	1	1	5	16	0
	0830	1587	1426.2	834.7	+0.3	22.7	19.0	17.6	20.5	72	- 1	3.4	-0.6	2.2	0	0	18	00	0	2	12	1	0	0	3	13	0
	1130	1587	1419.9	834.4	..	27.2	22.7	18.9	22.1	76	..	3.4	..	3.5	0	1	19	01	0	0	14	0	0	0	5	11	0
	1430	1587	1400.7	832.6	..	29.7	21.4	17.4	20.1	49	..	3.4	..	2.5	0	0	22	00	0	0	12	0	0	0	10	9	0
	1730	1587	1386.4	831.2	-0.1	28.8	21.2	17.5	20.1	52	+ 3	3.6	+0.0	2.3	0	0	19	02	0	0	6	0	3	3	5	12	0
	2030	1587	1395.1	831.8	..	24.6	20.5	18.6	21.5	70	..	2.6	..	1.5	0	0	11	00	1	0	5	0	0	1	4	20	0
	2330	1587	1409.9	833.0	..	22.4	19.3	17.8	20.8	77	..	2.5	..	1.2	0	0	10	00	0	0	6	0	1	0	3	21	0
SRINAGAR AERODROME	0530	1666	1419.5	826.0	..	18.7	16.3	14.9	17.1	79	..	4.1	..	3.8	0	1	13	01	0	0	1	4	6	2	0	17	0
	0830	1666	1426.7	827.0	..	22.9	18.0	15.5	17.7	64	..	3.7	..	5.9	0	0	22	03	1	4	2	0	3	3	4	9	2
	1130	1666	1420.5	826.7	..	26.7	19.6	16.1	18.5	53	..	3.9	..	8.8	0	0	29	05	3	1	1	8	4	5	1	2	1
	1730	1666	1390.1	824.1	..	28.6	19.3	14.4	16.9	44	..	3.6	..	7.5	0	0	26	01	2	1	3	7	5	3	4	5	0
	2330	1666	1411.3	825.5	..	21.6	17.9	15.8	18.1	70	..	2.9	..	5.1	0	0	18	00	1	0	2	1	3	7	4	13	0
GULMARG	0830	2655	3090.3	736.5	-0.2	18.2	14.0	11.1	13.4	65	-10	3.2	-0.9	2.2	0	0	26	01	8	3	5	0	2	0	7	5	0
	1730	2655	3075.6	735.2	..	20.6	15.8	12.8	15.0	63	..	4.4	..	2.4	0	0	26	00	9	1	5	1	2	0	8	5	0
QAZIGUND	0830	1690	..	..	..	20.8	17.4	15.5	17.8	73	..	3.5	..	5.9	0	0	24	00	7	8	0	5	1	3	0	7	0
	1730	1690	..	..	..	27.2	20.0	16.2	18.7	53	..	3.0	..	12.1	0	7	19	00	3	0	0	2	6	15	0	5	0
BANIHAL	0830	1630	1422.3	830.0	..	20.9	18.2	16.8	19.3	78	..	4.4	..	0.9	0	0	4	02	0	0	0	2	0	0	0	26	0
	1730	1630	1394.1	827.6	..	26.6	20.6	17.8	20.4	60	..	3.5	..	3.2	0	0	15	02	0	0	0	13	0	0	0	16	0
JAMMU	0830	366	997.1	957.2	..	28.8	24.9	22.7	28.0	70	- 1	5.0	+0.1	2.1	0	0	25	00	21	0	2	1	0	0	0	6	1
	1730	366	(R)																								
JAMMU AERODROME	0530	292	997.6	965.3	..	27.4	24.4	22.6	27.7	77	..	4.9	..	5.2	0	2	9	01	3	2	2	1	1	0	1	20	0
	0830	292	998.5	966.3	..	29.2	25.2	23.4	29.0	73	..	4.6	..	4.7	0	1	13	00	4	4	5	1	0	0	0	17	0
	1130	292	998.2	966.3	..	31.5	25.6	22.7	28.0	64	..	4.4	..	10.2	0	3	22	02	1	2	4	10	2	4	0	6	0
	1730	292	994.6	963.0	..	34.1	26.4	22.8	28.1	54	..	3.7	..	7.7	0	2	22	01	3	2	3	6	6	2	1	7	0
	2330	292	996.7	964.6	..	29.8	25.8	23.9	30.0	72	..	3.8	..	4.4	0	1	8	00	3	1	5	0	0	0	0	22	0
GULMARG (RESEARCH INSTITUTE)	0830		..	..	..	17.5	13.6	10.9	13.2	67	..	3.0	..	2.1	0	0	20	00	0	4	3	0	0	11	1	11	1
	1130		..	..	..	20.1	15.8	13.1	15.3	66	..	3.9	..	2.2	0	0	23	01	1	6	1	1	0	12	1	8	0
	1730		..	..	..	20.0	15.6	12.7	15.0	66	..	4.1	..	2.8	0	0	26	01	0	10	3	2	0	8	1	4	1

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JULY 1969 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN, WEST																											
GANGANAGAR	0530	177	995.6	976.2	..	30.2	25.1	22.6	27.7	66	..	1.7	..	2.0	0	0	16	00	0	2	5	2	6	1	0	15	0
	0830	177	996.9	977.5	-0.1	31.7	27.1	23.6	30.5	78	+14	1.6	-0.4	5.0	0	1	22	02	1	0	5	2	9	3	1	8	0
	1130	177	996.7	977.6	..	36.3	26.5	22.1	26.9	47	..	1.5	..	2.3	0	0	21	01	1	2	5	3	6	3	0	10	0
	1730	177	993.1	974.2	-1.1	38.4	26.6	21.0	25.3	40	- 7	1.8	-0.9	2.3	0	0	25	01	2	5	3	1	5	8	0	6	0
	2330	177	995.5	976.2	..	32.4	26.3	23.0	28.3	60	..	0.6	..	1.9	0	0	12	00	2	2	6	1	0	1	0	19	0
ANUPGARH	0830		(R)																								
	1730		(R)																								
CHURU	0830	291	997.9	966.1	-0.5	30.9	27.0	25.5	32.7	74	- 2	3.2	-1.5	15.9	0	14	15	01	0	3	1	2	7	15	0	2	0
	1730	291	993.7	962.5	-1.2	36.7	28.4	24.9	32.2	54	- 3	3.8	-1.7	12.7	0	6	24	05	1	7	0	0	2	9	6	1	0
BIKANER	0830	224	998.3	973.8	+0.6	31.0	25.4	22.7	27.6	62	- 5	2.8	+0.5	11.1	0	3	27	00	1	0	1	4	18	3	3	0	0
	1730	224	994.5	970.6	+0.6	37.9	25.9	20.1	23.7	38	-10	2.9	+0.0	11.6	0	4	27	00	3	1	2	5	11	5	4	0	0
BIKANER P.B.O.	0530	224	996.3	971.8	..	30.0	25.6	23.5	29.0	69	..	3.0	..	9.3	0	5	24	00	1	0	3	7	11	6	1	2	0
	1130	224	997.3	973.0	..	35.4	26.6	22.6	27.1	48	..	2.9	..	10.9	0	5	25	01	2	1	1	4	16	4	1	1	0
	1430	224	995.1	971.1	..	38.9	27.0	21.6	26.1	38	..	3.0	..	8.9	0	4	24	00	3	0	5	5	10	4	1	3	0
	2030	224	994.7	970.3	..	36.0	26.3	22.0	26.7	48	..	3.0	..	7.4	0	0	29	00	4	0	4	8	10	3	0	2	0
	2330	224	995.8	971.5	..	33.6	26.1	22.6	27.8	54	..	2.6	..	7.9	0	2	27	03	1	0	3	8	13	1	0	2	0
NAGAUR	0830	298	998.6	966.0	+1.4	30.4	26.0	23.7	29.6	70	- 1	3.1	-1.9	11.4	0	1	30	02	0	0	0	11	16	2	0	0	0
	1730	298	993.8	961.9	+0.0	36.9	27.0	22.5	27.7	46	- 6	4.1	-1.3	10.5	0	0	31	02	1	1	0	10	13	2	2	0	0
PHALODI	0830	234	999.2	973.4	+0.4	29.9	25.4	23.3	28.7	68	- 8	2.2	-2.3	16.8	0	10	21	01	1	2	0	4	18	4	1	0	0
	1730	234	995.2	970.2	-0.1	38.6	26.4	20.7	24.5	36	-15	2.9	-1.4	16.2	0	8	23	00	1	2	2	6	15	4	1	0	0
JAISALMER	0830	242	996.9	970.7	-0.6	29.0	25.4	23.9	29.7	72	- 4	0.9	-2.3	28.0	0	24	6	00	1	0	1	14	14	0	0	1	0
	1730	242	992.9	967.2	-0.7	39.2	27.3	22.1	26.7	37	-14	1.4	-2.0	19.4	0	12	18	00	2	0	1	11	16	0	0	1	0
JODHPUR	0230	224	997.0	972.4	..	31.1	24.8	21.6	26.1	59	..	3.3	..	18.5	0	9	21	00	0	1	0	0	15	11	3	1	0
	0530	224	997.5	972.8	..	29.2	24.6	22.3	27.0	67	..	4.3	..	20.2	0	13	18	00	1	0	0	2	9	18	1	0	0
	0830	224	999.2	974.4	+0.0	30.1	25.1	22.7	27.6	65	-10	4.9	-0.8	21.3	0	12	19	00	1	1	0	1	13	13	2	0	0
	1130	224	998.5	974.2	..	34.5	25.7	21.6	25.9	48	..	4.6	..	23.8	0	16	15	01	0	1	1	1	9	17	1	0	0
	1430	224	996.2	972.4	..	37.5	26.2	20.8	24.8	39	..	4.6	..	19.5	0	14	17	01	1	0	1	2	12	11	2	0	1
	1730	224	994.5	970.4	-0.7	36.5	25.8	20.5	24.4	42	-12	4.2	-1.1	19.1	0	12	18	00	0	3	2	1	11	10	3	1	0
	2030	224	995.9	971.6	..	34.6	25.4	20.8	24.8	46	..	3.6	..	18.3	0	7	23	00	0	2	0	0	1[illegible]	11	4	0	0
	2330	224	997.2	972.7	..	32.6	25.2	21.5	25.9	54	..	3.2	..	16.2	0	4	26	01	0	1	1	3	1[illegible]	[illegible]	1	1	0
BARMER	0530	194	..	..	..	..	..	..	..	..	..	3.4	..	13.9	2	0	24	02	0	0	0	0	17	6	0	5	0
	0830	194	998.7	977.1	-0.1	28.5	26.7	24.6	31.1	93	+16	3.9	-1.6	10.8	0	0	27	01	0	0	0	1	21	4	0	4	0
	1130	194	998.0	976.8	..	33.5	26.1	22.7	29.2	69	..	4.0	..	10.7	1	0	26	01	0	0	2	1	22	1	0	2	0
	1730	194	993.9	973.4	-0.6	37.5	26.9	21.4	28.4	57	+ 5	2.6	-1.8	8.5	0	2	27	00	0	0	2	1	2[illegible]	3	0	2	0
	2330	194	997.0	975.7	..	31.9	25.7	22.9	27.9	60	..	1.9	..	11.5	0	3	27	00	0	0	0	1	17	11	1	1	0
JAWAI BANDH	0830	295	999.9	967.4	+0.0	29.0	24.9	22.9	28.0	71	- 9	5.8	-0.3	3.4	0	0	24	00	0	0	2	4	12	6	0	7	0
	1730	295	995.8	964.0	-0.7	34.4	25.9	22.0	26.9	51	-15	5.9	+0.0	5.5	0	0	27	00	0	0	1	7	13	5	1	4	0
JALORE	0830		..	..	..	29.7	25.4	23.4	28.9	70	..	4.8	..	11.7	0	1	30	00	1	1	3	3	15	4	4	0	0
	1730		..	..	..	36.0	26.0	21.3	25.5	44	..	3.9	..	13.8	0	6	25	00	1	0	4	3	19	1	3	0	0
RAJASTHAN, EAST																											
PILANI	0830	301	997.9	964.9	-0.8	29.7	24.8	22.3	27.2	67	+ 2	3.5	+0.5	17.4	0	12	19	00	1	3	7	2	8	7	3	0	0
	1730	301	994.1	961.8	-0.9	35.4	25.7	20.7	24.9	47	- 4	4.8	+0.7	15.1	0	8	23	01	3	4	5	0	5	7	6	0	0
SIKAR	0830	433	998.1	950.9	-0.8	28.9	25.1	23.3	28.8	72	- 4	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	433	994.2	948.0	-0.8	34.8	25.0	19.9	23.6	46	-11	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ALWAR	0830	271	997.8	967.9	-0.4	29.7	25.7	23.9	29.8	73	- 6	4.9	-0.7	1.3	0	0	16	00	2	4	3	1	1	3	2	15	0
	1730	271	994.2	964.8	-1.1	33.1	26.3	23.2	28.7	60	- 8	6.3	+0.5	1.9	0	0	24	01	7	2	2	2	3	4	3	7	0
JAIPUR (SANGANER)	0230	390	996.8	954.1	..	27.8	24.5	22.8	28.0	77	..	4.7	..	5.6	0	1	16	01	3	4	0	2	4	3	0	14	0
	0530	390	997.0	954.3	..	27.2	24.4	23.0	28.3	79	..	4.8	..	6.3	0	0	21	00	2	2	0	1	7	8	1	10	0
	0830	390	998.1	955.5	-0.7	29.5	24.9	22.7	26.9	69	- 6	4.4	-0.7	13.0	0	11	12	01	3	2	1	0	5	11	0	8	0
	1130	390	997.7	955.5	..	32.5	25.4	22.1	26.1	57	..	4.5	..	14.0	0	11	15	00	2	2	0	1	5	13	3	5	0
	1430	390	995.6	953.7	..	34.0	25.5	21.2	25.6	51	..	5.2	..	14.5	0	7	21	02	2	4	1	2	5	10	2	3	0
	1730	390	994.8	952.4	-1.0	33.0	25.3	21.6	26.1	55	- 7	5.8	-0.1	12.6	0	8	19	00	5	3	1	1	7	6	4	4	0
	2030	390	996.0	953.6	..	30.1	25.1	22.6	27.6	67	..	6.1	..	6.8	0	1	23	00	6	2	4	2	5	4	1	7	0
	2330	390	997.3	954.7	..	28.9	24.9	23.0	28.3	73	..	5.4	..	6.3	0	1	19	00	3	5	4	0	5	2	1	10	0
DHOLPUR	0830	176	998.3	978.8	-1.1	29.3	26.3	24.9	31.7	80	+ 1	5.1	-0.6	1.6	0	0	13	00	0	4	1	0	1	5	2	18	0
	1730	176	994.9	975.6	-1.0	32.1	27.3	25.2	32.2	70	+ 1	5.6	-0.4	1.9	0	0	13	01	0	4	0	1	0	7	0	18	0
AJMER	0830	486	998.3	945.8	-0.2	28.5	24.9	23.3	28.7	74	- 1	4.0	-1.6	19.3	0	15	16	01	1	1	0	2	14	12	0	0	0
	1730	486	994.4	942.6	-0.6	34.0	26.0	22.6	27.7	54	- 5	4.1	-1.6	15.2	0	10	21	01	4	1	3	0	9	12	1	0	0
TONK	0830	272	997.7	967.8	+0.2	29.5	25.9	24.3	30.4	74	- 2	3.5	-2.6	6.1	0	0	30	01	2	1	0	2	4	17	3	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JULY 1969 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or Jt. in gms. of mount standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 41 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN, EAST (CONTD.)																											
TONK	1730	272	993.9	964.5	-0.1	33.1	26.3	23.2	28.6	59	- 5	5.0	-0.8	6.2	0	0	28	01	3	3	1	2	3	9	6	3	0
BHILWARA	0830		(R)																								
	1730		(R)																								
KOTA	0830	257	998.5	970.3	-0.6	29.6	25.9	24.2	30.3	74	+ 0	6.3	+0.3	9.0	0	4	19	07	0	0	0	0	2	10	4	8	0
	1730	257	994.9	967.4	-0.7	32.9	26.7	23.8	29.9	62	- 3	6.2	-0.3	4.7	0	1	15	02	2	0	1	1	4	3	3	15	0
KOTA AERODROME	0530	274	997.4	967.2	..	27.6	24.4	22.9	28.1	77	..	4.9	..	16.7	0	13	17	00	0	1	0	1	11	16	1	1	0
	0830	274	999.1	968.9	..	28.9	25.0	23.2	28.6	73	..	5.2	..	18.5	0	15	15	00	0	0	1	1	11	12	5	1	0
	1130	274	999.0	969.1	..	31.5	25.6	22.7	27.8	62	..	5.4	..	21.7	0	17	14	01	0	1	1	1	6	13	8	0	0
	1730	274	995.4	965.7	..	32.5	25.5	22.1	27.0	59	..	6.0	..	16.7	0	9	21	02	2	4	3	0	5	9	5	1	0
	2330	274	998.3	968.1	..	28.9	25.0	23.1	28.4	74	..	6.0	..	18.2	0	15	13	00	1	0	3	1	10	11	2	3	0
CHAMBAL (RAWAT BHATTA DAM)	0830	351	999.4	960.8	-0.2	27.9	25.3	24.1	30.2	80	- 4	4.9	-0.7	8.1	0	0	29	01	1	0	0	1	7	5	14	2	0
	1730	351	995.8	957.8	-0.6	31.7	26.8	24.7	31.3	70	- 2	5.9	+0.0	9.4	0	1	29	01	3	0	1	4	8	5	8	1	0
UDAIPUR	0230	582	998.9	936.3	..	26.5	23.6	22.3	28.2	78	..	5.5	..	5.2	0	0	24	01	0	0	0	4	7	10	2	7	0
	0530	582	999.0	935.7	..	25.9	23.0	21.7	26.4	79	..	5.7	..	3.5	0	0	19	00	1	0	0	1	8	9	0	12	0
	0830	582	1000.0	936.8	-0.1	27.2	23.5	21.9	26.3	73	- 5	5.4	-1.0	3.5	0	0	28	01	1	0	0	1	15	3	7	3	0
	1130	582	999.6	936.9	..	30.0	24.4	22.0	26.5	63	..	5.2	..	5.6	0	0	28	02	1	1	0	4	10	4	6	2	0
	1730	582	996.8	934.4	-0.5	30.2	24.5	22.1	26.7	64	- 6	6.1	-0.5	5.0	0	0	26	00	1	4	0	1	11	6	3	5	0
	2330	582	999.8	936.5	..	27.2	23.7	22.1	26.7	75	..	5.1	..	5.6	0	0	22	00	1	0	0	3	12	4	2	9	0
JHALAWAR	0830	321	1000.1	964.7	+0.5	27.7	24.8	23.4	28.7	78	- 3	6.5	+0.9	5.8	0	0	30	00	0	0	0	0	14	15	1	1	0
	1730	321	996.1	961.2	-0.2	31.5	25.4	22.6	27.6	62	- 7	7.0	+1.3	6.3	0	0	27	01	1	1	1	1	7	10	5	4	0
BANSWARA	0830	220	..	..	..	..	..	..	..	..	..	3.6	..	4.9	0	3	25	03	0	0	0	0	21	4	0	1	0
	1730	220	997.4	973.5	..	31.0	25.8	23.6	29.3	66	..	2.7	..	3.2	0	0	28	01	0	0	2	3	12	9	1	1	0
DUNGARPUR	0830		(R)																								
	1730		(R)																								
BUNDI	0830		(R)																								
	1730		(R)																								
SAWAI MADHOPUR	0830		(R)																								
	1730		(R)																								
MADHYA PRADESH, WEST																											
GWALIOR	0230	207	997.3	974.3	..	27.8	25.7	24.7	31.3	85	..	6.1	..	7.0	0	1	24	02	0	3	2	8	5	2	3	6	0
	0530	207	997.2	974.2	..	27.3	25.4	24.5	30.9	85	..	6.3	..	5.7	0	0	23	02	1	2	2	7	1	5	3	8	0
	0830	207	998.5	975.6	+0.0	29.2	25.9	24.5	30.8	77	+ 3	6.2	+0.1	8.0	0	0	29	04	1	4	2	4	0	10	4	2	0
	1130	207	998.2	975.5	..	31.9	26.9	24.7	31.3	68	..	6.3	..	10.3	0	0	30	01	3	3	1	3	0	8	11	1	0
	1430	207	996.3	973.7	..	32.5	27.0	24.5	31.1	66	..	6.7	..	11.2	0	1	30	04	3	7	3	1	0	6	7	0	0
	1730	207	995.3	972.7	-0.1	31.4	26.7	24.9	31.7	72	+ 6	6.6	+0.2	9.5	0	1	29	04	2	7	3	2	0	6	6	1	0
	2030	207	997.0	974.1	..	29.2	26.3	25.0	31.9	80	..	6.2	..	8.4	0	2	24	02	2	4	4	8	0	2	4	5	0
	2330	207	998.0	975.1	..	28.3	26.0	25.0	31.8	84	..	5.8	..	6.3	0	1	21	02	0	4	3	8	1	3	1	9	0
SHEOPUR	0830	235	998.8	972.9	-0.3	28.7	25.9	24.5	30.8	79	- 1	4.9	-1.9	9.3	0	1	30	02	1	0	0	10	9	5	3	0	1
	1730	235	995.[illegible]	969.9	-0.3	31.5	26.6	24.4	30.8	70	+ 3	5.9	-0.9	9.4	0	2	28	02	3	0	2	7	4	7	5	1	0
SHIVPURI	0830	464	998.2	947.4	..	26.8	24.4	23.2	28.4	82	..	6.5	..	5.1	0	1	29	00	0	3	0	1	13	13	0	1	0
	1730	464	995.5	945.2	..	29.0	24.8	22.9	28.1	71	..	7.3	..	5.4	0	0	30	02	0	2	7	0	7	8	4	1	0
NOWGONG	0830	229	999.1	973.8	+0.1	27.6	25.6	24.6	31.1	85	+ 4	6.7	+0.6	4.7	0	0	26	03	1	1	1	4	7	6	3	5	0
	1730	229	996.0	970.9	+0.2	29.1	26.3	24.9	31.7	81	+ 7	6.7	+0.3	5.4	0	0	27	07	3	5	1	1	2	6	2	4	0
GUNA	0530	478	998.3	945.8	..	25.0	23.6	23.1	28.2	90	..	7.0	..	8.7	0	1	30	00	0	3	1	4	8	15	0	0	0
	0830	478	999.5	947.1	-0.3	26.4	24.5	23.7	29.3	86	+ 2	6.4	+0.5	7.4	0	1	30	00	0	1	0	3	2	25	0	0	0
	1130	478	999.2	947.2	..	29.0	25.2	23.7	29.4	76	..	6.9	..	11.5	0	3	28	01	0	0	0	2	2	21	5	0	0
	1430	478	997.1	945.5	..	30.8	25.7	23.6	29.3	70	..	6.6	..	10.5	0	2	29	01	0	2	1	3	2	15	7	0	0
	1730	478	995.7	944.0	-0.7	29.9	25.3	23.4	29.0	72	- 2	7.2	+0.8	9.8	0	1	28	06	0	1	1	3	5	5	8	2	0
	2330	478	999.3	946.8	..	26.1	24.2	23.4	29.1	87	..	7.1	..	6.2	0	0	30	00	0	6	3	5	5	11	0	1	0
NIMACH	0830	496	1000.5	946.2	+0.0	26.2	23.7	22.7	27.7	82	- 1	6.0	-0.6	18.7	0	15	16	00	0	0	0	0	11	19	1	0	0
	1730	496	997.0	943.5	-0.3	30.0	24.4	21.9	26.5	64	- 5	7.0	+0.3	15.5	0	8	23	00	2	0	0	1	10	13	4	0	1
RAJGARH	0830	382	998.5	956.5	-1.0	26.4	25.2	24.7	31.0	91	+ 8	6.7	+0.1	14.7	0	6	25	00	0	0	0	1	8	18	4	0	0
	1730	382	996.5	955.0	-0.1	30.3	26.7	25.3	32.3	76	+ 6	6.4	-0.4	14.6	0	8	23	03	1	0	2	1	5	15	4	0	0
SAGAR	0830	551	999.6	939.1	+0.1	24.5	23.0	22.3	27.1	89	- 2	7.3	+0.6	9.5	0	0	31	00	4	5	0	0	7	11	4	0	0
	1730	551	996.5	936.6	+0.1	27.0	24.4	23.2	28.7	80	- 2	7.3	+0.7	9.6	0	0	31	00	7	6	0	0	4	10	4	0	0
RATLAM	0830	486	1001.2	947.7	-0.1	25.4	23.5	22.7	27.7	85	- 5	7.6	+0.1	15.9	0	10	21	00	0	0	0	2	8	18	3	0	0
	1730	486	997.7	944.9	-0.6	29.2	24.5	22.4	27.2	69	- 4	7.5	+0.2	13.9	0	8	23	01	0	0	0	1	5	24	0	0	0
BHOPAL (BAIRAGARH)	0230	523	999.2	941.6	..	24.3	23.0	22.4	27.2	89	..	7.8	..	14.8	0	6	24	00	0	0	0	2	5	16	7	1	0
	0530	523	999.2	941.7	..	24.0	22.8	22.3	27.0	90	..	7.8	..	15.3	0	8	22	00	0	0	0	2	4	13	11	1	0
	0830	523	1000.6	943.1	-0.2	25.2	23.5	22.8	27.7	87	+ 1	7.7	+0.7	18.3	0	13	18	01	0	0	0	0	5	11	14	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JULY 1969 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, WEST (CONTD)																											
BHOPAL (BAIRAGARH)	1130	523	1000.2	943.2	..	27.9	24.4	23.0	28.3	76	..	7.6	..	19.1	0	15	16	02	1	0	0	0	0	11	17	0	0
	1430	523	997.8	941.3	..	29.2	24.9	22.9	28.1	70	..	7.6	..	19.4	0	13	18	04	1	0	0	0	5	6	15	0	0
	1730	523	996.8	940.1	-0.5	28.1	24.5	22.9	28.1	75	+ 3	7.6	+0.6	14.6	0	9	22	04	1	0	1	4	3	5	13	0	0
	2030	523	999.2	941.9	..	26.1	23.9	23.0	28.0	84	..	7.5	..	11.0	0	3	25	03	0	1	2	4	5	8	5	3	0
	2330	523	1000.3	942.9	..	24.9	23.4	22.9	27.9	89	..	7.7	..	13.2	0	4	27	01	1	0	1	1	9	12	6	0	0
UJJAIN	0830	489	1001.0	947.1	..	25.2	23.8	23.2	58.5	89	..	7.8	..	16.1	0	11	20	00	1	0	0	1	1	22	6	0	0
	1730	489	997.5	944.4	..	28.6	24.8	23.3	28.7	74	..	7.6	..	21.9	0	18	13	01	2	0	0	0	1	21	6	0	0
NARSINGHPUR	0830	356	1000.1	960.6	..	25.4	24.5	24.0	29.9	92	..	7.3	..	3.2	0	0	30	00	2	0	0	0	10	17	1	1	0
	1730	356	996.8	957.8	..	28.2	25.9	24.7	31.3	84	..	7.3	..	2.5	0	0	30	01	5	0	0	0	13	7	4	1	0
HOSHANGABAD	0830	302	1001.2	967.5	+0.3	25.6	24.2	23.5	29.0	88	+ 1	7.6	+0.4	4.3	0	0	31	00	0	0	2	0	21	0	8	0	0
	1730	302	997.4	964.3	+0.0	29.1	25.1	23.3	28.6	73	- 5	6.8	-0.1	5.3	0	0	29	02	0	0	3	1	20	0	3	2	0
INDORE	0530	567	1000.2	937.8	..	23.5	22.5	22.0	26.4	91	..	7.6	..	18.7	0	11	19	00	1	0	0	3	14	12	0	1	0
	0830	567	1001.1	938.8	+0.0	24.5	23.0	22.3	27.0	88	+ 0	7.5	+0.2	22.4	0	23	8	00	0	0	0	3	14	14	0	0	0
	1130	567	1000.8	939.0	..	27.0	24.1	22.9	57.9	79	..	7.4	..	23.5	0	23	8	01	0	0	0	0	15	13	2	0	0
	1730	567	997.4	936.1	-0.2	28.2	24.2	22.5	27.2	72	+ 0	7.4	+0.4	23.3	0	20	10	00	1	0	0	1	12	14	2	1	0
	2330	567	1000.9	938.6	..	24.4	23.2	22.6	27.4	90	..	7.0	..	15.1	0	5	24	00	0	0	0	2	21	6	0	2	0
RAJPUR (JHABUA)	0830	293	1002.2	969.6	+0.4	26.0	24.3	23.5	29.0	86	- 2	7.3	+0.1	10.5	0	4	21	00	0	0	0	0	9	15	0	6	1
	1730	293	998.9	966.8	+0.2	30.1	25.3	23.1	28.3	68	- 6	6.4	-0.6	11.5	0	4	23	00	0	0	0	0	5	22	0	4	0
CHHINDWARA	0830	685	1000.4	925.7	-0.6	24.4	22.8	22.3	26.9	86	- 1	7.4	+0.9	8.7	0	0	31	00	2	2	0	0	6	16	5	0	0
	1730	685	997.4	923.5	-0.6	26.6	23.8	22.6	27.5	80	+ 3	6.3	-0.4	3.6	0	0	29	08	0	11	0	4	0	6	0	2	0
SEONI	0830	619	1000.2	932.5	+0.0	24.3	23.1	22.5	27.3	90	+ 4	7.4	+0.2	8.6	0	1	29	04	0	0	0	2	7	8	9	1	0
	1730	619	996.8	929.9	-0.4	26.8	24.0	22.8	27.7	80	+ 1	7.3	+0.1	11.9	0	3	28	05	0	2	0	7	1	13	3	0	0
BETUL	0830	653	1001.5	929.9	-0.5	23.9	23.0	22.6	27.4	92	+ 3	7.6	-0.1	6.5	0	0	31	01	0	0	1	0	13	6	10	0	0
	1730	653	997.9	927.3	-0.6	27.0	24.1	23.0	28.2	80	+ 2	7.3	-0.4	7.4	0	0	31	02	0	0	1	1	4	8	15	0	0
KHANDWA	0830	318	1001.4	966.0	-0.1	26.0	24.0	23.0	28.2	84	+ 1	7.3	+0.3	6.6	0	1	29	01	0	0	0	1	13	12	3	1	0
	1730	318	997.7	962.9	-0.4	30.1	25.1	22.9	27.9	67	- 4	7.1	-0.1	8.3	0	1	30	03	0	0	0	1	15	8	4	0	0
TIKAMGARH	0830	346	999.4	961.3	..	26.8	24.9	24.1	30.1	85	..	6.1	..	7.8	0	1	30	03	2	2	2	1	7	11	3	0	0
	1730	346	996.3	958.6	..	29.1	25.3	23.6	29.2	75	..	6.0	..	7.9	0	0	31	03	2	5	5	2	6	4	4	0	0
SHAJAPUR	0830	446	(R)																								
	1730	446	(R)																								
[illegible]	0830	353	1002.7	963.5	..	25.7	24.2	23.5	29.1	88	..	7.4	..	9.4	0	1	30	01	0	0	1	3	9	13	4	0	0
	1730	353	999.4	960.8	..	29.2	25.2	23.3	28.8	73	..	7.2	..	12.5	0	2	29	02	1	0	0	2	6	15	5	0	0
MADHYA PRADESH, EAST																											
SATNA	0530	317	997.2	962.1	..	26.8	24.7	24.2	30.2	91	..	6.1	..	2.6	0	0	17	01	0	1	1	1	2	8	3	14	0
	0830	317	998.6	963.6	-0.3	27.2	25.3	24.5	30.8	86	+ 4	6.4	-0.1	2.0	0	0	20	00	0	3	0	4	1	11	1	11	0
	1130	317	998.1	963.3	..	29.1	25.9	24.4	30.7	79	..	6.1	..	5.4	0	0	30	04	2	5	0	1	0	12	6	1	0
	1430	317	996.1	961.5	..	30.1	26.1	24.3	30.6	74	..	6.1	..	6.5	0	2	27	00	4	2	1	5	1	9	7	2	0
	1730	317	995.4	960.7	-0.4	28.7	25.7	24.3	30.5	80	+ 5	6.5	-0.1	3.9	0	0	27	07	0	2	0	1	0	13	4	4	0
	2330	317	997.5	963.0	..	26.6	25.4	24.8	31.0	91	..	6.5	..	2.0	0	0	16	02	1	3	0	2	1	7	0	15	0
REWA	0830	299	997.9	964.9	..	27.4	25.9	25.3	32.3	89	..	7.0	..	4.3	0	0	29	03	1	0	1	2	2	12	8	2	0
	1730	299	995.5	962.6	..	29.4	26.9	25.9	33.5	83	..	7.1	..	3.2	0	0	30	04	3	1	0	1	1	10	10	1	0
SIDHI	0830	272	998.1	968.0	+0.5	27.6	25.8	25.0	31.8	87	+ 7	4.1	-1.4	0.1	0	0	1	01	0	0	0	0	0	0	0	30	0
	1730	272	995.2	965.1	+0.0	29.2	26.3	25.0	31.9	81	+ 9	4.1	-1.4	0.3	0	0	5	02	0	3	0	0	0	0	0	26	0
UMARIA	0830	459	999.3	948.8	-0.2	25.8	24.1	23.3	28.7	87	+ 3	7.3	+0.2	3.6	0	0	29	00	0	0	2	0	11	6	6	2	4
	1730	459	996.0	945.9	-0.5	27.2	24.8	23.7	29.5	84	+ 4	7.6	+0.3	2.3	0	0	29	02	3	0	1	1	12	2	7	2	1
JABALPUR	0530	393	998.6	955.2	..	24.7	23.9	23.6	29.1	94	..	7.5	..	4.3	0	0	22	00	0	0	1	0	11	9	1	9	0
	0830	393	1000.0	956.6	+0.0	25.5	24.5	24.0	29.9	92	+ 7	7.5	+0.3	4.6	0	0	24	00	0	0	0	1	7	15	1	7	0
	1130	393	999.3	956.3	..	28.3	25.7	24.6	31.0	82	..	7.3	..	6.0	0	0	29	00	0	0	0	2	8	14	5	2	0
	1430	393	997.2	954.4	..	29.1	26.2	25.0	31.7	81	..	7.3	..	6.1	0	0	28	00	2	0	1	0	7	9	9	3	0
	1730	393	996.6	953.6	-0.3	27.4	25.6	24.9	31.5	88	+ 9	7.7	+0.3	4.5	0	0	24	00	2	0	1	0	8	12	1	7	0
	2030	393	998.8	955.5	..	26.2	25.1	24.5	30.9	91	..	7.1	..	3.4	0	0	18	01	0	1	0	2	9	5	0	13	0
	2330	393	999.6	956.2	..	25.2	24.4	23.9	29.8	93	..	7.3	..	4.2	0	0	24	00	1	1	0	2	8	10	2	7	0
AMBIKAPUR	0830	611	999.0	932.5	-1.2	25.6	24.1	23.5	28.9	89	+ 2	6.7	+0.8	5.8	0	0	26	08	1	1	0	4	9	3	0	5	0
	1730	611	995.8	929.8	-1.4	26.7	24.7	23.8	29.6	85	+ 5	7.2	+1.5	5.5	0	0	30	08	1	4	0	8	1	8	0	1	0
JASHPUR NAGAR	0830	779	998.6	914.6	..	24.6	23.0	22.3	27.0	88	..	6.1	..	2.5	0	0	26	01	6	0	4	3	10	0	2	5	0
	1730	779	995.8	912.1	..	25.3	23.6	22.8	27.8	84	..	5.7	..	1.3	0	0	18	01	1	1	2	2	9	1	1	13	0
PENDRA	0530	625	998.0	929.8	..	23.7	23.0	22.6	27.5	94	..	6.6	..	5.0	0	1	17	06	0	0	1	7	2	1	1	13	0
	0830	625	999.1	931.1	-0.6	25.1	23.6	23.0	28.1	89	+ 3	6.6	-0.5	5.6	0	1	20	07	1	1	0	8	3	0	1	10	0
	1130	625	998.4	930.9	..	27.2	24.3	23.1	28.3	80	..	6.7	..	8.1	0	2	25	08	0	0	1	5	2	6	5	4	0
	1430	625	996.4	929.2	..	27.6	24.6	23.3	28.7	79	..	6.5	..	9.6	0	4	24	09	1	0	2	5	2	4	5	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS— JULY ,1969(10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH,EAST (CONTD.)																											
PENDRA	1730	625	996.0	928.5	-0.8	26.5	24.2	23.2	28.6	83	+ 0	6.6	-0.7	7.0	0	0	26	06	0	0	0	9	3	2	6	5	0
	2330	625	998.8	930.7	..	24.5	23.5	23.1	28.4	93	..	6.5	..	4.2	0	2	16	04	0	0	0	8	3	2	1	13	0
MANDLA	0830	443	999.9	951.1	-0.8	25.2	23.8	23.1	28.3	88	+ 0	7.2	+0.3	5.4	0	2	14	05	0	0	0	4	2	1	4	15	0
	1730	443	996.4	948.1	-1.1	27.3	24.7	23.5	29.0	82	+ 3	7.2	+0.3	2.6	0	0	9	02	0	0	0	1	2	1	2	22	1
CHAMPA	0830	245	999.6	972.3	-1.4	26.6	24.9	24.1	30.2	87	+ 1	7.5	+0.3	5.5	0	1	27	00	1	3	0	1	10	10	3	3	0
	1730	245	996.3	969.4	-1.3	29.2	25.9	24.4	30.7	76	+ 1	6.6	-0.9	6.6	0	0	29	01	1	1	3	3	7	6	7	2	0
RAIGARH	0830	220	999.0	975.1	-1.1	26.7	25.2	24.5	30.8	87	+ 2	7.5	+0.2	4.3	0	0	31	00	3	0	2	0	18	3	5	0	0
	1730	220	996.3	972.0	-1.3	28.7	26.1	25.0	31.6	81	+ 6	7.5	+0.3	2.9	0	0	30	01	2	0	4	0	17	1	5	1	0
RAIPUR	0530	298	999.1	965.9	..	24.7	23.6	23.1	28.3	90	..	7.4	..	7.0	0	0	31	00	0	0	0	2	12	15	2	0	0
	0830	298	1000.3	967.2	-0.3	26.2	24.7	24.0	29.4	88	+ 3	7.3	+0.1	7.2	0	0	30	00	0	0	0	2	8	20	0	1	0
	1130	298	999.8	967.0	..	28.4	25.5	24.2	30.2	79	..	7.4	..	8.2	0	1	30	00	0	0	0	2	9	15	5	0	0
	1430	298	997.6	964.9	..	29.7	26.0	24.4	30.6	74	..	7.0	..	8.1	0	0	31	02	0	0	1	1	9	17	1	0	0
	1730	298	997.1	964.4	-0.5	28.2	25.3	24.0	29.8	79	+ 1	7.2	+0.1	7.0	0	0	31	01	0	0	1	3	7	13	6	0	0
	2030	298	999.3	966.3	..	26.8	24.7	23.8	29.5	84	..	6.3	..	6.1	0	0	28	00	1	0	1	3	13	10	0	3	0
	2330	298	999.9	966.8	..	26.0	24.4	23.7	29.4	88	..	7.0	..	6.6	0	0	29	00	0	0	1	3	16	9	0	2	0
KANKER	0830	402	1001.1	956.8	-0.2	25.7	23.6	22.6	27.4	83	+ 1	7.6	+2.3	8.8	0	1	26	00	0	0	0	0	27	0	0	4	0
	1730	402	997.9	953.9	-0.6	27.2	24.4	23.1	28.3	79	+ 0	7.7	+0.2	9.1	0	1	28	00	0	0	0	0	29	0	0	2	0
JAGDALPUR	0530	553	1000.5	939.7	..	23.0	22.1	21.7	25.9	92	..	7.8	..	4.0	0	0	17	01	0	0	0	2	10	4	0	14	0
	0830	553	1001.7	941.1	-0.1	24.2	22.6	21.9	26.2	87	+ 1	7.8	+0.7	5.7	0	0	28	00	0	0	0	2	18	6	2	3	0
	1130	553	1001.3	940.9	..	25.7	23.1	22.0	26.5	81	..	7.7	..	7.9	0	1	28	00	0	0	0	1	16	9	3	2	0
	1430	553	999.2	939.2	..	26.7	23.4	22.1	26.7	77	..	7.5	..	8.9	0	1	28	00	0	0	0	2	10	13	4	2	0
	1730	553	998.8	938.6	-0.2	25.9	23.3	22.2	26.7	81	- 1	7.7	+0.4	7.7	0	0	28	00	0	0	0	1	15	11	1	3	0
	2030	553	1001.3	940.6	..	24.0	22.8	22.2	26.8	90	..	7.0	..	5.0	0	0	24	00	0	0	0	2	15	6	1	7	0
	2330	553	1001.8	940.9	..	23.6	22.5	22.0	26.5	91	..	7.3	..	4.6	0	1	19	00	0	0	0	3	11	5	1	11	0
GUJARAT REGION(INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																											
DEESA	0830	136	1000.5	985.3	+0.1	28.1	25.3	24.0	24.1	80	- 6	7.1	+0.8	6.6	0	0	30	00	0	2	2	10	10	1	5	1	0
	1730	136	996.9	982.0	-0.1	34.2	25.9	22.0	26.6	51	-13	5.5	-0.4	8.6	0	2	27	00	0	0	4	2	17	2	1	2	3
RADHANPUR	0830	30	1000.4	997.1	+0.8	29.0	26.6	25.7	32.8	83	- 2	2.7	-2.7	2.5	0	0	29	00	0	1	1	1	25	1	0	1	0
	1730	30	997.4	994.1	+0.4	35.2	28.1	24.7	31.3	55	-13	2.1	-2.3	3.0	0	0	31	00	0	0	2	0	27	0	2	0	0
IDAR	0830	219	1001.3	976.9	+0.4	27.2	24.9	23.8	29.8	82	- 7	6.0	-1.4	5.9	0	0	31	00	1	0	3	0	18	8	1	0	0
	1730	219	997.4	973.6	+0.1	33.5	25.8	22.0	26.9	50	-20	4.0	-3.2	6.1	0	1	30	01	0	0	3	1	10	13	3	0	0
AHMADABAD	0230	55	1000.2	994.0	..	27.9	25.5	24.4	30.7	82	..	6.0	..	15.0	1	2	26	00	0	1	1	3	12	10	2	2	0
	0530	55	1000.1	993.8	..	27.3	25.4	24.5	30.7	85	..	5.9	..	11.8	0	0	29	01	0	0	1	2	15	10	0	2	0
	0830	55	1001.3	995.1	-0.1	28.4	25.9	24.8	31.5	82	- 4	6.3	-0.6	11.0	0	0	28	00	0	0	2	1	11	12	2	3	0
	1130	55	1001.3	995.1	..	31.1	26.6	24.7	30.2	70	..	6.7	..	14.4	0	4	27	00	0	0	1	3	8	18	1	0	0
	1430	55	999.3	993.2	..	33.4	27.1	24.3	30.7	62	..	6.5	..	14.9	0	7	24	00	1	2	2	2	10	12	2	0	0
	1730	55	997.5	991.4	-0.7	33.7	26.7	23.6	29.3	58	-10	5.7	-1.0	17.0	0	9	22	00	0	0	3	7	9	9	3	0	0
	2030	55	999.2	993.0	..	30.5	26.6	24.9	31.5	73	..	5.5	..	19.4	0	14	17	00	0	0	1	10	12	8	0	0	0
	2330	55	1000.8	994.6	..	28.7	25.8	24.7	30.7	80	..	5.7	..	15.2	0	6	25	01	0	0	1	7	6	14	2	0	0
DOHAD	0830	333	1001.5	964.5	-0.5	25.7	24.2	23.6	28.9	89	+ 2	6.9	-0.3	21.2	0	20	11	00	0	0	0	3	12	15	1	0	0
	1730	333	997.9	961.5	-1.0	29.9	25.4	23.3	27.9	70	- 1	5.9	-0.4	20.6	0	19	12	01	0	0	0	0	15	14	1	0	0
VALLABH VIDYANAGAR	0830	44	1001.6	996.7	..	27.5	26.0	25.4	32.2	89	..	6.2	..	5.3	0	0	31	00	0	0	0	5	21	4	1	0	0
	1730	44	998.1	993.3	..	32.1	27.3	25.2	31.9	70	..	5.8	..	7.0	0	0	31	00	0	0	2	7	18	4	0	0	0
BARODA AERODROME	0830	38	1002.0	997.7	-0.2	27.9	26.3	25.6	32.6	87	+ 0	6.4	-0.3	16.5	0	7	23	00	1	0	0	3	15	8	3	0	0
	1130	38	1001.8	997.6	..	30.4	26.9	25.4	32.6	76	..	6.7	..	18.4	0	11	20	00	0	0	1	3	10	15	1	0	1
	1730	38	998.5	994.3	-0.6	31.1	27.2	25.5	33.0	75	+ 1	6.5	-0.3	26.6	0	24	7	00	0	0	1	4	19	7	0	0	0
BARODA	0530	34	1000.8	996.8	..	26.9	25.2	24.5	30.7	87	..	5.9	..	4.6	0	0	28	00	0	0	0	0	20	8	0	3	0
	0830	34	1002.0	998.0	-0.2	28.0	25.9	24.9	31.5	84	- 4	6.0	-0.8	4.2	0	0	31	01	0	0	0	0	24	6	0	0	0
	1130	34	1002.0	998.1	..	30.8	26.5	24.6	31.1	71	..	6.3	..	6.3	0	0	31	00	0	0	1	1	19	10	0	0	0
	1730	34	998.8	994.9	-0.3	31.8	26.5	24.2	30.4	67	- 9	6.3	-0.1	5.4	0	0	30	00	0	0	1	0	25	3	1	1	0
	2330	34	1001.7	997.7	..	28.3	25.8	24.8	31.1	82	..	5.6	..	7.9	0	0	31	00	0	0	0	0	30	1	0	0	0
BROACH	0830	17	..	..	..	28.0	27.0	26.6	34.8	93	+ 6	6.4	+0.0	15.2	0	9	22	00	1	1	3	3	19	0	4	0	0
	1730	17	..	..	..	30.9	28.7	27.6	37.8	86	+12	6.1	-0.2	29.2	0	31	0	01	1	1	0	0	26	0	2	0	0
SURAT	0530	12	1001.2	999.9	..	27.1	25.7	25.1	32.2	89	..	5.9	..	8.2	0	1	29	00	0	0	1	0	29	0	0	1	0
	0830	12	1002.5	1001.3	+0.0	28.0	26.1	25.4	32.2	86	- 1	6.5	-0.8	7.3	0	0	31	00	0	0	3	0	27	0	1	0	0
	1130	12	1002.9	1001.6	..	30.2	26.7	25.3	31.9	75	..	6.4	..	12.6	0	4	27	00	0	0	2	0	29	0	0	0	0
	1730	12	1000.2	998.9	-0.3	30.0	26.6	25.2	32.1	76	- 5	6.1	-0.8	15.0	0	8	23	00	0	0	0	0	31	0	0	0	0
	2330	12	1002.7	1001.4	..	28.2	26.2	25.4	32.4	85	..	5.6	..	11.9	0	3	28	00	0	0	2	0	29	0	0	0	0
SAURASHTRA AND KUTCH(INCLUDING DIU																											
NALIYA	0830	21	1000.2	997.7	+1.1	29.2	26.7	25.6	33.0	81	- 4	6.3	-0.4	11.8	0	3	28	00	0	0	0	1	22	5	3	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JULY (1969 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry bulb	Wet bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
URASHTRA AND KUTCH (INCLUDING DIU)																												
NALIYA	1730	21	997.4	995.0	+0.2	31.4	26.9	25.0	31.9	70	- 7	6.7	-0.1	17.9	0	13	18	00	1	0	0	2	26	2	0	0	0
BHUJ (RUDRAMATA)	0230	80	999.0	990.0	..	28.0	26.6	26.0	33.6	95	..	3.6	..	15.7	0	10	18	00	0	0	0	1	15	12	0	3	0
	0530	80	999.0	990.0	..	27.7	26.4	25.9	32.6	90	..	4.7	..	13.7	0	6	20	00	0	0	0	0	12	13	1	5	0
	0830	80	1000.0	993.0	+1.7	29.1	26.9	26.0	33.6	83	+ 6	5.4	-0.6	17.8	0	12	17	00	0	0	0	0	16	12	1	2	0
	1130	80	999.8	991.0	..	32.2	27.4	25.4	32.6	68	..	5.9	..	22.7	0	17	12	00	0	1	0	1	15	10	2	2	0
	1430	80	998.3	989.5	..	34.2	27.7	25.0	31.9	60	..	6.0	..	26.6	0	24	5	00	1	0	0	2	16	10	0	2	0
	1730	80	997.3	988.5	-0.4	32.4	27.3	25.2	32.2	68	+ 4	5.6	-0.3	25.6	0	21	10	00	0	1	0	2	15	13	0	0	0
	2030	80	998.8	989.9	..	29.7	26.8	25.5	33.0	79	..	4.1	..	21.4	0	19	11	00	0	0	0	0	20	10	0	1	0
	2330	80	1000.0	988.0	..	28.6	26.8	26.1	33.8	87	..	3.0	..	18.0	0	9	22	00	0	0	0	1	20	10	0	0	0
KANDLA AERODROME	0830	35	1000.7	996.8	..	29.5	26.5	25.3	32.2	78	..	4.7	..	25.4	0	21	9	00	0	0	0	2	20	5	3	1	0
	1130	35	1000.5	996.7	..	32.6	27.1	24.8	31.5	64	..	5.0	..	31.4	1	25	4	01	0	0	0	5	17	5	1	1	1
	1730	35	997.8	993.9	..	33.4	26.8	24.0	29.8	59	..	4.4	..	38.8	0	29	2	00	0	0	2	0	26	3	0	0	0
NEW KANDLA	0830	14	1001.1	999.5	+0.9	29.2	26.5	25.3	32.2	80	- 3	5.3	-1.2	21.9	0	17	14	02	1	0	0	2	11	15	0	0	0
	1730	14	998.3	996.7	+0.4	32.6	26.9	24.4	30.7	63	- 7	4.9	-1.0	38.8	0	29	2	00	0	0	0	5	18	8	0	0	0
MANDVI	0830	9	1000.8	999.7	+0.2	29.5	26.9	25.8	32.6	80	- 7	6.2	-0.1	32.4	0	26	5	00	0	0	0	0	22	9	0	0	0
	1730	9	998.7	997.6	+0.9	30.5	27.3	25.9	33.6	77	- 9	6.0	-0.2	33.9	0	28	3	00	0	0	0	0	21	10	0	0	0
SURENDRANAGAR	0830	74	1001.2	992.9	+0.0	28.7	26.3	25.2	31.9	82	- 2	6.5	+0.1	13.2	0	10	15	00	0	0	1	1	10	13	0	6	0
	1730	74	997.6	989.2	-0.8	33.8	26.8	23.7	29.3	58	- 6	6.8	+0.2	20.0	0	13	15	00	0	1	1	1	9	14	2	2	0
OKHA	0530	7	1000.0	999.2	..	28.5	26.9	26.3	34.2	88	..	4.9	..	26.1	0	21	10	00	0	0	0	1	18	9	3	0	0
	0830	7	1001.3	1000.5	..	29.3	27.3	26.5	34.6	85	..	5.4	..	27.7	0	25	6	01	0	0	0	2	15	11	2	0	0
	1130	7	1001.6	1000.8	..	30.4	27.6	26.4	34.4	80	..	5.5	..	26.1	0	26	5	01	0	0	0	0	18	9	3	0	0
	1730	7	999.3	998.5	..	30.1	27.6	26.7	35.0	82	..	5.3	..	27.3	0	30	1	00	0	0	0	0	23	7	1	0	0
	2330	7	1001.4	1000.6	..	28.8	27.2	26.5	34.8	88	..	3.6	..	25.4	0	21	10	00	0	0	0	0	25	5	1	0	0
JAMNAGAR AERODROME	0530	23	999.9	997.7	..	26.8	25.2	24.4	30.7	87	..	4.4	..	17.1	0	9	21	00	0	0	1	3	19	4	3	1	0
	0830	23	1000.9	998.7	+0.0	28.6	26.0	24.9	31.5	81	- 1	5.9	-0.3	17.1	0	10	21	02	0	0	0	2	17	9	1	0	0
	1130	23	1001.0	998.8	..	31.3	26.3	24.5	30.0	67	..	6.4	..	27.1	0	21	10	00	0	0	1	1	4	13	12	0	0
	1730	23	998.5	996.3	+0.0	31.2	26.5	24.5	30.7	68	- 4	5.8	-0.4	32.5	0	27	4	00	0	0	0	1	5	12	13	0	0
	2330	23	1001.0	998.8	..	27.9	25.7	24.6	31.1	83	..	3.6	..	20.9	0	11	20	00	1	0	0	0	20	9	1	0	0
DWARKA	0830	11	1000.7	999.4	-0.5	29.1	27.6	27.1	35.9	89	+ 5	6.1	-1.0	23.3	1	17	13	01	0	0	0	0	12	13	3	0	2
	1730	11	999.0	997.7	-0.4	29.8	28.2	27.5	36.9	88	+ 6	5.7	-1.1	25.0	0	21	10	01	0	0	0	0	14	15	1	0	0
RAJKOT	0530	138	1000.1	984.6	..	26.2	24.6	23.9	29.6	88	..	4.0	..	16.7	0	14	13	00	0	0	0	4	20	2	1	3	0
	0830	138	1001.2	985.8	-0.1	27.7	25.6	24.7	30.9	84	- 1	4.3	-2.0	21.9	0	24	4	01	0	0	0	1	19	5	1	3	1
	1130	138	1000.8	985.6	..	31.0	25.9	23.5	29.1	66	..	4.5	..	25.6	0	25	5	01	0	0	0	1	21	5	2	1	0
	1430	138	999.1	984.0	..	33.0	26.2	23.1	28.4	59	..	5.1	..	29.0	0	27	4	00	0	0	2	1	21	6	1	0	0
	1730	138	998.0	982.8	-0.5	31.8	26.0	23.4	29.3	63	- 5	4.7	-2.0	33.7	0	29	2	00	0	0	1	1	16	8	5	0	0
BHAVNAGAR AERODROME	0830	11	1002.1	1000.9	-0.1	28.8	26.0	24.8	31.3	79	+ 2	5.8	-0.6	21.1	0	21	10	00	1	0	0	3	16	8	3	0	0
	1130	11	1002.0	1000.8	..	31.9	26.7	24.4	30.7	66	..	6.0	..	25.3	0	25	6	00	0	1	1	3	14	10	1	0	1
	1730	11	998.9	997.7	-0.5	31.8	26.8	24.7	31.1	68	+ 4	5.7	-1.1	32.4	0	29	2	00	1	0	2	8	15	4	1	0	0
PORBANDER AERODROME	0830	7	1001.6	1000.8	+0.1	28.8	26.9	26.1	33.8	86	- 2	6.5	-0.3	19.4	0	18	12	02	0	0	0	2	17	6	3	1	0
	1130	7	1001.9	1001.1	..	30.3	27.2	26.0	33.4	79	..	6.3	..	24.0	0	28	3	00	0	0	0	2	20	6	3	0	0
	1730	7	999.7	998.9	-0.4	30.0	27.3	26.2	34.2	81	- 4	6.3	-1.0	25.2	0	29	2	00	0	0	0	1	22	7	1	0	0
KESHOD	0830	51	1001.9	996.1	+0.4	28.2	26.2	25.4	32.4	85	- 1	5.8	-0.6	22.1	0	21	10	01	1	0	0	0	8	21	0	0	0
	1130	51	1002.1	996.4	..	30.3	26.5	25.0	31.5	75	..	6.1	..	27.4	0	27	4	01	0	0	0	3	6	21	0	0	0
	1730	51	1000.0	994.2	+0.0	29.8	26.3	24.9	31.5	76	- 3	5.5	-1.1	29.3	0	29	2	00	0	0	0	0	6	24	1	0	0
MAHUVA	0830	9	1002.2	1001.2	..	28.0	25.9	25.1	32.1	84	..	6.7	..	8.0	0	1	28	00	0	0	0	3	17	2	5	2	2
	1730	9	999.4	998.4	..	30.2	26.4	25.1	31.1	74	..	7.0	..	12.6	0	4	27	00	0	0	0	0	12	5	3	0	11
VERAVAL	0230	8	1001.1	1000.2	..	27.8	26.6	26.1	33.8	90	..	4.6	..	31.6	0	28	2	00	0	0	0	0	15	14	1	1	0
	0530	8	1000.8	999.9	..	27.6	26.4	25.9	33.4	91	..	5.8	..	30.8	0	25	6	01	0	0	0	0	12	17	1	0	0
	0830	8	1002.2	1001.3	-0.2	28.2	26.9	26.4	34.2	90	+ 2	6.3	-0.7	27.4	0	24	6	01	0	0	0	0	12	16	1	1	0
	1130	8	1002.8	1001.9	..	29.4	27.7	27.0	35.9	87	..	5.9	..	28.0	0	25	6	00	0	0	0	0	15	16	0	0	0
	1430	8	1001.5	1000.6	..	29.8	27.6	26.8	36.3	85	..	5.8	..	29.5	1	27	3	00	0	0	0	0	10	20	1	0	0
	1730	8	1000.5	999.6	+0.1	29.0	27.4	26.7	35.0	88	- 1	6.4	-0.2	30.1	0	27	4	00	0	0	0	0	12	17	2	0	0
	2030	8	1001.6	1000.7	..	28.3	27.0	26.4	34.2	90	..	5.7	..	30.9	1	28	2	00	0	0	0	0	13	16	2	0	0
	2330	8	1002.5	1001.6	..	28.0	26.7	26.2	33.8	90	..	4.8	..	30.9	0	28	2	01	0	0	0	0	15	13	1	1	0
DIU	0830	15	1003.0	1001.3	..	28.2	26.2	25.3	32.4	84	..	6.2	..	12.0	0	8	21	01	0	0	0	0	2	22	4	2	0
	1730	15	1000.9	999.2	..	29.3	26.8	25.7	32.8	81	..	5.2	..	20.4	0	18	13	00	0	0	0	0	12	18	1	0	0
ONKAN (INCLUDING GOA)																												
DAHANU	0830	5	1003.4	1002.9	+0.0	27.6	26.6	26.1	34.0	92	+ 1	6.7	-0.6	17.0	0	14	12	00	0	0	5	1	9	11	0	5	0
	1730	5	1001.4	1000.9	-0.3	29.2	27.7	27.0	35.4	89	+ 3	6.4	-0.4	24.5	0	23	8	00	0	0	1	0	26	4	0	0	0
BOMBAY (SANTACRUZ)	0230	14	1003.0	1001.4	..	26.8	25.4	24.8	31.3	89	..	6.8	..	18.2	0	14	14	00	1	1	1	2	12	11	0	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JULY 1969 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KONKAN (INCLUDING GOA) (CONTD.)																											
BOMBAY (SANTACRUZ)	0530	14	1002.7	1001.1	..	26.7	25.4	24.9	31.5	90	..	7.0	..	16.6	0	14	10	00	0	2	1	1	9	11	0	7	0
	0830	14	1004.2	1002.6	-0.2	27.1	25.6	25.0	31.5	88	+ 2	7.3	-0.1	15.5	0	6	23	00	0	0	4	0	10	14	1	2	0
	1130	14	1004.6	1003.0	..	28.5	26.3	25.4	26.4	84	..	7.3	..	18.4	0	14	15	00	0	0	1	2	11	15	0	2	0
	1430	14	1003.4	1001.8	..	28.7	26.4	25.5	32.6	83	..	7.3	..	19.2	0	15	16	00	0	0	0	2	12	14	3	0	0
	1730	14	1002.5	1000.9	-0.2	28.3	26.1	25.1	32.1	83	+ 1	7.4	+0.1	19.2	0	15	16	00	0	0	0	1	11	15	4	0	0
	2030	14	1003.9	1002.3	..	27.2	25.5	24.8	31.3	87	..	6.9	..	16.7	0	12	18	00	0	0	1	2	15	11	1	1	0
	2330	14	1004.6	1002.9	..	27.0	25.6	25.0	31.7	89	..	6.8	..	18.8	0	15	16	00	0	1	0	1	18	10	1	0	0
BOMBAY	0830	11	1004.3	1003.1	+0.0	27.3	25.8	25.2	31.9	88	+ 3	7.0	-0.2	14.9	0	11	20	00	1	0	4	1	6	17	1	0	1
	1130	11	1004.7	1003.5	..	28.7	26.6	25.7	33.0	84	..	6.9	..	15.7	0	10	19	00	0	0	2	1	9	16	1	2	0
	1730	11	1002.6	1001.4	-0.2	28.4	26.3	25.4	32.6	84	- 1	7.3	+0.0	15.5	0	9	22	00	0	0	0	2	13	14	2	0	0
ALIBAG	0830	7	1004.5	1003.7	-0.4	27.1	25.9	25.4	31.9	91	+ 4	7.6	+0.4	24.3	0	22	9	00	1	4	4	0	18	3	1	0	0
BHIRA	0830	96	1004.6	993.8	..	25.0	24.4	24.1	30.0	95	..	7.9	..	2.6	0	0	21	00	1	3	5	3	4	2	3	10	0
	1730	96	1002.9	992.1	..	25.6	24.6	24.1	31.9	90	..	8.0	..	2.3	0	0	19	01	0	0	10	1	5	1	1	12	0
HARNAI	0830	20	1005.3	1002.9	+0.0	27.1	25.3	24.5	30.7	86	- 3	5.4	-1.7	24.5	0	19	10	01	0	0	1	0	9	16	2	2	0
	1730	20	1004.0	1001.4	-0.1	27.3	25.2	24.3	30.0	82	- 5	5.5	-1.6	29.0	0	22	6	02	0	0	0	0	12	12	2	3	0
RATNAGIRI	0830	35	1005.7	1001.7	-0.3	26.8	25.4	25.0	31.3	90	+ 1	7.6	+0.6	23.1	0	18	12	00	0	1	1	1	9	16	2	1	0
	1730	35	1004.1	1000.1	-0.4	26.9	25.5	24.8	30.0	88	+ 2	7.2	+0.0	25.2	0	22	9	00	0	0	1	0	7	22	1	0	0
DEVGARH	0830	36	1006.1	1002.1	-0.1	26.5	25.3	24.7	31.1	89	- 1	7.1	-0.1	28.8	0	26	5	00	1	0	0	0	14	15	1	0	0
	1730	36	1004.7	1000.7	+0.0	27.4	25.9	25.2	32.2	88	+ 0	7.2	-0.1	33.1	0	28	3	01	0	0	0	0	12	17	1	0	0
VENGURLA	0230	9	1006.1	1005.1	..	26.0	24.9	24.5	30.5	91	..	7.6	..	7.4	0	0	26	00	0	0	0	1	9	16	0	5	0
	0530	9	1005.5	1004.5	..	26.0	25.0	24.5	30.2	92	..	7.6	..	8.2	0	0	27	01	0	0	0	1	7	17	1	4	0
	0830	9	1007.0	1006.0	+0.0	26.9	25.5	24.9	31.5	89	- 1	7.3	-0.1	6.3	0	0	26	00	0	1	0	0	9	15	1	5	0
	1130	9	1007.4	1006.4	..	27.6	26.0	25.3	31.7	87	..	6.5	..	7.8	0	1	28	00	0	0	0	0	10	17	2	2	0
	1730	9	1005.6	1004.6	+0.2	26.9	25.5	24.9	30.9	89	+ 2	7.6	+0.0	8.5	0	2	25	02	0	0	0	0	10	15	0	4	0
	2330	9	1007.6	1006.6	..	26.2	25.1	24.6	30.9	91	..	7.3	..	6.6	0	0	23	00	0	0	0	1	8	14	0	8	0
PANJIM	0530	60	1005.2	998.4	..	25.9	24.7	24.2	30.0	90	..	7.3	..	17.7	0	11	20	00	0	0	1	0	12	15	3	0	0
	0830	60	1006.7	999.9	..	26.5	25.2	24.6	31.1	89	..	7.5	..	18.4	0	15	16	01	0	1	0	0	12	17	0	0	0
	1130	60	1007.1	1000.4	..	27.7	25.8	25.1	31.5	86	..	7.5	..	20.1	0	16	15	01	0	0	1	0	12	16	1	0	0
	1430	60	1005.9	999.1	..	27.6	25.7	25.0	31.5	86	..	7.4	..	18.5	0	11	20	00	0	0	0	0	17	13	1	0	0
	1730	60	1005.1	998.4	..	26.8	25.3	24.6	31.1	88	..	7.3	..	16.6	0	13	18	00	0	1	0	0	14	11	5	0	0
	2030	60	1006.6	999.8	..	26.3	25.1	24.5	30.7	90	..	7.2	..	15.9	0	10	21	00	0	2	0	0	15	10	4	0	0
	2330	60	1007.3	1000.5	..	26.0	25.0	24.5	30.9	91	..	7.3	..	16.6	0	10	21	01	1	0	0	0	18	8	3	0	0
MORMUGAO	0530	62	1005.4	998.5	..	26.6	25.1	24.4	30.5	88	..	7.8	..	22.4	0	20	11	00	0	0	1	0	9	20	1	0	0
	0830	62	1006.8	999.9	-0.1	26.9	25.2	24.5	30.5	86	+ 0	7.5	+1.1	23.3	0	23	6	00	0	0	0	0	9	19	1	2	0
	1130	62	1007.2	1000.3	..	27.4	25.5	24.7	30.9	85	..	7.5	..	24.3	0	25	6	01	0	0	1	1	8	18	2	0	0
	1730	62	1005.4	998.4	+0.1	27.1	25.4	24.7	30.9	87	- 1	7.6	+1.0	24.0	0	27	3	01	0	0	0	0	8	18	3	1	0
DABOLIM (NAVAL AIR STN.)	0530	52	1005.4	999.6	..	25.9	24.7	24.2	30.2	91	..	7.5	..	23.7	0	21	7	00	0	0	0	0	8	18	2	3	0
	0830	52	1006.9	1001.1	..	26.8	25.3	24.6	31.1	88	..	7.4	..	23.7	0	21	8	00	0	0	0	0	8	19	2	2	0
	1130	52	1007.3	1001.6	..	27.6	25.8	24.9	31.9	85	..	7.2	..	24.1	1	17	12	00	0	0	0	0	11	16	3	1	0
	1730	52	1005.3	999.6	..	27.1	25.4	24.7	31.1	87	..	7.4	..	26.5	1	24	5	00	0	0	0	0	8	19	3	1	0
	2330	52	1007.5	1001.7	..	26.2	25.0	24.5	30.7	90	..	7.3	..	25.0	0	21	10	00	0	0	0	0	7	20	4	0	0
MADHYA MAHARASHTRA																											
NANDURBAR	0830	206	1001.8	978.2	-0.6	26.3	24.6	23.7	29.7	86	- 1	6.0	-1.1	15.1	0	11	20	00	0	0	0	0	25	0	6	0	0
	1730	206	999.3	976.5	+0.1	28.6	24.6	22.7	27.9	70	- 7	6.1	-1.2	17.6	0	14	17	00	0	0	0	0	28	0	3	0	0
JALGAON	0830	201	1002.5	979.9	+0.1	26.1	24.6	23.9	29.6	88	+ 3	7.5	+1.4	15.0	0	7	22	00	0	1	0	0	6	17	5	2	0
	1730	201	999.1	976.9	-0.2	30.2	25.5	23.4	28.8	69	+ 4	7.3	+0.9	20.4	0	19	11	01	0	0	0	1	4	16	8	1	0
MALEGAON	0830	437	1002.8	954.4	+0.1	25.7	23.9	23.1	28.1	82	+ 6	6.8	-0.1	10.5	0	3	28	00	1	1	0	0	10	13	6	0	0
	1730	437	1000.4	952.7	+0.9	28.2	25.5	24.2	30.4	71	+ 5	6.3	-0.6	11.4	0	4	27	01	0	1	1	0	4	14	10	0	0
DZAR	0230	608	1002.1	935.1	..	22.9	21.7	21.1	25.0	90	..	7.0	..	21.9	0	14	16	00	0	0	0	0	1	26	3	1	0
	0530	608	1001.8	934.8	..	22.8	21.6	21.0	24.9	90	..	7.0	..	20.1	0	15	14	00	0	0	0	0	2	25	2	2	0
	0830	608	1002.7	936.0	..	24.3	22.3	21.4	25.5	84	..	7.1	..	24.9	0	18	13	00	0	0	0	0	4	22	5	0	0
	1130	608	1002.5	936.2	..	26.3	23.1	21.7	25.9	77	..	7.2	..	30.3	0	28	3	00	0	0	0	1	3	21	6	0	0
	1430	608	1001.0	934.9	..	27.1	23.2	21.5	25.6	73	..	7.3	..	34.2	0	28	3	00	0	0	1	0	3	22	5	0	0
	1730	608	1000.4	934.1	..	25.4	22.6	21.2	25.3	78	..	7.3	..	32.9	0	28	2	00	0	0	0	0	4	23	3	1	0
	2030	608	1002.4	935.6	..	23.7	22.1	21.3	25.3	87	..	7.2	..	27.4	0	23	8	00	0	0	0	0	4	25	2	0	0
	2330	608	1003.3	936.4	..	23.3	21.9	21.3	25.3	88	..	6.7	..	21.4	0	15	15	00	0	0	0	0	2	27	1	1	0
AHMADNAGAR	0830	657	1003.3	931.1	-0.5	23.8	21.9	21.0	25.0	84	+ 5	7.9	+1.4	6.2	0	0	27	00	1	0	0	0	19	4	3	4	0
	1730	657	1000.9	929.8	+0.2	27.0	22.4	20.3	23.7	68	+ 4	7.5	+0.7	14.2	0	8	22	00	0	0	0	0	18	6	6	1	0
POONA AERODROME	0230	593	1003.4	937.8	..	22.4	21.3	21.0	24.4	91	..	6.5	..	14.9	0	8	21	00	0	0	0	0	1	28	0	2	0
	0530	593	1003.0	937.4	..	22.2	21.4	20.9	24.9	92	..	7.1	..	15.0	0	9	20	00	0	0	0	0	2	27	0	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JULY 1969 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Mean temperature in °C Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 02 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ADHYA MAHARASHTRA (CONTD.)																											
POONA AERODROME	0830	593	1004.1	938.6	..	23.9	22.1	21.3	25.3	86	..	7.3	..	15.7	0	11	20	00	0	0	0	0	3	26	2	0	0
	1130	593	1003.9	939.0	..	25.5	22.8	21.5	25.5	80	..	7.5	..	24.8	0	22	9	00	0	0	0	0	4	26	1	0	0
	1730	593	1001.9	936.9	..	25.1	22.3	21.1	24.9	79	..	7.3	..	27.8	0	27	3	00	0	0	0	0	7	23	0	1	0
	2330	593	1004.8	939.1	..	22.8	21.5	20.9	24.7	88	..	6.4	..	16.0	0	8	22	00	0	0	0	0	1	29	0	1	0
POONA	0530	559	1003.6	941.5	..	23.1	21.6	20.8	24.4	87	..	7.0	..	8.0	0	1	24	00	0	0	0	0	0	25	0	6	0
	0830	559	1004.3	942.7	+0.2	24.2	22.1	21.1	25.0	83	+ 0	7.4	+0.3	9.4	0	1	26	00	0	0	0	0	3	24	0	4	0
	1130	559	1004.3	942.9	..	25.6	22.9	21.6	25.9	79	..	7.5	..	12.3	0	6	24	00	0	0	0	0	2	28	0	1	0
	1430	559	1002.9	941.8	..	26.4	22.8	21.1	25.2	74	..	7.4	..	15.1	0	10	21	00	0	1	0	0	2	28	0	0	0
	1730	559	1002.4	941.0	+0.1	25.2	22.4	21.1	25.0	78	- 1	7.5	+0.3	13.5	0	7	23	00	0	0	0	0	3	27	0	1	0
	2030	559	1004.2	942.4	..	23.7	21.7	20.7	24.4	84	..	7.1	..	10.6	0	2	29	00	0	0	0	0	0	31	0	0	0
	2330	559	1005.0	943.1	..	23.4	21.6	20.7	24.4	86	..	6.8	..	9.6	0	1	26	00	0	0	0	0	0	27	0	4	0
JEJUR	0830	521	1004.2	946.7	+0.1	25.1	23.0	22.1	26.6	84	+ 3	4.5	-1.2	6.3	0	0	31	03	0	0	0	0	1	13	14	0	0
	1730	521	1001.9	945.2	+1.3	27.8	23.4	21.4	21.4	69	+ 6	5.3	-1.1	8.8	0	0	31	02	0	0	0	1	6	4	18	0	0
BARAMATI	0830	551	1003.7	943.0	-0.5	24.3	22.2	21.2	25.2	83	+ 2	5.5	-1.0	10.1	0	2	29	01	0	0	0	3	6	20	1	0	0
	1730	551	1000.8	940.8	-0.5	27.1	22.8	20.8	24.6	70	+ 2	5.4	-1.5	17.1	0	16	15	01	0	0	0	4	5	21	0	0	0
SHOLAPUR	0530	479	1003.6	950.4	..	23.3	21.8	21.1	25.0	88	..	6.6	..	8.3	0	2	29	00	0	0	0	0	20	10	1	0	0
	0830	479	1004.7	951.8	+0.1	25.2	22.8	21.6	25.9	81	+ 2	6.5	+0.3	6.5	0	0	31	00	0	0	0	0	27	1	3	0	0
	1130	479	1003.9	951.6	..	28.6	23.6	21.4	25.5	66	..	7.3	..	13.2	0	6	25	00	0	0	0	0	11	18	2	0	0
	1430	479	1001.6	949.7	..	30.0	23.9	21.1	25.2	61	..	7.2	..	15.0	0	8	23	01	0	0	0	0	12	15	3	0	0
	1730	479	1000.9	948.7	-0.1	28.7	23.3	20.7	24.7	65	+ 4	7.5	+0.7	9.9	0	0	31	00	1	0	0	0	16	10	4	0	0
	2330	479	1005.0	952.0	..	24.6	22.1	20.9	24.7	80	..	6.1	..	10.6	0	4	27	00	0	0	0	0	14	15	2	0	0
MIRAJ	0830	554	..	..	..	24.5	22.4	21.5	25.3	84	- 3	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
	1730	554	..	..	..	25.5	22.5	21.1	24.7	78	+ 2	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
KOLHAPUR	0530	570	1004.3	941.2	-1.3	22.1	21.4	21.0	25.0	94	+18	7.0	+0.1	12.4	0	2	28	00	0	0	0	0	1	28	1	1	0
	0830	570	1005.6	942.6	+0.1	23.3	22.0	21.5	25.6	91	+ 1	6.8	-0.3	13.9	0	5	26	00	0	0	0	0	6	23	2	0	0
	1130	570	1005.6	942.9	..	24.7	22.6	21.6	25.9	84	..	6.9	..	19.5	0	17	14	00	0	0	0	0	8	19	4	0	0
	1730	570	1003.7	941.0	+0.2	23.9	22.2	21.4	25.6	87	+ 4	7.1	+0.0	16.3	0	7	24	00	0	0	0	0	9	22	0	0	0
	2330	570	1006.4	943.2	..	22.4	21.5	21.0	25.0	92	..	6.4	..	11.9	0	3	28	00	0	0	0	0	8	16	7	0	0
NASIK	0830		..	..	..	24.2	22.4	21.5	25.6	85	..	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
SANGLI	0830	549	1005.1	944.4	..	23.8	22.1	21.4	25.6	86	..	7.4	..	17.4	0	11	20	00	0	0	0	1	11	19	0	0	0
	1730	549	1003.0	942.8	..	25.2	22.5	21.1	25.0	78	..	7.0	..	24.9	0	24	7	00	0	0	0	0	13	15	3	0	0
SATARA	0830		(R)																								
	1730		(R)																								
MARATHWADA																											
AURANGABAD	0830	581	1005.4	941.4	+1.6	23.9	22.6	22.0	26.6	89	+ 2	6.9	-0.3	15.5	0	8	22	00	1	0	0	0	7	22	0	1	0
	1730	581	1000.5	937.3	+0.3	26.8	23.4	21.9	26.3	77	+ 5	6.6	-0.8	26.1	0	22	9	00	1	0	0	1	5	22	2	0	0
AURANGABAD (CHIKALTHAN)	0230	579	1002.1	938.2	..	23.0	21.6	20.9	24.8	88	..	6.8	..	16.2	0	8	22	01	0	1	0	0	6	21	1	1	0
	0530	579	1002.1	938.1	..	22.7	21.5	20.8	24.7	89	..	6.9	..	13.5	0	6	22	00	0	0	0	0	8	18	2	3	0
	0830	579	1003.1	939.3	+0.0	24.1	22.2	21.4	25.3	85	+ 1	6.7	-0.3	22.5	0	19	12	01	0	0	0	0	9	18	3	0	0
	1130	579	1002.4	939.3	..	27.1	23.3	21.6	25.8	72	..	6.8	..	29.2	0	29	2	01	1	0	0	0	9	18	2	0	0
	1430	579	1000.4	937.6	..	28.1	23.5	21.4	25.6	68	..	6.9	..	27.7	0	23	7	00	1	0	0	0	5	16	8	1	0
	1730	579	999.7	936.8	+0.1	27.0	22.8	20.9	24.7	70	+ 0	7.4	+0.1	25.0	0	20	11	00	1	0	0	0	8	13	9	0	0
	2030	579	1002.4	938.8	..	24.6	22.3	21.1	25.3	81	..	7.3	..	18.8	0	13	18	02	1	0	0	0	6	19	3	0	0
	2330	579	1003.5	939.6	..	23.5	21.8	21.0	24.9	86	..	7.5	..	17.4	0	9	21	00	0	0	0	0	7	21	2	1	0
PARBHANI	0830	423	1003.6	956.7	-0.1	25.0	22.9	21.8	26.3	83	+ 1	6.6	+0.1	12.0	0	2	28	00	0	0	0	0	3	27	0	1	0
	1730	423	999.6	953.5	+0.0	28.9	23.8	21.3	25.3	66	+ 1	6.8	-0.3	16.3	0	10	21	02	1	0	0	1	4	14	9	0	0
NANDER	0830	358	1003.7	963.9	..	25.7	23.3	22.0	26.4	80	..	7.1	..	5.3	0	0	25	00	0	0	0	0	23	0	2	6	0
	1730	358	999.9	960.9	..	27.8	24.0	22.2	27.3	74	..	7.0	..	5.8	0	0	27	00	1	0	0	0	26	0	0	4	0
BIR	0830	519	1004.3	946.8	..	25.0	22.4	21.2	23.8	79	..	6.8	..	6.5	0	0	29	00	0	0	0	0	17	9	3	2	0
	1730	519	1000.4	944.1	..	28.5	23.6	20.8	25.6	64	..	7.0	..	9.6	0	2	27	00	0	0	1	0	13	10	5	2	0
VIDARBHA																											
GONDIA	0830	313	1000.7	965.9	-1.0	25.3	24.0	23.4	28.8	89	+ 3	7.5	+0.6	3.2	0	0	20	00	0	0	0	0	13	2	5	11	0
	1730	313	997.6	963.1	-1.0	27.6	25.0	23.8	29.5	81	+ 4	6.0	-0.8	2.6	0	0	25	01	0	0	0	3	10	7	4	6	0
NAGPUR (SONEGAON)	0230	310	999.8	965.3	..	24.9	23.8	23.3	28.6	91	..	7.7	..	9.6	0	1	28	00	0	1	2	2	11	10	3	2	0
	0530	310	999.8	965.2	..	24.6	23.6	23.1	28.3	92	..	7.7	..	9.9	0	4	26	00	1	0	0	2	9	14	4	1	0
	0830	310	1001.1	966.7	-0.6	26.0	24.1	23.1	28.4	85	+ 2	7.5	+0.4	10.8	0	4	26	00	0	0	0	2	7	16	5	1	0
	1130	310	1000.7	966.5	..	28.5	24.8	23.1	28.3	73	..	7.6	..	18.8	0	14	17	02	0	1	0	0	5	13	10	0	0
	1430	310	998.6	964.6	..	29.5	25.1	23.1	28.3	70	..	7.4	..	19.1	0	16	14	00	1	0	0	0	4	17	8	1	0
	1730	310	997.6	963.6	-0.7	29.1	24.8	22.8	27.8	70	- 2	7.3	+0.0	16.8	0	10	20	01	0	1	2	1	4	11	10	1	0
	2030	310	999.9	965.6	..	26.7	24.6	23.6	29.2	84	..	7.3	..	9.0	0	2	29	01	0	0	2	4	8	12	4	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JULY 1969 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VIDARBHA (CONTD)																											
NAGPUR (SONEGAON)	2330	310	1001.0	966.5	..	25.5	24.1	23.5	28.9	89	..	7.6	..	11.2	0	6	24	00	0	0	0	2	11	13	4	1	0
AMRAVATI	0830	370	1001.5	960.5	-0.4	25.5	23.9	23.1	28.3	87	+ 3	7.3	+0.5	7.7	0	0	30	00	0	0	0	0	9	15	6	1	0
	1730	370	998.4	957.9	-0.2	28.1	24.6	22.9	28.0	74	+ 5	7.1	+0.0	10.1	0	1	30	01	0	0	0	1	5	19	5	0	0
AKOLA AERODROME	0530	309	1000.4	965.9	..	24.7	23.1	22.2	26.9	86	..	7.6	..	11.3	0	0	31	00	0	1	0	0	7	21	2	0	0
	0830	309	1001.6	967.1	..	25.9	23.7	22.7	27.6	83	..	7.5	..	12.9	0	1	30	00	1	0	0	0	6	21	3	0	0
	1130	309	1001.3	967.2	..	28.7	24.6	22.7	27.6	71	..	7.4	..	14.7	0	7	24	00	1	0	0	0	4	20	6	0	0
	1430	309	999.4	965.5	..	30.0	25.0	22.7	27.7	67	..	7.5	..	15.9	0	6	25	00	0	1	0	0	1	26	3	0	0
	1730	309	998.2	964.2	..	29.0	24.7	22.6	27.5	70	..	7.5	..	14.1	0	4	27	00	0	1	2	1	4	19	4	0	0
	2030	309	1000.2	965.9	..	26.6	24.0	22.8	27.8	81	..	7.5	..	12.4	0	2	28	00	2	1	1	0	5	19	2	1	0
	2330	309	1001.4	967.0	..	25.7	23.8	22.9	28.0	85	..	7.4	..	10.9	0	1	29	00	0	2	0	0	9	18	1	1	0
AKOLA	0830	282	1001.9	970.5	-0.1	26.2	24.1	23.2	28.4	84	+ 3	6.6	+0.4	7.6	0	0	31	00	1	0	0	0	26	3	1	0	0
	1730	282	999.0	968.0	+0.5	28.8	24.7	22.7	27.6	71	+ 3	7.0	+0.7	11.2	0	0	31	00	2	0	2	0	16	0	11	0	0
BRAHMAPURI	0830	229	1001.7	976.1	+0.0	26.0	24.4	23.7	29.2	87	+ 0	7.9	+0.7	6.5	0	0	31	02	0	1	0	5	6	13	4	0	0
	1730	229	998.2	972.9	-0.3	29.1	25.6	24.0	30.0	76	- 1	7.8	+0.8	7.2	0	0	31	03	0	0	0	6	7	11	4	0	0
BULDANA	0830	650	1002.3	931.1	-0.1	23.9	22.1	21.2	25.2	85	- 1	7.5	+0.5	10.6	0	3	27	01	0	0	0	0	13	2	14	1	0
	1730	650	999.2	928.7	-0.2	26.2	23.0	21.6	25.9	77	+ 6	7.4	+0.1	9.7	0	1	30	01	0	0	1	0	7	0	22	0	0
YEOTMAL	0830	451	1002.0	952.2	-0.1	25.2	23.0	21.9	26.3	83	- 3	6.6	-0.2	22.4[a]	0	18	9	00	0	0	1	0	9	17	0	0	0
	1730	451	998.4	949.3	-0.2	28.4	24.1	21.9	26.3	70	- 3	6.3	-0.8	20.3[a]	0	13	14	01	0	0	0	1	5	16	4	0	0
CHANDRAPUR	0830	193	1001.6	980.1	-0.5	26.3	24.6	23.8	29.5	86	+ 4	7.1	+0.3	12.1	0	3	26	01	0	0	0	2	8	12	6	2	0
	1730	193	998.1	976.8	-0.6	29.6	25.8	24.0	29.9	73	- 2	7.3	+0.4	12.5	0	9	20	02	0	0	1	2	4	12	8	2	0
PUSAD	0830	334	1003.0	965.9	..	26.2	23.7	22.4	27.2	80	..	5.7	..	8.5	0	1	30	00	0	0	0	0	19	9	3	0	0
	1730	334	999.5	962.9	..	29.3	24.9	22.7	27.8	69	..	6.3	..	9.8	0	2	29	00	0	0	0	0	21	0	10	0	0
SIRONCHA	0830	123	1002.9	989.0	-0.5	26.5	24.7	23.8	29.5	86	+ 1	7.5	+0.6	1.8	0	0	26	00	1	0	0	2	7	16	0	5	0
	1730	123	999.5	985.8	-0.4	29.2	25.7	24.2	30.2	76	+ 3	6.8	-0.2	1.7	0	0	25	01	1	6	3	4	6	4	0	6	0
WARDHA	0830	283	1001.9	970.3	..	25.7	24.3	23.6	29.1	88	..	6.8	..	5.1	0	0	31	05	0	1	1	2	9	7	6	0	0
	1730	283	998.7	967.5	..	28.7	25.5	24.0	29.9	77	..	7.4	..	5.0	0	0	31	07	0	1	0	0	5	10	8	0	0
BHANDARA	0830	266	1000.4	970.7	..	25.9	24.4	23.7	29.3	88	..	.	..	8.5	0	3	27	00	3	1	2	1	17	3	1	1	2
	1730	266	997.3	968.0	..	28.8	25.4	23.9	29.6	76	..	.	..	9.5	0	1	28	00	4	0	0	0	19	3	0	2	3
COASTAL ANDHRA PRADESH																											
KALINGAPATAM	0830	6	1000.8	1000.2	-0.6	28.4	26.7	26.0	33.6	86	+ 3	6.3	-0.1	12.2[b]	0	6	21	00	0	0	0	13	11	3	0	2	0
	1730	6	998.6	997.9	-0.4	28.5	26.8	26.1	33.9	87	+ 5	6.4	-0.4	14.6	0	8	19	00	0	0	0	13	13	1	0	2	0
VISHAKHAPATNAM	0230	3	1000.2	999.8	..	27.1	25.4	24.7	31.0	87	..	5.7	..	7.6	0	4	19	00	0	0	0	0	15	7	1	8	0
	0530	3	1000.3	999.9	..	26.7	25.2	24.6	30.9	88	..	6.7	..	10.3	0	5	18	00	0	0	0	0	14	9	0	8	0
	0830	3	1001.5	1001.1	-0.5	28.3	25.7	24.7	31.1	81	- 3	6.9	+0.0	11.8	0	6	22	00	0	0	0	0	17	11	0	3	0
	1130	3	1001.1	1000.7	..	30.3	26.9	25.6	32.8	76	..	6.9	..	16.2	0	11	19	00	0	0	0	3	17	10	0	1	0
	1430	3	999.3	998.9	..	31.2	27.2	25.5	32.7	73	..	6.8	..	17.4	0	15	16	00	0	0	0	3	18	7	2	0	1
	1730	3	999.1	998.7	-0.2	29.5	26.6	25.4	32.5	79	- 3	7.1	+0.1	14.5	0	7	23	00	0	0	1	3	17	7	2	1	0
	2030	3	1001.0	1000.6	..	28.1	26.0	25.1	31.9	84	..	5.5	..	8.7	0	4	21	01	0	0	0	1	17	6	0	6	0
	2330	3	1001.5	1001.1	..	27.5	25.8	25.0	31.8	93	..	5.4	..	9.4	0	5	21	00	0	0	1	0	16	8	1	5	0
COCANADA	0830	8	1003.3	1002.4	+0.1	28.4	26.0	25.0	31.7	82	+ 1	6.3	+0.2	14.8	0	5	26	00	0	0	0	0	31	0	0	0	0
	1730	8	1000.3	999.4	+0.1	29.7	26.4	25.0	31.7	77	+ 4	6.3	+0.3	13.4	0	4	27	00	0	0	0	0	29	1	1	0	0
NIDADAVOLE	0830	12	1003.4	1002.0	-0.1	27.0	25.3	24.6	30.9	87	+ 1	7.5	+0.2	11.1	0	2	29	00	0	0	0	0	22	9	0	0	0
	1730	12	1000.7	999.3	+0.2	29.8	26.3	24.8	31.4	76	+ 0	7.5	+0.2	11.4	0	3	28	00	1	0	0	1	13	14	2	0	0
RENTACHINTALA	0830	106	1004.3	992.4	+0.4	28.2	24.0	22.0	26.5	70	+ 0	6.3	-0.7	3.0	0	0	31	00	0	0	0	0	3	28	0	0	0
	1730	106	1000.3	988.6	+0.2	32.1	24.9	21.3	25.6	56	+ 2	6.8	-0.3	2.3	0	0	29	00	0	0	0	0	2	27	0	2	0
GANNAVARAM	0230	24	1002.1	999.4	..	26.3	24.5	23.6	29.2	86	..	6.8	..	12.8	0	5	23	00	0	0	0	3	9	14	2	3	0
	0530	24	1002.4	999.8	..	26.1	24.1	23.2	28.4	85	..	7.0	..	11.5	0	5	21	00	0	0	0	1	7	16	2	5	0
	0830	24	1004.0	1001.3	+0.0	27.6	24.5	23.1	28.3	77	- 2	6.7	+0.0	17.9	0	12	19	01	0	0	0	0	5	22	3	0	0
	1130	24	1003.4	1000.7	..	29.9	25.2	23.1	28.3	68	..	6.7	..	21.0	0	19	12	00	0	0	0	0	5	25	1	0	0
	1430	24	1001.4	998.7	..	31.2	25.4	22.8	27.8	62	..	7.0	..	20.6	0	16	15	00	0	0	0	1	2	25	3	0	0
	1730	24	1000.5	997.8	-0.2	30.5	25.4	23.1	28.3	66	+ 1	7.1	+0.4	13.2	0	7	22	01	0	0	0	3	7	12	6	2	0
	2030	24	1002.7	999.9	..	28.3	25.4	24.1	30.1	79	..	6.5	..	9.7	0	3	18	00	0	1	0	10	2	7	1	10	0
	2330	24	1003.5	1000.8	..	27.0	25.0	24.1	30.1	85	..	7.2	..	14.5	0	9	20	01	0	1	0	8	6	13	0	2	0
MASULIPATAM	0830	3	1004.1	1003.8	+0.1	27.4	24.4	23.0	28.2	78	- 2	6.6	+0.7	3.4	0	0	31	00	0	0	0	2	22	4	3	0	0
	1730	3	1000.9	1000.6	+0.2	30.3	25.5	23.4	28.9	69	- 1	6.8	+0.9	3.4	0	0	28	01	0	0	0	3	13	9	2	3	0
ONGOLE	0830	12	1004.5	1003.2	+0.0	28.8	24.7	22.7	27.7	71	- 7	5.1	-1.1	5.4[a]	0	0	28	00	0	0	1	0	5	19	3	3	0
	1730	12	1000.9	999.6	-0.2	32.5	25.8	22.7	27.7	59	-11	5.6	-0.6	5.5[a]	0	0	28	01	0	0	0	0	4	19	4	2	0
NELLORE	0530	20	1004.1	1001.9	..	27.0	24.6	23.6	29.1	82	..	6.5	..	1.9	0	0	8	00	0	0	0	0	8	0	0	23	0
	0830	20	1005.8	1003.6	+0.7	29.1	25.5	23.9	29.8	75	+10	6.1	-0.6	7.4	0	0	30	00	0	0	1	0	27	2	0	1	0
	1130	20	1004.9	1002.7	..	32.5	26.2	23.3	28.8	60	..	5.9	..	10.4	0	1	30	00	0	0	0	1	25	5	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JULY 1969 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL ANDHRA PRADESH (CONTD.)																											
NELLORE	1430	20	1002.8	1000.6	..	34.3	26.9	23.7	29.6	56	..	6.2	..	9.7	0	0	31	00	0	0	0	1	26	4	0	0	0
	1730	20	1002.2	1000.0	+0.9	33.4	26.8	24.0	29.9	60	+ 9	6.3	-0.4	6.4	0	0	31	00	0	0	0	0	19	11	1	0	0
	2330	20	1005.1	1002.9	..	28.2	25.6	24.4	30.8	82	..	6.8	..	2.7	0	0	9	00	0	0	0	0	7	2	0	22	0
VISHAKHAPATNAM (SULAR)	0830	66	1001.3	993.9	..	27.6	25.1	24.0	29.9	81	..	7.4	..	7.4	0	1	28	00	0	0	0	1	24	4	0	2	0
TELANGANA																											
RAMGUNDAM	0830	156	1002.6	985.1	-0.3	26.7	24.1	22.9	28.0	81	+ 2	7.3	+0.4	3.0	0	0	28	00	0	0	0	2	7	16	3	3	0
	1730	156	999.2	981.9	-0.4	30.3	25.3	23.0	28.2	68	+ 1	6.9	+0.3	2.9	0	0	19	00	0	0	0	3	3	13	0	12	0
NIZAMABAD	0830	381	1003.3	961.0	+0.0	..	..	..	..	..	.	..	7.3	+1.4	3.0	0	0	23	00	0	0	0	0	23	0	0	8
	1730	381	999.4	957.8	+0.1	..	..	..	..	..	.	..	7.4	+1.1	2.3	0	0	19	00	0	0	0	0	18	1	0	12
HANAMKUNDA	0830	269	1003.4	973.5	+0.1	26.9	23.5	22.0	26.4	78	+ 1	6.7	+0.3	1.7	0	0	25	00	0	0	0	0	1	22	2	6	0
	1730	269	1001.0	971.5	+1.0	29.8	24.8	22.5	27.4	67	+ 2	6.4	-0.1	1.4	0	0	22	01	0	0	0	3	3	12	3	9	0
HAKIMPET AERODROME	0530	613	1002.9	935.4	..	22.5	21.3	20.8	24.6	90	..	7.1	..	34.2	0	27	4	00	0	0	0	0	1	26	4	0	0
	0830	613	1003.6	936.3	..	23.9	22.1	21.1	25.1	85	..	7.3	..	38.4	0	28	3	00	0	0	0	0	1	26	4	0	0
	1130	613	1002.7	936.1	..	27.0	23.2	21.5	25.6	72	..	7.3	..	43.7	3	24	4	00	0	0	0	0	1	23	7	0	0
	1730	613	1000.6	934.2	..	27.5	23.1	21.2	25.2	70	..	7.0	..	35.2	1	24	6	00	0	0	0	0	2	21	8	0	0
	2330	613	1003.5	936.2	..	23.7	22.1	21.3	25.4	87	..	7.2	..	34.2	1	23	7	00	0	0	0	0	4	22	5	0	0
BHADRACHALLAM	0830	111	1002.9	990.5	-1.0	26.3	24.4	23.5	29.0	85	+ 3	7.3	+0.1	3.3	0	0	31	01	3	0	0	0	20	0	7	0	0
	1730	111	999.8	987.4	-0.6	29.5	25.8	24.2	30.3	75	+ 6	7.1	-0.3	3.7	0	0	31	00	3	0	0	0	17	1	10	0	0
HYDERABAD (BEGAMPET)	0230	545	1002.6	942.6	..	23.7	21.8	20.9	24.7	84	..	7.2	..	20.1	0	17	14	00	0	0	0	0	1	22	8	0	0
	0530	545	1002.7	942.6	..	23.2	21.6	20.8	24.6	87	..	7.2	..	20.2	0	17	14	00	0	0	0	0	0	24	7	0	0
	0830	545	1004.2	944.2	+0.2	24.2	21.9	20.7	24.5	81	- 2	7.5	+0.5	23.5	0	25	6	00	0	0	0	0	0	20	11	0	0
	1130	545	1003.2	943.8	..	27.4	22.9	20.8	24.6	68	..	7.4	..	29.3	0	30	1	00	0	0	0	0	0	17	14	0	0
	1730	545	999.8	940.8	+0.1	28.3	23.2	20.7	24.6	66	- 3	7.3	+0.3	21.7	0	21	10	00	0	0	0	0	3	20	8	0	0
	2330	545	1003.8	943.9	..	24.4	22.2	21.1	25.1	83	..	7.1	..	19.6	0	18	13	00	0	0	0	0	2	19	10	0	0
KHAMMAM	0830	112	1003.7	991.1	-0.2	26.4	24.6	23.8	29.4	86	+ 5	7.3	+0.8	7.3	0	0	30	00	0	0	0	0	11	17	2	1	0
	1730	112	1000.3	988.2	+0.2	29.7	25.7	23.9	29.8	73	+ 6	6.9	-0.1	2.2	0	0	19	04	0	1	0	0	1	10	3	12	0
MAHBUBNAGAR	0830	505	1004.9	949.0	-0.1	24.4	22.2	21.1	25.1	82	- 2	7.2	+0.0	7.7	0	0	31	01	0	0	0	1	18	7	4	0	0
	1730	505	1000.7	945.7	-0.4	28.2	23.3	21.1	25.0	67	- 2	7.5	+0.2	7.8	0	0	31	00	0	0	0	1	10	14	6	0	0
RAYALASEEMA																											
KURNOOL	0830	281	1005.9	974.5	+0.4	26.7	23.2	21.4	25.5	73	- 2	6.9	+0.0	20.8	0	13	18	00	0	0	0	0	30	0	1	0	0
	1730	281	1001.5	970.5	+0.2	30.2	23.9	20.7	24.5	59	+ 2	7.6	+0.5	24.3	0	18	12	00	0	0	0	0	26	0	0	0	4
NANDYAL	0830	212	1005.1	981.4	..	26.6	23.5	22.0	26.5	77	..	6.6	..	6.5	0	4	15	00	0	0	0	2	3	8	6	12	0
	1730	212	1001.6	978.3	..	31.3	24.2	20.6	24.5	55	..	7.1	..	16.1	0	11	18	03	0	0	0	1	2	17	6	2	0
ANANTAPUR	0530	350	1004.8	965.8	..	24.7	22.3	21.1	25.0	80	..	6.4	..	13.4	0	6	23	00	0	0	0	0	6	23	0	2	0
	0830	350	1006.0	967.1	+0.2	26.4	23.1	21.3	25.4	74	+ 1	6.9	+0.0	18.2	0	16	15	00	0	0	0	0	4	27	0	0	0
	1130	350	1004.9	966.6	..	30.1	23.7	20.4	24.0	57	..	6.8	..	25.5	0	24	7	00	0	0	0	0	9	21	1	0	0
	1430	350	1002.5	964.5	..	32.2	24.1	20.0	23.5	49	..	6.9	..	27.4	0	27	4	00	0	0	0	0	6	22	3	0	0
	1730	350	1002.1	963.9	+0.3	30.3	23.8	20.2	23.8	57	+ 4	7.0	+0.1	26.6	0	26	5	00	0	0	0	0	5	23	3	0	0
	2030	350	1005.0	966.3	..	27.7	23.0	20.7	24.5	67	..	6.0	..	19.2	0	15	15	00	0	0	0	0	2	27	1	1	0
	2330	350	1006.1	967.2	..	26.1	22.7	21.0	24.9	74	..	6.0	..	19.4	0	16	15	00	0	0	0	0	2	29	0	0	0
CUDDAPAH	0830	130	1006.3	991.6	-0.1	27.9	23.9	21.9	26.4	71	+ 4	6.0	-0.7	2.4	0	0	15	00	0	0	0	0	0	15	0	16	0
	1730	130	1001.9	987.6	+0.0	32.0	24.6	20.8	24.8	55	- 3	6.8	+0.2	4.5	0	0	21	00	0	0	0	0	0	21	0	10	0
AROGYAVARAM	0830	701	1007.2	931.0	+1.4	24.9	23.3	22.4	27.3	77	+ 5	6.7	-0.2	13.3	0	2	29	00	0	0	0	6	0	6	19	0	0
	1730	701	1002.5	927.4	+0.6	29.1	25.2	23.7	29.6	63	+ 6	7.5	+0.3	13.2	0	2	29	00	0	0	0	8	0	4	19	0	0
TAMIL NADU (INCLUDING PONDICHERRY)																											
MADRAS	0830	6	1006.3	1005.6	+0.5	28.8	24.4	22.4	27.1	69	+ 0	6.6	+0.3	9.0	0	0	31	00	0	0	2	0	9	15	5	0	0
	1730	6	1003.0	1002.3	..	30.8	25.8	23.4	28.9	66	..	6.9	..	9.1	0	0	31	00	0	2	13	4	6	5	1	0	0
MADRAS (MINAMBAKKAM)	0230	16	1004.4	1002.7	..	27.6	24.1	22.4	27.2	75	..	6.3	..	11.2	0	6	21	00	0	0	0	0	13	14	0	4	0
	0530	16	1004.8	1003.1	..	27.1	23.5	21.8	26.2	74	..	7.0	..	11.2	0	4	23	00	0	0	0	1	10	16	0	4	0
	0830	16	1006.1	1004.4	+0.2	29.0	24.1	21.7	26.0	66	+ 1	6.5	-0.1	14.6	0	7	24	00	0	0	0	2	11	17	1	0	0
	1130	16	1005.4	1003.7	..	32.5	24.8	21.0	25.0	52	..	6.4	..	19.9	0	16	15	00	0	0	0	0	11	18	2	0	0
	1430	16	1003.2	1001.5	..	34.4	25.3	20.9	25.0	47	..	6.8	..	17.7	0	10	21	00	0	1	2	0	12	12	4	0	0
	1730	16	1002.8	1001.1	+0.4	31.4	25.6	22.9	28.2	62	+ 1	6.7	-0.4	15.4	0	7	23	00	0	0	8	9	7	3	3	1	0
	2030	16	1005.0	1003.3	..	28.7	25.3	23.8	29.6	76	..	6.4	..	13.4	0	6	23	01	1	0	1	14	8	4	0	2	0
	2330	16	1005.7	1004.0	..	28.3	24.6	22.9	28.1	74	..	6.5	..	11.0	0	4	24	02	0	0	0	9	10	6	1	3	0
VELLORE	0530	214	1005.4	981.4	..	26.2	22.8	21.0	25.0	74	..	6.5	..	7.0	0	1	23	00	0	0	0	0	4	20	0	7	0
	0830	214	1006.7	982.8	+0.5	27.0	23.7	21.6	25.9	70	+ 4	6.4	+0.4	7.7	0	0	30	00	0	0	0	0	2	26	2	1	0
	1130	214	1005.6	982.1	..	32.0	24.7	21.1	25.2	53	..	6.5	..	7.8	0	0	29	00	0	0	0	0	2	27	0	2	0
	1730	214	1002.5	979.1	+0.5	32.5	24.8	20.9	25.0	53	+ 2	6.9	+0.3	8.2	0	1	28	00	0	2	0	1	2	22	2	2	0
	2330	214	1006.5	982.6	..	28.1	23.5	21.0	25.0	68	..	6.1	..	3.9	0	0	20	00	0	0	0	0	0	20	0	11	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JULY 1969 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lic. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TAMILNADU(INCLUDING PONDICHERRY)(CONTD.)																											
TAMBARAM AERODROME.....	0830	29	1006.0	1002.8	..	29.0	24.0	21.5	25.7	65	..	6.7	..	16.9	0	9	21	00	0	0	0	0	9	20	0	1	1
	1730	29	1003.1	999.9	..	32.0	25.2	21.9	26.5	57	..	7.0	..	23.4	0	18	13	03	0	0	2	12	6	7	1	0	0
TIRUPPATTUR.....	0830	390	1007.6	964.2	+0.8	25.2	23.7	23.0	28.1	89	+13	7.7	+0.8	4.0	0	0	27	04	1	1	0	11	2	7	1	4	0
	1730	390	1004.4	961.6	+1.3	29.3	24.3	22.0	26.5	66	+ 8	7.8	+0.7	7.4	0	0	30	08	2	0	0	7	4	9	0	1	0
METTUR DAM R.S.....	0830		..	..	..	27.5	23.1	20.7	24.5	67	..	5.3	..	8.6	0	3	25	00	0	0	3	0	25	0	0	3	0
	1730		..	..	..	31.7	23.2	18.5	21.4	47	..	6.4	..	10.6	0	3	28	00	4	0	0	0	19	0	8	0	0
CUDDALORE.....	0530	12	1005.3	1004.0	..	27.1	23.7	22.0	26.6	75	..	6.1	..	1.4	0	0	9	00	1	0	0	0	7	1	0	22	0
	0830	12	1006.4	1005.2	-0.1	29.5	24.4	22.0	26.5	65	- 3	6.2	+0.1	8.3	0	1	27	00	1	1	0	1	21	4	0	3	0
	1130	12	1005.8	1004.5	..	33.6	25.1	20.9	24.9	49	..	6.1	..	11.5	0	1	30	00	0	0	1	2	19	8	1	0	0
	1430	12	1003.6	1002.3	..	35.0	25.5	20.8	24.8	45	..	6.3	..	13.0	0	3	27	00	1	1	6	0	13	7	2	1	0
	1730	12	1003.0	1001.7	-0.2	32.7	25.6	22.1	27.1	56	- 4	6.5	+0.0	12.1	0	2	28	00	0	1	13	2	12	2	0	1	0
	2330	12	1006.1	1004.8	..	29.0	24.6	22.4	27.2	69	..	6.4	..	11.0	0	4	25	00	1	0	1	6	17	4	0	2	0
KALLAKKURICHCHI.....	0830		(R)																								
	1730		(R)																								
SALEM.....	0530	278	1005.6	974.5	..	24.5	22.0	20.5	24.2	71	+20	4.6	-1.7	4.8	0	0	21	00	0	0	0	0	2	1	18	10	0
	0830	278	1007.3	976.3	+0.1	26.1	22.6	20.7	24.5	73	- 5	5.8	-0.3	3.4	0	0	22	00	0	0	0	4	3	4	11	9	0
	1130	278	1006.1	975.5	..	30.5	23.5	19.8	23.2	54	..	6.6	..	8.2	0	0	31	00	0	0	0	3	14	13	1	0	0
	1730	278	1003.1	972.7	-0.1	32.0	23.4	18.8	21.8	47	- 9	7.1	+0.1	4.8	0	0	25	00	0	0	0	3	14	8	0	6	0
	2330	278	1007.1	975.1	..	26.9	22.5	20.3	24.1	68	..	3.9	..	5.8	0	0	21	00	0	0	0	0	15	4	2	10	0
COIMBATORE(PILAMEDU).....	0530	399	1007.0	962.3	..	22.7	21.6	21.1	25.0	91	..	5.2	..	19.8	0	15	16	00	0	0	0	4	26	1	0	0	0
	0830	399	1008.3	963.8	+0.5	24.7	22.6	21.5	25.7	83	+ 2	6.2	+0.6	23.9	0	22	9	00	0	0	0	8	22	1	0	0	0
	1130	399	1007.5	963.6	..	28.2	23.0	20.3	23.9	64	..	6.4	..	30.9	0	26	5	00	0	0	0	7	17	7	0	0	0
	1430	399	1005.5	961.8	..	29.1	23.3	20.2	23.8	60	..	6.5	..	33.3	0	28	3	00	0	0	0	4	21	6	0	0	0
	1730	399	1005.6	961.5	+0.8	26.9	22.6	20.4	24.0	69	+ 1	6.8	+0.2	32.7	0	29	2	00	0	0	0	2	23	6	0	0	0
	2030	399	1007.9	963.4	..	24.1	22.3	21.4	25.6	85	..	5.5	..	24.4	0	23	8	00	0	0	0	2	29	0	0	0	0
	2330	399	1008.6	964.0	..	23.7	22.1	21.2	25.3	87	..	5.0	..	22.6	0	23	8	00	0	0	0	6	23	2	0	0	0
COIMBATORE.....	0830	409	1008.5	962.7	+0.5	25.1	22.1	20.5	24.3	76	- 1	7.3	+0.8	10.5	0	0	31	00	0	0	0	0	29	2	0	0	0
NAGAPATTINAM.....	0830	9	1007.5	1006.4	+0.2	29.7	23.8	20.8	24.7	59	- 6	6.8	+1.0	14.6	0	12	18	00	0	0	0	0	9	20	1	1	0
	1730	9	1004.1	1003.1	+0.4	31.8	25.6	22.6	27.7	60	- 3	6.9	+1.0	18.3	0	15	16	00	0	0	4	10	14	3	0	0	0
TIRUCHCHIRAPPALLI.....	0230	88	1005.4	995.6	..	28.0	23.2	20.7	24.5	65	..	5.7	..	28.1	0	28	3	00	0	0	0	0	6	25	0	0	0
	0530	88	1005.5	995.6	..	27.4	23.1	20.9	24.8	68	..	5.9	..	23.4	0	23	8	00	0	0	0	0	7	24	0	0	0
	0830	88	1007.0	997.1	-0.1	29.3	23.8	21.2	25.2	62	+ 1	6.2	+0.1	28.4	0	29	2	00	0	0	0	0	7	24	0	0	0
	1130	88	1006.2	996.5	..	33.9	24.7	20.1	23.7	45	..	6.0	..	31.4	0	27	4	00	0	0	0	1	8	22	0	0	0
	1430	88	1003.6	994.0	..	35.7	24.9	19.4	22.8	39	..	6.6	..	29.3	0	24	7	00	0	0	0	1	7	22	1	0	0
	1730	88	1003.3	993.7	+0.0	33.7	24.3	19.6	22.7	44	+ 1	6.9	+0.5	31.4	0	27	4	00	0	0	0	1	7	22	1	0	0
	2030	88	1006.0	996.2	..	30.4	23.5	19.9	23.3	54	..	5.9	..	30.0	0	29	1	00	0	0	1	0	7	22	0	1	0
	2330	88	1006.9	997.0	..	29.0	23.1	20.0	23.4	59	..	5.8	..	28.1	0	29	2	00	0	0	0	0	6	25	0	0	0
VEDARANNIYAM.....	0830	4	1007.5	1007.0	..	30.4	25.0	22.5	27.3	63	..	5.5	..	10.7	0	1	29	00	0	0	1	3	21	0	5	1	0
	1730	4	1005.0	1004.5	..	29.9	25.9	24.1	30.1	72	..	5.8	..	15.9	0	8	23	00	0	0	4	7	17	0	3	0	0
ATIRAMPATTINAM.....	0830	6	1007.2	1006.5	..	29.8	24.0	21.0	25.0	60	..	4.9	..	6.6	0	1	29	00	0	0	0	11	3	11	4	1	1
	1730	6	1004.2	1003.5	..	30.1	26.3	24.7	31.1	73	..	6.6	..	22.5	0	22	9	00	0	0	1	24	5	1	0	0	0
MADURAI.....	0830	133	1007.5	992.7	+0.4	30.0	23.3	19.8	23.4	55	- 1	4.4	-1.5	5.5	0	0	31	19	0	0	0	0	0	1	11	0	0
MADURAI AERODROME.....	0530	131	1006.0	991.2	..	27.3	22.1	19.2	22.3	62	..	4.8	..	17.4	0	8	22	01	0	0	2	2	4	14	7	1	0
	0830	131	1007.3	992.7	+0.3	30.1	22.7	18.8	21.7	51	-11	5.9	-0.1	19.0	0	13	14	01	0	0	0	2	3	17	4	4	0
	1130	131	1006.4	992.0	..	33.9	23.3	17.5	20.0	38	..	6.1	..	27.0	0	23	8	00	0	0	0	0	8	22	1	0	0
	1730	131	1004.1	989.7	+0.3	32.6	22.8	17.3	19.8	41	-11	6.5	-0.1	33.7	0	28	2	00	0	0	0	1	1	27	1	1	0
TONDI.....	0830	5	1007.9	1007.3	+0.4	30.2	24.7	22.0	26.5	62	-11	6.5	+0.4	4.5	0	0	25	02	0	1	3	5	11	3	0	6	0
	1730	5	1004.7	1004.1	+0.3	30.4	26.2	24.3	30.6	72	- 1	7.1	+0.7	17.0	0	10	20	00	0	1	11	12	6	0	0	1	0
PAMBAN.....	0830	11	1007.9	1006.6	+0.2	28.3	26.2	25.3	32.3	84	+ 7	5.4	+1.4	17.0	0	14	17	00	0	1	0	12	14	3	1	0	0
	1730	11	1005.0	1003.7	+0.2	29.6	27.1	26.0	34.0	82	+ 3	6.8	+2.2	19.9	0	15	16	00	0	0	4	17	10	0	0	0	0
TUTICORIN.....	0830	4	1008.4	1008.0	+0.3	29.9	23.7	20.6	24.4	58	+ 0	5.2	+1.1	17.2	0	12	19	00	0	0	0	0	6	25	0	0	0
	1730	4	1005.7	1005.3	+0.6	32.0	24.0	19.8	23.3	49	- 4	5.9	+2.0	23.7	0	23	8	00	0	0	0	2	1	28	0	0	0
PALAYANKOTTAI.....	0830	51	1008.2	1002.5	+0.4	29.5	23.7	20.7	24.5	60	+ 1	5.7	+0.1	13.6	0	5	25	02	0	0	0	0	3	17	7	1	1
	1730	51	1005.7	1000.1	+0.7	31.1	23.7	19.8	23.2	52	- 1	6.2	-0.1	20.1	0	16	15	02	0	0	0	0	4	14	10	0	1
KANNIYAKUMARI.....	0830	37	1009.3	1005.2	..	26.6	24.0	22.8	28.0	80	..	5.7	..	19.6	0	15	16	00	0	0	0	0	4	25	2	0	0
	1730	37	1007.2	1003.0	..	27.1	24.1	22.7	27.6	77	..	6.7	..	21.5	0	18	13	00	0	0	0	0	9	21	1	0	0
PONDICHERRY.....	0830		1006.0	1005.4	..	29.3	25.3	23.4	28.9	71	..	5.5	..	11.0	0	2	29	00	0	0	0	2	11	14	4	0	0
	1730		1002.2	1001.6	..	31.1	26.7	24.7	31.6	71	..	6.4	..	22.1	0	15	16	00	0	0	13	4	6	6	2	0	0
PORTNOVO.....	0830	3	1006.3	1006.0	..	30.4	25.4	23.1	28.5	67	..	4.7	..	11.1	0	2	29	01	0	0	1	0	23	1	5	0	0
[illegible] H.P.....	0830	3	1008.1	1007.8	..	29.3	24.4	22.1	26.6	66	..	5.4	..	20.8	0	18	13	00	0	0	0	2	7	20	2	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JULY 1969 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TAMILNADU (INCLUDING PONDICHERRY)																											
TUTICORIN H.P.	1130	3	1007.6	1007.3	..	32.4	25.1	21.4	25.7	54	..	5.6	..	23.7	0	16	15	00	0	2	2	4	3	17	3	0	0
	1430	3	1005.4	1005.1	..	33.3	25.1	20.9	25.1	51	..	5.7	..	29.5	0	31	0	00	0	0	1	7	2	20	1	0	0
	1730	3	1005.4	1005.1	..	31.9	24.1	20.1	23.8	51	..	6.4	..	28.9	0	28	3	00	0	0	0	3	0	26	2	0	0
COASTAL MYSORE																											
KARWAR	0830	4	1007.6	1007.1	+0.2	26.9	25.3	24.6	30.9	87	- 1	7.5	-0.1	6.5	0	0	31	00	1	0	1	0	12	2	14	0	1
	1730	4	1006.3	1005.8	+0.3	27.5	25.6	24.8	31.4	85	- 1	7.5	+0.0	7.7	0	2	29	00	0	0	1	0	11	2	16	0	1
HONAVAR	0830	26	1008.2	1005.2	+0.1	25.9	24.9	24.4	30.6	91	- 1	7.3	+0.1	5.2	0	0	29	01	0	1	1	4	6	14	2	2	0
	1730	26	1006.2	1003.3	-0.2	26.7	25.2	24.5	30.8	87	- 3	7.4	+0.3	4.6	0	0	28	00	0	2	0	3	0	21	2	3	0
MANGALORE (BAJPE)	0230	102	1007.5	995.9	..	24.4	23.7	23.4	28.8	94	..	7.4	..	8.9	0	3	19	00	0	1	2	2	6	6	5	9	0
	0530	102	1007.2	995.7	..	24.1	23.5	23.2	28.4	95	..	7.5	..	11.8	0	5	20	01	0	2	0	1	6	11	4	6	0
	0830	102	1008.6	997.1	+0.2	24.8	24.1	23.7	29.3	93	+ 0	7.5	+0.1	7.7	0	0	21	03	1	0	1	0	7	8	1	10	0
	1130	102	1008.7	997.3	..	26.8	25.2	24.5	30.7	87	..	7.5	..	16.3	0	12	16	02	0	1	0	1	10	11	2	3	1
	1430	102	1007.3	995.9	..	26.7	25.0	23.5	30.3	87	..	7.6	..	19.2	0	13	17	00	0	0	0	0	8	18	4	1	0
	1730	102	1006.7	995.3	+0.1	26.4	24.9	24.3	30.4	88	- 1	7.5	+0.0	15.1	0	10	19	00	0	0	0	1	8	17	3	2	0
	2030	102	1008.6	996.4	..	25.3	24.3	23.8	29.6	92	..	7.1	..	10.1	0	1	23	00	0	0	0	1	7	15	1	7	0
	2330	102	1009.1	997.6	..	25.0	24.2	23.8	29.5	93	..	7.2	..	13.3	0	6	23	00	1	1	0	1	11	14	1	2	0
MANGALORE	0830	22	1009.0	1006.5	+0.3	25.9	24.6	24.0	29.8	89	- 2	7.6	+0.1	4.0	0	0	28	00	0	2	2	0	10	5	0	3	9
	1730	22	1007.1	1004.6	+0.2	27.2	25.4	24.6	31.0	86	- 2	7.6	+0.1	5.7	0	0	31	00	0	0	0	0	22	5	0	0	4
MANGALORE H.P.	0830	22	1008.3	1004.7	..	25.5	24.8	24.4	30.6	94	..	7.3	..	6.2	0	0	30	02	2	2	2	2	4	12	4	1	0
	1130	22	1008.6	1005.0	..	27.4	25.8	25.1	32.0	88	..	6.7	..	10.5	0	0	31	01	1	2	1	0	9	13	4	0	0
	1730	22	1006.7	1003.1	..	26.8	25.4	24.7	31.2	90	..	7.3	..	10.8	0	3	27	02	0	0	0	0	6	15	7	1	0
INTERIOR MYSORE, NORTH																											
BIDAR	0830	664	1004.0	931.1	+0.0	23.1	21.6	20.9	24.7	87	+ 1	7.9	+0.9	27.3	0	26	5	00	0	0	0	0	19	12	0	0	0
	1730	664	999.6	927.9	-0.4	27.1	22.5	20.2	23.8	68	+ 1	7.5	+0.3	19.2	0	12	19	00	0	0	0	0	15	15	1	0	0
GULBARGA	0830	458	1004.9	954.0	-0.1	24.4	22.4	21.6	25.8	85	+ 4	7.7	+1.0	13.8	0	5	26	00	0	0	0	0	15	15	1	0	0
	1730	458	1000.8	950.8	+0.1	28.6	23.0	20.4	24.1	64	+ 2	7.5	+0.4	14.6	0	9	21	00	0	0	0	0	2	27	1	1	0
BIJAPUR	0830	594	1005.5	940.0	+0.4	23.7	22.0	21.1	25.1	86	+ 6	7.9	+1.6	20.6	0	17	14	00	0	0	0	0	5	25	1	0	0
	1730	594	1001.4	937.1	+0.1	28.2	22.7	20.2	23.8	63	+ 1	7.9	+1.3	14.3	0	4	27	00	0	0	0	0	4	25	2	0	0
RAICHUR	0830	400	1005.6	961.3	+0.2	25.2	22.5	21.1	25.1	79	+ 1	5.8	+0.0	9.5	0	1	30	00	0	0	0	0	27	0	4	0	0
	1730	400	1001.5	957.9	+0.2	29.4	23.1	19.7	23.1	58	- 1	6.5	+0.2	12.1	0	0	31	00	0	0	0	1	11	13	6	0	0
BELGAUM	0830	753	1006.6	923.9	+0.1	21.8	21.4	21.1	25.2	96	+ 6	7.9	+0.9	4.8	0	0	30	00	0	0	0	0	0	30	0	1	0
	1730	753	1004.4	922.2	-0.2	22.7	21.9	21.5	25.7	93	+ 1	7.9	+0.8	5.8	0	0	29	00	0	0	0	0	8	16	5	1	0
BELGAUM (SAMRA)	0530	747	1005.3	923.1	..	21.1	20.3	20.0	23.3	93	..	7.5	..	19.5	0	14	17	00	0	0	0	0	8	21	2	0	0
	0830	747	1006.5	924.4	+0.3	22.0	20.9	20.3	23.9	90	- 1	7.5	+0.1	18.1	0	12	19	00	0	0	0	0	9	21	1	0	0
	1130	747	1006.3	924.7	..	23.7	21.7	20.7	24.5	84	..	7.3	..	25.9	0	24	7	00	0	0	0	0	6	23	2	0	0
	1430	747	1004.9	923.5	..	23.9	21.7	20.6	24.3	82	..	7.4	..	29.1	0	27	4	00	0	0	0	0	6	25	0	0	0
	1730	747	1004.6	923.0	+0.2	22.9	21.2	20.3	23.8	85	- 2	7.4	+0.0	26.1	0	26	5	00	0	0	0	0	6	25	0	0	0
	2030	747	1006.6	924.5	..	21.6	20.6	20.1	23.5	91	..	7.3	..	18.8	0	12	19	00	0	0	0	0	5	26	0	0	0
GADAG	0530	650	1005.5	933.6	..	21.6	21.0	20.7	24.4	94	..	7.1	..	13.5	0	5	25	00	0	0	0	0	12	18	0	1	0
	0830	650	1005.5	934.0	-0.8	23.1	22.0	21.4	25.5	90	+ 6	7.3	+0.4	11.0	0	0	31	00	0	0	0	0	4	27	0	0	0
	1130	650	1005.6	934.9	..	26.5	22.9	21.3	25.3	73	..	7.2	..	18.8	0	15	16	00	0	0	0	0	11	20	0	0	0
	1430	650	1003.9	933.5	..	27.4	23.3	21.4	25.6	71	..	7.4	..	20.4	0	15	16	00	0	0	0	0	13	18	0	0	0
	1730	650	1003.6	932.8	+0.1	25.8	22.7	21.3	25.5	77	+ 4	7.4	+0.5	13.4	0	2	29	00	0	0	0	0	6	25	0	0	0
	2030	650	1006.4	934.8	..	23.0	21.8	21.1	25.1	89	..	6.1	..	15.1	0	7	23	00	0	0	0	0	8	22	0	1	0
	2330	650	1007.2	935.4	..	22.2	21.5	21.1	25.0	93	..	6.3	..	14.1	0	7	24	00	0	0	0	0	11	20	0	0	0
BIDAR A.F.	0530	665	1003.3	930.0	..	21.9	20.5	19.8	23.1	87	..	7.2	..	26.5	0	20	11	00	0	0	0	0	6	25	0	0	0
	0830	665	1004.1	931.0	..	23.3	21.3	20.3	23.9	83	..	7.2	..	27.5	0	26	5	00	0	0	0	0	7	24	0	0	0
	1130	665	1003.3	931.0	..	26.5	22.5	20.6	24.3	71	..	7.2	..	31.3	0	27	4	00	0	0	0	0	6	24	1	0	0
	1730	665	999.9	928.2	..	27.4	22.4	19.9	23.2	66	..	7.1	..	31.2	0	23	8	00	0	0	0	1	8	18	4	0	0
	2330	665	1004.2	931.2	..	23.8	21.2	19.7	23.1	79	..	7.3	..	29.2	0	25	6	00	0	0	0	0	7	22	2	0	0
INTERIOR MYSORE, SOUTH																											
BELLARY	0830	449	1005.7	956.1	+0.1	26.1	22.6	20.8	24.6	73	+ 2	7.4	+1.0	12.6	0	2	28	00	0	0	0	0	11	19	0	1	0
	1730	449	1002.5	953.6	+0.6	28.8	23.1	20.1	23.6	60	+ 1	7.7	+1.2	16.5	0	6	25	00	0	0	0	0	13	18	0	0	0
CHITRADURGA	0830	733	1006.9	926.4	-0.1	22.1	20.6	20.0	23.4	88	+ 5	6.8	-0.5	12.9	0	0	31	00	0	0	0	0	19	12	0	0	0
	1730	733	1004.2	924.5	+0.2	24.7	21.3	19.6	23.2	74	+ 5	7.0	-0.1	11.9	0	1	30	00	0	0	0	0	14	17	0	0	0
SHIMOGA	0830	571	1007.0	943.9	-0.3	23.1	21.9	21.3	25.5	90	+ 2	7.1	-0.2	2.5	0	0	22	00	0	0	0	0	20	2	0	9	0
	1730	571	1005.5	942.8	+0.5	24.6	22.1	20.9	24.9	81	+ 0	7.3	+0.2	3.5	0	0	31	00	0	0	0	0	0	31	0	0	0
AGUMBE	0830		1009.6	936.5	..	21.5	21.1	20.9	24.8	96	..	.	..	15.7	0	9	22	00	0	1	1	8	8	13	0	0	0
	1730		1008.1	935.2	..	21.6	21.2	21.0	24.9	97	..	.	..	11.8	0	2	29	00	0	0	1	8	9	11	2	0	0
BALEHONNUR	0830		..	..	..	20.3	19.9	19.7	23.0	96	+ 1	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - JULY 1969(10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
INTERIOR MYSORE SOUTH (CONTD.)																										
HASSAN	0830	960	1493.8	903.8	+0.4	24.5	20.2	17.8	20.5	90	+ 2	8.0	+0.7	2.3	0	0	11	00	0	0	0	0	5	6	0	20
	1730	960	1478.0	902.5	+0.8	22.3	20.4	19.5	22.6	84	+ 3	7.3	+0.1	5.2	0	0	29	00	0	0	0	0	5	19	5	2
BANGALORE	0230	921	1487.0	907.9	..	20.4	19.2	13.5	21.3	89	..	6.4	..	13.0	0	1	30	00	0	0	0	0	13	18	0	0
	0830	921	1492.9	908.5	+1.3	20.9	19.5	18.8	21.7	88	+ 2	7.2	-0.4	10.6	0	0	31	00	0	0	0	0	17	14	0	0
	1130	921	1500.7	908.5	..	24.8	20.5	18.2	20.9	67	..	7.1	..	12.9	0	1	30	00	0	0	0	0	12	19	0	0
	1430	921	1491.0	907.0	..	27.1	20.7	17.3	19.8	56	..	7.1	..	13.9	0	2	29	00	0	0	0	0	11	20	0	0
	1730	921	1481.6	906.5	+1.7	25.1	20.5	18.0	20.7	66	- 2	7.3	-0.1	12.8	0	1	30	00	0	0	0	0	12	18	1	0
	2030	921	1493.0	908.2	..	22.6	19.8	18.3	21.0	77	..	6.0	..	11.8	0	0	31	00	0	0	0	0	7	24	0	0
BANGALORE AERODROME	0530	897	1465.7	908.4	..	19.8	19.2	18.9	21.9	95	..	6.6	..	18.6	0	11	20	00	0	0	0	0	29	2	0	0
	0830	897	1483.0	909.6	-0.1	21.3	20.1	19.4	22.5	89	+ 5	7.0	+0.0	23.7	0	27	4	00	0	0	0	0	25	6	0	0
	1130	897	1486.6	909.7	..	25.5	21.4	19.4	22.6	70	..	7.1	..	28.3	0	30	1	00	0	0	0	0	23	8	0	0
	1730	897	1465.9	907.4	+0.1	24.8	21.2	19.4	22.5	73	+ 7	6.8	-0.1	25.7	0	26	5	00	0	0	0	0	24	7	0	0
	2330	897	1483.5	910.1	..	20.8	19.6	19.0	22.0	89	..	5.6	..	17.9	0	13	18	00	0	0	0	0	26	5	0	0
MYSORE	0830	767	1008.5	924.1	+0.1	21.7	19.8	18.9	21.8	84	+ 0	4.1	-2.3	11.8	0	1	30	00	7	8	1	8	3	4	0	0
	1730	767	1005.5	922.2	+0.0	24.7	20.6	18.4	21.2	69	- 1	5.3	-1.5	19.4	0	18	13	00	0	0	0	0	3	28	0	0
YALANKA A.F.	0530	932	1469.5	905.5	..	19.9	18.9	18.5	21.2	91	..	6.7	..	23.0	0	23	8	00	0	0	0	0	6	25	0	0
	0830	932	1482.4	906.4	..	21.6	19.5	18.4	21.2	82	..	6.9	..	27.0	0	28	3	00	0	0	0	0	3	28	0	0
	1130	932	1486.6	906.2	..	25.3	20.9	18.8	21.9	67	..	7.0	..	32.1	0	31	0	00	0	0	0	0	1	29	1	0
	1730	932	1469.8	904.6	..	24.4	20.7	18.7	21.8	73	..	6.8	..	31.5	0	30	1	00	0	0	0	0	0	29	2	0
	2330	932	1484.3	906.9	..	20.9	19.3	18.4	21.2	86	..	5.7	..	24.4	0	26	4	00	0	0	0	0	2	28	0	1
KERALA																										
CALICUT	0530	5	1008.6	1008.0	..	24.3	23.8	23.5	28.9	95	..	6.4	..	6.8	0	2	24	08	4	13	0	0	0	1	0	5
	0830	5	1009.8	1009.2	+0.3	25.3	24.4	24.0	29.9	93	+ 1	6.9	-0.3	3.2	0	0	24	00	0	0	0	0	3	13	8	7
	1130	5	1010.0	1009.4	..	27.0	25.4	24.7	31.2	88	..	6.4	..	6.3	0	2	26	00	0	0	0	0	4	15	9	3
	1430	5	1008.7	1008.1	..	27.6	25.7	24.8	31.5	85	..	6.4	..	8.7	0	1	29	01	0	0	0	0	1	20	8	1
	1730	5	1008.2	1007.6	+0.6	27.0	25.3	24.6	30.9	87	- 2	6.7	-0.5	5.2	0	0	31	00	0	0	0	0	1	21	9	0
	2330	5	1010.3	1009.7	..	25.1	24.2	23.8	29.5	93	..	5.8	..	6.0	0	2	23	07	6	3	0	0	2	5	2	6
PALGHAT	0830	97	1009.6	998.5	+0.2	24.3	23.5	23.1	28.3	93	+ 1	7.5	+0.3	9.9	0	0	31	00	0	0	0	1	5	25	0	0
	1730	97	1007.5	996.5	+0.6	26.0	24.2	23.3	28.6	85	+ 0	7.4	+0.2	11.3	0	1	30	00	0	0	0	2	6	23	0	0
FORT COCHIN	0830	3	1009.8	1009.5	-0.2	26.2	24.9	24.4	30.5	90	+ 1	7.9	+0.7	5.7	0	0	27	01	6	4	1	0	6	7	2	4
	1730	3	1008.2	1007.9	+0.3	26.6	25.1	24.5	30.9	88	+ 1	7.9	+0.7	8.2	0	0	27	00	0	0	0	0	8	14	5	4
COCHIN(NAVAL AIR STATION)	0230	3	1009.0	1008.7	..	24.5	23.9	23.6	29.1	95	..	6.8	..	3.9	0	1	12	00	0	2	2	2	0	2	5	18
	0530	3	1008.7	1008.4	..	24.1	23.6	23.3	28.7	95	..	6.7	..	3.4	0	0	15	01	1	5	2	0	2	2	2	16
	0830	3	1010.0	1009.7	..	25.5	24.3	23.8	29.5	91	..	7.0	..	6.1	0	0	24	02	3	2	7	1	2	4	3	7
	1130	3	1010.3	1010.0	..	27.2	25.1	24.2	30.2	84	..	6.9	..	9.1	0	0	27	01	0	2	1	2	4	9	8	4
	1730	3	1008.3	1008.0	..	26.6	24.9	24.1	30.1	86	..	7.1	..	8.8	0	0	28	01	1	0	0	3	3	14	6	3
	2330	3	1010.5	1010.2	..	24.9	24.1	23.7	29.3	93	..	6.8	..	5.5	0	2	15	00	1	2	3	0	1	4	5	14
ALLEPPEY	0830	4	1010.4	1010.0	+0.6	25.4	24.8	24.4	30.6	94	+ 3	6.9	-0.1	7.2	0	1	28	01	7	4	6	1	1	3	6	2
	1730	4	1008.8	1008.4	+1.1	26.4	25.0	24.3	30.5	88	+ 3	6.7	-0.2	17.5	0	11	20	01	0	0	0	0	0	1	29	0
PUNALUR	0830	34	1010.4	1006.6	+0.8	24.9	24.3	24.0	29.9	95	+ 1	7.5	+1.2	0.1	0	0	1	00	0	0	0	0	0	1	0	30
	1730	34	1008.0	1004.2	+0.5	27.4	24.9	23.8	29.4	81	+ 3	7.8	+1.3	3.5	0	0	24	00	0	0	0	0	9	12	3	7
TRIVANDRUM	0230	64	1008.9	1001.6	..	24.4	23.7	23.3	28.7	94	..	5.5	..	5.9	0	1	17	01	1	0	0	0	0	4	12	13
	0530	64	1008.9	1001.5	..	24.0	23.5	23.3	28.6	96	..	6.2	..	5.7	0	0	25	09	0	0	0	0	0	3	9	6
	0830	64	1010.4	1003.1	+0.5	25.2	24.1	23.5	29.1	91	+ 2	6.4	-0.3	4.8	0	0	21	04	1	0	0	0	0	2	10	10
	1130	64	1010.2	1003.0	..	27.5	24.7	23.4	28.8	78	..	7.0	..	10.8	0	3	26	04	0	0	0	0	0	10	15	2
	1430	64	1008.6	1001.3	..	27.6	24.7	23.5	28.9	79	..	7.0	..	10.9	0	2	27	02	0	0	0	0	0	10	16	2
	1730	64	1008.4	1001.1	+0.7	26.9	24.5	23.5	28.9	82	+ 1	7.1	+0.4	9.4	0	1	28	00	0	0	0	0	0	8	19	2
	2030	64	1010.0	1002.7	..	25.2	24.1	23.5	29.1	90	..	5.6	..	7.1	0	1	25	00	0	0	0	0	0	5	17	5
	2330	64	1010.5	1003.2	..	24.6	23.9	23.5	28.9	93	..	5.9	..	9.3	0	0	30	09	1	0	0	0	0	3	16	1
TRIVANDRUM AERODROME	0830	8	1010.7	987.8	-1.1	26.0	24.3	23.6	29.1	87	+ 1	7.0	+1.0	14.6	0	7	21	13	0	0	0	0	0	3	12	3
ARABIAN SEA ISLANDS																										
AMINI	0530	0	1007.3	1006.9	..	27.8	25.8	24.9	31.6	85	..	5.6	..	42.3	1	30	0	00	0	0	0	0	2	29	0	0
	0830	0	1008.8	1008.4	+0.0	28.0	26.0	25.1	31.9	84	- 1	6.4	+0.0	38.9	0	31	0	01	0	0	0	0	3	26	1	0
	1130	0	1009.2	1008.8	..	28.9	26.3	25.2	32.1	81	..	6.2	..	39.6	1	30	0	00	0	0	0	0	3	28	0	0
	1730	0	1007.3	1006.9	..	28.6	26.2	25.2	32.2	82	..	6.8	..	40.3	0	31	0	00	0	0	0	0	4	26	1	0
	2330	0	1009.5	1009.0	..	28.1	25.9	25.0	31.8	84	..	6.0	..	40.5	1	30	0	00	0	0	0	0	3	27	1	0
AGATTI	0830	4	1009.2	1008.7	..	28.1	26.0	25.1	32.0	84	..	7.4	..	25.3	0	27	4	00	0	0	0	0	7	22	2	0
	1730	4	1007.5	1007.0	..	28.6	26.3	25.3	32.3	83	..	6.5	..	23.6	0	27	4	00	0	0	0	0	7	22	2	0
ANDROTH	0830		(R)																							
	1730		(R)																							

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — JULY 1969 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ARIAN SEA ISLANDS (CONTD.)																											
MINICOY	0530	2	1008.9	1008.7	..	27.1	24.6	23.4	28.9	80	..	6.8	..	16.1	0	11	20	00	0	0	0	0	0	29	2	0	0
	0830	2	1010.3	1010.1	+0.3	28.0	25.2	24.0	29.9	79	- 2	6.7	+0.7	14.2	0	8	23	00	0	0	0	0	0	24	7	0	0
	1130	2	1010.6	1010.4	..	29.2	25.8	24.3	30.4	75	..	6.8	..	15.4	0	8	23	00	0	0	0	0	0	24	7	0	0
	1430	2	1009.2	1009.0	..	29.3	25.9	24.5	30.7	75	..	7.0	..	17.0	0	12	19	00	0	0	0	0	0	24	7	0	0
	1730	2	1008.6	1008.4	+0.6	28.6	25.5	24.2	30.2	77	- 3	7.3	+0.4	14.9	0	5	26	00	0	0	0	0	0	23	8	0	0
	2030	2	1010.2	1010.0	..	27.8	25.1	23.9	29.5	80	..	6.4	..	16.5	0	7	24	00	0	0	0	0	1	26	4	0	0
	2330	2	1010.9	1010.7	..	27.7	25.1	23.9	29.6	80	..	7.2	..	18.1	0	11	20	00	0	0	0	0	0	30	1	0	0
LL STATIONS (EXCLUDING KASHMIR)																											
DALHOUSIE	0830	1959	1376.6	794.9	-0.2	19.1	16.9	15.9	18.2	82	- 4	3.2	-1.1	0.0	0	0	0	00	0	0	0	0	0	4	0	31	0
	1730	1959	1357.4	793.7	-0.9	21.4	17.9	16.0	18.2	79	- 6	3.6	-1.2	0.1	0	0	2	00	1	1	0	0	0	0	0	29	0
DHARMASALA	0830	1211	1465.2	875.5	-1.1	23.0	20.6	19.3	22.3	82	+ 2	6.0	+0.3	1.0	0	0	15	01	5	2	1	2	1	1	2	16	0
	1730	1211	1450.5	873.8	-1.3	26.5	22.7	20.9	24.9	73	- 3	5.7	+0.2	1.6	0	0	23	00	0	3	1	4	12	3	0	8	0
BHUNTAR	0830	1096	1425.1	882.9	..	23.7	20.7	19.1	22.2	76	..	5.0	..	4.6	0	0	21	03	2	6	4	6	0	0	0	10	0
	1130	1096	1420.2	881.7	..	29.3	22.5	19.1	22.3	56	..	4.9	..	14.3	0	10	21	00	2	4	8	16	1	0	0	0	0
	1730	1096	1396.7	879.4	..	29.1	22.5	19.2	22.3	57	..	4.9	..	16.0	0	12	17	01	0	3	6	15	1	0	3	1	0
SIMLA	0830	2202	1426.8	777.2	+0.4	18.2	16.0	14.8	17.0	83	- 3	5.0	-1.4	1.9	0	0	29	00	6	0	9	2	10	0	2	2	0
	1730	2202	1403.8	775.7	+0.0	19.9	17.5	16.2	18.5	81	- 7	6.6	-0.1	2.0	0	0	31	00	2	0	8	4	11	4	2	0	0
SHANGARIA (KANJALIA TOK)	0830		..	..	..	12.1	11.5	10.6	13.1	93	- 1	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BADRINATH	0830		(R)																								
JOSHIMATH	0830		..	..	..	19.5	18.2	17.5	20.1	89	+ 0	4.8	-1.4	2.1	0	0	21	00	2	6	0	1	5	6	1	10	0
	1730		..	..	..	23.8	21.6	20.7	25.1	83	+ 8	5.3	-1.7	6.2	0	0	26	01	4	1	2	0	4	11	3	5	0
MUSSOORIE	0830	2042	1432.6	791.9	-0.9	18.1	17.4	16.9	19.4	93	+ 0	5.0	-1.6	1.0	0	0	15	03	2	0	4	4	0	0	2	16	0
	1730	2042	1410.4	790.5	-0.9	19.4	18.6	18.2	20.9	92	- 3	5.8	-1.1	1.4	0	0	20	03	2	0	7	7	0	0	1	11	0
MUKTESWAR (KUMAUN)	0830	2311	3100.2	768.7	+0.9	16.9	15.9	15.3	17.5	91	- 1	6.6	-0.1	5.7	0	1	24	00	4	8	3	0	4	5	1	6	0
	1730	2311	3084.7	766.9	+0.6	18.3	17.2	16.6	18.9	90	+ 0	6.6	+0.8	8.1	0	2	25	00	1	6	2	0	6	11	1	4	0
NAINITAL	0830	1953	1415.3	798.9	-0.7	18.5	17.1	16.4	18.7	87	+ 1	5.7	-1.2	4.5	0	0	25	02	0	15	5	2	0	1	0	6	0
	1730	1953	1521.6	797.8	-0.2	20.2	17.2	18.3	20.6	96	+ 9	5.4	-1.5	23.7	1	0	26	02	0	9	8	2	0	6	0	4	0
KALIMPONG	0830	1209	1544.5	874.1	+0.5	25.9	20.4	17.4	19.9	83	- 4	7.1	+1.2	5.3	0	0	31	00	0	0	9	0	0	0	22	0	0
	1730	1209	1521.9	872.7	+1.4	26.1	20.7	17.9	20.5	87	- 5	7.4	+1.9	5.3	0	0	31	00	1	0	29	0	0	0	1	0	0
DARJEELING	0830	2128	1457.9	786.9	-0.6	18.2	17.6	17.3	20.0	94	+ 3	8.0	+0.6	0.4	0	0	2	00	1	0	0	0	1	0	0	29	0
	1730	2128	1446.6	785.7	-0.1	17.7	17.2	16.9	19.3	95	+ 1	7.5	+0.0	0.3	0	0	3	00	0	0	0	0	3	0	0	27	0
KOHIMA	0830		(R)																								
	1730		(R)																								
SHILLONG (G.S.O.)	0830	1598	1443.6	835.2	+1.4	21.2	19.4	18.6	21.4	86	+ 7	6.9	-1.0	3.3	0	0	28	01	3	4	6	1	3	4	6	3	0
	1730	1598	1421.3	833.1	+1.7	20.7	19.4	18.7	21.6	89	+10	6.6	-0.6	2.7	0	0	25	02	0	3	5	6	3	4	2	6	0
CHERRAPUNJI	0830	1313	1452.5	863.9	+0.5	21.1	20.5	20.2	23.6	95	+ 2	7.6	+0.5	34.4	5	16	10	00	9	0	4	0	18	0	0	0	0
	1730	1313	1436.3	862.3	+1.1	21.9	20.9	20.3	23.6	91	- 3	6.9	+0.4	19.5	3	6	22	01	9	0	5	0	16	0	0	0	0
ABU	0830	1195	1423.0	873.0	-0.1	21.1	18.6	17.0	19.5	88	- 2	6.6	-0.2	1.6	0	0	12	00	0	0	0	4	7	1	0	19	0
	1730	1195	1423.9	872.7	+0.7	24.8	19.4	16.1	18.9	86	- 5	5.3	-1.2	1.7	0	0	10	00	0	0	0	4	5	1	0	21	0
ALWAL	0830		..	..	..	23.2	22.3	21.9	25.4	93	+ 2	5.1	-1.1	4.1	0	1	19	00	0	4	6	2	8	0	0	11	0
	1730		..	..	..	23.1	22.2	21.8	26.4	93	- 1	5.2	-1.7	3.4	0	0	25	00	0	0	6	3	15	1	0	6	0
PACHMARHI	0830	1075	1431.7	885.9	-0.4	21.8	20.7	20.2	23.7	91	+ 0	7.5	-0.1	7.5	0	0	31	01	0	0	0	0	0	20	10	0	0
	1730	1075	1413.1	883.8	-0.5	23.8	21.6	20.5	24.2	84	- 3	7.3	-0.1	5.8	0	0	29	00	1	0	0	0	2	18	8	2	0
MAHABALESHWAR	0830		..	..	..	..	..	..	..	..	..	.	..	18.3	0	16	15	00	0	0	0	0	29	0	2	0	0
	1730		..	..	..	..	..	..	..	..	..	.	..	16.6	0	9	22	00	0	0	0	0	30	0	1	0	0
MERCARA	0830	1152	1489.8	884.4	+0.8	18.5	18.2	18.1	20.8	98	+ 1	.	..	17.8	0	10	21	01	0	0	0	0	3	26	1	0	0
	1730	1152	1476.7	882.9	+0.7	19.1	18.7	18.5	21.3	96	- 2	.	..	18.1	0	8	23	00	0	0	0	0	1	25	3	0	2
OOTACAMUND	0830	2249	1494.5	778.2	+0.6	13.1	12.1	11.5	13.6	90	- 1	6.5	+0.0	8.5	0	1	30	00	0	0	0	0	0	11	20	0	0
	1730	2249	1476.0	776.9	+0.4	14.5	13.3	12.6	14.6	90	+ 1	6.7	-0.4	7.5	0	0	31	01	0	0	0	0	14	16	0	0	0
COONOOR	0830		(R)																								
KODAIKANAL	0830	2343	3136.5	769.9	+0.4	14.2	12.1	10.5	12.7	79	- 2	6.7	+0.5	10.5	0	3	25	01	0	0	0	0	1	12	14	3	0
	1130	2343	3145.4	770.1	..	16.3	13.8	12.1	14.1	77	..	7.4	..	10.8	0	5	25	02	0	0	1	1	1	9	16	1	0
	1730	2343	3124.6	768.7	+0.4	14.3	12.8	11.8	13.9	86	- 3	7.5	+0.1	10.8	0	1	29	02	0	0	0	1	0	13	14	1	0
PANALI	0830		..	..	..	17.2	16.1	15.4	17.6	90	..	4.0	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	23.9	19.5	17.2	19.8	67	..	4.8	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
PAL																											
KATMANDU	0830	1324	1434.2	861.0	-1.3	22.7	21.1	20.3	23.8	87	+ 5	6.4	-0.2	0.5	0	0	7	01	0	1	0	5	0	0	0	24	0
	1130	1324	1428.9	860.3	..	26.9	22.3	20.3	23.9	69	..	6.0	..	1.3	0	0	17	03	0	7	2	5	0	0	0	14	0
	1730	1324	1407.2	858.3	-1.6	24.1	22.1	21.2	25.1	84	+ 3	6.7	+0.0	2.1	0	0	20	10	2	0	2	5	0	0	1	11	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – JULY 1959 (10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or bt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SIKKIM																											
LACHEN	0830		(R)																								
DAMODAR CATCHMENT																											
TILAIYA	0830		..	..	..	28.1	25.7	24.6	30.8	81	..	6.2	..	9.1	0	0	30	01	1	15	8	0	0	5	0	1	0
	1730		..	..	..	29.4	25.9	24.3	30.4	75	..	6.8	..	8.3	0	0	28	01	4	15	5	0	0	3	0	3	0
HAZARIBAGH	0830	615	998.2	931.4	..	25.9	24.5	24.0	29.8	89	..	6.7	..	7.0	0	0	27	00	1	11	2	3	7	2	1	4	0
	1730	615	994.6	928.2	..	26.8	25.0	24.2	30.3	86	..	6.5	..	5.9	0	0	23	00	1	11	5	2	3	1	0	8	0
KONAR	0830		(R)																								
	1730		(R)																								
BIKARU	0830	242	997.7	971.0	..	28.4	26.7	26.0	33.7	87	..	5.3	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	242	995.2	968.7	..	29.5	26.9	25.9	33.4	82	..	5.3	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
MAITHON	0830		..	..	..	30.0	27.0	25.8	33.3	79	..	6.1	..	4.2	0	0	31	00	2	0	25	2	2	0	0	0	0
	1730		..	..	..	30.2	27.3	26.1	33.9	79	..	5.7	..	4.4	0	0	31	00	1	0	30	0	0	0	0	0	0
RAMGARH	0830		..	..	..	28.2	25.6	24.5	30.8	80	..	5.8	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730		..	..	..	28.7	25.8	24.5	30.7	79	..	5.6	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
PANCHET HILLS	0830		..	..	..	28.6	26.5	25.7	33.0	85	..	4.3	..	2.3	0	0	28	00	7	0	13	0	7	0	1	3	0
	1730		..	..	..	29.7	26.8	25.6	32.9	79	..	5.2	..	1.9	0	0	23	00	9	0	10	0	4	0	0	8	0
DURGAPUR	0830		..	..	..	29.6	26.7	25.5	32.6	79	..	.	..	14.3	0	10	20	04	2	6	9	9	0	0	0	1	0
	1730		..	..	..	29.9	26.8	25.5	32.6	77	..	.	..	12.8	0	6	25	01	0	4	14	11	0	0	1	0	0
MAHANADI CATCHMENT																											
GINABAHAR	0830		..	..	..	26.4	24.9	24.2	30.2	88	..	7.3	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HIRAKUD	0830	159	999.3	981.6	..	27.4	25.6	24.8	31.2	86	..	7.4	..	3.4	0	0	20	00	0	0	0	2	9	9	0	11	0
	1130	159	998.8	981.2	..	29.3	26.3	25.1	31.9	79	..	6.9	..	2.3	0	0	20	00	0	0	0	3	8	8	0	11	1
	1730	159	996.0	978.5	..	29.3	26.5	25.3	32.3	80	..	7.1	..	2.2	0	0	14	00	0	1	0	0	7	6	0	17	0
BHIMKUND	0830		(R)																								
	1730		(R)																								
SONEPUR	0830		..	..	..	27.3	26.4	26.0	33.6	92	..	.	..	9.8	0	3	23	00	0	2	0	12	0	12	0	5	0
KHIJRAWAN	0830		..	..	..	25.3	23.5	22.6	27.5	85	..	7.5	..	11.9	0	4	27	00	0	1	0	0	13	15	2	0	0
	1730		..	..	..	27.0	24.5	23.3	28.5	80	..	7.6	..	10.3	0	0	31	00	1	0	1	3	14	8	4	0	0
NARMADA CATCHMENT																											
BAGRA TAWA	0830		..	..	..	25.8	24.1	23.4	28.7	87	..	7.4	..	14.2	0	0	31	00	0	0	1	4	18	8	0	0	0
	1730		..	..	..	28.7	24.8	23.0	28.1	74	..	7.0	..	11.8	0	1	28	02	0	2	2	5	7	9	2	2	0
PUNASA	0830		..	..	..	26.0	24.7	24.0	29.9	89	..	.	..	9.1	0	3	27	01	0	1	0	1	5	21	1	1	0
	1730		..	..	..	28.8	25.7	24.3	30.7	78	..	.	..	10.0	0	5	26	01	0	0	0	0	5	24	1	0	0
THIKRI	0830		..	..	..	27.6	25.3	24.3	30.4	83	..	6.8	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SABARMATI CATCHMENT																											
DARDI	0830		..	..	..	27.5	25.2	24.2	30.2	82	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	31.5	25.7	23.0	28.1	65	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
JHAKUL	0830		..	..	..	26.3	24.5	23.6	29.3	85	..	.	..	3.5	0	0	10	00	0	0	0	0	0	10	0	21	0
GANDAK CATCHMENT																											
JAMOSUN	0830		..	..	..	17.4	15.0	13.8	15.8	81	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	19.9	15.6	13.4	15.4	83	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KHUDI BAZAR	0830		..	..	..	24.4	22.4	21.5	25.6	84	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	26.0	23.5	22.4	27.2	81	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TIMURE	0830		..	..	..	20.7	18.6	17.5	20.0	82	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	22.1	19.3	17.9	20.5	78	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
POKHARA	0830		..	..	..	24.8	22.8	21.9	26.2	84	..	6.4	..	3.0	0	0	22	02	2	1	8	2	4	1	2	9	0
	1130		..	..	..	27.6	24.0	22.5	27.3	74	..	5.9	..	4.2	0	0	30	01	1	4	16	5	2	0	1	1	0
	1730		..	..	..	27.0	23.9	22.5	27.3	77	..	6.3	..	5.9	0	0	30	01	2	6	10	3	3	2	3	1	0
GURKHA	0830		..	..	..	22.9	22.0	21.6	25.8	93	..	6.7	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1130		..	..	..	25.4	23.4	22.6	27.4	85	..	6.3	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730		..	..	..	25.3	22.8	21.7	25.9	81	..	5.7	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
MUWAKOT	0830		..	..	..	24.3	23.1	22.6	27.4	90	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	25.0	22.8	21.9	26.2	83	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT (TRANS HIMALAYAN REGION)																											
DAILEKH	0830		..	..	..	22.6	20.9	20.1	23.6	86	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	24.2	21.5	20.1	23.6	79	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT																											
SALLYANA	0830		..	..	..	23.2	21.3	20.4	23.9	85	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	22.6	20.8	19.9	23.3	85	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS— JULY ,1969(10 ASADHA - 9 SRAVANA 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb.			Mean temperature in °C			Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point				Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															02 or less	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GHAGHARA CATCHMENT (CONTD.)																											
BUTWAL	0830		..	..	..	29.0	26.1	24.9	31.5	79	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	30.0	26.9	25.7	33.1	77	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BAGHMATI CATCHMENT																											
KATMANDU	SEE UNDER NEPAL																										
KOSI CATCHMENT																											
WALUNGCHUNG GOLA	0830		..	..	..	13.6	12.3	11.4	13.5	87	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	13.0	12.4	12.0	14.1	94	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLETHOK	0830		..	..	..	23.0	21.2	20.3	23.8	85	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	22.0	20.6	19.9	23.3	88	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BHOJPUR	0830		..	..	..	20.9	19.8	19.3	22.4	91	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	20.8	19.9	19.5	22.6	92	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLEJUNG	0830		..	..	..	20.4	19.4	18.9	21.9	91	..	7.3	..	1.4	0	0	15	02	1	0	0	1	0	0	11	16	0
	1130		..	..	..	23.1	20.9	19.9	23.3	83	..	7.1	..	3.5	0	0	24	03	1	1	0	2	2	7	6	7	2
	1730		..	..	..	22.0	20.3	19.5	22.7	86	..	7.1	..	2.6	0	0	12	02	0	0	3	3	0	0	4	19	0
OKHALDHUNGA	0830		..	..	..	20.5	19.5	19.0	22.0	91	..	6.6	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1130		..	..	..	23.4	21.2	20.2	23.7	83	..	6.9	..	0.2	0	0	2	00	1	0	1	0	0	0	0	29	0
	1730		..	..	..	20.5	19.5	19.0	22.0	92	..	7.1	..	0.8	0	0	6	00	2	0	0	0	1	2	1	25	0
CHAINPUR	0830		..	..	..	23.0	21.7	21.1	25.1	90	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	24.0	22.1	21.2	25.2	85	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BARAHAKSHETRA	0830	146	1000.7	984.5	..	27.6	25.8	25.0	31.8	86	..	6.3	..	1.4	0	0	12	02	1	0	0	1	4	3	1	19	0
	1130	146	1000.2	984.0	..	29.3	26.6	25.5	32.6	80	..	6.6	..	1.7	0	0	16	00	0	1	1	0	10	4	0	15	0
	1730	146	997.5	981.4	..	29.2	26.7	25.7	33.1	82	..	6.3	..	1.1	0	0	12	00	0	1	0	0	5	6	0	19	0
TISTA CATCHMENT																											
GANGTOK	0830	1812	1443.0	814.6	..	19.4	18.8	18.5	21.3	95	..	7.6	..	2.3	0	0	19	04	4	0	1	2	5	0	3	12	0
	1130	1812	1436.3	814.3	..	21.9	20.1	19.5	22.7	89	..	7.4	..	3.3	0	0	28	01	1	0	2	11	11	1	1	3	0
	1730	1812	1418.4	812.6	..	20.7	19.4	18.7	21.7	89	..	7.7	..	2.8	0	0	20	00	0	0	7	7	5	0	1	11	0
GEZING	0830		..	..	..	20.4	20.0	19.8	23.1	97	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	22.2	20.7	20.0	23.4	89	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

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METEOROLOGICAL DEPARTMENT

भारतीय मौसम पुनरीक्षण

INDIA WEATHER REVIEW

1969

मासिक मौसम रिपोर्ट

MONTHLY WEATHER REPORT

अगस्त

AUGUST

भारत सरकार के प्राधिकार द्वारा वेधशालाओं के महानिदेशक के निदेशाधीन प्रकाशित
Published by the Authority of the Government of India Under the Direction of the Director General of Observatories

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INDIA WEATHER REVIEW, 1969

Monthly Weather Report

AUGUST

MONTHLY WEATHER REPORT

FOR
AUGUST 1969

C O N T E N T S

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MEANINGS OF SYMBOLS AND ABBREVIATIONS IN TABLES II AND III

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

INDIA WEATHER REVIEW, 1969

Monthly Weather Report

AUGUST

Published by authority of Government of India

Chief features :

1. Formation of a depression and a cyclonic storm in the north Bay of Bengal in the first fortnight.

2. Generally good monsoon activity in many parts of north India and central parts of the country in the first three weeks causing floods in practically all the states of north and central India; and

3. Widespread rainfall in the Peninsula, Arabian Sea Islands, Bay Islands and northeast India during the last 10 days and weak monsoon conditions in northwest India, Gujarat State and the central Parts of the country during the same period.

The depression which was lying near Jharsuguda on the last day of July moved northwestwards close to Satna by the evening of 1st August and weakened into a low pressure area on the morning of 2nd over northeast Madhya Pradesh and adjoining southeast Uttar Pradesh. On the same morning, a cyclonic circulation in the lower and middle troposphere developed over East Pakistan and neighbourhood, moved westwards and accentuated the low pressure area over northeast Madhya Pradesh on 3rd morning. This well-marked low over northeast Madhya Pradesh moved northwestwards and lay as an extended low pressure area over south Uttar Pradesh and adjoining north Madhya Pradesh on 4th and merged with the monsoon trough on 5th. Under the influence of these systems, the monsoon was active (i) in Madhya Pradesh from 1st to 5th, being vigorous in east Madhya Pradesh on 1st, (2) in Gangetic West Bengal, Orissa and west Uttar Pradesh on 3rd and (3) in east Rajasthan on 4th and 5th and 6th. The noteworthy amounts of very heavy rainfall were : On 1st 22 cm at Jabalpur, 14 cm at Pachmarhi, 11 cm at Sagar, Seoni and Chindwara; On 2nd 11 cms at Hoshangabad.10 cm at Pachmarhi and Betul; On 3rd 12 cm at Kannod and Sagar, 11 cm at Dehra Dun; On 4th 12 cm at Pachmarhi and 10 cm at Jhalwar and on 6th 12 cm at Bhopal and 11 cm at Alwar. According to press reports, the heavy rains in Madhya Pradesh caused floods in the Narmada, the Tapti and the Wainganga inundating vast areas in many districts of Madhya Pradesh and paralysing road traffic. The floods in the Narmada and the Tapti also affected some villages in Broach and Baroda districts of Gujarat State.

The western end of the monsoon trough shifted slightly northwards on 5th and was passing through Punjab, Haryana and west Uttar Pradesh and remained in that position till 8th. A cyclonic circulation in the lower troposphere was also lying over east Uttar Pradesh and neighbourhood between 5th and 7th. Associated with these, the monsoon was vigorous in Haryana on 6th and 7th and active in Uttar Pradesh on 6th, 7th and 8th. There was also heavy rain in Himachal Pradesh between 6th and 8th. The noteworthy amounts of very heavy rainfall were : On 5th 21 cm at Mussoorie, on 6th 21 cm at Najibabad, 14 cm at Dehra Dun, 13 cm at Dharmsala, 12 cm at Bilaspur and Chandigarh and 10 cm at Roorkee; On 7th 10 cm at Karnal, 9 cm at Rohtak and Mainpuri; On 8th 12 cm at Gonda and 10 cm at Dharmsala.

There was also fairly widespread heavy rain in Himachal Pradesh and the hills of west Uttar Pradesh on 2nd and 3rd. The noteworthy amounts of heavy rainfall were : On 2nd 13 cm at Dalhousie and 10 cm at Dharchula and Askote; On 3rd 19 cm at Dharmsala, 12 cm at Mandi, 11 cm at Bhuntar and 9 cm at Nainital. The heavy rain in Himachal Pradesh was reported to have disrupted telecommunications and road traffic in the Mandi region of Himachal Pradesh and caused floods in the Beas and the Ravi inundating vast areas in Hoshiarpur, Kapurthala and Gurdaspur districts of Punjab.

A low pressure area developed in the Head Bay of Bengal on 7th, concentrated into a depression on the morning of 8th about 200 kms southeast of Calcutta, moved northwest and lay as a well marked low pressure area over Gangetic West Bengal on 9th morning. It became less marked on that evening and moved as a low pressure area to west Uttar Pradesh by 12th evening and weakened on 13th. However, the associated cyclonic circulation in the lower troposphere persisted on 13th over west Uttar Pradesh. This system caused active monsoon conditions in Orissa on 8th, in Gangetic West Bengal on 8th and 9th, in east Madhya Pradesh on 8th, in Bihar Plateau on 8th and 9th and 10th, in west Madhya Pradesh on 10th and 11th, in west Uttar Pradesh on 12th and 13th and in Haryana and east Rajasthan on 12th and 14th. Active monsoon conditions also prevailed in Gujarat region on 12th and 13th. The noteworthy amounts of very heavy rainfall were : On 8th 10 cm at Dum Dum and 9 cm at Puri; On 9th 12 cm at Dhanbad and 11 cm at Midnapore and Purulia; On 12th 12 cm at Jhansi and Dharmsala; On 13th 10 cm at Kota Airport and on 14th 9 cm at Chandigarh.

An upper air cyclonic circulation extending to about 6 kms a.s.l. developed over East Pakistan

and adjoining Head Bay of Bengal on 12th and concentrated into a depression on the morning of 13th about 200 kms southeast of Calcutta. It rapidly intensified into a cyclonic storm by that evening close to Sandheads, crossed north Orissa coast on the morning of 14th near Balasore, weakened into a deep depression and moving westnorthwest lay close to Sidhi on the morning of 15th. Continuing to move westnorthwest it weakened into a depression on the evening of 15th and then into a low pressure area on 16th evening over northwest Madhya Pradesh and adjoining southwest Uttar Pradesh. Then it moved northeastwards to the northern parts of central Uttar Pradesh by the evening of 17th and weakened on 18th morning. This system caused a active monsoon conditions in Gangetic West Bengal on 13th, 14th and 15th, in Bihar State and east Madhya Pradesh on 14th, in Orissa on 15th, in west Madhya Pradesh on 15th and 16th and in east Rajasthan on 16th and 17th and vigorous monsoon conditions in Orissa on 14th and in east Madhya Pradesh on 15th. The very heavy amounts of rainfall associated with this system were : On 13th, 12 cm at Sandheads; On 14th 23 cm at Chandbali, 19 cm at Jharsuguda, 14 cm at Cuttack, 11 cm at Keonjhar and Angul and 10 cm at Ranchi; On 15th 11 cm at Mandla and 10 cm at Nimach; On 16th 10 cm at Kota Airport; On 17th 35 cm at Jhalwar.

The eastern end of the monsoon trough shifted northwards to the foot of the Himalayas on 16th and the western end by the 17th evening. The entire monsoon trough was lying close to the foot of the Himalayas on 17th evening and 18th. On 19th morning, the eastern end moved slightly southwards but the western end continued to remain close to the foot of the Himalayas till 20th. Associated with these, there was moderate to heavy rain in Assam, Sub-Himalayan West Bengal and Bihar Plains from 16th to 19th, and heavy to very heavy rain all along the foot of the Himalayas from 18th to 20th resulting in active monsoon conditions in Uttar Pradesh and Bihar Plains from 18th to 20th. Some of the very heavy amounts of rainfall were : On 16th 11 cm at Forbesganj; On 17th 14 cm at Jalpaiguri, 11 cm at Digboi; On 18th 15 cm at Agartala, 13 cm at Kalimpong and 10 cm at Silchar; On 19th, 15 cm at Dharmsala, 10 cm at Moradabad; On 20th 39 cm at Bahraich, 23 cm at Kheri, 12 cm at Nainital and 11 cm at Nautanwa.

At the eastern end of the monsoon trough, which moved southwards from the foot of the Himalayas on 19th, a cyclonic circulation extending to about 5.4 kms a.s.l. developed over south Assam and adjoining East Pakistan. It moved westwards and under its influence a low pressure area formed on 20th over Gangetic West Bengal and adjoining Bihar state and East Pakistan. This low pressure area moved northwestwards to east Uttar Pradesh and adjoining Bihar Plains by 22nd and weakened into a trough of low pressure over central Uttar Pradesh on 23rd. However, the associated upper air cyclonic circulation in the lower troposphere moved to west Uttar Pradesh on 24th morning and weakened on the same evening. This system caused active monsoon conditions in Gangetic West Bengal on 19th, 20th and 22nd, in Orissa on 20th, in Bihar State on 22nd and 23rd and in Uttar Pradesh on 23rd and 24th. With the movement of this system northwestwards, the eastern end of the monsoon trough gradually shifted northwards and on 25th the entire monsoon trough lay close to the foot of the Himalayas and continued to remain there till 27th causing fairly widespread rain with isolated heavy falls in Assam and Sub-Himalayan West Bengal from 25th to 27th. The noteworthy amounts of very heavy rainfall were : On 23rd, 16 cm at Lucknow Amausi, 10 cm at Lucknow City; On 24th 12 cm at Nainital and Bareilly and 10 cm at Moradabad; On 25th 11 cm at Cooch Behar, 9 cm at Tura; On 26th 9 cm at Pasighat;and on 27th 10 cm at Jalpaiguri.

A cyclonic circulation in the lower troposphere developed over West Bengal and neighbourhood on 27th, moved westwards to east Uttar Pradesh by 30th and persisted there on 31st also. This system caused fairly widespread rainfall in many parts of northeast India from 28th to 30th with active monsoon conditions in Bihar Plains on 28th.

According to press reports, the heavy rains in the various parts of north India during this month resulted in floods in most of the rivers in north India affecting Bijnor, Barabanki, Allahabad, Varanasi, Ghazipur and Ballia districts of Uttar Pradesh; Shahabad, Muzaffarpur, Patna, Darbhanga,Saharsa, Purnea, Monghyr and Bhagalpur districts of Bihar State; Jalpaiguri, Malda and Murshidabad districts of north Bengal and Bharatpur, Sawai Madhopur, Kotah, Jhalawar and Chittorgarh districts of east Rajasthan, The Jamuna flooded many villages near Delhi. In the last week of August, the Barak flooded vast areas in Cachar district in south Assam and the Brahmaputra inundated vast areas in Lakhimpur and Sibsagar districts of north Assam. During the last 10 days of the month, the monsoon was generally weak in northwest India, Gujarat State and the central parts of the country.

In the Peninsula, there was good rainfall in Mysore and Maharashtra States in the first week with active monsoon conditions in Madhya Maharashtra on 1st and 5th August. Some of the very heavy

amounts of rainfall recorded were :Mahabaleshwar 28 cm on 1st, 13 cm on 2nd, 20 cm on 4th, 19 cm on 5th and 13 cm on 6th; Bhira 23 cm on 1st, 14 cm on 2nd and Satara 10 cm on 1st. In the second week, there was only scattered light rain or thundershowers over most parts of the Peninsula.

A low pressure area developed on 16th evening over southeast Ceylon and adjoining Southwest Bay, moved westwards across Comorin to Maldives - Laccadives area by 18th. Then it moved northwest and lay as a well marked trough of low pressure off Mysore - north Kerala coasts on 19th. This trough extended further northwards off south Maharashtra coast and persisted till 21st morning and weakened by that evening. This system caused fairly widespread moderate rain in the south Peninsula on 17th and 18th and in Kerala and Arabian Sea Islands on 21st and 22nd with isolated heavy falls on 21st. The noteworthy amounts of heavy rainfall were : On 17th 7 cm at Kodaikanal; On 18th 19 cm at Coonoor, 10 cm at Kodaikanal and 8 cm at Ootacamund; On 21st 11 cm at Agathi, 10 cm at Calicut and 8 cm at Amini.

A north-south oriented trough at the surface and in the lower troposphere was lying over the Peninsula from 21st to 24th. A trough of low pressure developed over Andaman Sea on 21st and extended westwards into coastal Tamil Nadu across south Bay on 23rd causing widespread rain with isolated heavy falls in the Bay Islands from 21st to 23rd. Kondul recorded 9 cm of rain on 22nd and 16 cm on 23rd. This east-west trough shifted westwards and extended from southeast Bay to south Peninsula on 24th. On the same evening the associated upper air trough in the lower and middle troposphere extended northwestwards into east central Arabian Sea where a low pressure area formed on 25th morning off north-Kerala - Mysore - Goa - South Maharashtra coasts. This low pressure area became well-marked on 26th, shifted northwards towards Saurashtra and weakened into a trough of low pressure over Saurashtra on 28th evening. Associated with these, there was fairly widespread rainfall in many parts of the Peninsula from 21st to 26th and good rainfall in Gujarat State on 28th with active monsoon conditions in coastal Andhra Pradesh on 21st, in Telangana and Rayalaseema from 21st to 23rd, in Marathwada on 24th and Madhya Maharashtra on 26th. The noteworthy amounts of heavy rainfall were : On 21st 11 cm at Kurnool, 9 cm at Raichur and 7 cm at Hanamkonda; On 22nd 7 cm at Yeotmal; and on 23rd 9 cm at Jeur.

A trough in the mid-tropospheric easterlies lying over Andaman Sea on 27th moved westwards into central Bay of Bengal and adjoining southeast Bay on 28th. Under its influence a cyclonic circulation developed in the lower and middle troposphere over central Bay on 29th. This system caused widespread rain in the Bay Islands from 27th to 29th with isolated heavy falls on 27th and 28th. Hut Bay recorded 7 cm of rain on 27th and Long Island 7 cm on 28th. It gradually shifted westwards to west central Bay and adjoining coastal Andhra Pradesh on 30th and further westwards to south Maharashtra State on 31st. A trough of low pressure formed over Laccadives and adjoining east central Arabian Sea off north Kerala - Mysore coasts on 30th, shifted northwards and persisted over east central Arabian Sea off Goa - south Maharashtra coasts on 31st August. Under the influence of these two systems, there was fairly widespread rainfall in many parts of the Peninsula and in the Arabian Sea Islands from 29th to 31st with vigorous monsoon conditions in north Interior Mysore on 31st. The amounts of heavy rainfall were : On 29th 7 cm at Nandyal; On 30th 12 cm at Harnai; On 31st 13 cm at Dabolim (Goa), 12 cm at Belgaum, 9 cm at Androth and Bijapur and 7 cm at Amini.

The rainfall was in large excess in Rayalaseema and North Interior Mysore; in moderate excess in west Uttar Pradesh, Haryana, Himachal Pradesh, west Madhya Pradesh, Madhya Maharashtra, Marathwada and Tamil Nadu; in slight excess in Assam, Gangetic West Bengal, East Uttar Pradesh, East Rajasthan and south Interior Mysore; normal in Bay Islands, Bihar and Arabian Sea Islands. It was in slight defect in Sub-Himalayan West Bengal, Orissa, Punjab, East Madhya Pradesh and Telangana, moderate defect in Jammu and Kashmir, west Rajasthan, Gujarat, Konkan, Vidarbha, Coastal Andhra Pradesh, Coastal Mysore and Kerala, in large defect in Saurashtra.

The mean maximum temperature was above normal in Jammu and Kashmir, west Rajasthan and Coastal Mysore; below normal in South Assam. It was normal over the rest of the country.

The mean minimum temperature was above normal in Jammu and Kashmir; below normal in Bihar Plains. It was normal over the rest of the country.

The Relative Humidity in the morning was normal all over the country.

The Relative Humidity in the evening was above normal in Jammu & Kashmir and below normal in Rajasthan and it was normal over the rest of the country.

The mean cloud amount in the morning was below normal in Jammu & Kashmir and normal over the rest of the country.

The mean cloud amount in the evening was below normal in Jammu and Kashmir and normal over the rest of the country.

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

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

Poona - 5;
4 October 1969.

Y.P. RAO,
for Director General of Observatories.

TABLE I - DIVISIONAL AND SUB-DIVISIONAL MEANS - AUGUST ,1969 SRAVANA 10 - BHADRA 9,1891 SAKA)

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1.ASSAM(INCLUDING.	444.7	119	31.2	24.1	87	82	6.6	5.9
NEFA,N.L.ETC) .	+ 71.4		-0.5	-0.6	+ 1	0	-0.1	0.0
2.WEST BENGAL .	394.1	104	31.3	25.0	86	82	6.4	6.5
.	+ 16.8		-0.4	-0.8	+ 1	0	-0.1	+0.2
3.ORISSA .	315.5	89	30.5	24.2	85	82	6.1	6.3
.	- 37.3		-0.1	-0.6	0	0	-0.5	-0.5
4.BIHAR .	339.0	106	31.3	24.5	86	81	6.6	6.6
.	+ 20.4		-0.4	-1.0	+ 2	+ 1	+0.1	+0.2
5.UTTAR PRADESH .	370.7	120	31.8	24.7	87	78	5.8	5.8
.	+ 61.8		-0.2	-0.5	+ 1	0	0.0	+0.2
6.HARYANA(INCLU. .	253.7	129	33.7	25.4	83	68	3.8	3.9
DELHI CHANDIGARH).	+ 57.1		0.0	+0.2	+ 3	+ 1	-0.7	-0.3
7.PUNJAB .	154.4	77	34.9	25.6	79	63	3.7	3.6
.	- 46.4		+0.5	0.0	- 2	- 4	-0.5	-0.4
8.HIMACHAL .	526.6	132	31.5	22.6	90	80	5.0	4.5
PRADESH .	+127.0		+0.4	+0.1	+ 2	+ 5	-1.0	-0.9
9.JAMMU AND .	72.9	62	28.6	13.9	75	53	3.6	2.7
KASHMIR .	- 44.4		+1.7	+1.3	+ 1	+ 8	-0.9	-1.4
10.RAJASTHAN .	170.7	98	34.0	24.9	77	60	4.5	4.9
.	- 3.6		+0.9	-0.3	- 3	- 6	-0.5	-0.4
11.MADHYA PRADESH .	376.4	110	29.5	22.9	88	79	6.3	6.7
.	+ 35.1		0.0	-0.5	+ 1	0	-0.5	-0.2
12.GUJARAT STATE .	73.7	48	31.1	24.9	87	74	6.5	6.4
(INCLU.DIU ETC).	- 81.3		+0.2	0.0	0	0	-0.2	0.0
13.MAHARASHTRA .	219.3	80	30.0	22.9	86	75	6.3	6.5
STATE(INCL.GOA).	- 55.0		+0.7	0.0	0	0	-0.4	-0.3
14.ANDHRA PRADESH .	126.5	80	32.5	24.3	79	66	5.6	6.0
.	- 30.7		+0.6	-0.2	+ 1	- 1	-0.7	-0.6
15.TAMILNADU .	102.9	126	34.1	24.6	73	63	5.1	5.9
(INCL.PONDICH.).	+ 21.5		+0.4	-0.3	+ 3	+ 3	-0.3	0.0
16.MYSORE .	252.6	97	29.0	21.3	86	71	6.6	6.8
.	- 7.7		+0.8	0.0	0	- 2	-0.2	0.0
17.KERALA .	188.5	64	29.9	23.2	87	80	6.1	6.6
.	-108.2		+0.9	-0.2	- 2	- 2	-0.4	0.0

SUB-DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
SUB-DIVISION								
1.BAY ISLANDS .	352.4	100	30.2	23.7	85	87	6.1	6.5
.	- 0.6		+0.9	-0.8	+ 1	+ 1	-0.3	-0.2
2.NORTH ASSAM .	430.2	118	31.8	24.4	87	82	6.4	5.5
(INCLUDING NEFA) .	+ 65.9		-0.3	-0.6	+ 1	+ 1	-0.2	-0.1
3.SOUTH ASSAM .	480.2	122	29.8	23.3	87	84	7.0	6.7
(INCL.N.LAND ETC).	+ 85.0		-1.1	-0.6	+ 1	+ 1	+0.2	+0.2
4.SUB-HIMALAYAN .	445.5	81	31.2	24.6	87	82	6.7	6.3
WEST BENGAL .	-106.2		-0.3	-0.8	+ 2	+ 1	+0.3	+0.4
5.GANGETIC WEST- .	377.0	118	31.3	25.1	85	83	6.3	6.7
BENGAL .	+ 57.8		-0.4	-0.8	+ 1	0	-0.2	+0.2
6.ORISSA .	315.5	89	30.5	24.2	85	82	6.1	6.3
.	- 37.3		-0.1	-0.6	0	0	-0.5	-0.5
7.BIHAR PLATEAU .	340.0	102	30.9	24.2	84	79	6.4	7.2
.	+ 5.7		-0.2	-0.7	0	- 2	-0.3	+0.4
8.BIHAR PLAINS .	338.3	110	31.6	24.7	86	82	6.7	6.1
.	+ 30.2		-0.6	-1.3	+ 2	+ 2	+0.3	0.0
9.UTTAR PRADESH .	352.6	113	31.9	25.4	87	80	6.3	6.0
(EAST) .	+ 39.7		-0.4	-0.5	+ 1	0	+0.3	+0.3
10.UTTAR PRADESH .	397.9	131	31.6	23.6	86	75	4.9	5.5
(WEST) .	+ 94.9		+0.1	-0.7	+ 1	0	-0.6	+0.1
11.HARYANA(INCLU. .	253.7	129	33.7	25.4	83	68	3.8	3.9
DELHI CHANDIGARH).	+ 57.1		0.0	+0.2	+ 3	+ 1	-0.7	-0.3
12.PUNJAB .	154.4	77	34.9	25.6	79	63	3.7	3.6
.	- 46.4		+0.5	0.0	- 2	- 4	-0.5	-0.4
13.HIMACHAL .	526.6	132	31.5	22.6	90	80	5.0	4.5
PRADESH .	+127.0		+0.4	+0.1	+ 2	+ 5	-1.0	-0.9
14.JAMMU AND KASH- .	72.9	62	28.6	13.9	75	53	3.6	2.7
-MIR .	- 44.4		+1.7	+1.3	+ 1	+ 8	-0.9	-1.4
15.RAJASTHAN(WEST).	57.3	56	35.9	25.5	73	53	3.9	4.4
.	- 44.4		+1.3	-0.2	- 4	- 7	-0.4	-0.2
16.RAJASTHAN(EAST).	263.4	113	32.4	24.4	80	66	4.9	5.3
.	+ 29.6		+0.5	-0.4	- 3	- 6	-0.7	-0.6
17.MADHYA PRADESH .	402.3	137	29.4	22.6	89	79	6.4	6.7
(WEST) .	+108.8		+0.1	-0.5	+ 1	+ 1	-0.5	-0.1
SUB-DIVISION(CONTD)								
18.MADHYA PRADESH .	341.8	84	29.6	23.4	86	79	6.1	6.7
(EAST) .	- 63.2		-0.2	-0.3	0	- 1	-0.6	-0.2
19.GUJARAT REGION .	122.0	58	31.1	24.5	88	74	6.5	6.5
(INCL.DAMAN ETC).	- 86.8		0.0	0.0	0	0	-0.4	+0.2
20.SAURASHTRAKUTCH.	40.2	34	31.0	25.1	85	74	6.5	6.3
(INCLUDING DIU) .	- 77.4		+0.2	-0.2	0	- 1	-0.1	-0.2
21.KONKAN .	306.3	65	29.3	24.8	88	82	6.7	6.5
(INCLUDING GOA).	-163.5		+0.7	+0.5	0	- 3	-0.2	-0.3
22.MADHYA- .	172.0	146	30.0	21.7	86	73	5.9	6.3
-MAHARASHTRA .	+ 54.0		+0.6	-0.1	+ 2	+ 3	-0.5	-0.4
23.MARATHWADA .	168.6	128	30.2	21.7	85	68	6.4	6.5
.	+ 37.0		+0.6	-0.1	0	0	-0.4	-0.4
24.VIDARBHA .	201.8	67	30.5	22.9	85	73	6.2	6.7
.	- 98.3		+0.7	-0.4	- 1	- 2	-0.5	-0.1
25.COASTAL ANDHRA .	71.6	50	33.1	25.5	78	70	5.6	5.7
-PRADESH .	- 72.2		+0.4	-0.2	0	0	-0.6	-0.8
26.TELANGANA .	170.4	82	31.6	23.4	82	66	5.8	6.1
.	- 38.1		+0.9	-0.2	+ 1	- 4	-0.6	-0.5
27.RAYALASEEMA .	173.1	178	32.7	23.2	76	56	5.5	6.5
.	+ 75.6		+0.6	-0.3	+ 4	+ 1	-1.0	-0.3
28.TAMILNADU .	102.9	126	34.1	24.6	73	63	5.1	5.9
(INCL.PONDICH.).	+ 21.5		+0.4	-0.3	+ 3	+ 3	-0.3	0.0
29.COASTAL MYSORE .	366.1	55	29.3	23.2	89	83	6.7	6.9
.	-298.3		+1.1	-0.3	- 2	- 4	-0.4	-0.2
30.INTERIOR MYSORE.	251.6	178	29.7	21.4	86	69	7.0	7.0
(NORTH) .	+110.6		+0.9	+0.3	+ 2	0	+0.6	+0.3
31.INTERIOR MYSORE.	196.8	121	28.2	20.3	84	66	6.1	6.5
(SOUTH) .	+ 34.1		+0.6	0.0	- 1	- 3	-0.8	-0.3
32.KERALA .	188.5	64	29.9	23.2	87	80	6.1	6.6
.	-108.2		+0.9	-0.2	- 2	- 2	-0.4	0.0
33.ARABIAN SEA- .	225.6	106	29.9	24.8	83	78	6.2	6.7
ISLANDS .	+ 12.3		+0.5	-0.5	0	- 2	+0.1	+0.2

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

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — AUGUST 1969 SRAVANA 10 - BHADRA 9, 1891 SAKAI

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.5 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a.	20 b.	21	22	23	24	25	26	27	28
BAY ISLANDS																												
MAYA BANDAR	30.1	+1.2	31.6	27	24.0	-0.4	21.9	31	108.9	161.1	-260.9	21.6	31	15	- 4.7	17.5	13.9	+0.6	1	25	0	0	7	0	0	0	0	0
LONG ISLAND	30.8	+0.9	33.3	27	24.4	-0.1	22.5	28	152.2	253.5	-151.9	66.6	28	16	- 1.7	7.8	5.8	+2.2	1	22	0	0	1	0	0	0	0	0
PORT BLAIR	29.6	+0.8	31.4	18	23.6	-0.5	21.7	19	188.2	374.3	- 46.3	48.7	19	18	- 1.9	20.7	15.0	-3.9	1	24	0	0	6	4	0	0	0	0
CAR NICOBAR	30.5	+0.6	31.5	21	23.1	-1.3	20.0	14	125.7	250.6	- 64.6	42.3	27	14	- 1.2	6.3	4.4	-1.4	0	16	0	0	0	0	0	0	0	0
NAN COWRY	30.9	+1.7	33.0	15	24.5	-0.3	21.9	27	134.8	290.0	+ 53.5	66.0	18	12	- 3.3	7.7	6.1	-6.6	0	17	0	0	0	0	0	0	0	0
KONDUL	29.2	+0.2	31.1	04	22.7	-2.1	20.5	27	192.5	784.6	+466.5	350.4	18	13	- 2.9	4.2	4.1	-4.8	0	14	0	0	0	0	0	0	0	0
HUT BAY/LITTLE ANDAMAN	31.3	..	33.4	27	..	..	..	..	148.0	296.2	..	50.0	29	16	..	8.9	6.0	..	0	23	0	0	2	0	0	0	0	0
NORTH ASSAM (INCLUDING NEFA)																												
PASIGHAT	30.2	-0.8	35.6	14	23.5	-0.5	21.9	17	364.3	1245.0	+460.3	227.4	17	22	+ 4.0	4.0	3.7	+0.2	0	24	0	0	11	0	0	0	0	0
DIBRUGARH (MOHANBARI)	30.9	-0.4	35.3	14	24.2	-0.5	21.5	14	87.7	571.6	+153.2	86.2	14	20	+ 2.3	5.6	4.3	+1.2	0	24	0	0	16	0	0	0	0	1
DIGBOI	31.1	-0.7	35.8	14	23.5	-1.1	22.3	19	80.1	494.2	+ 66.8	120.3	17	19	+ 1.0	3.8	3.6	..	0	26	0	0	0	0	0	0	0	0
NORTH LAKHIMPUR	31.2	0.0	36.3	14	23.7	-0.9	20.8	14	82.6	736.1	+208.0	122.4	06	19	0.0	6.6	4.3	..	2	24	0	0	11	0	0	0	0	0
SIBSAGAR	33.2	+1.1	35.8	13	26.2	+0.8	20.0	09	41.0	574.4	+161.4	110.2	01	16	- 2.6	6.2	3.6	-1.5	0	16	0	0	0	0	0	0	0	0
GUHPUR	31.5	-1.0	35.6	14	24.6	-0.2	22.8	18	151.7	520.8	+221.8	119.2	02	17	+ 4.2	4.0	3.1	..	0	20	0	0	0	0	0	0	0	0
MAJBAT	32.5	..	36.1	14	24.4	..	22.4	18	8.2	176.3	-158.1	55.2	18	9	- 6.1	7.1	4.9	+1.2	0	9	0	0	0	0	0	0	0	0
JORHAT AERODROME	32.3	..	36.3	14	24.7	..	22.2	08	82.3	316.6	..	60.7	18	17	..	..	..	..	0	23	0	0	7	0	0	0	0	0
TANGLA	32.4	-0.5	36.0	14	25.2	+0.1	22.4	14	12.6	195.0	- 28.3	45.0	12	12	+ 0.8	5.1	5.0	+3.3	0	13	0	0	0	0	0	0	0	0
TEZPUR	32.1	-0.1	36.4	14	24.9	-0.5	22.8	18	102.7	341.8	+ 16.4	114.9	18	14	- 1.8	5.2	4.4	+2.1	0	16	0	0	0	0	0	0	0	0
GOLAGHAT	32.4	+0.1	36.6	14	22.9	-1.2	20.4	29	69.8	318.8	- 16.1	43.2	14	18	+ 2.3	2.8	2.8	..	0	24	0	0	0	0	0	0	0	0
RANGIA	32.2	-0.8	35.5	14	25.3	+0.2	23.9	19	30.3	166.6	-119.4	58.2	05	12	+ 0.2	8.2	4.9	..	0	14	0	0	1	0	0	0	0	0
CHAPARMUKH	32.5	-0.2	36.1	04	25.9	+0.2	24.3	19	0.0	310.0	+ 51.4	86.2	16	14	- 1.2	1.8	3.0	..	0	15	0	0	1	0	0	0	0	0
GOALPARA	32.0	-0.4	36.1	14	21.8	-3.4	19.9	20	129.4	335.5	+ 68.3	53.2	03	18	+ 4.5	4.2	2.6	-0.1	0	21	0	0	0	0	0	0	0	0
GAUHATI (BHORJOR)	31.8	-0.3	35.2	14	25.1	-0.7	23.5	20	119.8	303.1	+ 7.9	52.8	22	18	+ 5.7	6.3	3.6	..	1	24	0	0	20	0	0	0	0	0
DHUBRI (RUPSI)	31.2	-0.6	34.9	14	24.8	-0.6	23.1	18	202.0	429.0	- 35.6	54.1	23	18	+ 3.7	7.9	6.4	+2.3	1	23	0	1	17	0	0	0	0	0
DHUBRI	30.8	+0.1	34.2	06	24.8	-1.2	22.8	19	116.2	473.2	+134.4	70.8	27	20	+ 5.4	8.1	7.4	+2.0	0	23	0	0	0	0	0	0	0	0
LUMDING	33.0	+0.1	36.4	14	24.2	-0.5	22.4	21	47.7	121.3	- 73.5	24.0	18	11	- 0.1	5.9	3.8	..	0	12	0	0	0	0	0	0	0	0
BUMDILLA	19.1	..	25.7	14	11.1	..	8.5	15	14.8	168.8	..	31.2	20	15	..	..	..	..	0	16	0	0	0	20	1	0	0	0
TAWANG	16.0	..	17.8	31	8.9	..	6.6	10	23.4	80.2	..	18.2	18	9	..	..	..	..	0	9	0	0	0	0	0	0	0	0
TEZU	31.1	..	37.4	14	23.6	..	21.5	07	107.8	561.8	..	73.2	15	18	..	..	..	..	0	24	0	0	0	0	0	0	0	0
ALONG	32.1	..	38.6	13	23.5	..	21.8	18	63.4	302.7	..	57.4	31	19	..	..	..	..	0	23	0	0	0	0	0	0	0	0
ZIRO	27.0	..	30.6	14	16.4	..	14.7	14	67.9	211.2	..	35.9	18	16	..	30.7	7.9	..	0	17	0	0	1	10	0	0	0	0
KHONSA	28.1	..	32.0	14	21.7	..	20.1	20	280.2	756.0	..	91.0	17	25	..	..	..	..	0	27	0	0	0	0	0	0	0	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																												
TURA	28.7	-0.6	30.9	01	23.5	+0.2	21.1	15	187.3	609.2	+ 59.8	87.3	25	23	+ 2.3	5.8	4.9	-0.7	0	27	0	0	0	0	0	0	0	0
HAFLONG	..	..	..	..	..	..	..	..	61.1	335.3	+ 93.3	58.4	18	20	+ 1.3	..	..	..	0	25	0	0	1	0	0	0	0	0
SILCHAR (KUMBHIRGRAM)	30.9	-1.2	35.7	14	23.9	-0.3	22.5	15	150.8	745.9	+181.9	144.3	18	24	+ 2.3	6.7	5.5	+0.6	0	25	0	0	9	1	0	0	0	0
SILCHAR	29.0	-2.2	33.1	08	25.0	+0.5	23.3	15	167.6	582.0	+ 59.0	100.2	18	24	+ 1.8	0.1	0.0	-1.8	0	27	0	0	3	0	0	0	0	0
IMPHAL (TULIHAL)	27.9	-0.9	30.5	04	19.2	-2.5	17.5	27	77.5	243.5	+ 54.9	41.6	18	20	+ 7.6	7.9	5.6	+0.2	0	28	0	0	2	0	0	0	0	0
KAILASHAHAR	31.1	-1.2	34.1	29	24.2	-0.6	22.4	18	241.5	424.4	+ 76.3	101.0	18	25	+ 6.2	8.1	7.9	+3.9	1	29	6	5	22	1	3	0	0	0
AGARTALA	30.9	-0.6	34.2	14	23.9	-1.0	22.3	20	176.1	420.9	+ 69.6	153.3	18	16	- 1.3	10.8	9.5	+1.4	1	25	0	0	12	1	0	0	0	0
TUENSANG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
MOKOKCHUNG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
SUB-HIMALAYAN WEST BENGAL																												
BAGHDOGRA	31.3	-0.4	34.6	14	24.1	-0.6	22.7	30	77.0	466.6	-218.1	113.6	30	26	+ 4.3	..	..	..	1	30	0	0	17	0	0	0	1	0
JALPAIGURI	30.5	-0.3	34.3	14	23.8	-1.1	22.1	25	115.2	538.4	-120.5	136.0	17	22	+ 1.3	7.9	7.4	+1.7	0	27	0	0	8	0	0	0	0	0
COOCH BEHAR AERODROME	31.0	-0.9	34.6	13	24.2	-1.7	21.9	25	230.7	528.2	- 51.9	112.6	25	20	+ 2.5	6.6	4.4	+0.9	0	27	0	0	15	0	0	0	0	0
BALURGHAT	31.7	..	34.0	08	25.4	..	23.0	18	86.1	264.5	..	60.2	18	14	..	8.2	6.7	..	1	19	0	0	1	0	0	0	0	0
MALDA	31.8	+0.2	34.0	26	26.1	-0.1	24.4	18	100.5	248.9	- 34.3	42.8	22	18	+ 3.2	4.1	3.4	-4.0	0	22	0	0	9	0	0	0	0	0
HASHIMARA AERODROME	32.0	..	36.0	14	23.6	..	21.8	16	155.1	637.7	..	105.4	18	22	..	..	..	..	0	27	0	0	16	0	0	0	0	0
GANGETIC WEST BENGAL																												
BERHAMPORE	31.6	-0.7	34.5	28	25.0	-1.1	19.6	21	133.2	394.2	+ 96.0	69.2	19	21	+ 4.5	4.5	3.2	-1.3	0	25	0	0	6	0	0	0	0	0
SURI	30.4	-1.7	35.3	28	25.0	-0.6	23.1	19	..	363.0	+ 91.0	62.2	19	17	+ 1.0	.	7.3	-0.3	0	22	0	0	5	0	0	0	0	0
ASANSOL	32.1	+0.5	36.1	28	24.7	-0.8	22.7	09	88.2	279.6	- 67.1	77.4	09	16	- 1.3	7.6	5.8	-1.5	0	22	0	0	9	0	0	0	0	0
SHANTI NIKETAN	31.8	..	35.3	28	25.2	..	23.3	19	73.8	353.5	..	78.4	12	17	..	6.4	4.9	..	0	24	0	0	18	0	0	0	0	0
KRISHNANAGAR	32.0	-0.4	36.3	28	24.0	-1.7	21.2	21	96.2	346.8	+ 75.8	80.4	19	20	+ 4.2	10.5	8.3	+3.0	1	23	0	0	7	0	0	0	0	0
PURULIA	30.8	-0.6	34.9	28	24.3	-0.6	22.6	20	174.9	374.8	+ 68.6	110.4	09	19	+ 2.5	6.8	5.3	0.0	2	22	0	0	12	0	0	0	0	0
BANKURA	32.3	..	36.6	28	25.3	..	23.1	09	126.4	391.1	+ 72.6	79.0	09	17	+ 0.8	2.0	1.8	..	0	24	0	0	0	0	0	0	0	0
BURDWAN	32.8	+0.9	37.2	31	25.3	-0.5	23.4	19	159.8	372.9	+ 55.9	58.3	22	20	+ 3.5	10.0	7.1	+0.8	0	21	0	0	1	0	8	0	0	0
CALCUTTA (DUM DUM)	31.2	-0.6	34.7	28	25.4	-0.6	23.4	20	176.6	503.4	+224.6	101.1	08	21	+ 2.7	11.4	9.6	-0.4	2	22	0	0	14	0	0	0	1	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – AUGUST 1969 (SRAVANA 10 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
[illegible]																												
[illegible]	31.6	-0.4	35.6	28	25.6	-0.7	23.1	20	122.0	429.7	+ 95.7	81.6	08	17	- 0.6	9.2	6.8	+1.5	1	22	1	0	13	0	1	0	4	0
[illegible]	31.3	-0.6	35.0	28	25.2	-0.6	23.0	20	111.6	345.2	+ 3.6	113.8	09	17	+ 0.2	6.6	5.2	+0.4	0	20	0	0	0	0	0	0	0	0
[illegible]	30.7	-0.5	35.6	29	25.5	-0.7	22.7	14	179.8	354.8	- 12.1	68.0	08	12	- 4.2	11.0	9.9	-0.2	0	15	0	0	4	0	0	0	0	0
[illegible]	29.7	-0.5	31.6	29	26.6	-0.1	24.1	19	168.7	368.7	- 10.8	107.0	21	13	- 2.8	24.4	25.3	+3.6	1	18	0	0	8	0	0	0	0	0
[illegible]	30.2	..	33.0	07	27.1	..	24.4	19	105.0	384.2	+145.2	115.8	13	10	- 2.0	..	..	..	0	12	0	0	2	0	0	0	0	0
[illegible]	31.7	..	35.7	28	24.5	..	22.1	19	128.6	337.8	..	56.0	15	15	..	9.1	7.5	..	1	19	0	0	0	0	0	0	0	0
[illegible]																												
[illegible]	31.7	-0.6	36.1	28	25.1	-0.3	23.4	20	94.0	250.7	-121.2	74.6	14	12	- 5.7	2.4	1.4	-0.8	2	19	0	0	8	0	0	0	0	0
[illegible]	29.9	-1.0	34.6	28	24.0	-0.7	22.6	02	240.5	462.1	+ 26.3	186.6	14	15	- 2.0	11.9	9.6	+0.8	3	20	0	0	8	0	0	0	1	0
[illegible]	29.1	-0.5	33.4	28	24.5	+1.0	22.8	30	118.0	364.6	+ 89.6	128.0	14	15	- 1.0	10.4	7.2	+0.3	0	17	0	0	0	0	0	0	0	0
[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
[illegible]	30.3	-0.4	34.1	28	23.2	-1.7	21.9	03	127.1	378.0	-116.5	113.2	14	18	- 1.0	..	..	..	0	19	0	0	0	0	0	0	0	0
[illegible]	31.0	-0.1	35.2	27	22.5	-2.6	21.1	20	126.6	302.0	+ 8.1	170.2	14	9	- 5.9	..	..	..	0	14	0	0	1	0	0	0	0	0
[illegible]	31.2	-0.1	34.7	28	25.0	-0.9	20.0	24	182.4	463.0	+121.9	282.2	14	12	- 2.5	14.1	13.3	+3.1	0	16	0	0	0	0	0	0	0	0
[illegible]	30.8	-0.4	35.1	27	..	..	..	..	100.7	193.9	-130.7	47.7	08	17	+ 2.0	4.4	8.6	+0.3	0	20	0	0	1	0	0	0	0	0
[illegible]	28.9	..	33.0	29	22.0	..	20.7	09	153.7	246.7	..	61.5	08	15	..	10.4	6.3	..	0	20	0	0	0	3	0	0	0	0
[illegible]	32.0	+0.4	36.7	28	25.4	-0.2	21.0	24	109.1	346.2	- 7.4	136.2	14	11	- 5.0	9.8	8.0	+1.9	0	16	0	0	4	0	0	0	0	0
[illegible]	31.4	+1.0	35.2	30	24.3	-0.1	22.3	08	136.3	303.8	-109.1	77.2	20	9	- 7.9	10.5	9.6	+6.1	0	15	0	0	6	0	0	0	0	0
[illegible]	31.2	-0.1	35.0	28	24.7	-0.7	22.6	20	195.1	408.2	+ 72.2	110.4	29	13	- 4.3	21.1	18.6	+4.7	0	17	0	0	10	0	0	0	0	0
[illegible]	30.5	-0.5	32.3	29	26.7	-0.1	24.1	22	106.4	238.3	- 30.2	90.8	08	9	- 3.4	15.1	23.9	+4.2	0	11	0	0	0	0	0	0	0	0
[illegible]	30.3	-0.8	33.4	10	24.7	-1.4	22.4	06	23.9	90.5	- 99.8	29.4	14	8	- 2.2	..	..	..	0	9	0	0	4	0	0	0	1	0
[illegible]	26.5	+1.3	29.4	24	19.7	-0.5	16.5	31	110.4	299.7	-188.5	51.2	06	20	- 1.6	..	..	..	0	24	0	0	0	0	0	0	0	0
[illegible]	32.2	..	34.4	31	26.1	..	24.4	08	40.8	115.8	..	49.8	14	7	..	35.9	28.7	..	0	8	0	0	0	0	0	0	0	0
[illegible]	30.1	..	34.0	28	24.6	..	22.9	20	167.2	284.0	..	43.7	15	13	..	..	..	..	0	19	0	0	4	0	0	0	0	0
[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
[illegible]																												
[illegible]	31.2	-0.4	34.5	27	24.3	-0.8	21.9	28	125.6	394.5	+ 55.4	94.0	19	21	+ 3.3	3.7	4.7	-0.3	0	25	0	0	0	0	0	0	0	0
[illegible]	33.3	+1.8	37.3	08	24.2	-0.9	22.1	22	106.2	321.3	- 41.4	82.0	08	12	- 4.5	7.6	6.0	+0.5	0	17	0	0	0	0	0	0	0	0
[illegible]	..	..	..	..	..	..	..	..	134.5	305.8	- 43.2	39.4	14	18	+ 0.7	6.4	5.2	-3.7	0	25	0	0	11	0	0	0	0	0
[illegible]	30.8	0.0	34.4	28	24.8	0.0	22.0	13	124.7	419.3	+ 62.3	116.8	09	18	+ 1.3	7.1	5.0	-3.6	0	22	0	0	2	0	0	0	0	0
[illegible]	28.1	-0.7	31.6	28	22.0	-0.9	20.4	14	214.9	392.8	+ 93.7	97.2	14	16	+ 0.4	13.0	12.0	+1.7	1	26	0	0	14	0	0	0	0	0
[illegible]	31.1	-0.7	35.6	28	25.2	-0.5	23.8	19	87.4	280.1	- 94.2	61.8	09	12	- 4.9	10.7	7.7	+0.6	1	20	0	0	3	0	0	0	1	0
[illegible]	31.1	-0.7	35.2	28	24.7	-0.7	23.4	13	135.0	290.0	+ 8.2	61.0	09	13	- 2.7	8.8	5.8	-0.3	0	17	0	0	12	0	0	0	0	0
[illegible]	30.9	-0.5	35.2	29	24.1	-0.9	22.6	19	153.8	315.8	+ 4.4	43.6	25	15	- 1.6	6.2	4.2	+0.8	0	18	0	0	7	0	0	0	0	0
[illegible]																												
[illegible]	32.1	-0.1	35.4	14	24.3	-1.7	21.6	28	180.9	485.3	+215.0	75.0	08	16	+ 3.1	..	..	..	0	19	0	0	0	0	0	0	0	0
[illegible]	31.0	-1.5	34.2	13	25.4	+0.1	23.0	16	77.1	416.2	+111.6	112.2	16	20	+ 4.4	11.9	9.3	+2.4	1	27	0	0	10	0	0	0	0	0
[illegible]	32.2	+0.1	35.1	13	24.7	-1.5	22.2	28	149.8	407.6	+ 74.9	67.5	19	18	+ 4.5	5.9	4.7	-1.3	1	20	0	0	2	0	0	0	0	0
[illegible]	31.5	..	33.8	14	25.7	..	23.3	27	167.4	420.2	+ 97.6	94.6	20	19	+ 5.0	7.5	5.9	..	1	22	0	0	7	0	0	0	0	0
[illegible]	31.7	..	34.4	07	25.9	..	24.2	27	154.0	342.9	+ 53.9	50.4	23	17	+ 3.0	7.8	5.4	..	0	22	0	0	0	0	0	0	0	0
[illegible]	31.5	-0.4	34.4	13	23.2	-2.7	21.0	28	50.0	258.5	- 71.2	47.6	22	13	- 3.2	5.4	3.8	-0.9	0	19	0	0	0	0	0	0	0	0
[illegible]	31.2	-1.0	33.3	02	25.9	-0.5	23.8	28	120.2	326.6	+ 48.3	67.3	23	18	+ 5.2	8.5	6.4	-0.1	2	23	0	0	16	1	0	0	0	0
[illegible]	..	..	..	..	..	..	..	..	..	30.4	-307.8	6.4	26	6	- 9.1	..	..	..	0	11	0	0	0	0	0	0	0	0
[illegible]	31.3	-1.0	35.7	07	26.1	-0.2	24.4	19	159.7	298.9	+ 48.0	53.5	19	16	+ 2.3	5.3	6.6	+0.6	2	22	0	0	13	0	0	0	0	0
[illegible]	31.7	-0.2	34.0	08	24.1	-2.2	22.0	18	133.0	336.4	+ 70.2	66.0	19	15	+ 0.2	9.1	7.1	-1.2	1	22	0	0	17	0	0	0	0	0
[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
[illegible]	31.6	-0.7	35.0	28	23.1	-3.0	20.1	29	111.7	227.4	-133.5	51.0	29	16	+ 1.2	6.0	5.1	+0.1	0	19	0	0	0	0	0	0	0	0
[illegible]	31.9	-0.5	34.8	28	25.5	-0.4	23.5	29	156.4	509.2	+155.4	65.5	09	16	+ 0.7	11.5	9.9	-0.2	2	19	0	0	15	0	0	0	0	0
[illegible]	..	..	..	..	26.2	..	25.0	11	87.6	346.8	..	47.0	18	17	..	.	12.0	..	0	18	0	0	0	0	0	0	0	0
[illegible]																												
[illegible]	32.0	-0.2	36.0	28	25.9	+0.1	23.6	24	248.8	511.1	+206.6	231.8	20	10	- 3.4	4.5	2.9	-0.4	0	14	0	0	2	0	0	0	0	0
[illegible]	31.9	-0.3	35.5	28	25.7	-0.4	22.6	29	258.4	807.6	+494.4	387.2	20	13	+ 0.2	8.5	6.4	+0.1	0	20	0	0	9	0	0	0	0	0
[illegible]	32.2	+0.1	35.4	14	23.5	-2.4	21.0	20	109.8	483.7	+ 73.2	132.4	20	19	+ 2.4	7.4	5.4	-0.8	0	23	0	0	0	0	0	0	0	0
[illegible]	31.5	-1.0	35.3	28	25.8	-0.3	22.7	23	142.8	341.2	+ 17.1	88.0	19	7	- 6.2	6.5	5.3	-0.2	0	7	0	0	0	0	0	0	0	0
[illegible]	31.7	-0.5	35.2	28	24.8	-1.1	21.6	29	241.4	459.2	+106.5	120.0	08	15	+ 0.5	5.6	5.5	+0.3	0	15	0	0	0	0	0	0	0	0
[illegible]	32.0	-0.5	35.2	29	25.0	-1.0	22.3	23	65.6	259.0	- 27.5	102.8	23	13	- 0.7	..	..	..	0	13	0	0	0	0	0	0	0	0
[illegible]	32.2	0.0	35.3	29	25.7	-0.1	23.3	23	71.3	381.1	+ 49.8	162.0	23	9	- 5.8	12.7	9.9	+1.5	1	15	0	0	6	0	0	0	0	0
[illegible]	31.9	-0.7	36.6	29	25.8	+0.4	23.6	21	164.1	362.9	+ 11.3	70.9	18	13	- 2.4	5.5	3.8	+0.1	0	18	0	0	3	0	0	0	0	0
[illegible]	31.9	-0.4	34.9	01	24.4	-1.8	22.1	27	125.5	230.9	-115.0	30.8	03	16	+ 0.9	6.6	5.0	+0.4	0	21	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — AUGUST 1969 (SRAVANA 18 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 to 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																												
KANPUR	31.8	-0.3	35.9	29	25.4	-0.4	23.5	17	131.1	183.6	- 90.5	43.0	15	13	- 0.1	14.2	11.2	+1.3	0	15	0	0	4	0	0	0	0	0
KANPUR (AERODROME)	32.1	..	36.1	29	25.8	..	23.8	17	136.1	183.2	..	28.2	12	15	..	..	..	..	0	17	0	0	9	0	0	0	0	0
SULTANPUR	31.6	-0.6	36.0	29	25.6	-0.2	23.7	29	186.8	400.9	+ 50.9	126.0	07	14	- 1.4	5.5	4.7	-0.6	1	16	0	0	6	0	0	0	0	0
AZAMGARH	31.6	-0.9	35.2	28	25.0	-1.1	22.4	21	113.4	321.4	+ 39.6	39.6	18	17	+ 2.7	4.9	3.8	..	0	19	0	0	0	0	0	0	0	0
FATEHPUR	31.8	-0.3	36.0	29	25.7	-0.2	23.2	30	121.6	214.3	- 67.4	37.4	19	13	- 0.5	..	..	..	0	18	0	0	0	0	0	0	0	0
BALLIA	32.0	-0.8	34.9	07	25.7	+0.2	23.0	29	109.2	325.8	+ 75.9	64.8	29	19	+ 7.0	7.0	4.8	+0.5	0	19	0	0	0	0	0	0	0	0
BANDA	31.9	-0.2	36.6	28	25.7	+0.1	23.2	31	190.6	346.6	- 0.1	107.4	12	15	+ 0.4	2.2	1.0	-1.4	0	19	0	0	0	0	0	0	0	0
ALLAHABAD (BAMHRAULI)	31.9	-0.2	36.5	29	25.4	-0.6	22.5	24	88.4	176.0	- 85.1	47.4	08	10	- 4.2	7.0	4.7	-2.7	2	17	0	0	5	0	0	0	0	0
VARANASI (BABATPUR)	31.7	-0.6	35.0	29	25.7	-0.4	22.9	22	97.3	300.5	+ 60.2	69.4	22	13	+ 0.8	11.6	7.6	-1.6	0	21	0	0	6	0	0	0	0	0
VARANASI	32.1	-0.1	35.3	29	25.8	-0.2	22.6	29	53.1	240.9	- 85.0	52.2	07	15	- 0.3	8.7	6.8	-1.2	0	20	0	0	0	0	0	0	0	0
UTTAR PRADESH WEST																												
MUKTIM	24.2	+0.9	25.7	01	16.6	-0.7	15.2	25	157.4	469.4	+116.2	57.5	19	21	+ 2.8	..	..	..	0	21	0	0	4	0	0	0	0	0
TEHRI	31.8	-0.9	36.9	01	22.7	-0.8	18.7	25	99.9	308.8	+144.2	69.5	19	15	+ 5.5	1.5	0.8	..	1	20	0	0	8	0	0	0	0	0
DEHRA DUN	29.0	-0.5	35.7	14	21.3	-1.4	18.8	24	356.2	1111.7	+398.7	141.0	06	23	+ 1.8	4.3	2.8	+0.3	0	26	0	0	18	0	0	0	0	0
MANSIARI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
ROORKEE	32.1	-0.2	36.2	01	24.0	-1.0	21.2	24	169.9	456.6	+169.3	99.1	06	12	+ 0.2	5.4	4.0	-0.6	0	14	0	0	6	0	0	0	0	0
MAJIRABAD	31.4	-0.7	34.9	29	24.2	-0.6	20.7	25	154.8	611.4	+297.3	207.8	06	12	- 1.6	8.3	6.6	[illegible].1	1	14	0	0	5	0	0	0	0	0
MEERUT	33.0	+0.3	37.0	28	22.4	-3.3	19.0	25	..	274.0	+ 61.4	80.0	07	7	- 2.9	.	5.8	-0.1	0	7	0	0	0	0	0	0	0	0
BAREILLY	32.4	-0.2	36.5	28	25.9	+0.3	21.5	19	228.4	337.1	+ 47.3	123.2	24	13	+ 0.8	8.3	5.5	+0.8	0	15	0	0	0	0	0	0	0	0
ALIGARH	33.4	+0.3	38.1	27	25.6	-0.1	23.5	07	58.4	154.6	- 56.0	52.0	06	6	- 4.3	9.2		-0.2	0	9	0	0	0	0	0	0	0	0
MAINPURI	33.3	+0.2	36.7	30	25.9	0.0	22.5	24	120.6	253.2	+ 21.5	90.7	07	9	- 2.0	..		..	1	12	0	0	0	0	0	0	0	0
AGRA	33.5	+0.7	38.0	29	25.8	0.0	23.0	08	116.6	219.5	+ 1.3	66.0	08	10	- 1.0	7.0		>0.1	0	13	0	0	0	0	0	0	0	0
AGRA AERODROME	33.3	..	39.6	02	25.8	..	23.9	08	77.4	189.2	..	67.8	08	8	..	..	..	..	0	10	0	0	7	0	0	0	0	0
[illegible]KAI	32.4	+0.4	36.8	29	24.4	-0.1	22.4	16	155.9	190.7	-164.7	41.6	07	14	- 1.0	11.8	8.8	0.0	1	20	0	0	0	0	0	0	0	0
[illegible]HANSI	32.6	+0.9	37.5	29	24.6	-0.3	21.0	17	155.4	387.3	+102.1	117.0	12	13	+ 0.1	3.9	4.9	-1.0	0	13	0	0	0	0	0	0	0	0
[illegible]RADABAD	32.1	..	35.5	05	23.5	..	20.4	24	159.1	349.1	..	98.8	19	11	..	4.6	4.5	..	0	11	0	0	2	0	0	0	0	0
UTTAR KASHI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
[illegible]ASCOT	..	..	..	..	..	..	..	..	916.4	1927.9	..	590.0	14	21	..	..	..	..	0	23	0	0	0	0	0	0	0	0
[illegible]DHARCHULA	..	..	..	..	..	..	..	..	101.0	680.5	..	97.3	02	24	..	2.5	1.1	..	0	27	0	0	0	0	0	0	0	0
HARYANA (INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	32.6	-0.2	37.0	29	23.3	-0.2	19.7	06	134.6	426.6	+163.3	116.4	06	11	- 0.6	..	..	..	0	11	0	0	0	0	0	0	0	0
AMBALA	33.0	-0.8	37.0	28	25.0	-0.4	23.2	06	102.7	274.2	+ 61.1	54.2	11	9	- 0.5	8.3	6.3	+0.9	0	12	0	0	0	0	0	0	0	0
AMBALA AERODROME	33.5	..	37.3	01	25.1	..	22.9	25	57.9	220.8	..	57.1	07	8	..	..	..	..	0	10	0	0	8	0	0	0	0	0
KARNAL	33.3	+0.4	37.1	28	25.4	+0.4	22.7	25	102.1	218.9	+ 3.5	99.2	07	6	- 3.5	5.3	4.1	..	0	7	0	0	0	0	0	0	0	0
HISSAR	35.6	+0.1	39.5	31	26.7	+0.6	24.3	19	85.6	210.5	+ 89.3	66.7	18	9	+ 3.2	8.7	7.1	-0.8	0	10	0	0	4	0	0	0	0	0
NEW DELHI/SAFDARJUNG	34.0	+0.3	38.1	28	26.4	+0.3	23.6	24	49.9	138.3	- 31.6	70.7	07	6	- 2.8	9.9	7.4	-1.7	0	10	0	0	2	0	0	0	0	0
PALAM AERODROME	33.4	..	37.7	28	24.6	..	22.2	22	65.0	190.2	..	74.8	06	4	..	..	..	..	1	9	0	0	2	0	0	0	0	0
GURGAON	34.5	..	38.3	31	25.5	..	23.1	07	53.8	175.8	..	71.6	07	6	..	4.6	3.1	..	0	7	0	0	0	0	0	0	0	0
NARNAUL	34.1	..	39.3	02	25.4	..	22.6	12	0.0	211.1	..	55.4	12	5	..	6.1	5.7	..	0	5	0	0	2	0	0	0	0	0
ROHTAK	34.5	..	38.9	31	24.1	..	21.7	22	111.7	245.6	..	91.0	07	7	..	10.4	8.9	..	0	8	0	0	3	0	0	0	0	0
PUNJAB																												
PATHANKOT	32.4	-0.1	37.0	02	24.3	+0.3	21.3	25	57.4	463.9	+ 28.1	151.0	08	10	- 4.6	..	..	..	0	14	0	0	18	0	0	0	0	0
AMRITSAR	35.0	+0.8	38.5	03	25.7	+0.4	19.8	26	68.3	123.3	- 29.8	24.0	18	11	+ 3.3	..	..	..	0	11	0	0	11	0	0	0	0	0
ADAMPUR AERODROME	33.9	..	38.4	02	24.1	..	21.7	12	137.4	259.3	..	95.3	09	8	..	..	..	..	0	12	0	0	10	0	0	0	0	0
LUDHIANA	35.8	+1.1	41.4	31	26.2	+0.1	24.4	25	57.8	74.5	- 88.1	24.8	16	7	- 0.3	5.1	4.5	+1.1	0	8	0	0	2	0	0	0	0	0
FEROZEPUR	35.8	+0.5	39.2	31	25.0	-1.1	22.4	15	36.2	57.4	- 73.4	23.0	16	4	- 1.6	2.8	2.1	-0.1	0	5	0	0	0	0	0	0	0	0
HALWARA AERODROME	36.1	..	40.7	29	25.8	..	24.0	25	3.9	17.4	..	7.7	15	2	..	..	..	..	0	4	0	0	10	0	0	0	0	0
PATIALA	33.9	+0.4	37.6	29	25.6	+0.1	23.9	25	33.5	142.7	- 33.6	51.2	14	6	- 2.1	9.8	7.3	+1.2	0	8	0	0	0	0	0	0	0	0
BHATINDA	36.7	+0.6	40.3	31	26.5	+0.2	24.2	25	60.0	64.4	- 81.9	60.0	14	2	- 2.6	..	..	..	0	2	0	0	0	0	0	0	0	0
HIMACHAL PRADESH																												
MANDI	31.6	+1.0	34.9	02	21.3	-0.1	19.9	26	160.5	650.6	+151.3	120.0	03	19	- 0.6	..	..	..	0	23	0	0	0	0	0	0	0	0
BILASPUR	31.4	-0.2	34.5	01	23.8	+0.3	21.5	22	164.0	402.5	+102.7	118.0	06	15	+ 1.0	4.3	2.7	-1.2	0	16	0	0	1	16	0	0	0	0
JAMMU AND KASHMIR																												
[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GILGIT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SKARDU	..	..	..	..	..	..	..	..	..	0.8	- 92.7	0.3	12	0	- 9.1	..	..	..	1	2	0	0	0	0	0	0	0	0
DRAS	26.7	+2.5	30.7	03	12.9	+3.3	9.9	29	0.0	0.0	- 16.5	0.0	..	0	- 1.9	..	..	..	0	0	0	0	0	0	0	0	0	0
SONAMARG	31.4	+1.5	36.3	11	18.7	+0.8	12.9	28	5.5	11.1	- 51.6	5.6	19	2	- 3.3	4.6	3.5	-0.1	1	3	0	0	2	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — AUGUST ,1969 (SRAVANA 10 - BHADRA 9,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD)																												
LEH	30.5	..	35.0	11	18.3	..	12.6	28	11.0	11.0	..	10.0	13	1	..	..	..	..	0	2	0	0	10	0	0	0	0	0
SRINAGAR	22.7	+2.4	28.0	11	10.1	-0.1	4.3	28	23.7	45.9	- 68.6	15.4	22	6	- 3.8	7.2	5.0	+0.4	1	11	0	0	2	0	0	0	0	0
SRINAGAR AERODROME	28.4	..	31.7	10	17.5	..	11.1	28	21.7	30.3	..	9.8	15	4	..	..	..	..	0	7	0	0	5	0	0	0	0	0
GULMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
QAZIGUND	28.4	..	31.0	01	18.8	..	14.3	27	17.2	87.6	..	39.2	12	4	..	..	..	..	2	8	0	0	4	0	0	0	0	0
BANIHAL	33.6	+0.4	37.0	03	..	..	..	..	..	306.7	+ 7.2	95.5	09	10	- 1.6	..	..	..	2	11	0	0	0	0	0	0	0	0
JAMMU	33.3	..	38.2	01	25.1	..	21.4	25	38.0	373.8	..	83.2	06	12	..	..	..	..	0	15	0	0	15	0	0	0	0	0
JAMMU AERODROME	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GULMARG (RESEARCH INSTITUTE)	22.7	..	27.6	11	11.7	..	7.6	21	16.7	43.9	..	15.4	22	5	..	..	..	..	1	12	0	0	3	0	0	0	0	0
RAJASTHAN,WEST																												
GANGANAGAR	38.2	+0.9	42.0	11	..	..	..	..	28.0	56.2	- 13.3	28.2	17	3	- 1.6	6.5	4.9	-3.1	0	4	0	0	3	0	0	0	0	0
ANUPGARH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
CHURU	36.0	+0.8	40.3	27	24.9	-1.2	21.6	12	20.0	65.1	- 30.8	34.0	14	4	- 1.3	14.5	11.7	+1.2	0	5	0	0	1	0	0	0	0	0
BIKANER	37.3	+1.2	40.7	01	27.7	+1.1	24.9	18	15.7	31.7	- 64.1	15.1	17	3	- 1.8	14.6	14.1	+3.1	1	4	0	0	2	0	0	0	0	0
NAGAUR	35.4	+1.0	39.5	01	25.6	-0.7	23.1	19	42.8	64.4	+ 14.5	16.6	14	6	+ 1.8	13.0	12.0	+0.1	0	6	0	0	0	0	0	0	0	0
PHALODI	36.6	+2.1	40.0	26	24.7	-1.1	21.5	31	39.8	126.0	+ 42.7	82.0	17	4	- 0.9	22.9	20.8	+1.4	0	4	0	0	2	0	1	0	0	0
JAISALMER	37.1	+1.2	40.1	28	24.8	-0.7	22.1	25	3.1	3.1	- 73.4	2.3	08	0	- 3.9	..	..	..	0	2	0	0	0	0	0	0	0	0
JODHPUR	35.6	+2.4	40.4	26	25.9	+0.7	23.9	19	30.8	66.7	- 64.6	18.5	04	5	- 1.1	..	..	..	0	9	0	0	4	0	0	0	0	0
BARMER	35.8	+2.0	39.3	27	25.7	+0.6	23.8	12	0.0	25.0	-123.8	25.0	12	1	- 4.8	12.3	10.9	+0.3	0	1	0	0	0	0	1	0	0	0
ERINPURA (JAWAI DAM)	31.3	0.0	36.6	26	24.6	-0.2	22.8	10	28.4	77.6	- 86.5	28.8	05	6	- 2.1	4.8	4.1	-4.4	0	9	0	0	0	0	0	0	0	0
JALORE	33.8	..	38.9	26	..	..	..	..	20.2	19.8	..	6.2	17	3	..	11.5	12.5	..	0	6	0	0	2	0	5	0	0	0
RAJASTHAN,EAST																												
PILANI	34.9	0.0	39.7	02	25.6	-0.4	22.8	12	16.8	125.1	- 15.8	36.4	14	8	+ 0.2	15.3	11.6	-0.4	1	10	0	0	1	0	0	0	0	0
SIKAR	34.4	+1.3	39.1	02	24.1	-0.6	21.0	15	28.0	69.0	- 62.9	27.0	12	5	- 2.9	0.8	0.7	-7.1	0	9	0	0	0	0	0	0	0	0
ALWAR	33.7	+0.6	38.3	27	26.5	+0.3	22.8	12	25.6	237.8	- 31.3	106.0	06	8	- 4.3	6.0	4.6	+0.9	0	11	0	0	4	0	0	0	0	0
JAIPUR(SANGANER)	32.8	+0.9	37.2	31	24.5	+0.2	22.3	21	57.0	130.3	- 73.4	26.2	06	9	- 1.0	..	..	..	2	14	0	0	8	0	0	0	0	0
DHOLPUR	33.5	+0.9	39.0	29	24.5	-1.2	22.7	14	15.5	285.9	- 47.0	68.4	14	8	- 5.7	7.0	4.3	-1.4	0	11	0	0	5	0	0	0	0	0
AJMER	32.8	+1.9	37.4	27	25.0	+0.7	23.3	18	15.4	65.0	-103.7	33.0	04	5	- 4.1	14.0	13.8	+4.3	1	7	0	0	0	0	0	0	0	0
TONK	33.3	+1.1	38.6	31	25.5	+0.3	23.1	12	65.6	169.5	- 94.7	36.8	09	10	- 3.4	12.0	8.8	-0.1	0	14	0	0	0	0	0	0	0	0
BHILWARA	30.8	..	35.0	01	23.5	..	21.7	21	130.2	239.0	..	53.0	12	10	..	11.9	9.8	..	0	14	0	0	1	0	0	0	0	0
KOTA	31.1	-0.6	36.6	27	25.3	-0.1	23.4	17	167.9	401.8	+144.7	77.6	16	11	+ 0.1	10.0	8.7	+1.8	0	14	0	0	1	0	0	0	0	0
KOTA AERODROME	31.3	..	36.8	31	24.9	..	22.4	12	162.6	414.7	..	99.2	13	13	..	17.0	15.3	..	0	18	0	0	9	0	0	0	0	0
CHAMBAL (RAWAT BHATTA DAM)	30.5	-0.3	35.1	25	23.2	-0.7	21.7	17	168.9	416.4	+147.3	97.0	12	16	+ 4.0	12.2	8.4	+2.2	0	17	0	0	1	0	0	0	0	0
UDAIPUR	28.5	-0.8	33.0	31	22.1	-0.8	20.7	28	113.9	209.5	+ 21.8	50.1	17	9	+ 0.1	5.1	3.7	-1.0	2	12	0	0	4	0	0	0	0	0
JHALAWAR	30.4	-0.2	36.6	31	22.1	-2.0	20.7	17	537.6	787.0	+440.8	350.2	17	13	+ 0.6	10.6	9.2	+1.4	0	16	0	0	5	0	0	0	0	0
BANSWARA	29.2	..	34.6	26	22.6	..	20.3	12	78.8	344.8	..	54.4	17	16	..	..	..	..	0	18	0	0	5	0	0	0	0	0
DUNGARPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BUNDI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SAWAI MADHOPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MADHYA PRADESH,WEST																												
GWALIOR	32.4	+0.5	36.0	30	25.2	-0.2	22.5	31	78.0	114.8	-114.2	30.0	12	9	- 3.7	10.6	7.5	+0.9	0	14	0	0	11	0	0	[illegible]	0	0
SHEOPUR	31.5	+0.2	36.9	31	24.5	-0.2	22.8	21	68.5	239.6	-110.4	60.0	11	13	- 2.9	11.2	9.2	+2.6	0	18	0	0	0	0	0	0	0	0
SHIVPURI	29.6	..	34.3	31	21.7	..	20.3	21	157.2	451.0	..	127.2	02	14	..	11.1	9.8	..	0	18	0	0	4	0	0	0	0	0
[illegible]	31.7	+0.4	36.7	29	24.8	0.0	23.1	17	134.8	294.1	- 25.2	38.0	03	15	+ 1.3	8.1	6.3	+0.4	0	17	0	0	0	0	0	0	0	0
[illegible]	29.4	-0.1	34.0	26	22.9	-0.2	21.6	21	121.0	367.7	- 13.8	65.1	17	15	0.0	14.6	11.6	+1.2	0	19	0	0	4	0	0	0	0	0
[illegible]	28.6	-0.7	34.3	01	22.8	-0.2	21.7	16	292.1	516.1	+265.9	155.0	17	15	+ 4.8	14.2	12.9	+0.1	.	..	..	..	..	..	..	.	..	.
[illegible]	29.0	-1.2	34.7	26	23.1	-0.6	22.0	11	284.8	831.8	+502.3	230.2	16	16	+ 2.3	15.1	12.5	+1.7	0	16	0	0	2	0	0	0	0	0
[illegible]	30.2	+1.8	36.9	29	18.2	-4.0	14.8	03	186.5	601.7	+228.8	124.2	03	14	- 1.5	8.5	11.6	+1.3	0	16	0	0	0	0	0	0	0	0
[illegible]	27.9	-0.4	32.9	25	22.2	-0.4	20.5	12	114.9	368.7	+149.9	54.6	04	15	+ 1.7	12.5	11.9	+2.1	1	22	0	0	5	0	0	0	0	0
[illegible]	28.1	-0.5	33.3	28	21.4	-1.1	20.3	18	235.8	569.9	+292.3	116.6	06	14	0.0	20.3	16.1	+4.8	3	19	0	0	8	0	0	0	1	0
[illegible]	28.1	..	33.8	26	22.2	..	21.3	16	174.2	458.2	..	92.0	09	15	..	19.9	15.3	..	1	17	0	0	1	0	0	0	[illegible]	0
[illegible]	29.7	..	34.8	26	20.3	..	17.1	10	62.4	441.6	..	148.6	01	11	..	9.7	7.4	..	0	18	0	0	1	0	0	0	[illegible]	[illegible]
[illegible]	29.6	+0.4	34.6	28	23.3	-0.2	22.2	02	247.2	584.6	+188.1	105.8	02	16	+ 0.1	8.3	7.4	+2.0	0	19	0	0	0	0	0	[illegible]	[illegible]	[illegible]
INDORE	27.6	-0.6	32.4	26	21.8	-0.2	20.7	18	103.4	296.5	+ 64.6	61.2	02	13	+ 1.3	24.6	21.0	-0.7	0	18	0	0	5	1	0	[illegible]	[illegible]	[illegible]
[illegible]	29.2	-0.1	34.0	28	23.4	+0.3	21.3	19	44.4	181.6	-102.8	45.6	12	15	+ 2.4	13.9	12.0	+0.3	0	19	0	0	0	0	0	0	[illegible]	[illegible]
CHHINDWARA	27.5	-0.2	31.6	28	21.7	-0.2	20.3	26	109.5	421.3	+157.6	108.2	01	16	+ 2.4	..	..	..	0	20	0	0	2	0	0	0	[illegible]	[illegible]
SEONI	28.4	+0.1	32.6	30	22.0	-0.1	20.9	13	87.0	411.2	+ 55.3	113.0	01	15	- 1.3	11.8	8.4	+1.8	2	20	0	0	6	0	0	0	[illegible]	[illegible]
BETUL	27.4	+0.5	32.1	28	21.1	-0.6	19.1	02	156.2	358.2	+ 89.2	98.2	02	17	+ 2.3	9.1	6.7	-1.2	0	25	0	0	7	0	1	0	[illegible]	[illegible]
KHANDWA	31.8	+1.9	35.8	28	22.7	-0.5	21.5	30	145.8	279.1	+112.7	51.7	04	15	+ 4.8	16.5	12.2	0.0	0	21	0	0	3	0	0	0	[illegible]	[illegible]
TIKAMGARH	30.3	..	34.6	27	23.8	..	22.2	02	274.0	425.8	..	77.4	11	12	..	10.1	8.6	..	0	16	0	0	4	0	0	0	[illegible]	[illegible]
SHAJAPUR	28.2	..	35.3	26	22.6	..	21.5	21	213.7	505.2	..	175.0	16	14	..	9.5	8.0	..	1	18	0	0	0	0	0	0	[illegible]	[illegible]

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — AUGUST 1969 (SRAVANA 10 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with										
																			Precipitation										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
MADHYA PRADESH, WEST (CONTD)																												
KANNOD	29.6	..	35.0	30	22.9	..	21.0	11	212.8	434.4	..	118.2	03	17	..	8.5	6.0	..	0	19	0	0	2	0	0	0	0	0
MADHYA PRADESH, EAST																												
SATNA	30.7	+0.2	34.7	29	24.5	0.0	23.3	08	80.0	225.8	-108.5	45.5	12	15	- 0.2	3.4	6.7	+0.1	0	21	0	0	5	0	0	0	0	0
REWA	29.9	..	35.3	28	24.3	..	22.3	24	126.5	376.0	..	92.7	03	14	..	7.9	5.5	..	0	19	0	0	6	0	0	0	0	0
SIDHI	31.2	-0.4	35.0	27	24.8	+0.2	22.6	31	190.5	424.6	+ 72.9	132.0	15	16	+ 0.8	5.5	4.4	-1.7	0	16	0	0	0	0	0	0	0	0
UMARIA	29.5	+0.1	34.5	29	23.3	-0.2	21.8	08	70.8	306.8	- 73.2	83.6	15	12	- 4.6	9.2	7.2	+1.2	0	16	0	0	8	0	0	0	0	0
JABALPUR	29.8	+0.3	35.4	29	23.5	-0.1	22.1	02	97.6	565.6	+ 89.0	216.5	01	14	- 3.1	11.5	9.0	+1.4	0	17	0	0	4	0	0	0	0	0
AMBIKAPUR	28.6	-0.6	33.7	29	22.6	-0.3	21.4	23	143.8	315.4	-149.3	81.8	08	12	- 7.4	11.1	9.0	+0.5	0	21	0	0	4	0	0	0	0	0
JASHPURNAGAR	26.6	..	32.4	29	21.1	..	19.2	23	149.9	397.4	..	67.0	15	23	..	7.6	6.3	..	0	25	0	0	0	0	0	0	0	0
PENDRA	28.0	-0.3	32.4	29	22.2	-0.3	21.4	02	760.0	382.7	+ 16.4	77.4	15	13	- 5.4	10.2	7.5	+0.7	2	23	0	0	12	0	0	0	0	0
MANDLA	28.4	-0.8	33.6	29	22.7	-0.4	21.4	20	166.0	443.2	+ 16.0	111.0	15	18	- 0.6	6.4	4.7	+1.0	0	24	0	0	7	1	0	0	0	0
CHAMPA	30.0	-0.8	34.8	30	23.7	-1.2	22.0	02	68.3	280.0	-220.6	79.0	01	14	- 5.3	11.6	9.2	+1.8	0	20	0	0	4	0	0	0	0	0
RAIGARH	30.1	-0.9	35.0	29	24.3	-0.6	22.2	21	765.6	452.6	- 55.1	79.6	08	15	- 3.9	8.7	6.9	+0.4	0	19	0	0	0	0	0	0	0	0
RAIPUR	30.0	-0.1	35.1	28	23.6	-0.5	22.0	08	93.0	225.1	-163.0	53.7	07	10	- 5.6	12.3	10.0	-0.4	2	18	0	0	6	0	0	0	0	0
KANKER	29.3	+0.2	32.8	30	23.9	+0.4	21.8	10	74.4	235.9	- 93.8	54.5	25	14	- 0.7	11.7	9.9	+1.7	1	19	0	0	1	0	0	0	0	0
JAGDALPUR	29.0	+0.6	32.2	29	21.8	-0.4	20.2	02	68.0	302.4	- 89.0	45.6	01	17	- 1.6	8.9	6.3	-1.5	1	22	0	0	8	0	0	0	3	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																												
DEESA	32.3	+0.1	37.1	25	24.6	+0.1	22.7	21	19.0	29.2	-183.9	6.8	05	5	- 4.2	11.0	9.7	..	0	8	0	0	0	0	0	0	0	0
RADHANPUR	32.9	+0.8	37.4	26	25.2	+1.2	23.2	22	49.7	71.1	- 19.9	46.6	28	4	- 1.4	13.1	11.8	+2.7	0	6	0	0	0	0	0	0	0	0
IDAR	30.6	+0.2	35.7	26	23.8	-0.1	22.4	21	59.4	122.9	- 86.0	22.9	17	12	- 1.4	8.3	5.3	-1.2	0	15	0	0	0	0	0	0	0	0
AHMADABAD	31.7	-0.1	35.8	26	25.1	+0.5	23.6	11	65.9	108.1	- 97.4	30.8	13	10	- 1.2	6.2	5.6	-2.7	4	14	0	0	1	0	0	0	0	0
DOHAD	28.7	-0.3	33.4	26	22.4	-0.6	21.3	12	46.4	149.0	- 56.6	27.4	12	11	- 1.2	19.3	18.3	-4.1	1	17	0	0	4	0	0	0	0	0
VALLABH VIDYANAGAR	31.2	..	35.1	26	24.5	..	21.1	20	87.5	189.4	..	41.5	05	8	..	9.5	7.4	..	1	17	0	0	2	0	0	0	0	0
BARODA AERODROME	31.5	+0.4	39.1	16	24.7	-0.2	22.6	28	121.1	224.6	- 27.4	64.3	05	10	- 1.3	15.8	14.5	+3.8	0	17	0	0	4	0	0	0	1	0
BARODA	30.4	-1.1	35.3	26	24.9	+0.1	23.2	16	107.4	221.1	- 42.8	53.0	05	12	+ 0.3	9.3	7.6	+0.7	0	17	0	0	1	0	0	0	0	0
BROACH	31.1	0.0	36.0	27	25.1	0.0	23.4	18	13.3	69.0	-159.3	18.0	16	6	- 6.2	21.4	18.5	+8.5	0	12	0	0	0	0	0	0	0	0
SURAT	30.9	+0.6	35.8	26	25.0	-0.4	22.6	23	26.0	92.9	-108.3	31.3	16	9	- 3.8	16.2	11.7	+1.0	0	17	0	0	2	0	0	0	0	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																												
NALIYA	30.6	-0.1	33.2	28	25.4	-0.2	23.7	25	0.0	0.0	- 57.7	0.0	..	0	- 4.2	25.6	21.0	+1.8	0	0	0	0	0	0	0	0	0	0
BHUJ (RUDRAMATA)	32.9	+1.2	37.7	27	25.4	+0.1	23.7	14	8.7	10.7	- 73.1	8.2	28	1	- 3.0	24.8	20.6	+3.6	0	4	0	0	1	0	0	0	0	0
KANDLA AERODROME	33.0	..	36.4	30	25.5	..	23.3	23	1.9	8.9	..	5.6	10	1	..	34.1	28.1	..	0	6	0	0	0	0	0	0	0	0
NEW KANDLA	31.5	0.0	33.3	29	25.6	-0.3	23.8	16	4.4	15.2	- 48.3	2.8	16	2	- 3.8	31.5	27.7	+1.3	0	10	0	0	1	0	0	0	0	0
MANDVI	30.3	0.0	32.0	30	25.0	-1.1	22.8	25	..	12.1	- 62.3	5.0	16	3	- 1.8	32.4	32.0	-1.1	0	4	0	0	0	0	0	0	0	0
SURENDRANAGAR	33.0	+0.5	37.2	26	25.7	+0.9	24.4	16	32.4	38.2	-135.2	27.0	28	3	- 3.9	16.5	15.0	-1.8	0	7	0	0	4	0	0	0	0	0
OKHA	29.5	..	30.6	01	25.0	..	23.3	16	2.8	13.2	..	4.3	16	1	..	24.7	23.3	..	4	7	0	0	0	0	0	0	0	0
JAMNAGAR AERODROME	31.3	-0.2	33.5	01	24.8	-0.6	22.7	23	7.3	19.1	- 81.0	5.2	14	4	- 1.4	..	..	..	1	8	0	0	2	0	0	0	0	0
DWARKA	29.4	+0.1	30.7	01	26.0	0.0	22.1	07	0.0	1.1	- 67.2	1.0	15	0	- 4.0	22.1	22.1	+0.2	1	1	0	0	0	0	0	0	0	0
RAJKOT	31.6	0.0	34.8	26	24.1	+0.1	21.6	23	12.4	32.2	-158.3	27.6	29	7	- 2.2	30.7	24.9	+1.7	3	11	0	0	3	0	0	0	0	0
BHAVNAGAR AERODROME	32.2	-0.1	35.7	01	25.3	+0.5	23.0	21	19.4	62.4	- 98.1	31.5	15	6	- 4.1	23.2	18.7	+6.2	0	11	0	0	3	0	0	0	0	0
PORBANDER AERODROME	29.7	+0.4	32.5	29	25.4	-0.2	23.1	24	12.6	24.0	-125.3	4.1	30	3	- 5.5	20.3	17.0	..	3	14	0	0	2	0	0	0	0	0
KESHOD	30.1	+0.1	34.0	27	24.3	-0.3	22.3	24	13.4	38.4	- 80.4	4.5	27	6	- 4.0	26.2	20.9	-0.4	1	19	0	0	1	0	0	0	0	0
MAHUVA	30.6	..	33.8	26	..	..	..	..	146.3	174.1	+ 1.5	93.4	17	8	- 1.8	12.8	11.7	..	0	16	0	0	0	0	0	0	0	0
VERAVAL	29.7	+0.9	32.9	26	24.7	-0.8	22.9	23	46.7	75.3	- 21.2	29.0	26	7	+ 0.7	28.7	28.2	+4.1	2	18	0	0	2	0	0	0	0	0
DIU	29.2	..	31.6	25	25.2	..	23.2	15	15.7	39.4	..	11.5	15	7	..	16.3	14.8	..	2	16	0	0	1	2	0	0	0	0
KONKAN (INCLUDING GOA)																												
DAHANU	29.1	0.0	30.5	21	..	..	..	..	67.1	304.2	-192.8	38.1	17	24	+ 4.7	23.8	21.7	-2.6	1	28	0	0	3	0	0	0	0	0
BOMBAY (SANTACRUZ)	30.3	+1.2	33.5	26	24.7	+0.3	23.3	14	41.3	212.0	-407.0	47.8	01	20	- 2.6	18.7	15.7	-0.4	0	26	0	0	4	0	0	0	1	0
BOMBAY	30.0	+0.5	31.6	26	24.9	+0.1	23.1	24	21.3	219.4	-109.5	35.0	27	18	- 0.2	14.2	13.5	+0.1	1	26	0	0	5	0	0	0	11	0
ALIBAG	29.3	+0.5	31.3	25	24.8	-0.1	23.2	27	..	307.6	- 43.4	89.1	01	22	+ 2.2	.	23.4	-0.9	2	28	0	0	0	0	0	0	0	0
RATNAGIRI	28.5	..	32.0	28	21.4	..	20.3	18	417.3	1270.5	..	233.0	01	27	..	3.5	2.7	..	0	28	0	0	4	0	0	0	0	0
HARNAI	28.6	+0.9	30.2	26	26.3	+1.9	24.4	14	219.3	403.1	-145.0	114.2	30	20	- 2.4	20.7	19.1	-1.4	1	27	0	0	0	0	0	0	0	0
RATNAGIRI	29.3	+1.0	31.1	26	24.3	+0.2	22.9	15	123.4	422.6	- 60.5	66.6	26	19	- 4.1	20.3	19.3	..	1	25	0	0	0	0	0	0	0	0
DEVGARH	29.0	+0.8	30.5	19	24.6	+0.3	23.2	31	60.4	203.2	-237.9	50.0	09	16	- 6.5	23.8	22.5	-3.4	0	21	0	0	0	0	0	0	0	0
VENGURLA	29.4	+0.7	30.6	20	24.2	+0.3	22.6	31	84.6	401.2	-157.7	87.8	31	19	- 5.6	11.6	8.4	..	1	24	0	0	6	0	0	0	0	0
PANJIM	29.4	..	31.3	26	24.1	..	22.8	09	72.5	320.4	..	67.6	31	20	..	19.8	18.1	..	2	23	0	0	2	2	0	0	0	0
MORMUGAO	28.8	+1.0	30.5	20	24.2	+0.3	22.4	01	..	283.7	-117.7	98.1	31	19	- 3.6	.	18.2	-0.6	0	26	0	0	3	0	0	0	0	0
DABOLIM (NAVAL AIR STN.)	29.3	..	31.0	20	..	..	..	..	53.3	362.4	..	131.3	31	19	..	12.5	11.1	..	1	24	0	0	3	0	0	0	0	0
MADHYA MAHARASHTRA																												
NANDURBAR	29.9	+0.2	34.2	26	23.1	-0.6	21.7	18	65.2	136.1	- 18.2	36.2	03	11	- 1.3	18.7	15.1	+4.7	1	23	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – AUGUST 1969 (SRAVANA 18 – BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD.)																												
JALGAON	30.8	-0.4	34.3	28	23.4	0.0	21.2	26	109.6	188.4	+ 18.0	22.4	03	17	+ 5.5	16.7	11.7	-0.6	0	20	0	0	0	0	0	0	0	0
MALEGAON	29.7	-1.0	33.6	24	20.6	-1.7	18.6	18	61.9	145.8	+ 72.1	35.1	04	8	+ 2.9	13.6	10.0	-1.6	0	8	0	0	0	0	0	0	0	0
OZAR	27.6	..	32.3	26	20.8	..	18.4	18	105.4	193.7	..	25.5	11	18	..	22.2	17.2	..	0	25	0	0	7	0	0	0	0	0
AHMADNAGAR	30.8	+1.4	34.2	19	21.5	+0.6	18.6	18	3.0	70.3	- 3.4	22.0	31	6	+ 1.4	14.5	10.1	-0.3	0	8	0	0	1	0	0	0	0	0
KHANDALA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
POONA AERODROME	28.0	..	31.1	28	19.9	..	18.4	18	31.8	250.8	..	59.7	26	13	..	..	..	..	1	17	0	0	7	0	0	0	0	0
POONA	27.8	+0.3	30.6	24	21.4	+0.1	19.0	25	53.8	232.7	+136.2	64.3	01	11	+ 2.8	10.8	7.8	..	1	19	0	0	6	0	0	0	0	0
JEUR	31.0	+0.3	35.2	19	21.3	+0.3	18.5	12	27.0	150.8	+ 62.4	92.6	23	5	- 1.7	18.1	13.9	-1.7	0	6	0	0	0	0	0	0	0	0
BARAMATI	31.2	+1.8	38.6	30	21.7	+0.2	19.7	18	0.0	175.4	+ 88.8	86.8	31	6	0.0	17.1	12.2	-4.4	0	7	0	0	0	0	0	0	0	0
SHOLAPUR	32.1	+0.8	36.2	19	22.1	+0.2	20.9	12	8.7	72.6	- 31.3	13.4	01	8	+ 1.1	13.6	10.3	-1.3	0	13	0	0	10	0	0	0	0	0
MIRAJ	29.0	+1.0	33.4	21	21.2	+0.1	19.9	18	52.4	165.8	+ 55.1	34.6	26	12	+ 3.3	..	..	..	0	15	0	0	0	0	0	0	0	0
KOLHAPUR	27.5	+1.4	30.8	23	20.9	+0.1	19.8	18	108.4	382.2	+160.7	83.0	01	16	- 2.5	16.1	12.9	-3.6	0	23	0	0	2	0	0	0	0	0
NASIK	28.2	..	31.6	28	..	..	..	..	..	221.8	..	27.2	24	20	..	..	..	..	0	23	0	0	0	0	0	0	0	0
SANGLI	28.5	..	32.7	19	21.2	..	19.1	16	34.8	166.9	..	32.4	01	11	..	18.5	13.9	..	0	15	0	0	0	0	0	0	0	0
SATARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MARATHWADA																												
AURANGABAD	29.6	+0.4	33.0	28	21.6	+0.4	20.2	17	318.0	188.6	+ 65.9	52.2	01	10	+ 1.1	11.9	11.8	-5.4	0	18	0	0	0	0	0	0	0	0
AURANGABAD(CHIKALTHAN)	29.6	+0.5	32.8	28	21.0	-0.9	19.3	02	322.7	149.8	+ 21.7	57.0	26	11	+ 0.2	13.7	14.1	-2.9	2	15	0	0	6	0	0	0	0	0
PARBHANI	31.5	+1.1	35.0	20	22.4	+0.2	20.1	22	297.4	167.4	+ 23.4	40.2	28	15	+ 6.1	11.0	9.9	-2.4	0	17	0	0	5	0	0	0	0	0
NANDER	32.1	..	36.0	20	22.9	..	20.8	11	289.5	119.8	..	24.3	26	12	..	10.3	8.0	..	1	13	0	0	0	0	0	0	0	0
BIR	31.7	..	34.8	19	22.4	..	20.7	18	287.7	143.1	..	28.2	24	13	..	10.3	8.3	..	0	14	0	0	0	0	0	0	0	0
VIDARBHA																												
GONDIA	29.8	-0.1	35.1	30	23.3	-0.8	21.6	20	82.9	401.1	- 23.7	88.6	01	17	+ 0.1	6.5	5.5	+0.2	0	20	0	0	5	0	0	0	0	0
NAGPUR(SONEGAON)	30.5	+0.1	35.0	28	23.3	-0.4	22.1	22	60.5	137.4	-148.9	22.8	07	14	+ 0.4	14.6	10.2	-1.3	1	19	0	0	11	0	0	0	4	0
AMRAOTI	30.6	+0.8	34.8	20	23.2	+0.2	21.5	04	41.0	75.2	- 98.0	16.8	22	10	+ 0.1	17.1	13.7	-0.4	1	17	0	0	0	0	0	0	0	0
AKOLA AERODROME	31.4	..	34.6	23	22.2	..	20.3	01	72.7	106.0	..	23.6	03	12	..	13.8	10.4	..	1	17	0	0	5	0	0	0	0	0
AKOLA	31.3	+0.6	35.7	28	21.4	-2.1	19.6	11	51.8	95.9	- 63.9	23.2	03	9	- 0.3	13.6	9.6	-2.3	0	13	0	0	0	0	0	0	0	0
BRAMHAPURI	30.5	+0.6	34.4	30	23.1	-0.7	21.8	06	62.5	246.0	-209.6	33.0	01	21	+ 2.0	9.8	7.9	+0.3	0	25	0	0	0	0	0	0	0	0
BULDANA	28.2	+1.2	31.1	26	21.5	+0.4	20.4	13	90.8	146.5	- 44.5	40.0	03	10	- 2.2	11.0	9.2	-2.3	0	14	0	0	2	0	0	0	0	0
YEOTMAL	30.2	+1.1	34.0	28	21.9	-0.4	20.2	23	120.1	186.5	- 80.5	69.1	22	15	+ 2.0	16.8	14.5	0.0	0	19	0	0	2	0	0	0	0	0
CHANDRAPUR	31.4	+0.9	33.6	17	24.0	-0.1	21.7	22	103.3	206.9	-101.2	27.0	22	16	+ 1.5	12.4	8.5	+0.2	1	24	0	0	14	0	0	0	0	0
PUSAD	32.8	..	37.4	18	24.9	..	20.6	28	52.6	108.6	..	32.4	20	8	..	13.0	9.8	..	0	10	0	0	0	0	0	0	0	0
SIRONCHA	32.1	+1.4	34.4	28	24.3	-0.2	22.4	08	67.2	321.1	-113.8	63.8	21	19	+ 2.7	7.0	5.0	-0.6	0	22	0	0	0	0	0	0	0	0
WARDHA	31.0	..	37.6	30	22.8	..	21.4	15	46.5	101.9	..	15.0	03	13	..	12.3	9.3	..	0	15	0	0	1	0	0	0	0	0
BHANDARA	30.1	..	34.5	29	23.6	..	22.6	03	89.0	195.5	..	49.8	01	18	..	9.7	7.7	..	1	22	0	0	0	0	0	0	0	0
COASTAL ANDHRA PRADESH																												
KALINGAPATAM	31.7	-0.2	34.2	15	24.3	-1.7	22.4	15	2.2	11.8	-160.4	8.2	07	1	- 8.1	15.5	12.5	+0.7	0	5	0	0	2	0	0	0	0	0
VISHAKHAPATNAM	33.3	+1.3	36.0	28	26.0	0.0	24.1	11	33.7	74.8	- 46.4	13.4	30	10	+ 2.5	21.0	14.8	+1.3	2	12	0	0	3	0	0	0	0	0
KAKINADA	32.5	+0.7	34.6	28	25.8	+0.2	24.1	15	7.2	65.5	- 79.5	13.4	12	10	+ 0.3	11.1	8.7	-2.3	0	16	0	0	0	0	0	0	0	0
NIDADAVOLE	31.9	+1.2	34.1	28	25.4	+0.5	23.5	29	31.2	92.2	-116.1	17.2	15	10	- 1.3	12.4	8.3	-3.2	0	12	0	0	0	0	0	0	0	0
RENTACHINTALA	34.2	+0.3	37.0	13	26.3	+0.7	24.3	21	20.0	75.0	- 41.1	55.0	31	2	- 5.7	8.5	9.5	-2.3	0	2	0	0	1	0	0	0	0	0
GANNAVARAM	32.8	+0.7	34.4	08	25.5	+0.4	23.5	21	8.1	82.8	-121.5	34.0	22	7	- 4.9	16.9	11.4	-3.9	0	13	0	0	10	0	0	0	0	0
MASULIPATAM	32.1	-0.1	34.3	06	24.5	-1.3	22.0	21	5.5	93.9	- 58.5	40.3	21	6	- 3.9	3.3	2.3	-8.7	0	11	0	0	2	0	0	0	0	0
ONGOLE	34.0	-0.1	37.2	12	26.5	+0.2	23.9	21	25.0	67.2	- 31.8	33.0	21	4	- 2.3	13.1	9.2	-1.1	0	5	0	0	1	0	0	0	0	0
NELLORE	35.3	+0.1	38.1	12	..	..	..	..	25.2	81.0	+ 5.1	51.8	25	3	- 2.2	..	..	..	0	5	0	0	0	0	0	0	0	0
VISHAKHAPATNAM(SOLAR)	31.3	..	33.5	06	24.7	..	22.8	11	..	40.6	..	6.9	31	8	..	.	9.4	..	0	11	0	0	2	0	0	0	0	0
TELANGANA																												
RAMGUNDAM	32.6	+1.3	35.0	31	23.1	-1.3	20.8	01	83.2	273.7	+ 43.0	43.0	22	16	+ 1.8	8.6	6.4	+0.1	0	18	0	0	3	0	0	0	0	0
NIZAMABAD	32.0	+1.9	34.9	20	23.5	+0.5	22.0	22	80.1	157.2	- 80.5	39.5	22	12	- 1.3	10.9	8.8	+1.7	1	22	0	0	1	0	0	0	0	0
HANAMKONDA	31.8	+0.9	33.2	05	22.8	-1.4	20.3	27	4.4	167.0	- 7.5	67.0	21	6	- 4.8	6.2	6.2	-4.5	0	12	0	0	3	0	0	0	0	0
HAKIMPET AERODROME	29.8	..	32.4	19	21.6	..	20.4	22	84.4	145.9	..	49.1	22	10	..	..	..	..	2	16	0	0	9	1	0	0	1	0
BHADRACHALLAM	32.1	+0.8	34.4	28	24.9	+0.3	22.6	21	58.9	175.1	-106.6	51.0	21	13	- 1.4	5.5	4.1	-3.1	0	16	0	0	1	0	0	0	0	0
HYDERABAD(BEGAMPET)	30.9	+1.4	34.6	20	22.4	+0.3	21.1	22	51.5	76.6	- 58.5	29.9	23	5	- 4.5	21.6	18.5	+0.2	1	13	0	0	5	0	0	0	3	0
KHAMMAM	32.7	+0.5	35.8	21	24.6	-0.1	23.0	15	34.0	190.5	+ 0.1	62.0	23	10	- 1.2	6.3	5.3	-2.8	0	14	0	0	0	0	0	0	0	0
MAHBUBNAGAR	29.2	-0.3	33.2	19	22.7	+0.5	20.9	22	83.4	152.6	- 56.6	44.4	30	11	- 3.8	9.9	8.5	-4.7	1	18	0	0	3	0	0	0	0	0
RAYALASEEMA																												
KURNOOL	32.4	+0.3	36.0	19	23.2	-0.3	20.9	22	49.6	239.2	+156.1	111.2	21	8	- 0.1	17.5	14.5	-3.9	0	14	0	0	0	0	0	0	0	0
NANDYL	33.0	..	36.1	13	25.6	..	22.2	22	16.4	190.3	..	71.8	29	6	..	12.7	8.2	..	0	11	0	0	0	0	0	0	0	0
ANANTAPUR	32.8	+0.4	35.5	13	23.7	+0.2	21.4	21	52.5	186.9	+102.3	68.0	27	7	+ 2.1	15.6	14.1	-3.9	3	12	0	0	7	0	0	0	0	0
CUDDAPAH	34.3	+0.3	37.6	13	25.4	0.0	22.0	22	13.4	85.2	- 36.2	22.4	25	9	+ 1.8	..	..	..	0	9	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — AUGUST 1969 SRAVANA 18 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
AYALSEEMA (CONTD)																												
ARUGYAVARAM	31.2	+1.2	34.2	12	20.6	-1.1	18.0	23	6.6	181.2	+100.5	45.0	31	7	+ 0.9	12.9	10.6	-2.8	0	9	0	0	0	0	0	0	0	0
AMIL NADU (INCLUDING PONDICHERRY)																												
MADRAS	34.2	+0.3	37.1	03	25.0	-0.4	22.6	13	0.3	62.5	- 84.9	24.3	25	6	- 4.4	12.4	9.1	+1.6	0	10	0	0	2	0	0	0	0	0
MADRAS (MINAMBAKKAM)	34.7	+0.2	37.2	03	25.9	+0.1	23.1	25	3.0	96.0	- 17.0	46.2	25	5	- 2.8	15.5	12.0	-1.6	2	8	0	0	4	0	0	0	1	0
VELLORE	34.5	+0.4	38.5	13	24.1	-0.9	21.5	28	68.2	236.2	+ 97.8	44.0	27	11	+ 3.4	10.0	9.9	+1.4	0	14	0	0	11	0	0	0	0	0
TAMBARAM AERODROME	36.0	..	39.5	11	25.9	..	23.0	25	23.9	108.7	..	41.6	25	6	..	..	..	..	0	11	0	0	6	0	0	0	0	0
TIRUPPATTUR	35.8	+2.4	38.3	02	23.5	+0.6	21.1	16	38.3	262.1	+146.2	45.7	30	10	+ 5.0	7.2	5.7	-2.1	0	10	0	0	0	0	0	0	0	0
METTUR DAM R.S.	34.5	..	37.4	12	24.1	..	21.1	23	21.8	201.8	..	52.6	24	8	..	5.8	6.7	..	0	8	0	0	0	0	0	0	0	0
CUDDALORE	34.4	-0.1	39.0	03	25.3	-0.1	21.7	29	13.1	89.2	- 24.9	43.8	29	7	0.0	11.9	9.4	-0.4	0	10	0	0	4	0	0	0	0	0
KALLAKKURICHCHI	35.1	+0.2	39.8	13	..	..	..	..	0.0	180.6	+ 62.8	47.0	13	9	+ 2.5	12.4	8.3	..	0	9	0	0	0	0	0	0	0	0
SALEM	34.0	+0.8	37.3	13	24.0	+0.6	21.3	23	8.2	124.0	- 32.7	49.3	23	7	- 2.5	..	..	..	0	10	0	0	8	0	0	0	0	0
COIMBATORE (PILAMEDU)	31.4	+0.3	33.0	16	22.0	+0.2	20.5	28	18.4	57.5	+ 35.4	20.8	18	4	+ 1.7	26.7	24.3	-6.5	1	8	0	0	8	3	0	0	0	0
COIMBATORE	31.6	+1.7	35.7	06	22.3	+0.2	20.5	28	..	91.8	+ 58.8	57.4	25	6	+ 2.8	.	12.4	-2.5	0	6	0	0	4	0	0	0	0	0
NAGAPATTINAM	33.8	-0.6	38.1	08	26.1	+0.1	23.3	22	1.5	20.3	- 49.0	8.8	22	3	- 1.6	13.8	11.2	+0.9	0	7	0	0	7	0	0	0	0	0
TIRUCHCHIRAPPALLI	35.4	+0.3	38.8	08	25.4	0.0	22.3	14	15.1	64.8	- 32.7	27.2	14	6	+ 1.2	15.5	12.9	-2.9	1	8	0	0	7	0	0	0	1	0
VEDARANNIYAM	33.2	..	36.4	13	25.0	..	20.6	22	6.4	170.6	..	61.4	25	5	..	10.8	8.3	..	0	6	0	0	0	0	0	0	0	0
ATIKAMPATTINAM	32.8	..	37.4	15	25.1	..	23.0	22	48.8	179.0	..	54.0	25	10	..	16.8	11.9	..	0	13	0	0	2	0	0	0	0	0
MADURAI	35.9	+0.6	39.3	12	..	..	..	..	..	162.2	+ 50.7	44.0	25	7	+ 0.7	..	7.0	0.0	0	7	0	0	2	0	0	0	0	0
MADURAI AERODROME	35.1	-0.5	39.1	11	24.9	-0.4	22.5	25	26.9	104.8	+ 25.5	23.1	15	6	+ 2.8	14.1	12.1	-1.2	0	12	0	0	12	0	0	0	0	0
TONDI	32.3	-0.4	37.5	01	24.2	-1.7	21.7	25	2.2	43.2	+ 10.0	21.2	18	2	- 0.4	20.2	15.5	-0.3	0	3	0	0	1	0	0	0	0	0
PAMBAN	31.7	+0.2	34.1	13	25.4	-1.0	23.7	22	2.7	14.0	+ 0.8	7.6	22	2	+ 1.1	14.8	14.3	-1.3	0	5	0	0	0	0	0	0	0	0
TUTICORIN	34.1	-0.4	37.4	08	24.3	-2.0	20.7	24	0.0	22.3	+ 17.3	14.2	24	3	+ 2.2	17.7	13.6	-5.6	0	4	0	0	0	0	0	0	0	0
PALAYANKOTTAI	34.9	+0.1	38.1	12	25.9	-0.5	23.6	25	66.8	117.4	+100.9	45.2	18	4	+ 2.9	14.1	11.5	-6.1	0	4	0	0	3	0	0	0	0	0
KANNIYAKUMARI	30.5	..	34.7	15	24.2	..	22.6	01	14.7	52.6	..	17.4	20	6	..	18.5	15.4	..	0	10	0	0	0	0	0	0	0	0
PONDICHERRY	32.8	..	37.3	03	25.0	..	22.1	29	11.2	82.4	..	24.8	29	6	..	19.2	15.0	..	0	10	0	0	5	0	0	0	0	0
PORTNOVO	34.3	..	38.5	03	23.1	..	20.2	29	..	72.1	..	20.4	22	6	..	.	11.0	..	0	12	0	0	0	0	0	0	0	0
TUTICORIN H.P	33.1	..	37.2	07	25.9	..	23.1	24	0.6	14.9	..	10.8	24	2	..	23.0	18.6	..	0	3	0	0	6	0	0	0	0	0
ASTAL MYSORE																												
KARWAR	29.3	+1.4	30.2	16	24.2	+0.1	22.8	18	89.7	295.5	-240.9	44.0	22	17	- 7.2	9.0	7.9	..	0	22	0	0	0	0	0	0	0	0
HONAVAR	29.1	+0.8	31.0	30	23.7	+0.2	22.6	11	138.3	358.7	-343.9	75.0	02	16	- 9.7	..	..	..	2	24	0	0	1	0	0	0	0	0
MANGALORE (RAJPE)	29.3	+1.3	30.9	21	23.1	+0.3	22.5	06	109.2	467.2	-344.3	59.6	24	24	- 1.7	10.9	7.4	-1.1	0	27	0	0	8	1	0	0	0	0
MANGALORE	29.4	+0.9	30.4	21	21.8	-1.8	20.8	24	49.9	343.0	-264.1	60.9	03	20	- 5.1	11.3	8.9	+1.0	0	23	0	0	0	0	0	0	0	0
MANGALORE H.P	29.3	..	30.5	29	23.8	..	22.8	01	57.3	332.8	..	64.3	24	18	..	12.1	8.9	..	0	25	0	0	5	0	0	0	7	0
TERIOR MYSORE NORTH																												
BIDAR	29.7	+1.0	33.0	19	21.2	+0.2	19.8	22	79.6	108.2	- 58.4	53.9	21	8	- 2.1	23.1	18.6	+0.1	0	13	0	0	6	0	0	0	0	0
GULBARGA	31.8	+0.6	36.4	20	22.5	+0.3	21.4	11	54.5	136.9	+ 5.3	52.0	24	10	+ 2.3	16.5	13.2	-4.3	0	16	0	0	2	0	0	0	0	0
BIJAPUR	31.4	+1.3	36.5	19	21.7	+0.4	20.3	17	18.8	209.0	+143.2	93.2	31	9	+ 4.8	16.1	13.5	0.0	1	13	0	0	1	0	0	0	0	0
RAICHUR	32.6	+0.7	39.3	01	22.5	-0.3	21.1	29	24.6	194.2	+ 76.3	87.0	21	11	+ 3.0	16.6	15.0	-3.2	1	13	0	0	5	0	0	0	0	0
BELGAUM	26.6	+1.0	31.7	19	20.3	+0.9	18.7	18	251.6	613.4	+373.1	119.0	31	18	- 0.1	6.3	4.6	-8.9	1	23	0	0	0	0	0	0	0	0
BELGAUM (SAMRA)	26.4	+1.2	30.6	19	20.3	+0.5	18.8	18	142.0	337.1	+164.8	42.2	02	17	+ 2.3	18.1	14.2	-9.0	2	23	0	0	8	0	0	0	0	0
GADAG	29.5	+0.6	39.0	24	21.0	+0.1	19.9	23	66.1	162.5	+ 70.3	33.7	24	10	+ 2.7	14.8	14.0	-3.5	2	16	0	0	4	0	0	0	0	0
HUBLI A.F	30.7	..	34.0	19	20.1	..	18.5	22	89.0	132.8	..	64.2	21	7	..	..	..	..	0	13	0	0	11	0	0	0	0	0
TERIOR MYSORE, SOUTH																												
BELLARY	31.7	+0.3	36.4	19	23.8	+0.3	22.0	29	46.7	95.7	+ 26.4	35.0	23	6	+ 2.0	12.0	10.6	-3.0	0	10	0	0	4	0	0	0	0	0
CHITRADURGA	28.5	+0.4	32.5	19	21.0	+0.5	19.8	16	48.5	156.8	+ 67.4	53.0	24	11	+ 3.5	10.6	10.0	-3.1	0	20	0	0	5	0	0	0	0	0
SHIMOGA	28.4	+1.3	31.2	21	20.9	-0.1	20.0	12	82.4	208.0	+ 80.3	41.4	25	12	- 2.1	6.7	3.9	-2.4	0	14	0	0	1	0	0	0	0	0
AGUMBE	24.7	..	30.0	19	20.3	..	18.2	16	605.4	1362.2	..	241.0	02	25	..	7.6	5.3	..	0	28	0	0	2	14	0	0	0	0
BALEHONNUR	25.1	+1.9	28.9	29	17.6	-1.0	16.1	11	..	578.4	- 14.7	102.0	01	23	- 1.3	..	..	..	0	25	0	0	0	0	5	0	0	0
HASSAN	..	..	..	..	..	..	..	..	10.0	152.5	+ 53.2	56.4	18	10	+ 0.4	13.3	9.7	-3.9	0	10	0	0	1	0	0	0	0	0
BANGALORE	28.2	+0.9	32.0	13	19.5	+0.3	18.0	28	8.9	187.5	+ 50.8	34.1	28	10	+ 0.5	10.9	9.5	-5.7	0	13	0	0	5	0	0	0	0	0
BANGALORE AERODROME	28.5	+0.6	31.3	13	18.8	-0.6	17.6	11	24.7	144.5	+ 45.4	37.8	14	10	+ 2.1	20.2	17.7	..	2	13	0	0	5	0	0	0	0	0
MYSORE	27.0	-0.9	30.0	17	20.3	+0.7	18.6	11	12.8	51.2	- 35.9	10.0	30	7	+ 6.7	18.0	11.5	-1.0	0	12	0	0	0	0	0	0	0	0
YALANKA A.F	28.5	..	31.3	18	19.4	..	17.6	28	12.9	175.0	..	93.6	28	6	..	..	..	..	1	10	0	0	6	0	0	0	0	0
RALA																												
CALICUT	29.6	+0.9	30.9	29	24.0	+0.4	22.6	06	42.0	351.0	- 88.7	99.7	21	17	- 2.7	8.7	6.6	-2.3	1	20	0	0	2	0	0	0	0	0
PALGHAT	29.9	+1.1	32.0	21	23.3	+0.2	22.0	22	0.0	115.6	-171.5	28.0	25	11	- 6.9	13.1	7.6	-6.0	0	15	0	0	0	0	0	0	0	0
FORT COCHIN	28.9	+0.8	30.1	06	22.9	-1.1	21.4	10	22.4	182.3	-197.4	19.6	08	17	- 2.3	8.7	7.2	-2.7	0	22	0	0	2	0	0	0	0	0
COCHIN (NAVAL AIR STATION)	29.6	..	30.9	28	23.8	..	22.8	06	38.1	202.3	..	20.8	25	20	..	12.5	8.9	..	0	22	0	0	5	1	0	0	3	0
ALLEPPEY	29.5	+0.7	31.1	28	23.9	+0.4	22.4	01	105.4	216.6	-161.2	65.6	26	20	+ 0.4	12.7	9.2	-1.9	0	21	0	0	1	0	0	0	0	0
PUNALUR	31.2	+1.4	34.2	15	21.4	-1.3	19.9	28	97.2	196.2	-101.4	39.0	21	16	- 3.1	3.0	2.2	-2.6	0	19	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — AUGUST 1969 (SRAVANA 10 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
KERALA (CONTD)																												
TRIVANDRUM	29.9	+0.5	32.4	16	23.4	+0.1	22.4	03	67.5	145.6	+ 0.1	32.2	21	11	+ 0.2	13.7	9.2	+2.0	2	14	0	0	4	0	0	0	0	0
TRIVANDRUM AERODRUME	30.0	+0.8	32.7	16	23.8	+0.3	22.9	08	..	112.4	- 36.9	36.1	25	10	- 0.7	.	13.1	+3.1	1	12	0	0	4	0	0	0	0	0
ARABIAN SEA ISLANDS																												
AMINI	29.7	+0.3	31.7	18	25.4	-0.1	22.9	31	159.6	287.7	+ 70.5	76.9	21	9	- 3.3	27.0	28.0	+5.1	3	19	0	0	1	0	0	0	0	0
AGATTI	28.3	..	29.6	08	25.2	..	22.8	19	274.8	298.3	..	111.1	21	8	..	..	..	..	0	13	0	0	1	0	0	0	0	0
ANDROTH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MINICOY	30.0	+0.6	31.0	04	24.2	-0.9	22.1	17	50.6	163.5	- 45.8	62.3	19	9	- 3.4	15.2	13.6	-1.3	2	17	0	0	0	0	0	0	0	0
HILL STATIONS (EXCLUDING KASHMIR)																												
DALHOUSIE	23.3	+0.6	27.8	17	16.2	-0.3	14.0	17	..	..	..	..	..	..	..	..	..	..	0	22	0	0	0	0	0	0	0	0
DHARMASALA	26.6	+0.3	29.1	01	20.3	-0.2	17.8	25	474.9	1415.3	+379.1	191.0	03	22	- 1.7	4.7	3.0	-0.6	1	27	0	0	11	0	0	0	0	0
BHUNTAR	30.1	..	32.7	01	20.2	..	17.0	26	37.4	225.4	..	106.0	03	9	..	15.1	8.9	..	1	14	0	0	8	0	0	0	0	0
SIMLA	20.5	+0.4	23.4	02	14.3	-0.9	12.8	21	143.9	364.9	- 54.2	91.2	19	14	- 6.0	2.6	2.5	+0.1	0	20	0	0	0	0	0	0	0	0
DHARMPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GHANGARIA (KANJALIA TOK)	19.3	+0.1	22.0	14	10.8	+5.8	8.2	24	..	204.0	-236.8	35.4	03	19	- 5.5	..	..	..	0	24	0	0	0	0	0	0	0	0
BADRINATH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JOSHIMATH	23.8	-0.4	27.4	01	17.3	0.0	15.6	21	55.5	217.1	- 65.8	36.0	21	17	- 2.8	4.7	2.1	-1.6	0	21	0	0	0	0	0	0	0	0
MUSSOORIE	20.0	-0.2	24.1	28	15.6	0.0	12.7	24	260.2	972.2	+154.0	211.6	05	24	+ 0.1	2.5	2.0	-2.7	0	25	0	0	0	16	0	0	0	0
MUKTESWAR (KUMAUN)	20.1	0.0	24.5	30	13.6	-0.9	11.6	24	174.8	340.4	+ 34.1	44.0	24	19	+ 1.2	8.9	10.6	+0.5	0	24	0	0	4	17	0	0	0	0
NAINITAL	20.8	-0.3	23.6	12	16.2	-0.2	9.6	24	343.0	825.0	+264.3	121.0	24	19	- 3.9	9.4	7.0	0.0	0	23	0	0	0	0	0	0	0	0
KALIMPONG	27.3	+3.0	28.6	01	17.4	-1.9	16.4	11	146.6	577.6	+ 73.2	132.5	18	21	- 0.5	6.3	4.9	-2.6	0	24	0	0	0	0	0	0	0	0
DARJEELING	19.9	+0.1	23.4	09	14.1	-1.3	12.8	21	142.1	548.4	- 95.0	72.0	07	24	+ 0.2	2.8	2.2	+0.1	0	26	0	0	0	17	0	0	0	0
KOHIMA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SHILLONG (C.S.O.)	23.8	-0.9	26.4	14	17.3	-1.2	12.3	24	155.8	209.9	-132.8	69.0	19	13	- 6.0	5.4	4.6	+1.4	0	27	0	0	3	2	0	0	0	0
CHERRAPUNJI	22.7	+0.2	26.1	14	17.3	-1.1	16.0	15	..	2161.0	+360.7	375.2	16	28	+ 1.9	..	..	..	0	30	0	0	0	0	0	0	0	0
ABU	22.9	+0.4	29.4	27	16.7	-1.6	14.6	22	85.0	256.0	-397.0	42.4	05	15	- 2.6	8.3	5.4	-5.7	0	17	0	0	2	0	0	0	0	0
AJMER	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
PACHMARHI	23.4	-0.4	28.6	28	19.1	-0.5	17.9	04	303.2	900.0	+256.1	139.4	01	20	- 2.0	11.1	11.7	+3.4	1	24	0	0	7	0	0	0	0	0
MAHABALESHWAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MERCARA	22.2	+1.5	25.6	21	13.3	-3.8	17.4	01	39.1	478.7	-204.0	57.0	04	20	- 6.6	9.6	13.1	-2.4	0	29	0	0	0	0	0	0	0	0
OOTACAMUND	18.9	+1.6	21.9	11	10.5	-0.4	9.0	07	69.6	167.2	+ 20.1	77.8	18	8	- 4.9	3.5	4.6	-4.3	1	15	0	0	1	0	0	0	0	0
COONOOR	22.2	+0.7	24.3	12	11.5	-3.1	9.6	11	..	345.6	+251.7	185.4	18	12	+ 3.7	..	..	..	0	13	0	0	0	0	0	0	0	0
KODAIKANAL	18.1	+0.6	21.2	11	11.4	-0.1	10.1	02	142.2	307.1	+130.1	98.0	18	12	0.0	12.5	10.9	-2.9	0	18	0	0	14	0	0	0	0	0
MANALI	25.0	..	28.0	02	15.0	..	11.0	26	26.2	221.8	..	43.1	19	13	..	1.3	0.6	..	0	17	0	0	0	0	0	0	0	0
NEPAL																												
KATMANDU	27.9	-0.6	31.0	12	19.9	0.0	18.4	19	89.3	340.9	- 6.2	59.1	19	19	- 0.9	2.5	1.3	+0.1	0	24	0	0	7	0	0	0	0	0
SIKKIM																												
LACHEN	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
HYDROMETEOROLOGICAL OBSERVATORIES																												
DAMODAR CATCHMENT																												
TILAIYA	29.7	..	32.8	28	23.9	..	22.4	22	129.5	346.2	..	68.4	09	18	..	7.5	5.5	..	0	21	0	0	0	0	0	0	0	0
HAZARIBAGH	28.5	..	31.6	31	21.5	..	20.0	23	115.4	255.8	..	37.2	22	16	..	8.5	5.3	..	1	23	0	0	8	0	0	0	0	0
KUNAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BOKARO	31.9	..	34.4	07	25.0	..	23.2	23	270.7	481.3	..	117.0	09	17	..	..	..	..	0	20	0	0	0	0	0	0	0	0
MAITHON	32.2	..	36.5	28	23.1	..	19.0	09	119.2	418.6	..	175.8	09	13	..	..	..	..	0	16	0	0	13	0	0	0	0	0
RAMGARH	31.1	..	35.0	27	23.8	..	21.4	23	163.0	299.3	..	55.0	14	12	..	..	..	..	1	21	0	0	2	0	0	0	0	0
PANCHET HILLS	31.2	..	34.5	28	25.5	..	22.8	09	104.3	375.5	..	168.0	09	16	..	5.3	4.3	..	2	21	0	0	1	0	0	0	0	0
DURGAPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MAHANADI CATCHMENT																												
GINABAHAR	29.1	..	38.4	11	21.9	..	20.5	23	..	363.1	..	52.1	08	19	..	..	..	..	0	24	0	0	3	0	1	0	0	0
HIRAKUD	30.0	..	35.0	29	24.6	..	22.7	21	133.0	383.4	..	67.0	14	19	..	6.2	6.0	..	1	22	0	0	2	0	0	0	0	0
BHIMKUND	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SONEPUR	30.8	..	37.4	27	24.9	..	22.6	21	..	262.1	..	83.0	14	13	..	.	7.7	..	3	19	0	0	0	0	0	0	0	0
KHIJRAWAN	28.8	..	32.6	26	..	..	..	..	61.4	232.0	..	68.3	01	18	..	11.5	8.9	..	0	21	0	0	6	0	0	0	0	0
NARMADA CATCHMENT																												
BAGRA TAWA	28.9	..	33.6	28	22.2	..	20.8	04	235.4	627.2	..	162.4	01	18	..	11.5	9.3	..	0	21	0	0	4	0	0	0	0	0
PUNASA	31.2	..	35.5	22	..	..	..	..	107.8	218.9	..	42.0	24	12	..	15.5	12.9	..	0	14	0	0	0	0	0	0	0	0
THIKRI	30.7	..	35.5	27	23.2	..	21.7	23	..	167.2	..	33.0	05	12	..	..	..	..	0	18	0	0	0	0	0	0	0	0
SABARMATI CATCHMENT																												
DAROI	31.4	..	35.0	01	24.3	..	23.4	27	37.2	96.2	..	16.6	17	13	..	..	..	..	1	16	0	0	0	0	0	0	0	0
JHADOL	29.0	..	33.6	27	22.8	..	21.5	28	..	217.4	..	59.0	17	11	..	..	..	..	0	17	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – AUGUST 1969 SRAVANA 10 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
GANDAK CATCHMENT																												
JAMOSOM	23.9	..	28.6	12	12.4	..	10.6	24	79.3	85.3	..	19.1	19	10	..	..	..	..	0	11	0	0	0	0	0	0	0	0
KHUDI BAZAR	28.4	..	31.5	14	20.8	..	18.4	24	110.2	817.4	..	108.0	19	24	..	..	..	..	0	31	0	0	0	0	0	0	0	0
LIMDIKE	25.1	..	28.1	12	17.3	..	15.5	26	37.0	300.9	..	40.5	19	20	..	..	..	..	0	29	0	0	0	0	0	0	0	0
POKHARA	28.8	..	31.4	14	21.8	..	20.4	26	29.6	701.6	..	111.3	11	25	..	5.4	3.7	..	1	28	0	0	8	0	0	0	0	0
SIKHA	27.1	..	30.2	14	19.0	..	17.7	20	38.5	216.7	..	48.0	20	18	..	..	..	..	1	24	0	0	3	23	0	0	0	0
TUWAKOT	28.7	..	32.0	14	21.3	..	20.3	28	121.5	413.4	..	83.4	08	21	..	..	..	..	0	24	0	0	0	0	0	0	0	0
MAHAKALI CATCHMENT (TRANS HIMALAYAN REGION)																												
DATCHIN	25.0	..	26.7	30	19.4	..	17.0	22	50.9	174.0	..	30.2	18	10	..	..	..	..	0	10	0	0	0	0	0	0	0	0
KARNALI CATCHMENT																												
SALLYANA	25.7	..	28.5	01	19.6	..	16.9	20	140.7	398.6	..	135.8	21	..	..	.	0.0	..	2	20	0	0	0	0	0	0	0	0
RUTWAL	31.8	..	34.9	01	24.8	..	22.9	09	158.7	494.6	..	61.4	20	21	..	..	..	..	0	24	0	0	0	0	0	0	0	0
BAGMATI CATCHMENT																												
KATMANDU		SEE UNDER NEPAL				..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
KOSI CATCHMENT																												
BALUNGCHUNG GOLA	16.1	..	19.1	13	9.6	..	8.2	24	28.6	284.6	..	20.6	05	28	..	..	..	..	0	29	0	0	0	0	0	0	0	0
TAPLETHOK	26.6	..	31.1	12	18.3	..	17.8	14	158.7	638.3	..	102.2	07	30	..	..	..	..	0	30	0	0	0	0	0	0	0	0
BHOJPUR	23.4	..	26.2	09	18.3	..	16.8	04	28.6	136.2	..	37.8	21	11	..	..	..	..	1	17	0	0	0	0	0	0	0	0
TAPLEJUNG	24.2	..	27.8	13	17.5	..	16.4	14	140.0	424.0	..	60.3	20	22	..	4.0	2.4	..	0	29	0	0	2	18	0	0	0	0
DHARAN DHUNGA	24.6	..	27.6	04	16.8	..	15.7	31	147.4	453.1	..	92.0	07	20	..	0.9	0.5	..	0	23	0	0	5	26	0	0	0	0
CHAINPUR	27.6	..	29.9	14	20.0	..	19.1	17	83.6	271.2	..	51.6	19	18	..	..	..	..	0	19	0	0	0	0	0	0	0	0
HARAHAKSHETRA	30.5	..	33.0	01	24.3	..	23.2	27	464.5	628.9	..	86.5	28	21	..	4.7	2.3	..	3	24	0	0	10	0	0	0	0	0
TISTA CATCHMENT																												
GANGTOK	22.2	..	26.5	13	16.8	..	15.4	23	146.7	560.4	..	65.0	15	28	..	3.4	2.7	..	0	31	0	0	7	31	0	0	0	0
GEZING	25.2	..	29.1	14	17.8	..	16.4	21	65.8	423.5	..	65.2	10	23	..	..	..	..	1	30	0	0	0	0	0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST 1969 (SRAVANA 10 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAY ISLANDS																											
MAYA BANDAR	0830	28	1009.6	1005.8	+1.0	28.6	27.2	26.6	34.8	89	+ 3	5.8	-0.5	24.1	1	7	16	01	0	0	1	0	14	5	3	7	0
	1730	28	1007.3	1004.2	+1.4	27.2	26.0	25.5	32.8	91	+ 3	6.2	-0.3	14.2	0	6	20	00	0	1	1	0	14	8	2	5	0
LONG ISLAND	0830	25	1009.7	1006.9	+1.6	28.0	25.5	24.5	30.7	82	- 3	6.7	+0.3	3.1	0	0	23	00	0	0	1	0	20	2	0	8	0
	1730	25	1007.9	1005.0	+1.7	27.4	25.1	24.1	30.0	82	- 4	7.1	+0.5	2.9	0	0	23	00	0	1	0	0	20	2	0	8	0
PORT BLAIR	0530	79	1008.6	999.6	..	25.1	24.2	23.7	29.4	92	..	6.3	..	9.1	0	5	12	00	0	0	0	2	11	2	2	14	0
	0830	79	1009.9	1001.0	+1.5	27.4	25.2	24.3	30.3	83	- 1	6.6	-0.4	14.6	0	10	19	01	0	2	[illegible]	3	15	2	3	2	0
	1130	79	1009.0	1000.2	..	28.5	25.5	24.2	30.2	78	..	6.3	..	16.4	0	12	16	00	1	1	2	2	17	3	2	3	0
	1430	79	1007.2	998.4	..	27.9	25.4	24.3	30.4	81	..	6.2	..	15.2	0	11	18	00	2	1	4	2	15	4	1	2	0
	1730	79	1007.8	998.8	+1.5	26.5	24.9	24.1	30.0	87	- 1	6.6	-1.3	9.3	0	4	20	00	0	0	0	1	18	2	3	7	0
	2030	79	1009.7	1000.7	..	25.6	24.5	24.1	29.9	91	..	4.9	..	8.9	0	7	12	00	0	1	0	2	12	2	2	12	0
	2330	79	1009.4	1000.4	..	25.2	24.4	23.9	29.7	93	..	5.1	..	8.9	0	6	14	00	0	0	0	2	14	3	1	11	0
CAR NICOBAR	0830	10	1010.5	1009.4	+1.6	28.0	26.3	25.6	32.9	87	+ 4	6.2	-0.2	4.2	0	0	27	00	0	0	0	0	27	0	0	4	0
	1730	10	1008.0	1006.9	+1.1	27.2	26.0	25.6	33.0	91	+ 5	7.1	+0.8	2.5	0	0	20	00	0	0	0	0	20	0	0	11	0
NAN COWRY	0830	26	1011.0	1008.1	+1.3	27.8	25.5	24.5	30.7	82	+ 0	5.5	-0.7	5.8	0	0	24	01	0	0	0	2	13	7	1	7	0
	1730	26	1008.6	1005.7	+1.0	26.9	24.8	23.9	29.6	84	+ 0	5.6	-0.5	4.9	0	0	20	01	0	0	0	1	13	4	1	11	0
KONDUL	0830	8	1011.7	1010.0	+1.2	27.8	25.6	24.6	31.0	84	+ 1	5.9	-0.4	3.8	0	0	16	00	0	16	0	0	0	0	0	15	0
	1730	8	1009.8	1007.9	+1.2	27.1	25.5	24.9	31.5	88	+ 2	6.5	+0.0	4.0	0	1	19	00	1	19	0	0	0	0	0	11	0
HUT BAY/LITTLE ANDAMAN	0830		1010.6	1009.8	..	28.3	26.1	25.1	31.9	83	..	6.5	..	6.8	0	1	22	00	1	0	1	1	18	1	1	8	0
	1730		1008.2	1007.4	..	27.3	25.6	24.7	31.2	86	..	6.6	..	4.1	0	0	17	00	0	0	0	0	15	1	1	14	0
NORTH ASSAM (INCLUDING NEFA)																											
PASIGHAT	0830	157	1005.2	987.6	+1.3	26.4	24.8	24.1	30.0	88	+ 2	6.6	-0.2	3.3	0	0	24	04	1	6	2	1	2	0	8	7	0
	1730	157	1001.3	983.9	+1.6	27.8	25.7	24.8	31.4	85	+ 3	5.6	+0.4	1.5	0	0	14	01	0	0	0	3	0	1	9	17	0
DIBRUGARH (MOHANBARI)	0230	111	1003.0	990.5	..	25.6	25.0	24.7	30.8	94	..	7.1	..	3.7	0	1	13	00	10	2	1	0	0	1	0	17	0
	0530	111	1003.7	991.1	..	25.0	24.6	24.3	30.3	96	..	7.4	..	3.9	0	0	19	00	6	3	1	2	3	4	0	12	0
	0830	111	1005.0	992.5	+1.3	26.6	25.3	24.7	31.1	89	+ 3	7.4	+0.3	4.8	0	0	22	02	7	5	1	2	3	1	1	9	0
	1130	111	1004.0	991.5	..	28.2	25.9	24.9	31.5	84	..	7.0	..	7.1	0	0	29	04	10	1	3	2	5	2	2	2	0
	1430	111	1001.3	989.0	..	29.7	26.5	25.2	31.9	78	..	6.6	..	6.1	0	0	28	02	12	4	2	0	3	1	4	3	0
	1730	111	1000.9	988.6	+1.6	29.0	26.1	24.9	31.4	80	+ 1	6.2	+0.9	4.6	0	0	21	05	5	5	0	0	5	0	1	10	0
	2030	111	1003.3	990.8	..	26.7	25.6	25.1	31.9	91	..	5.4	..	3.1	0	0	11	00	6	5	0	0	0	0	0	20	0
	2330	111	1003.8	991.3	..	27.2	25.3	24.9	31.6	93	..	6.7	..	3.0	0	0	17	02	9	4	1	0	1	0	0	14	0
DIGBOI	0830	152	1005.5	988.1	+0.4	27.3	25.3	24.3	30.5	84	- 3	6.5	-0.1	4.6	0	0	31	06	8	4	1	1	2	7	2	0	0
	1730	152	1001.2	984.2	+0.3	29.2	26.4	25.2	32.1	80	+ 3	5.3	-0.6	4.4	0	0	31	08	4	4	0	4	4	6	1	0	0
NORTH LAKHIMPUR	0830	102	1004.8	993.3	+1.0	26.9	25.6	25.0	31.8	90	+ 0	7.1	+0.0	5.5	0	1	26	06	6	3	2	5	2	0	0	4	3
	1130	102	1003.8	992.4	..	28.5	26.5	25.4	32.5	82	..	6.9	..	7.6	0	1	29	01	4	0	1	12	2	0	0	1	10
	1430	102	1001.3	990.0	..	29.2	26.7	25.5	32.7	76	..	6.6	..	6.5	0	1	29	03	2	2	2	9	4	1	0	1	7
	1730	102	1000.8	989.5	+1.3	29.9	26.5	25.6	32.9	83	- 1	6.4	+0.9	4.4	0	0	24	03	5	5	1	4	5	1	0	7	0
	2030	102	1003.2	991.7	..	27.0	26.2	25.9	33.3	93	..	6.2	..	2.6	0	0	15	05	2	2	0	4	1	1	0	16	0
SIBSAGAR	0830	97	1005.4	994.5	+1.4	26.1	24.6	23.8	29.8	88	+ 3	6.2	-1.2	3.4	0	0	18	02	3	1	1	6	4	0	1	13	0
	1730	97	1001.3	990.7	+2.0	25.6	24.7	23.1	30.9	82	+ 2	7.3	+1.4	2.2	0	0	14	02	3	2	0	3	3	1	0	17	0
GOHPUR	0830	83	1004.8	995.5	..	27.2	25.9	25.4	32.4	90	- 1	6.7	..	1.4	0	0	17	00	1	7	0	0	0	9	0	14	0
	1730	83	1000.8	991.6	..	28.7	26.3	25.4	32.5	83	- 2	5.6	..	1.1	0	0	15	01	0	6	0	0	0	8	0	16	0
MAJBAT	0830	120	1003.9	990.5	+0.7	27.5	25.9	25.2	32.1	88	..	2.8	-3.9	1.0	0	0	12	00	4	0	4	0	4	0	0	19	0
	1730	120	1000.4	987.4	+1.3	29.5	27.4	26.4	34.5	85	..	2.2	-3.2	0.5	0	0	6	00	1	0	1	0	4	0	0	24	0
JORHAT AERODROME	0530	90	..	..	..	..	..	..	..	..	..	6.8	..	4.0	0	0	12	01	0	1	0	7	2	1	0	19	0
	0830	90	1004.7	994.4	..	27.5	25.8	25.1	31.9	86	..	6.6	..	6.5	0	0	22	01	6	1	1	4	4	4	0	9	1
	1130	90	1003.5	993.5	..	29.8	27.5	26.1	33.5	81	..	6.5	..	9.1	0	2	23	02	13	0	0	3	3	3	1	6	0
	1730	90	1000.5	990.5	..	29.0	26.6	25.6	32.9	83	..	5.7	..	4.6	0	1	14	00	6	1	0	3	2	3	0	16	0
	2330	90	1003.3	993.3	..	27.0	25.5	24.9	31.6	88	..	6.1	..	3.4	0	1	7	00	1	1	0	3	2	1	0	23	0
TANGLA	0830	78	1002.3	995.1	+1.2	28.1	26.1	25.3	32.2	85	+ 0	6.1	+0.6	3.2	0	0	23	00	0	9	0	6	0	8	0	8	0
	1730	78	998.1	991.0	+0.7	30.1	26.9	25.5	32.7	77	- 4	4.4	-0.3	1.5	0	0	11	00	0	4	0	0	0	7	0	20	0
TEZPUR	0830	79	1004.8	995.9	+0.6	27.3	26.1	25.5	32.7	91	+ 5	6.9	+0.5	4.3	0	0	29	00	19	0	1	0	9	0	0	2	0
	1730	79	1001.1	992.4	+1.2	29.7	26.9	25.8	33.3	81	+ 0	3.9	-1.0	2.1	0	0	22	00	9	0	4	0	9	0	0	8	0
GOLAGHAT	0830	95	1004.6	994.0	+1.0	27.0	25.4	24.7	31.3	88	+ 2	4.8	-1.9	1.2	0	0	16	04	1	0	0	5	4	1	1	15	0
	1730	95	1000.6	990.1	+0.9	30.6	26.8	25.2	32.0	74	- 4	4.6	-0.8	0.5	0	0	6	01	1	0	0	0	1	1	2	19	0
RANGIA	0830	60	1005.2	998.4	..	28.6	26.4	25.4	32.4	83	+ 0	5.8	..	6.5	0	0	28	00	4	12	1	0	0	9	2	3	0
	1730	60	1001.9	995.3	..	29.6	26.8	25.7	33.0	79	+ 1	5.1	..	4.4	0	0	27	01	2	8	1	0	1	13	1	2	0
CHAPARMUKH	0830	66	1005.6	998.2	+1.8	28.7	26.6	25.8	33.2	84	- 1	6.4	+0.0	2.4	0	0	28	00	1	10	16	0	1	0	0	0	0
	1730	66	1001.3	994.0	+1.5	29.0	27.1	26.4	34.5	86	+ 2	4.7	-1.1	0.6	0	0	5	00	0	1	4	0	0	0	0	11	0
GOALPARA	0830	38	1004.0	999.9	+1.4	27.2	26.1	25.6	32.8	91	+ 5	8.0	+1.3	2.0	0	0	28	02	5	12	1	2	0	4	2	2	0
	1730	38	1000.5	996.3	+1.3	29.6	27.0	25.8	33.4	81	+ 1	7.7	+1.6	1.7	0	0	25	01	4	5	1	4	3	7	0	5	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS AUGUST 1969 (SRAVANA 10 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NORTH ASSAM (INCLUDING NEFA) (CONTD.)																											
GAUHATI (BHORJOR)	0230	54	1002.3	996.2	..	26.3	25.7	25.4	32.5	95	..	6.8	..	0.8	0	0	4	01	1	1	0	0	0	1	0	27	0
	0530	54	1003.0	996.8	..	26.1	25.5	25.2	32.1	95	..	7.2	..	1.3	0	0	6	00	2	0	1	1	1	0	1	25	0
	0830	54	1004.2	998.1	+0.7	28.2	26.2	25.4	32.4	85	+ 0	6.6	+0.0	3.7	0	0	14	02	4	4	0	0	1	1	2	17	0
	1130	54	1003.3	997.3	..	30.2	26.9	25.6	32.8	77	..	6.3	..	10.8	0	0	28	07	10	0	0	1	1	4	5	3	0
	1430	54	1001.1	995.0	..	29.4	26.5	25.3	32.4	80	..	6.4	..	8.5	0	0	26	06	3	1	1	4	5	4	2	5	0
	1730	54	1000.7	994.7	+0.9	28.9	26.4	25.4	32.4	82	+ 0	6.1	-0.1	5.1	0	0	18	01	0	0	0	4	9	2	2	12	0
	2030	54	1003.2	997.1	..	27.3	26.1	25.6	32.9	91	..	5.7	..	1.0	0	0	4	00	0	0	0	1	0	2	1	27	0
	2330	54	1003.6	997.5	..	26.6	25.8	25.4	32.4	93	..	6.5	..	0.2	0	0	1	00	0	0	0	1	0	0	0	30	0
DHUBRI (RUPSI)	0530	45	1002.3	997.2	..	25.8	25.3	25.0	31.8	96	..	6.9	..	4.5	0	0	26	00	5	4	5	4	7	1	0	5	0
	0830	45	1003.8	998.7	+1.4	27.5	26.0	25.4	32.5	89	+ 3	7.0	+0.3	7.4	0	0	31	00	2	8	7	4	8	0	2	0	0
	1130	45	1003.3	998.3	..	29.1	26.7	25.6	33.0	83	..	6.8	..	10.3	0	1	29	01	3	6	8	3	6	2	1	1	0
	1730	45	1000.5	995.4	+1.7	28.8	26.7	25.9	33.5	85	+ 2	6.4	+0.2	6.2	0	1	28	00	0	3	4	11	9	1	1	2	0
DHUBRI	0830	35	..	..	..	27.5	26.0	25.4	32.5	88	+ 2	6.6	+0.8	7.1	0	3	24	00	7	7	6	5	1	0	1	4	0
	1730	35	..	..	..	28.7	26.7	25.8	33.3	85	+ 0	6.5	+0.7	2.1	0	1	11	00	0	3	3	4	2	0	0	19	0
LUMDING	0830	149	1005.4	988.8	..	28.1	25.5	24.4	30.5	81	- 1	6.1	..	1.0	0	0	13	00	0	10	0	2	1	0	0	18	0
	1730	149	1001.8	985.3	..	29.7	26.1	24.6	31.1	75	..	5.5	..	1.5	0	0	14	00	1	3	1	5	1	3	0	16	0
BOMDILLA	0830		..	..	..	16.0	14.8	14.2	16.3	89	..	8.0	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	15.8	14.5	13.7	15.9	88	..	8.0	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAWANG	0830		..	..	..	14.6	13.8	13.4	15.5	92	..	3.4	..	2.4	0	0	24	03	0	8	1	8	0	4	0	7	0
	1730		..	..	..	11.1	10.4	9.8	12.3	93	..	3.3	..	1.5	0	0	19	02	0	6	0	10	0	1	0	12	0
TEZU	0830		..	..	..	26.8	25.0	24.2	30.3	87	..	6.8	..	0.5	0	0	7	00	0	0	0	0	0	0	0	24	7
	1730		..	..	..	28.9	26.4	25.1	32.1	81	..	6.3	..	0.1	0	0	1	00	0	0	0	0	0	0	0	30	1
ALONG	0830		..	..	..	26.4	25.1	24.0	29.8	86	..	6.9	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	28.3	25.3	24.0	30.0	78	..	6.0	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ZIRO	0830		..	..	..	20.8	19.2	18.4	21.2	87	..	6.0	..	2.7	0	0	13	03	6	0	1	0	3	0	0	18	0
	1730		..	..	..	22.3	19.9	18.6	21.3	81	..	4.9	..	41.3	6	14	0	01	1	0	1	1	9	3	4	11	0
KHONSA	0830		..	..	..	24.5	22.6	21.8	26.2	85	..	7.4	..	0.7	0	0	9	00	0	1	1	1	0	2	4	21	0
	1730		..	..	..	24.3	22.9	22.3	27.0	88	..	7.5	..	0.1	0	0	1	00	0	0	0	1	0	0	0	28	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
TURA	0830	370	1005.3	964.0	+0.8	25.1	24.2	23.8	29.6	93	+ 4	7.7	+0.6	3.0	0	0	20	00	4	2	1	4	5	3	1	11	0
	1730	370	1001.6	960.7	+0.8	26.4	24.7	24.0	30.0	87	+ 0	6.9	-0.4	2.3	0	0	24	02	1	3	2	6	6	3	1	7	0
HAFLONG	0830	682	1006.0	931.0	+2.0	22.9	21.7	21.1	25.0	88	+ 0	6.8	+0.6	3.1	0	0	31	00	0	0	0	13	18	0	0	0	0
	1730	682	..	..	..	25.0	22.6	21.6	25.8	82	+ 0	6.2	+0.4	2.7	0	0	31	00	0	0	0	4	27	0	0	0	0
SILCHAR (KUMBHIRGRAM)	0530	97	1004.6	992.1	..	24.6	24.1	23.9	29.6	96	..	7.6	..	4.6	0	0	20	01	4	15	0	0	0	0	0	11	0
	0830	97	1005.7	993.3	+1.2	26.6	25.0	24.4	30.5	88	+ 1	7.3	+0.5	6.8	0	0	29	01	5	20	1	1	0	0	1	2	0
	1130	97	1004.7	992.4	..	29.1	25.9	24.5	30.8	77	..	6.8	..	6.8	0	0	28	02	3	5	1	4	4	8	1	3	0
	1730	97	1002.2	989.9	+1.5	28.1	25.6	24.5	30.8	82	+ 1	6.8	+0.8	4.9	0	1	20	00	2	3	2	1	1	11	1	10	0
SILCHAR	0830	29	1005.3	1002.0	+0.9	27.1	25.6	25.0	31.7	88	+ 2	6.7	+0.0	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	29	1001.7	998.5	+1.3	28.8	26.2	25.1	31.9	81	+ 0	6.4	+0.3	0.1	0	0	1	00	0	0	0	1	0	0	0	30	0
IMPHAL (TULIHAL)	0530	781	1005.5	920.0	..	22.2	21.6	21.3	25.3	95	..	7.5	..	2.0	0	0	8	01	1	0	1	3	1	0	1	22	0
	0830	781	1006.1	921.2	+1.4	24.5	22.3	21.3	25.3	82	+ 0	6.9	+0.1	4.6	0	0	17	01	1	1	3	7	1	1	1	14	1
	1130	781	1004.8	920.4	..	26.6	23.0	21.4	25.4	73	..	6.8	..	8.9	0	0	24	01	1	0	5	6	8	1	2	7	0
	1430	781	1002.6	918.5	..	26.3	23.0	21.5	25.7	76	..	6.7	..	9.7	0	0	26	04	2	2	4	4	5	1	4	4	0
	1730	781	1002.7	918.1	+3.3	25.0	22.5	21.3	25.4	81	+ 2	6.8	+0.5	8.0	0	0	22	03	2	1	2	4	2	1	7	9	0
	2030	781	1005.3	920.3	..	24.0	22.2	21.3	25.4	85	..	6.2	..	7.8	1	0	16	01	2	2	2	4	1	1	4	14	0
	2330	781	1005.9	920.5	..	23.1	21.9	21.3	25.4	90	..	6.6	..	4.3	0	0	14	02	0	0	2	2	4	2	2	17	0
KAILASHAHAR	0530	29	1005.0	1001.7	..	25.2	24.6	24.4	30.5	95	..	6.9	..	3.5	0	0	22	00	1	1	8	12	0	0	0	9	0
	0830	29	1006.0	1002.8	+1.8	27.6	25.7	24.8	31.3	85	+ 2	6.7	-0.1	7.2	0	0	30	00	0	3	10	17	0	0	0	1	0
	1130	29	1005.2	1001.9	..	29.4	26.4	25.2	32.0	79	..	6.9	..	9.5	0	0	30	00	2	3	5	15	3	0	1	1	1
	1730	29	1002.9	999.6	+2.2	27.8	26.1	25.4	32.5	87	+ 3	6.8	+0.0	7.4	0	1	27	02	1	2	4	14	2	3	0	3	0
AGARTALA	0230	16	1002.5	1000.7	..	25.2	24.5	24.2	30.1	94	..	6.5	..	12.9	0	3	28	00	0	1	16	13	1	0	0	0	0
	0530	16	1002.9	1001.1	..	24.9	24.3	24.0	29.9	95	..	7.1	..	11.4	0	2	28	00	0	3	20	6	0	1	0	1	0
	0830	16	1004.2	1002.4	+1.2	27.4	25.6	24.8	31.4	86	+ 2	6.8	-0.1	14.5	0	3	27	00	0	1	13	14	2	0	0	0	0
	1130	16	1003.6	1001.8	..	29.2	26.4	25.3	32.2	80	..	6.8	..	14.7	0	6	25	00	0	0	12	13	4	1	1	0	0
	1430	16	1001.1	999.3	..	30.0	26.8	25.5	32.6	77	..	6.5	..	13.3	0	4	26	00	0	0	9	12	5	3	1	0	0
	1730	16	1001.2	999.4	+1.5	27.8	25.9	25.2	32.0	86	+ 1	6.7	-0.2	11.5	0	2	29	00	1	0	6	16	6	2	0	0	0
	2030	16	1003.6	1001.8	..	26.3	25.3	24.8	31.4	92	..	6.2	..	10.5	0	4	22	00	0	0	14	12	0	0	0	5	0
	2330	16	1003.7	1001.9	..	25.6	24.7	24.3	30.4	93	..	6.0	..	13.0	0	3	28	00	0	0	23	7	0	1	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST 1969 (SRAVANA 10 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA) (CONTD.)																											
TUENSANG	0830		(R)																								
	1730		(R)																								
MOKOKCHUNG	0830		(R)																								
	1730		(R)																								
SUB-HIMALAYAN WEST BENGAL																											
BAGHDOGRA	0230	131	1002.4	987.6	..	25.4	24.7	24.3	30.5	94	..	7.4	..	8.0	0	0	22	01	17	2	0	0	1	1	0	9	0
	0530	131	1002.4	987.6	..	25.3	24.6	24.2	30.3	94	..	7.1	..	7.4	0	0	20	00	16	2	0	0	1	0	1	11	0
	0830	131	1003.8	989.1	+1.3	27.3	25.6	25.0	31.7	88	+ 3	7.2	+0.4	12.8	0	3	25	01	11	14	1	0	1	0	0	3	0
	1130	131	1003.3	988.7	..	29.2	26.3	25.1	31.9	80	..	6.8	..	13.8	0	4	25	00	10	10	6	2	1	0	0	2	0
	1430	131	1000.7	986.1	..	30.5	26.9	25.5	32.6	75	..	6.6	..	16.1	0	10	20	00	7	10	7	3	3	0	0	1	0
	1730	131	1000.3	985.7	+0.9	28.9	26.2	24.9	31.5	80	+ 0	6.8	+0.5	14.1	0	7	21	01	11	5	4	2	3	1	1	3	0
	2030	131	1002.8	988.1	..	27.0	25.7	25.2	32.0	90	..	7.1	..	11.0	0	3	21	04	12	4	1	1	1	0	0	7	1
	2330	131	1003.5	988.8	..	26.2	25.2	24.8	31.3	92	..	7.2	..	9.0	0	0	24	04	15	4	0	0	1	0	0	7	0
JALPAIGURI	0830	83	1003.9	994.6	+0.9	26.4	25.0	24.3	30.4	88	+ 1	6.8	+1.4	5.7	0	0	28	06	8	12	1	1	0	0	0	3	0
	1730	83	1000.5	991.3	+1.0	28.4	26.1	25.1	31.9	83	+ 2	5.9	+0.6	3.7	0	0	21	02	5	5	8	1	0	0	0	10	0
COOCH BEHAR AERODROME	0830	43	1004.1	999.3	+1.6	27.6	25.9	25.2	32.1	87	+ 3	7.0	+0.4	6.9	0	4	12	01	1	9	3	1	0	1	0	15	0
	1130	43	1003.6	998.8	..	29.1	26.7	25.7	33.0	83	..	7.0	..	11.6	0	4	24	00	0	7	6	8	1	4	0	3	2
	1730	43	1000.9	996.1	+1.7	28.8	26.7	25.8	33.3	84	+ 3	6.5	+0.7	3.7	0	0	14	00	1	5	4	4	0	0	0	17	0
BALURGHAT	0830	26	1002.6	999.7	..	28.7	26.6	25.7	33.1	85	..	6.4	..	3.8	0	0	30	00	2	15	1	10	2	0	0	1	0
	1730	26	1000.0	997.1	..	29.1	26.7	25.8	33.2	83	..	6.0	..	3.0	0	0	29	02	1	12	2	10	2	0	0	2	0
MALDA	0830	31	1003.0	999.5	+0.9	28.4	26.3	25.5	32.6	85	+ 1	5.8	-0.9	2.3	0	0	23	00	3	6	6	5	2	1	0	8	0
	1730	31	999.8	996.3	+0.9	29.5	26.6	25.4	32.4	79	- 2	5.8	-0.5	2.0	0	0	20	00	0	6	6	4	3	0	1	11	0
HASHIMARA AERODROME	0530		..	..	..	..	..	..	..	..	..	7.1	..	1.3	0	0	4	00	1	1	1	1	0	0	0	27	0
	0830		1004.7	991.8	..	27.6	25.8	25.1	31.8	87	..	7.0	..	3.7	0	0	11	00	1	3	5	1	1	0	0	20	0
	1130		1004.2	991.4	..	29.9	26.8	25.5	32.6	78	..	6.9	..	8.8	0	1	20	02	2	0	8	5	3	1	0	10	0
	1730		1001.5	988.6	..	28.0	26.4	25.7	32.1	88	..	6.5	..	3.1	0	0	9	00	1	0	4	2	1	0	1	22	0
	2330		1004.4	991.4	..	25.9	25.2	24.8	31.3	94	..	6.5	..	1.8	0	0	6	01	0	1	1	3	0	0	0	25	0
GANGETIC WEST BENGAL																											
BERHAMPORE	0830	19	1002.8	1000.7	+1.0	27.9	26.6	26.0	33.9	90	+ 6	7.3	+0.4	2.9	0	0	23	00	0	6	4	6	5	2	0	8	0
	1730	19	1000.2	998.1	+1.5	28.9	26.9	25.9	33.7	84	+ 2	7.1	+0.8	2.8	0	0	21	01	0	6	0	11	2	1	0	10	0
SURI	0830		..	..	..	28.4	26.2	25.3	32.2	83	- 1	6.7	+0.0	5.9	0	0	31	03	1	4	0	18	3	2	0	0	0
ASANSOL	0230	126	1001.1	986.9	..	26.2	25.1	24.6	30.9	91	..	6.0	..	3.4	0	0	18	03	2	0	1	5	3	4	0	13	0
	0530	126	1001.5	987.3	..	25.9	24.8	24.4	30.5	91	..	7.0	..	3.5	0	0	23	02	0	2	4	4	5	6	0	8	0
	0830	126	1003.0	988.9	+1.6	27.9	25.7	24.8	31.3	83	- 3	6.8	-0.2	5.1	0	0	30	00	2	3	2	8	6	6	3	1	0
	1130	126	1002.4	988.4	..	30.1	26.4	25.0	31.7	75	..	5.7	..	5.8	0	0	28	02	1	1	3	8	3	6	4	3	0
	1430	126	1000.1	986.2	..	30.4	26.6	25.0	31.8	74	..	7.0	..	6.5	0	0	29	02	4	1	2	8	4	5	3	2	0
	1730	126	999.6	985.6	+1.4	29.1	26.3	25.1	32.0	79	- 4	7.0	+0.0	4.3[a]	0	0	24	01	0	2	3	8	5	4	1	6	0
	2030	126	1002.4	988.3	..	27.6	25.8	25.1	31.9	86	..	6.2	..	4.3[a]	0	0	21	01	0	1	1	10	5	0	3	10	0
	2330	126	1002.5	988.4	..	26.9	25.4	24.8	31.3	88	..	6.3	..	4.8	0	0	25	02	0	2	1	11	6	2	1	5	0
SHANTI NIKETAN	0830	59	1003.4	996.7	..	27.5	26.1	25.5	32.7	89	..	6.8	..	4.9	0	0	24	01	2	1	2	10	7	0	1	7	0
	1130	59	1003.0	996.4	..	29.4	26.6	25.5	32.6	80	..	6.1	..	4.1	0	1	22	00	3	0	2	14	3	0	1	8	0
	1730	59	1000.3	993.6	..	29.2	26.4	25.2	32.0	79	..	7.0	..	4.7	0	0	23	01	2	0	1	12	5	0	2	8	0
KRISHNANAGAR	0830	15	1003.2	1001.6	+1.2	28.1	26.5	25.9	33.4	88	+ 2	4.5	-2.2	2.6	0	0	24	00	1	2	2	12	6	1	0	7	0
	1730	15	1001.2	999.6	+2.2	29.0	26.8	25.8	33.3	84	+ 0	5.4	-1.1	2.1	0	0	24	00	0	3	3	14	3	1	0	7	0
PURULIA	0830	255	1003.2	975.0	+1.5	26.8	24.9	24.0	31.6	85	+ 2	6.5	-0.3	8.5	1	1	26	01	1	1	4	9	8	1	3	3	0
	1730	255	1000.2	972.1	+1.9	28.2	25.4	24.2	30.2	80	+ 1	7.3	+0.1	3.5	0	0	28	00	1	0	5	9	3	5	5	3	0
BANKURA	0830	100	1002.5	991.4	..	27.7	25.8	25.1	31.8	86	..	5.4	..	1.3	0	0	18	01	2	0	1	1	7	3	0	13	3
	1730	100	998.9	987.8	..	28.8	26.2	25.1	31.9	81	..	6.1	..	0.1[b]	0	0	1	00	0	0	0	1	0	0	0	28	0
BURDWAN	0830	32	1003.4	999.8	+1.8	28.5	26.4	25.5	32.7	83	- 2	5.5	+0.2	9.4	0	0	30	00	3	5	2	1	11	5	3	1	0
	1730	32	1000.5	996.6	+1.7	29.2	26.4	25.3	32.2	80	- 1	5.9	+0.3	6.8	0	2	23	00	0	4	7	5	6	3	0	6	0
CALCUTTA (DUM DUM)	0230	6	1001.4	1000.7	..	26.5	25.7	25.4	32.4	94	..	6.2	..	11.5	0	4	24	01	0	1	2	14	8	1	1	3	0
	0530	6	1001.5	1000.8	..	26.3	25.5	25.2	32.0	94	..	7.0	..	9.8[a]	0	1	25	01	1	1	3	11	9	0	0	4	0
	0830	6	1003.2	1002.5	+1.2	28.0	26.2	25.4	32.5	86	+ 4	7.0	+0.1	13.9	0	7	21	00	1	1	4	7	12	2	1	3	0
	1130	6	1002.7	1002.0	..	29.3	26.7	25.6	32.8	81	..	7.3	..	15.3[a]	0	6	24	01	1	1	2	12	9	3	1	0	0
	1430	6	1000.6	999.9	..	30.0	27.0	25.7	33.1	79	..	7.5	..	14.4	0	4	26	00	1	0	3	13	9	3	1	1	0
	1730	6	1000.4	999.7	+1.4	28.5	26.5	25.7	33.1	86	+ 4	7.1	+0.2	13.6	0	4	26	00	0	1	1	23	5	0	0	1	0
	2030	6	1002.7	1002.0	..	27.1	25.8	25.2	32.2	89	..	6.0	..	13.7	0	6	22	00	0	1	3	14	7	1	2	3	0
	2330	6	1002.8	1002.1	..	26.8	25.7	25.3	32.3	92	..	5.8	..	12.7	0	6	21	02	0	1	1	14	9	0	0	4	0
CALCUTTA	0830	6	1003.2	1002.5	+1.4	28.7	26.6	25.7	33.0	84	- 1	6.7	-0.1	5.8	0	0	27	00	2	0	3	7	12	2	1	4	0
	1130	6	1002.8	1002.1	..	30.2	26.9	25.5	32.7	77	..	7.0	..	7.5	0	0	29	00	1	1	3	11	9	3	1	2	0

TABLE [illegible] - SUMMARY OF OBSERVATIONS AT FIXED HOURS — AUGUST 1969 SRAVANA 10 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
[illegible] WEST BENGAL (CONTD)																											
[illegible]	1730	6	1000.5	999.8	+1.7	28.8	26.5	25.6	32.8	84	+ 1	6.7	-0.1	7.9	0	2	25	00	0	2	8	10	7	0	0	4	0
[illegible]	0830	45	1003.5	998.3	+1.9	28.0	25.9	25.0	31.7	84	- 1	5.7	-0.8	4.9	0	0	29	02	1	0	0	12	12	1	0	2	1
	1730	45	1000.5	995.3	+1.9	28.5	26.3	25.4	32.4	83	+ 0	6.7	+0.0	4.0	0	1	25	02	1	0	0	10	11	0	2	4	0
[illegible]	0830	11	1003.3	1002.1	+2.2	28.6	26.4	25.5	32.7	84	- 1	6.7	+0.8	10.7	0	3	27	01	0	0	1	7	14	0	3	0	4
	1730	11	1000.5	999.3	+1.7	28.6	26.5	25.6	32.7	84	- 1	7.2	+1.5	11.6	0	2	28	00	0	0	1	14	8	1	0	1	6
[illegible] ISLAND	0830	3	1003.1	1002.8	+1.7	28.2	26.5	25.7	33.1	86	+ 3	6.3	-0.1	18.8	0	12	19	01	0	0	3	15	10	1	1	0	0
	1730	3	1000.5	1000.2	+1.6	28.7	26.6	25.7	33.1	84	+ 0	6.2	-0.1	17.9	0	11	20	00	0	1	6	16	8	0	0	0	0
SANDHEADS	0530	10	1002.3	1001.2	..	27.9	26.2	25.4	32.5	87	..	6.8	..	28.5	3	14	14	00	0	0	1	3	22	4	1	0	0
	0830	10	1003.8	1002.7	+2.2	28.5	26.4	25.5	32.6	84	+ 0	6.0	-0.1	28.0	1	20	10	00	0	0	1	1	21	7	1	0	0
	1130	10	1003.5	1002.4	..	29.3	26.7	25.7	32.9	81	..	5.9	..	27.1	2	17	11	00	0	0	0	0	21	7	2	1	0
	1730	10	1001.3	1000.2	+2.2	28.7	26.4	25.5	32.6	83	- 2	6.7	+0.7	31.7	5	14	12	00	0	1	1	4	23	2	0	0	
	2330	10	1003.1	1002.0	..	28.4	26.6	26.0	33.5	87	..	.	..	32.3	4	16	11	00	0	0	2	3	21	4	1	0	0
BAGATI	0830		..	..	..	28.1	26.3	25.6	32.8	87	..	6.6	..	9.9	0	1	29	00	3	0	4	2	18	3	0	1	0
	1730		..	..	..	28.9	26.7	25.9	33.4	84	..	5.7	..	9.4	0	2	28	00	1	1	6	2	17	2	0	1	1
ORISSA																											
BARIPADA	0830	54	1003.5	997.4	+1.8	27.9	26.0	25.3	32.2	86	+ 1	6.4	-0.3	1.8	0	0	16	01	1	0	4	6	3	1	0	15	0
	1730	54	1001.1	995.1	+2.2	28.8	26.5	25.5	32.7	83	+ 0	6.9	+0.5	1.5	0	0	14	01	0	1	4	5	2	1	0	16	0
[illegible]	0230	230	1002.1	976.3	..	24.8	24.1	23.8	29.5	94	..	6.1	..	7.9	0	2	22	00	0	0	1	8	7	6	2	7	0
	0530	230	1002.4	976.6	..	24.6	24.0	23.7	29.3	95	..	6.8	..	8.1	0	1	25	00	0	0	3	4	10	7	2	5	0
	0830	230	1003.9	978.2	+2.3	26.3	24.7	24.0	29.9	87	+ 0	6.8	-0.3	12.3	0	1	29	00	0	0	3	4	9	12	2	0	0
	1130	230	1003.5	978.0	..	28.3	25.4	24.1	30.0	79	..	6.7	..	14.6	0	8	22	00	0	0	1	5	8	14	2	1	0
	1430	230	1001.1	975.7	..	28.8	25.6	24.2	30.1	77	..	6.6	..	15.0	0	6	24	01	0	0	0	2	11	15	1	1	0
	1730	230	1000.9	975.4	+2.4	27.8	25.1	23.9	29.7	80	- 2	7.0	-0.3	11.2	0	4	24	01	0	0	2	4	6	13	2	2	0
	2030	230	1003.1	977.4	..	26.0	24.8	24.2	30.3	90	..	6.6	..	9.9	0	2	27	00	0	3	2	5	8	9	2	2	0
	2330	230	1003.6	977.9	..	25.4	24.4	24.0	29.8	92	..	6.3	..	8.6	0	2	25	00	1	0	1	7	10	7	1	4	0
KEONJHARGARH	0830	463	1003.6	949.9	-1.0	25.7	23.6	22.7	27.6	84	+ 1	4.3	-2.3	4.2	0	0	26	00	1	0	5	0	5	13	2	5	0
	1730	463	1000.8	947.3	-1.2	26.7	24.8	24.0	30.0	86	+ 5	4.7	-2.8	5.3	0	0	29	00	2	0	6	1	11	6	3	2	0
BALASORE	0830		(R)																								
	1730		(R)																								
SAMBALPUR	0830	148	1004.1	987.5	+2.1	26.9	24.8	23.9	29.6	82	- 4	5.8	-1.3	1.9	0	0	13	00	0	0	1	4	6	2	0	18	0
	1730	148	1000.9	984.4	+2.0	28.1	25.5	24.4	30.5	81	- 2	5.8	-1.5	1.9	0	0	9	01	0	0	0	1	4	3	0	22	0
ANGUL	0830	139	1004.1	988.5	+2.0	27.0	24.7	23.7	29.3	82	- 1	6.7	+0.0	..	.	..	..	00	0	0	0	0	0	0	0	0	0
	1730	139	1001.1	985.9	+2.4	28.9	25.4	23.8	29.6	76	- 4	7.4	+0.3	..	.	..	..	00	0	0	0	0	0	0	0	0	0
CHANDBALI	0830	6	1004.4	1003.7	+2.4	28.2	26.3	25.6	32.6	86	+ 2	6.7	+0.9	8.7	0	1	30	00	0	2	4	8	13	3	1	0	0
	1730	6	1001.4	1000.6	+2.1	29.0	26.7	25.7	33.3	84	+ 1	6.5	+0.6	8.5	0	2	29	00	0	4	4	7	10	1	5	0	0
ROURKELA	0830	190	1004.3	983.0	+2.9	26.9	25.1	24.2	30.3	85	+ 1	6.4	-0.5	10.7	0	3	27	00	1	0	2	12	15	0	0	1	0
	1730	190	1001.4	980.3	+2.6	28.3	26.0	25.0	31.8	83	+ 3	6.9	-0.5	3.8	0	0	27	02	0	1	3	12	8	0	1	4	0
PHULBANI	0830	464	1002.3	951.4	..	25.6	23.2	22.2	26.8	83	..	5.2	..	2.3	0	0	14	01	0	0	0	2	7	4	0	17	0
	1730	464	999.8	949.1	..	26.2	23.7	22.7	27.5	82	..	5.6	..	1.5	0	0	11	00	0	0	0	1	9	1	0	19	0
[illegible]	0830	27	1004.6	1001.6	+2.5	28.0	25.8	24.8	31.5	84	+ 1	5.7	-0.7	5.1	0	1	22	00	0	0	0	3	10	10	0	8	0
	1730	27	1002.0	999.0	+2.8	29.8	26.4	24.9	31.5	76	- 5	5.4	-1.4	6.8	0	0	25	01	0	0	0	8	11	4	1	6	0
TITLAGARH	0830	211	1003.2	979.6	+1.1	27.2	24.7	23.5	29.0	81	- 3	5.3	-0.7	2.0	0	0	31	00	0	0	10	0	18	0	3	0	0
	1730	211	1000.2	976.7	+1.1	28.6	25.5	24.2	30.2	78	- 1	5.6	-0.3	2.0	0	0	31	00	3	0	3	0	18	0	7	0	0
BHUBANESWAR	0230	46	1002.8	997.7	..	26.0	25.3	25.0	31.7	95	..	6.5	..	11.4	0	6	19	00	0	0	0	3	18	4	0	6	0
	0530	46	1003.0	997.8	..	25.8	25.2	24.9	31.5	94	..	6.9	..	9.4	0	5	16	00	0	0	0	4	13	4	0	10	0
	0830	46	1004.5	999.3	+3.1	27.6	25.8	25.0	31.7	87	+ 1	6.7	-0.1	14.1	0	5	23	00	0	0	0	8	16	4	0	3	0
	1130	46	1004.2	999.1	..	29.8	26.3	24.8	31.2	75	..	6.9	..	19.0	0	16	13	00	0	0	0	4	15	9	1	2	0
	1430	46	1002.2	997.0	..	30.2	26.3	24.7	31.1	74	..	7.0	..	21.7	0	18	10	00	0	0	2	8	9	9	0	0	0
	1730	46	1001.6	996.5	+2.8	28.5	25.8	24.7	31.1	81	- 2	6.9	-0.1	18.9	0	15	16	00	1	0	2	11	11	6	0	1	0
	2030	46	1003.9	998.7	..	27.0	25.6	25.1	31.8	89	..	5.8	..	13.9	0	6	21	00	0	0	0	11	11	4	1	4	0
	2330	46	1004.2	999.1	..	26.7	25.7	25.3	32.2	92	..	5.9	..	13.4	0	8	17	00	0	0	0	5	16	4	0	6	0
PURI	0830	6	1005.2	1004.5	+3.0	29.0	27.1	26.5	34.4	87	+ 5	5.5	-0.7	19.7	0	9	19	02	0	0	1	3	20	2	0	0	0
	1730	6	1002.0	1001.3	+2.5	28.7	27.0	26.4	34.4	88	+ 5	5.7	-0.6	16.7	0	8	21	01	0	0	0	4	21	0	3	0	0
GOPALPUR	0530	17	1003.4	1001.5	..	26.3	25.2	24.8	31.3	91	..	6.5	..	11.7	0	4	24	02	0	0	0	2	20	2	2	3	0
	0830	17	1005.0	1003.1	+2.6	27.9	25.9	25.0	31.8	85	+ 4	6.3	+0.1	11.6	0	5	23	02	1	0	2	1	19	3	0	3	0
	1130	17	1004.8	1002.9	..	29.3	26.5	25.3	32.3	79	..	6.1	..	17.4	0	11	20	00	0	1	4	6	17	1	2	0	0
	1730	17	1002.4	1000.5	+2.8	28.3	26.1	25.3	32.3	84	- 1	6.5	+0.0	18.8	0	14	17	01	0	0	3	4	20	1	2	0	0
	2330	17	1004.6	1002.7	..	27.3	25.9	25.3	32.3	89	..	5.7	..	13.5	0	8	19	02	0	0	0	4	20	1	0	4	0
KORAPUT	0830	913	1478.1	907.3	+3.0	22.7	21.0	20.1	23.6	86	- 5	6.5	-0.4	19.8	0	12	19	00	1	0	5	2	15	5	3	0	0
	1730	913	1455.4	904.8	+2.6	23.5	21.7	20.8	24.6	86	- 1	6.8	-0.4	17.1	0	5	26	00	1	2	3	1	16	3	5	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST ,1969 SRAVANA 10 - BHADRA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORISSA (CONTD.)																											
PARADIP PORT	0830	11	1004.1	1003.2	..	28.5	26.9	26.2	34.0	87	..	3.3	..	27.0[a]	1	21	9	00	0	0	0	24	4	3	0	0	0
	1730	11	1001.3	1000.4	..	28.4	26.9	26.3	34.2	88	..	3.5	..	32.8[a]	0	27	3	00	0	0	2	22	4	2	0	0	0
ROURKELA	0830	196	1003.9	981.9	..	26.7	25.0	24.2	30.2	86	..	6.0	..	9.9	0	5	18	00	0	0	4	6	5	7	1	8	0
	1730	196	1001.2	979.4	..	27.7	25.3	24.3	30.4	83	..	6.5	..	12.5	0	7	20	00	1	0	1	7	14	4	0	4	0
BHOWANI PATNA	0830		(R)																								
	1730		(R)																								
BIHAR PLATEAU																											
DUMKA	0830	149	1002.9	986.3	+1.4	27.8	24.9	23.6	29.2	79	- 4	6.0	+0.8	4.3	0	0	28	01	4	9	0	2	7	3	2	3	0
	1730	149	999.6	983.0	+1.1	28.6	25.1	23.5	29.0	75	- 7	5.5	+0.1	3.9	0	0	29	00	6	8	3	0	7	4	1	2	0
DALTONGANJ	0830	221	1001.1	976.6	+0.1	28.6	25.9	24.5	30.8	80	- 2	6.6	+0.2	3.8	0	0	30	00	0	0	0	0	10	1	19	1	0
	1730	221	..	..	..	29.1	26.0	24.5	30.8	77	- 4	7.9	+1.0	2.9	0	0	23	00	2	0	0	0	14	4	3	8	0
HAZARIBAGH	0830		..	..	..	..	..	..	..	..	..	6.6	-0.1	4.4	0	0	27	02	0	2	1	5	5	4	8	4	0
	1730		..	..	..	..	..	..	..	..	..	7.5	+0.8	3.2	0	0	21	01	0	1	4	3	2	2	8	10	0
DHANBAD	0830	257	1002.2	973.5	+0.5	26.6	25.1	24.5	30.7	88	+ 3	6.0	-0.6	3.2	0	0	25	00	2	1	8	0	5	6	2	6	1
	1730	257	999.1	970.8	..	28.3	25.7	24.5	30.8	80	..	6.8	..	3.4	0	0	24	00	1	0	13	0	4	2	4	5	0
RANCHI AERODROME	0530	652	1001.3	929.7	..	22.9	22.3	22.1	26.7	95	..	5.9	..	13.4[b]	0	4	23	00	1	1	1	3	14	3	4	4	0
	0830	652	1002.5	931.3	+1.5	24.4	23.2	22.7	27.5	90	+ 4	6.3	-0.8	16.1	0	7	22	01	2	1	2	4	9	6	4	2	0
	1130	652	1001.8	931.1	..	26.6	23.8	22.7	27.6	80	..	6.6	..	17.7	0	11	18	01	2	1	1	5	7	8	4	2	0
	1430	652	999.6	929.1	..	26.6	24.0	22.9	28.0	81	..	6.7	..	16.1	0	7	22	01	2	0	1	8	6	6	5	2	0
	1730	652	999.6	928.8	+1.6	25.4	23.6	22.8	27.8	86	+ 4	7.2	+0.3	16.1	0	7	23	03	0	1	1	8	6	5	6	1	0
	2030	652	1002.1	930.8	..	24.1	23.1	22.6	27.5	92	..	5.8	..	12.3	0	5	22	01	0	0	3	6	10	4	3	4	0
JAMSHEDPUR	0830	129	1003.8	989.3	+2.3	27.1	25.2	24.3	30.3	85	+ 2	6.4	-0.5	4.9[a]	0	1	26	00	2	1	1	0	5	16	2	4	0
	1730	129	1000.9	986.6	+2.9	28.7	25.8	24.6	31.0	79	+ 0	6.9	-0.2	4.0[a]	0	0	24	03	0	3	4	1	2	7	4	6	0
JAMSHEDPUR P.B.O.	0530	142	1001.5	985.6	..	25.7	24.7	24.3	30.4	92	..	7.0	..	2.5	0	1	8	00	1	2	0	0	2	3	1	22	0
	0830	142	1003.0	987.2	+2.1	27.1	25.1	24.3	30.4	85	+ 2	6.6	-0.5	8.2	0	1	27	01	1	0	4	3	10	8	1	3	0
	1130	142	1002.6	986.9	..	29.2	25.9	24.4	30.6	76	..	6.6	..	9.4	0	2	27	00	1	1	0	3	14	9	1	2	0
	1430	142	1000.2	984.5	..	29.7	26.0	24.4	30.7	75	..	6.6	..	9.4	0	1	27	00	0	1	2	4	11	6	4	3	0
	1730	142	999.6	983.9	+1.8	28.4	25.7	24.5	30.9	80	+ 1	7.3	-0.1	8.1[a]	0	1	23	02	1	1	3	3	3	6	5	6	0
	2030	142	1002.1	986.2	..	27.2	25.4	24.6	31.0	86	..	5.7	..	5.6	0	1	18	01	1	1	4	1	8	2	1	12	0
	2330	142	1002.8	986.9	..	26.4	25.0	24.3	30.4	89	..	5.9	..	5.1	0	0	18	00	1	3	2	1	8	3	0	13	0
CHAIBASA	0830	226	..	..	..	26.8	24.7	23.7	29.4	83	- 1	6.4	-0.9	2.9	0	0	25	00	2	0	4	1	14	2	1	6	1
	1730	226	..	..	..	28.0	25.1	23.9	29.6	79	- 3	7.8	+0.3	3.9	0	0	26	00	2	0	3	1	17	1	2	5	0
BIHAR PLAINS																											
MOTIHARI	0830	66	1002.4	995.0	+1.1	28.2	26.6	26.1	33.8	89	+ 7	7.1	+0.8	2.9[c]	0	0	23	00	4	16	0	0	0	3	0	5	0
	1730	66	999.1	991.7	+1.1	29.1	27.3	26.8	35.3	87	+ 7	5.9	+0.3	1.0[a]	0	0	7	00	1	2	0	0	0	4	0	23	0
FORBESGANJ	0830	61	1006.1	996.3	+1.3	29.8	27.1	27.0	32.9	84	- 2	6.5	-0.1	4.3[a]	1	0	27	02	0	23	0	0	0	3	0	2	0
	1730	61	999.5	992.8	+1.1	30.0	26.8	25.4	32.5	77	- 1	4.9	-0.8	2.8[b]	0	0	24	00	2	13	3	1	1	3	1	5	0
DARBHANGA	0830	49	1002.9	997.4	+1.2	29.0	27.0	26.4	34.6	86	+ 2	7.1	+0.6	1.5	0	0	18	00	5	7	5	0	1	0	0	13	0
	1730	49	1000.1	994.6	+1.7	29.9	27.7	26.9	35.4	84	+ 5	4.9	-0.4	0.5	0	0	7	00	2	2	1	0	1	0	1	24	0
MUZAFFARPUR	0830		..	..	..	28.3	27.0	26.5	34.6	90	..	6.3	..	6.3	0	0	28	01	2	14	3	1	3	3	1	3	0
	1730		..	..	..	29.0	27.5	26.9	35.6	89	..	5.3	..	3.1	0	0	23	02	1	6	3	4	2	5	0	8	0
CHAPRA	0830	58	1002.8	996.4	..	28.2	26.6	25.9	33.5	88	..	6.6	..	4.0	0	0	29	01	12	0	0	0	9	0	7	2	0
	1730	58	999.2	992.8	..	29.7	27.1	26.1	33.8	81	..	6.2	..	2.7	0	0	30	00	7	0	4	0	9	0	10	1	0
PURNEA	0830	38	1003.2	998.9	+1.0	26.0	26.5	25.8	33.5	88	+ 3	6.4	+0.0	2.3	0	0	31	01	0	20	1	1	5	3	0	0	0
	1730	38	999.9	995.7	+1.2	29.1	26.7	25.7	33.1	82	+ 0	6.0	+0.4	1.9	0	0	25	02	1	14	2	1	2	3	0	6	0
PATNA AERODROME	0230	60	1000.2	993.5	..	27.1	26.3	26.0	33.5	94	..	6.3	..	7.5	0	1	20	02	1	9	0	2	0	3	4	10	0
	0530	60	1000.5	993.8	..	26.6	25.9	25.6	32.9	94	..	6.7	..	6.5	0	0	23	05	1	10	0	1	3	3	0	8	0
	0830	60	1002.0	995.3	+1.4	28.2	26.4	25.8	33.2	86	+ 1	6.9	+0.4	9.1	0	1	27	00	2	9	4	3	3	5	2	3	0
	1130	60	1001.8	995.1	..	30.0	27.0	25.8	33.3	79	..	6.6	..	10.6	0	2	27	03	1	8	4	3	6	3	1	2	0
	1430	60	999.6	992.9	..	30.0	26.8	25.5	32.7	78	..	6.7	..	10.3	0	3	26	00	3	7	3	2	3	5	6	2	0
	1730	60	999.0	992.3	+1.7	29.3	26.6	25.4	32.6	80	+ 2	6.7	+0.4	7.9	0	1	25	01	1	11	2	2	1	5	3	5	0
	2030	60	1001.1	994.4	..	27.9	26.3	25.6	32.8	88	..	6.2	..	4.6[a]	0	0	17	02	2	6	1	2	0	3	1	14	0
	2330	60	1001.3	994.7	..	27.5	26.4	26.0	33.7	92	..	6.5	..	6.2[a]	0	0	18	01	0	5	3	3	0	2	4	12	0
BHAGALPUR	0530	49	1001.1	995.6	..	26.7	25.9	25.6	32.9	94	..	6.9	..	4.7	0	0	28	01	0	9	14	2	1	0	1	3	0
	0830	49	1002.8	997.3	+1.1	28.2	26.5	25.8	33.2	87	+ 3	6.7	+0.2	7.5	0	1	28	01	0	11	8	2	2	2	3	2	0
	1130	49	1002.5	997.1	..	29.9	27.1	25.9	33.6	80	..	6.5	..	8.5	0	1	30	01	0	11	9	1	5	3	1	0	0
	1730	49	999.6	994.5	+1.6	29.3	27.0	26.0	33.8	83	+ 3	6.5	+0.2	6.3	0	1	26	02	2	9	5	1	3	5	0	4	0
	2330	49	1002.2	996.7	..	27.5	26.4	25.9	33.5	91	..	5.9	..	4.4	0	1	23	00	1	7	9	3	1	3	0	7	0
SABAUR	0830	37	1002.9	998.7	+1.5	28.2	26.6	26.0	33.6	88	+ 2	6.7	-0.1	9.5	0	3	26	04	5	6	8	1	4	1	0	2	0
	1730	37	999.7	995.5	+1.4	29.1	27.1	26.2	34.2	85	+ 1	6.5	-0.2	5.9	0	2	25	00	6	12	0	0	4	2	3	4	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — AUGUST 1969 SRAVANA 10 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or bt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BIHAR PLAINS (CONTD.)																												
JAMUI	0830		(R)																									
	1730		(R)																									
DEHRI	0830	107	1002.0	989.9	+1.4	28.4	26.3	25.4	32.5	84	- 2	6.6	+0.4	3.0	0	0	31	02	3	1	4	5	8	5	3	0	0
	1730	107	998.7	986.7	+1.2	29.8	27.1	26.1	33.7	81	+ 2	6.5	-0.1	2.9	0	0	30	02	4	5	5	2	4	4	4	1	0
GAYA	0230	116	1000.9	987.9	..	26.4	25.8	25.6	32.8	95	..	7.0	..	7.0	0	1	23	00	1	5	2	4	7	5	0	7	0
	0530	116	1001.1	988.0	..	26.0	25.5	25.3	32.3	96	..	6.7	..	7.7	0	2	23	02	2	4	0	7	6	4	0	6	0
	0830	116	1002.7	989.7	+1.7	28.1	26.3	25.5	32.7	86	+ 5	6.7	+0.5	9.9	0	3	24	02	3	4	2	5	6	4	1	3	0
	1130	116	1002.4	989.5	..	30.2	26.9	25.6	32.9	77	..	6.7	..	12.8	0	5	25	01	3	3	1	2	8	10	2	1	0
	1430	116	1000.1	987.3	..	30.5	27.1	25.8	33.2	77	..	6.9	..	12.3	0	4	26	00	2	3	1	2	5	11	6	1	0
	1730	116	999.5	986.6	+1.8	29.5	26.8	25.7	33.1	81	+ 5	7.0	+0.4	9.5	0	3	25	00	2	2	4	3	7	5	5	3	0
	2030	116	1001.5	988.5	..	27.6	26.6	26.3	34.2	92	..	6.9	..	6.6	0	3	19	03	4	2	4	3	3	2	1	9	0
	2330	116	1002.1	989.1	..	27.0	26.3	26.0	33.6	95	..	6.9	..	6.0	0	1	22	01	3	3	4	3	8	1	0	8	0
SUPAUL	0830		..	..	..	27.5	26.9	26.7	34.8	95	..	.	..	6.4	0	0	30	00	0	30	0	0	0	0	0	1	0
	1730		..	..	..	28.9	27.9	27.5	36.7	92	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
UTTAR PRADESH EAST																												
KHERI	0830	147	1001.0	984.6	+0.1	27.6	26.1	25.4	32.5	88	- 1	5.5	+0.0	3.4	0	0	23	00	0	21	0	0	0	1	1	8	0
	1730	147	998.4	982.2	+0.9	30.2	27.1	25.8	33.3	77	- 2	5.2	+0.0	2.8	0	0	20	00	0	16	1	0	0	3	0	11	0
BAHRAICH	0830	124	1001.9	988.1	+1.0	27.9	26.0	25.2	32.1	86	+ 3	7.1	+1.1	7.5	0	2	24	01	1	7	12	0	3	2	0	5	0
	1730	124	999.0	985.3	+1.1	29.7	26.7	25.5	32.6	79	+ 2	6.4	+0.5	4.8	0	0	24	00	1	3	11	0	3	4	2	7	0
NAUTANWA	0830	99	1002.4	991.3	+1.3	27.9	26.0	25.1	31.9	85	+ 1	5.6	+0.3	3.2	0	0	30	00	5	9	10	0	3	0	3	1	0
	1730	99	999.3	988.1	+0.6	29.8	27.0	26.1	33.5	80	+ 2	4.6	-0.2	2.4	0	0	22	01	1	6	6	0	6	0	2	9	0
HARDOI	0830	142	1001.4	985.5	+0.9	28.1	26.3	25.3	32.3	85	- 2	4.9	-0.5	2.9	0	0	26	02	0	14	2	3	2	3	0	5	0
	1730	142	998.7	982.9	+1.2	29.6	26.7	25.5	32.7	80	+ 2	4.5	-0.5	2.5	0	0	23	02	0	7	2	4	1	6	1	8	0
GONDA	0830	110	1002.2	989.9	+0.9	28.2	26.5	25.8	33.2	86	+ 1	6.5	+0.5	2.7	0	0	24	02	1	14	0	1	1	1	4	7	0
	1730	110	999.1	986.9	+1.7	29.6	27.1	26.1	33.8	82	+ 2	5.9	+0.2	1.3	0	0	11	01	0	7	0	0	1	1	1	20	0
LUCKNOW	0830	111	1000.7	988.1	-0.3	27.4	26.0	25.3	32.1	89	+ 4	5.5	-0.5	0.3	0	0	4	00	0	4	0	0	0	0	0	27	0
	1730	111	998.6	986.3	+1.0	30.3	27.0	25.6	32.8	77	- 2	5.6	+0.1	0.2	0	0	2	00	0	2	0	0	0	0	0	29	0
LUCKNOW (AMAUSI)	0230	128	998.4	985.7	..	26.8	26.0	25.6	31.9	93	..	5.3	..	7.2	0	1	23	00	5	6	1	1	5	3	3	7	0
	0530	128	999.9	985.6	..	26.2	25.5	25.2	32.1	95	..	5.7	..	7.5	0	1	22	02	6	3	2	1	6	2	1	8	0
	0830	128	1001.5	987.1	+1.2	27.8	26.0	25.2	32.2	86	- 1	6.2	-0.2	14.5	0	9	22	02	2	8	6	1	5	5	2	0	0
	1130	128	1001.7	987.5	..	30.0	26.8	25.4	32.6	78	..	6.1	..	14.4	0	8	21	00	2	9	3	3	5	6	1	2	0
	1430	128	999.6	985.6	..	30.8	27.1	25.6	32.9	75	..	6.4	..	22.3	1	5	23	01	5	4	4	4	0	8	3	2	0
	1730	128	998.5	984.3	+1.3	30.1	27.0	25.6	32.9	78	- 2	5.7	-0.6	12.0	0	4	24	01	4	7	0	5	3	5	3	3	0
	2030	128	1000.2	986.4	..	28.2	26.7	26.1	33.8	89	..	4.5	..	6.0	0	1	17	01	3	4	0	2	7	1	0	13	0
	2330	128	1001.2	986.9	..	27.3	26.3	25.8	33.2	92	..	4.8	..	6.3	0	2	19	00	4	5	2	2	6	2	0	10	0
FAIZABAD	0830	102	1001.8	990.4	+1.7	27.7	26.2	25.6	32.9	89	+ 1	7.0	+0.3	5.6	0	0	27	00	4	7	7	1	3	5	0	4	0
	1730	102	998.9	987.6	+1.7	29.6	27.4	26.5	34.5	83	+ 2	6.3	+0.0	4.0	0	0	21	01	2	6	2	3	3	4	0	10	0
GORAKHPUR	0830	77	1001.9	993.2	-2.0	28.0	26.3	25.6	32.8	87	+ 3	7.1	+1.2	1.2	0	0	16	02	2	9	0	0	2	1	0	15	0
	1730	77	999.0	990.5	+1.2	29.6	27.1	26.0	33.7	81	+ 2	6.4	+0.9	1.2	0	0	14	00	0	6	1	3	3	1	0	17	0
GORKHPUR P.B.O.	0230	78	1000.3	991.5	..	27.6	26.0	25.5	32.6	88	..	6.0	..	5.5	0	2	18	02	2	8	1	1	4	1	1	10	0
	0530	78	1000.4	991.6	..	27.5	26.1	25.6	32.8	90	..	6.9	..	5.1	0	1	20	00	2	11	2	2	2	0	2	10	0
	1130	78	1001.9	993.1	..	29.4	27.0	26.0	33.7	83	..	7.1	..	7.7	0	1	28	02	1	9	9	0	3	2	3	2	0
	1430	78	999.9	991.2	..	29.8	27.1	26.2	34.2	81	..	7.0	..	7.7	0	2	28	00	3	8	7	2	4	5	1	1	0
	2030	78	1000.7	992.0	..	28.7	26.8	26.2	34.0	87	..	5.2	..	6.0	0	1	24	03	6	4	4	2	4	2	0	6	0
	2330	78	1001.4	992.6	..	28.2	26.5	26.3	33.4	88	..	5.4	..	4.6	0	1	22	02	6	5	3	1	4	1	1	8	0
KANPUR	0830	126	1001.0	986.9	+0.2	27.8	25.8	25.0	31.8	85	- 1	5.5	-0.2	10.1	0	0	30	01	1	12	2	1	1	12	0	1	0
	1730	126	998.4	984.4	+1.0	29.6	26.6	25.4	32.4	79	+ 0	5.1	-0.6	7.9	0	0	29	01	1	9	3	0	1	11	3	2	0
KANPUR (AERODROME)	0530	126	999.9	986.4	..	26.2	25.6	25.3	32.2	95	..	6.0	..	11.7	0	2	26	00	4	5	3	1	2	10	3	3	0
	0830	126	1001.6	987.5	..	27.8	26.1	25.5	32.5	87	..	6.1	..	14.8	0	8	21	02	2	5	4	1	4	9	2	2	0
	1130	126	1001.9	987.9	..	29.9	26.8	25.6	32.8	79	..	6.5	..	16.3	0	10	20	02	3	4	4	1	2	11	2	1	1
	1730	126	998.8	984.9	..	29.6	26.8	25.7	33.0	81	..	5.8	..	14.5	0	5	24	01	1	7	4	2	2	8	4	2	0
	2330	126	1001.3	986.8	..	27.0	26.1	25.7	33.1	93	..	4.9	..	10.0	0	4	19	00	0	7	3	1	3	6	3	7	0
SULTANPUR	0830	97	1002.1	991.3	+1.9	28.6	26.6	25.7	33.1	85	- 2	6.5	+0.0	3.4	0	2	20	01	0	9	0	2	3	6	1	9	0
	1730	97	998.7	988.0	+1.6	29.3	27.1	26.0	33.7	82	- 1	5.8	-0.5	1.5	0	0	16	00	0	8	1	2	0	5	0	14	0
AZAMGARH	0830	78	1001.7	993.0	+1.3	27.7	26.2	25.5	32.7	89	+ 2	6.9	+1.4	3.1	0	0	20	00	0	8	0	2	3	7	0	11	0
	1730	78	998.8	990.1	+1.5	29.3	27.0	26.2	34.0	84	+ 1	7.0	+1.9	2.8	0	0	16	01	0	6	0	1	0	8	0	15	0
FATEHPUR	0830	114	..	..	..	27.7	26.5	26.1	33.8	91	+ 5	6.1	+0.2	3.6	0	0	25	01	3	4	1	0	1	14	1	6	0
	1730	114	..	..	..	30.3	28.1	27.2	36.1	84	+ 3	5.1	-0.8	2.4	0	0	20	00	1	7	0	0	0	10	2	10	0
BALLIA	0830	64	1002.3	993.3	+0.0	28.2	26.6	26.2	34.3	96	+ 8	7.2	+1.2	1.9	0	0	25	00	1	11	5	0	0	7	1	6	0
	1730	64	999.3	992.0	+0.4	29.4	26.7	25.8	33.3	83	+ 4	7.5	+2.0	0.7	0	0	6	00	0	5	0	0	0	1	0	25	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST ,1969 SRAWANA 10 - BHADRA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																											
BANDA	0830	121	1001.5	987.9	+0.8	27.9	26.1	25.3	32.3	86	- 2	5.7	+0.3	2.6	0	0	26	00	2	2	5	0	14	1	2	5	0
	1730	121	999.0	985.6	+1.4	29.8	26.9	25.6	33.0	79	- 3	6.4	+1.4	2.8	0	0	28	01	5	3	2	1	9	2	5	3	0
ALLAHABAD(BAMHRAULI)	0230	98	1000.0	989.0	..	26.8	25.5	24.9	31.6	90	..	6.4	..	2.7	0	1	15	00	3	2	0	3	3	3	2	15	0
	0530	98	1000.0	989.0	..	26.4	25.3	24.8	31.3	91	..	6.8	..	3.2	0	1	16	00	0	5	1	0	2	6	3	14	0
	0830	98	1001.7	990.7	+0.8	27.6	25.8	25.0	31.7	86	+ 1	6.5	-0.3	6.9	0	0	26	01	2	4	1	2	4	8	4	5	0
	1130	98	1001.8	990.9	..	29.9	26.5	25.2	32.0	77	..	6.2	..	7.2	0	0	26	02	2	2	3	4	4	5	4	5	0
	1430	98	999.7	988.9	..	31.0	27.2	25.7	33.1	74	..	6.4	..	7.6	0	1	27	02	3	2	3	1	4	10	3	3	0
	1730	98	998.8	988.0	+1.3	29.9	26.8	25.5	32.6	78	+ 0	6.5	-0.3	4.6	0	0	26	02	5	3	0	1	3	10	2	5	0
	2030	98	1000.5	989.6	..	28.0	26.3	25.6	32.7	86	..	5.9	..	2.9	0	0	13	01	2	2	1	2	3	1	1	18	0
	2330	98	1001.3	990.3	..	27.3	25.8	25.2	32.0	88	..	6.2	..	3.2	0	0	20	01	3	1	1	3	7	2	2	11	0
VARANASI(BABATPUR)	0530	85	1000.6	990.9	..	26.3	25.5	25.1	31.9	93	..	6.4	..	7.0	0	2	16	01	1	5	0	4	2	5	0	13	0
	0830	85	1002.2	992.6	+1.0	28.2	26.2	25.4	32.4	86	+ 1	6.2	-0.2	10.1	0	1	28	00	1	8	0	5	7	6	2	2	0
	1130	85	1002.0	992.5	..	29.9	26.8	25.6	32.8	78	..	6.5	..	12.4	0	1	30	00	1	4	3	3	5	11	3	0	1
	1730	85	999.1	989.6	+1.2	29.4	26.8	25.8	33.2	81	+ 2	6.4	+0.0	8.3	0	0	26	01	3	3	1	1	2	13	2	5	0
	2330	85	1001.6	991.9	..	27.3	26.2	25.8	33.2	92	..	6.3	..	6.2	0	1	15	00	1	5	1	1	2	5	1	15	0
VARANASI	0830	76	1001.8	993.2	+1.0	28.3	26.4	25.6	32.8	86	+ 1	6.6	+0.2	2.6	0	0	27	00	3	2	1	2	8	9	2	4	0
	1730	76	998.7	990.1	+1.0	29.9	27.1	25.8	33.4	79	+ 0	7.6	+1.3	1.7	0	0	24	00	3	4	0	0	2	13	2	7	0
UTTAR PRADESH WEST																											
MUKHIM	0830		..	..	..	19.4	18.5	18.0	20.6	92	+ 2	6.1	..	0.3	0	0	4	00	0	0	1	0	2	1	0	27	0
	1730		..	..	..	20.0	18.6	17.9	20.5	88	+ 5	6.0	..	3.3	0	0	21	02	1	7	0	0	4	7	0	10	0
TEHRI	0830		..	..	..	24.6	22.3	21.3	25.8	82	- 1	6.2	+0.5	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1130		..	..	..	26.8	22.1	19.8	23.2	67	..	5.7	..	2.0	0	0	18	00	0	0	8	0	8	2	0	13	0
	1730		..	..	..	27.9	22.2	19.3	22.5	61	- 2	6.3	+0.8	2.3	0	0	24	00	0	5	4	7	6	0	2	7	0
DEHRA DUN	0530	682	1001.1	926.3	..	23.0	22.4	22.1	26.5	95	..	6.3	..	1.4	0	0	12	05	3	1	2	0	0	0	1	19	0
	0830	682	1001.9	927.3	+0.5	24.0	23.1	22.8	27.7	93	+ 6	6.0	-0.2	1.0	0	0	10	03	0	2	1	3	0	1	0	21	0
	1130	682	1001.8	927.8	..	26.8	24.1	23.0	28.1	81	..	6.1	..	2.2	0	0	19	01	0	1	4	4	6	3	0	12	0
	1730	28	(R)																								
	2330	682	1001.8	927.2	..	24.2	23.4	23.1	28.3	94	..	6.3	..	0.6	0	0	4	00	1	1	0	1	0	1	0	27	0
MANSIARI	0830		(R)																								
	1730		(R)																								
ROORKEE	0830	274	1001.3	970.9	+0.5	27.0	25.3	24.5	30.8	86	+ 2	4.8	-0.7	0.8	0	0	12	00	4	1	5	0	0	0	2	19	0
	1730	274	998.6	968.6	+1.3	30.7	27.0	25.6	32.8	75	+ 2	4.2	-0.8	1.1	0	0	17	00	1	1	5	0	1	0	9	14	0
NAJIBABAD	0830	270	1001.8	972.0	+1.1	26.7	25.3	24.7	31.1	89	+ 4	5.7	+0.7	3.2	0	0	20	02	1	3	12	2	0	0	0	11	0
	1730	270	997.6	969.5	+0.7	29.9	26.7	25.3	32.3	78	+ 4	4.8	+1.0	5.6	0	0	22	01	1	7	5	1	0	5	2	9	0
MEERUT	0830	222	1000.4	975.8	-0.5	28.0	25.4	25.3	32.2	89	+ 6	0.8	-3.4	2.3	0	0	17	01	2	4	3	0	0	4	3	14	0
BAREILLY	0830	173	1001.4	982.1	+0.7	28.2	26.1	25.3	32.4	84	+ 0	5.6	-0.3	3.9	0	0	27	00	2	14	3	0	3	4	1	4	0
	1730	173	998.4	979.4	+1.0	30.0	27.1	26.0	33.7	80	+ 4	5.3	-0.6	3.7	0	0	28	01	2	7	2	1	3	12	0	3	0
BAREILLY P.B.O	0230	172	999.8	980.6	..	27.3	26.2	25.8	33.2	91	..	4.6	..	5.5	0	0	29	00	2	11	6	2	4	3	1	2	0
	0530	172	999.8	980.6	..	26.8	25.8	25.5	32.6	92	..	5.4	..	4.3	0	0	24	02	1	11	4	0	1	5	0	7	0
	1130	172	1001.6	982.5	..	29.8	27.0	26.0	33.8	81	..	6.2	..	6.1	0	0	29	00	2	9	10	0	2	4	2	2	0
	1430	172	..	..	..	..	..	..	..	..	..	5.9	..	8.5	0	1	29	02	0	4	9	5	0	5	5	1	0
	2030	172	..	..	..	..	..	..	..	..	..	4.4	..	7.7	1	2	25	02	5	5	5	3	3	5	0	3	0
	2330	172	1000.7	981.5	..	27.8	26.4	26.0	33.7	90	..	4.9	..	4.5	0	0	27	00	2	8	5	3	4	4	1	4	0
ALIGARH	0830	187	1002.1	980.8	+1.1	28.2	25.8	24.8	31.4	83	+ 0	5.5	+0.1	3.9	0	0	29	00	1	12	4	0	3	9	0	2	0
	1730	187	999.0	978.0	+1.1	31.6	26.7	24.6	31.1	68	- 4	6.2	+0.6	3.6	0	0	29	06	1	5	1	3	0	13	0	2	0
MAINPURI	0830	157	..	..	..	..	..	..	..	..	..	5.0	-0.9	7.7	2	0	24	01	1	11	0	0	0	13	0	5	0
	1730	157	996.2	981.2	+0.3	30.7	27.4	26.1	33.9	77	+ 1	4.8	-0.6	2.0	0	0	15	00	0	9	0	0	0	6	0	16	0
AGRA	0830	169	1001.8	983.0	+1.1	28.6	25.9	24.6	31.1	80	- 1	3.3	-2.2	1.3	0	0	15	00	5	0	2	0	7	0	1	16	0
	1730	169	998.6	980.0	+1.1	31.4	26.6	24.6	30.9	69	- 6	5.7	+0.0	6.1	0	0	24	00	7	0	3	0	12	0	2	7	0
AGRA AERODROME	0230	169	1000.2	981.4	..	26.9	25.5	24.9	31.6	89	..	4.2	..	7.1	0	0	23	01	1	3	4	3	1	6	4	8	0
	0530	169	1000.3	981.4	..	26.3	25.3	24.8	31.4	92	..	5.0	..	8.6	0	2	25	03	1	4	3	3	2	10	1	4	0
	0830	169	1001.7	982.7	..	28.2	26.2	25.2	32.1	84	..	5.6	..	11.2	0	2	26	02	1	6	1	3	1	10	4	3	0
	1130	169	1001.9	983.3	..	31.3	27.1	25.3	32.3	73	..	6.1	..	12.3	0	4	27	07	1	4	5	1	1	6	6	0	0
	1730	169	998.7	980.1	+1.1	31.3	27.0	24.8	31.3	71	..	5.8	..	12.5	0	4	27	03	2	9	1	2	0	9	5	0	0
	2330	169	1001.1	982.3	..	27.8	26.0	25.2	32.2	86	..	4.5	..	8.7	0	1	26	03	1	5	3	4	1	8	2	4	0
ORAI	0830	141	1002.2	986.5	+0.8	28.9	26.3	25.2	32.1	81	- 7	5.8	+0.3	3.7	0	0	31	00	5	4	3	1	4	5	9	0	0
	1730	141	998.9	983.3	+0.7	29.8	26.4	24.8	31.4	76	- 5	6.3	+1.0	4.3	0	0	30	04	3	4	0	4	6	5	4	1	0
JHANSI	0830	251	1001.6	973.7	+0.5	26.7	24.5	23.4	28.9	82	- 2	5.7	-0.2	1.1	0	0	11	00	0	4	0	1	0	6	0	20	0
	1730	251	998.2	970.6	+0.3	29.4	25.7	24.2	30.2	75	- 1	5.3	-1.0	1.0	0	0	12	00	0	2	0	2	0	7	1	19	0
MORADABAD	0830		..	..	..	27.6	26.1	25.5	32.7	89	..	3.6	..	2.9	0	0	23	00	17	1	2	0	0	0	3	8	0
	1730		..	..	..	30.7	27.4	26.1	34.1	78	..	2.9	..	3.9	0	0	27	00	20	1	1	0	0	1	4	4	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST ,1969 SRAVANA 10 - BHADRA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST(CONTD.)																											
UTTAR KASHI	0830		(R)																								
	1730		(R)																								
ASCOT	0830		..	..	..	19.4	18.5	18.0	20.7	92	..	6.4	..	1.4	0	0	17	02	2	2	3	2	2	3	1	14	0
	1730		..	..	..	22.4	20.6	19.8	22.9	86	..	6.0	..	1.6	0	0	21	00	1	5	4	1	2	6	1	10	1
CHARCHULA	0830	0	..	..	..	..	..	..	..	..	..	6.2	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	0	..	..	..	..	..	..	..	..	..	6.2	..	0.8	0	0	3	00	3	0	0	0	0	0	0	28	0
HARYANA(INCLUDING DELHI AND CHANDIGARH)																											
CHANDIGARH	0830	347	1000.8	962.1	+0.1	27.2	25.1	24.1	30.1	84	+ 4	3.9	+0.0	3.1	0	0	15	00	0	12	0	0	1	0	2	16	0
	1730	347	998.3	960.0	+0.7	30.0	25.5	23.4	28.9	68	- 1	3.8	+1.3	4.2	0	1	21	00	0	13	0	0	0	0	9	9	0
AMBALA	0830	272	1000.3	970.3	+0.3	27.3	25.5	24.6	31.0	87	+ 5	2.8	-1.7	1.9	0	0	20	00	3	0	9	0	5	0	3	11	0
	1730	272	998.0	968.4	+1.0	31.6	26.9	24.9	31.5	69	+ 1	2.9	-1.0	1.4	0	0	20	00	1	0	11	0	3	0	5	11	0
AMBALA P.B.O	0230	278	999.6	968.8	..	27.2	25.4	24.8	31.3	87	..	4.7	..	5.4	0	0	22	00	0	1	15	1	1	1	3	9	0
	0530	278	999.7	968.8	..	26.5	25.0	24.5	30.9	89	..	5.0	..	2.6	0	0	15	00	0	0	13	0	0	1	1	16	0
	1130	278	1001.1	970.5	..	30.4	26.8	25.6	32.9	77	..	4.9	..	4.4	0	0	20	00	0	1	10	0	0	4	4	11	1
	1430	278	999.4	969.0	..	32.0	27.2	25.8	33.2	71	..	5.1	..	5.7	0	0	22	01	0	0	9	2	4	4	2	9	0
	2030	278	999.0	968.4	..	29.5	26.5	25.5	32.7	80	..	2.8	..	3.2	0	0	15	02	0	1	7	2	0	0	3	16	0
	2330	278	1000.5	970.1	..	28.3	25.9	25.0	31.8	83	..	3.7	..	4.9	0	0	21	00	0	2	11	0	3	1	4	10	0
AMBALA AERODROME	0530	274	999.8	969.3	..	25.5	24.9	24.7	31.1	95	..	4.4	..	5.1	0	0	17	01	0	4	9	1	1	1	0	14	0
	0830	274	1001.0	970.5	..	27.0	25.6	25.0	31.7	88	..	5.1	..	7.9	0	0	22	00	0	5	9	1	1	5	1	9	0
	1130	274	1000.9	970.9	..	30.6	27.3	26.1	33.8	78	..	4.9	..	10.2	0	0	28	00	0	5	9	3	2	8	0	3	1
	1730	274	998.0	968.2	..	30.9	27.3	25.9	33.5	77	..	4.6	..	9.5	0	0	23	00	3	1	5	2	3	5	4	8	0
	2330	274	1000.1	969.7	..	27.0	25.6	25.0	31.6	89	..	3.6	..	7.8	0	0	21	01	0	4	10	1	2	2	1	10	0
KARNAL	0830	249	1001.0	973.4	+0.9	28.3	25.7	24.4	30.9	80	- 5	3.6	-1.6	3.0	0	0	27	00	3	6	6	1	5	4	2	4	0
	1730	249	997.7	970.6	+0.7	31.7	26.4	23.8	29.7	64	- 7	3.5	-1.7	3.4	0	0	29	02	1	6	3	0	5	9	3	2	0
HISSAR	0530	221	999.8	975.1	..	27.1	26.1	25.7	33.1	92	..	4.5	..	4.9	0	0	23	00	0	3	5	6	8	1	0	8	0
	0830	221	1001.1	976.6	+0.9	28.5	26.9	26.1	34.1	88	+12	3.8	+0.5	5.5	0	0	27	01	0	2	4	4	6	8	2	4	0
	1130	221	1001.2	977.0	..	32.5	28.9	27.5	36.5	75	..	3.7	..	6.6	0	1	25	00	1	1	4	3	8	7	2	5	0
	1430	221	999.2	975.9	..	34.5	29.9	28.2	38.6	69	..	4.3	..	5.3	0	0	25	02	0	2	5	1	5	6	1	6	3
	1730	221	998.1	974.0	+1.0	33.6	29.7	28.3	38.0	75	+12	4.3	+0.2	3.1	0	0	21	01	0	4	4	2	6	3	1	10	0
	2330	221	999.6	975.7	..	29.1	27.4	26.[illegible]	35.2	88	..	2.7	..	6.6	0	1	25	00	1	1	13	4	4	3	0	5	0
NEW DELHI/SAFDARJUNG	0230	216	1000.1	976.0	..	27.8	25.5	24.4	30.7	82	..	3.9	..	7.4	0	0	27	00	4	5	5	3	4	3	3	4	0
	0530	216	1000.1	976.1	..	27.0	25.1	24.2	30.4	85	..	4.1	..	8.0	0	1	23	01	2	5	3	1	7	3	2	7	0
	0830	216	1001.5	977.5	+1.2	28.7	25.5	24.1	30.2	78	+ 1	4.7	-0.7	13.8	0	7	24	00	4	5	4	0	8	7	3	0	0
	1130	216	1001.6	977.8	..	31.7	26.3	23.9	30.0	65	..	4.7	..	14.9	0	9	22	02	0	6	3	2	5	9	3	0	1
	1430	216	999.8	976.2	..	32.8	26.7	24.2	30.2	63	..	5.5	..	13.7	0	5	26	00	6	6	4	0	4	7	4	0	0
	1730	216	998.4	974.8	+1.5	32.4	26.6	24.0	30.1	63	- 2	5.2	-0.3	10.4	0	1	28	01	5	5	1	1	4	7	5	2	0
	2030	216	999.8	975.9	..	30.0	26.3	24.7	31.2	74	..	4.3	..	9.4	0	1	28	00	4	9	4	1	7	3	1	2	0
	2330	216	1000.9	976.9	..	28.7	25.9	24.4	31.1	79	..	4.1	..	8.5	0	0	30	00	3	6	7	5	7	1	1	1	0
PALAM AERODROME	0230	233	1000.1	974.2	..	26.9	25.1	24.2	30.3	86	..	3.6	..	7.8[a]	0	0	24	00	1	3	6	2	6	3	3	6	0
	0530	233	1000.4	974.4	..	26.3	24.8	24.2	30.3	88	..	4.3	..	7.8[a]	0	0	22	00	1	4	3	3	5	5	1	8	0
	0830	233	1001.6	975.7	..	28.4	25.5	24.2	30.3	79	..	4.5	..	13.3	0	7	22	02	1	3	5	3	3	10	2	2	0
	1130	233	1001.6	976.0	..	31.5	26.0	23.5	29.2	65	..	4.8	..	14.1	0	7	23	01	0	3	4	4	1	8	9	1	0
	1430	233	999.9	974.5	..	32.8	26.3	23.4	29.0	60	..	5.6	..	14.6	0	7	22	01	3	7	3	1	1	6	7	1	0
	1730	233	998.5	973.1	..	32.2	26.2	23.5	29.2	63	..	4.6	..	11.7	0	3	24	04	1	6	4	1	1	5	5	4	0
	2030	233	999.8	974.1	..	29.2	25.9	24.5	30.8	77	..	4.3	..	9.2	0	2	26	01	2	7	8	0	4	6	0	3	0
	2330	233	1000.9	975.0	..	27.6	25.6	24.6	31.1	84	..	3.7	..	8.3	0	0	25	00	1	3	7	3	8	2	1	5	0
GURGAON	0830		..	..	..	28.9	25.5	24.0	30.0	76	..	4.4	..	3.0[e]	0	0	21	00	0	4	3	0	3	10	1	10	0
	1730		..	..	..	32.8	26.2	23.1	28.4	60	..	4.4	..	3.6	0	0	19	00	1	4	2	0	3	6	3	9	0
NARNAUL	0830	308	1002.2	968.4	..	29.0	25.4	23.7	29.3	74	..	.	..	3.9	0	0	30	02	0	0	2	5	14	0	7	1	0
	1730	308	998.7	965.3	..	31.7	26.0	23.1	28.4	62	..	.	..	5.1	0	0	31	02	1	0	2	3	16	0	7	0	0
ROHTAK	0830		..	..	..	28.6	25.6	24.4	30.6	78	..	4.3	..	10.5	0	3	28	00	1	9	3	1	6	8	3	0	0
	1730		..	..	..	32.4	26.8	24.5	30.5	64	..	5.0	..	7.3	0	0	31	02	3	7	4	3	4	4	4	0	0
PUNJAB																											
PATHANKOT	0530	312	999.8	965.2	..	26.0	24.9	24.3	30.4	91	..	5.1	..	7.8	0	1	24	04	7	4	0	6	1	2	1	6	0
	0830	312	1001.0	966.4	+0.6	27.6	25.3	24.3	30.5	83	+ 1	5.2	-0.5	6.9	0	0	24	06	4	8	2	3	0	1	0	7	0
	1130	312	1001.0	966.9	..	29.8	26.2	24.8	31.3	75	..	5.3	..	9.2	0	0	28	01	2	8	2	9	4	2	0	3	0
	1730	312	998.1	963.5	-0.5	31.6	26.9	25.0	31.6	69	- 1	4.3	-0.3	10.0	0	2	28	03	4	3	0	6	6	6	2	1	0
	2330	312	999.9	965.5	..	27.8	25.7	24.8	31.4	84	..	3.7	..	5.7[a]	0	1	18	01	7	5	1	4	1	0	0	12	0
AMRITSAR	0530	234	999.4	973.4	..	26.7	25.6	25.1	31.9	91	..	4.3	..	5.5	0	1	17	01	1	7	7	1	1	0	0	12	0
	0830	234	1000.7	974.7	+0.6	28.4	26.2	25.2	32.2	83	+ 1	4.1	+0.1	9.4	0	2	25	00	4	9	7	4	2	1	0	4	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — AUGUST 1969 SRAVANA 10 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
PUNJAB (CONTD)																											
AMRITSAR	1130	234	1000.9	975.3	..	31.9	27.3	25.4	32.5	70	..	4.3	..	10.4	0	1	28	00	1	11	5	5	4	2	1	2	0
	1430	234	999.4	973.9	..	33.6	27.7	25.3	32.4	64	..	4.4	..	10.4	0	6	20	02	0	4	7	1	4	5	3	5	0
	1730	234	997.9	972.3	+1.0	32.6	27.2	25.0	31.6	66	+ 1	4.0	+0.4	9.6	0	2	22	02	0	7	1	0	3	6	5	7	0
	2030	234	998.8	973.0	..	29.9	27.0	25.9	33.3	80	..	2.9	..	11.1[a]	1	1	14	00	3	10	2	1	0	0	0	14	0
ADAMPUR AERODROME	0830	249	1000.8	973.3	..	28.0	26.0	25.2	32.1	85	..	5.1	..	10.0	0	0	30	02	1	11	12	2	0	1	1	1	0
	1730	249	998.4	971.3	..	31.9	27.3	25.4	32.5	70	..	4.7	..	12.2	0	3	28	09	6	0	7	2	1	0	5	0	1
LUDHIANA	0830	247	1000.7	973.7	+0.5	29.2	25.7	24.2	30.2	75	- 4	3.6	-0.8	2.3	0	0	19	00	1	0	15	0	1	0	2	12	0
	1730	247	997.4	970.7	+0.4	32.9	26.3	23.4	28.9	60	- 6	3.9	-0.4	4.1	0	1	27	00	3	0	11	0	3	0	11	3	0
FEROZEPUR	0830	200	1000.9	978.7	+1.4	29.9	27.1	25.9	33.5	80	+ 1	3.4	+0.3	1.7	0	0	21	02	1	1	5	9	2	1	0	10	0
	1730	200	999.4	977.5	+3.3	34.1	28.2	25.8	33.4	63	- 2	3.3	-0.1	1.4	0	0	19	15	1	0	0	0	0	0	3	12	0
HALWARA AERODROME	0530	242	999.6	972.6	..	26.2	24.9	24.3	30.6	90	..	4.5	..	9.6	0	3	19	00	0	6	8	7	1	0	0	9	0
	0830	242	1000.5	973.8	..	29.3	25.8	24.1	30.4	75	..	3.7	..	16.4[a]	0	9	20	00	0	5	13	7	3	1	0	1	0
	1130	242	1000.6	974.3	..	33.0	26.6	23.7	30.0	76	..	4.2	..	45.9	2	10	18	01	1	3	11	4	2	6	2	1	0
	1730	242	997.7	971.5	..	33.1	26.4	23.2	30.0	74	..	4.7	..	24.2	1	8	20	02	0	3	6	1	6	6	5	2	0
	2330	242	999.9	973.2	..	27.8	25.7	24.7	31.1	83	..	3.3	..	10.0	0	2	21	02	1	5	5	3	4	0	3	8	0
PATIALA	0830	251	1001.0	973.3	+0.8	27.7	25.5	24.6	31.0	84	+ 1	4.5	-0.6	4.3	0	0	11	00	0	0	3	0	0	0	8	20	0
	1730	251	998.2	970.9	+1.2	32.4	26.7	24.2	30.3	64	- 3	4.2	-0.8	4.2	0	0	10	00	0	0	3	0	0	0	7	21	0
BHATINDA	0830	211	1000.1	977.1	..	30.8	26.1	24.0	30.0	68	-13	1.3	-1.7	2.9[a]	0	0	24	00	0	0	9	0	13	0	2	6	0
	1730	211	997.2	974.3	..	35.0	27.0	23.6	29.2	54	-15	1.9	-1.3	2.8	0	0	26	02	4	3	3	5	3	1	5	5	0
HIMACHAL PRADESH																											
MANDI	0830	761	1001.7	919.0	+1.1	23.9	22.8	21.9	26.4	90	+ 1	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	761	998.3	916.6	+1.5	27.1	24.8	23.9	29.7	84	+ 6	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BILASPUR	0830	587	1001.9	937.7	+0.9	25.5	24.4	23.9	29.7	89	+ 2	5.0	-1.0	0.3	0	0	4	01	0	2	0	0	1	0	0	27	0
	1730	587	995.6	935.3	+1.3	28.8	25.3	24.0	29.8	75	+ 4	4.5	-0.9	3.0	0	0	18	02	2	0	1	2	6	1	4	13	0
JAMMU AND KASHMIR																											
MISGAR	0830		(R)																								
	1730		(R)																								
GILGIT	0830		(R)																								
	1730		(R)																								
SKARDU	0830		(R)																								
	1730		(R)																								
LEH	0530	3514	(R)																								
	0830	3514	3111.1	667.7	+2.5	13.2	9.5	5.9	9.8	66	+12	3.0	-1.2	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	3514	3071.4	665.5	+3.9	22.3	15.6	12.0	14.1	54	+18	2.1	-2.0	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SRINAGAR	0230	1587	1428.9	834.8	..	20.3	18.1	17.1	19.8	83	..	3.6	..	1.5	0	0	12	00	0	0	3	0	1	0	8	19	0
	0530	1587	1429.5	834.8	..	19.2	17.5	16.7	19.2	87	..	3.4	..	1.5	0	0	14	00	1	0	6	0	0	0	7	17	0
	0830	1587	1439.7	835.9	+0.3	21.7	18.8	17.3	20.0	75	- 4	3.6	-0.8	1.7	0	0	18	01	2	0	5	1	0	0	9	13	0
	1130	1587	1434.6	835.7	..	27.6	20.9	17.7	20.5	56	..	3.2	..	2.3	0	0	19	02	2	0	5	0	1	0	9	12	0
	1430	1587	1416.7	834.3	..	30.0	21.9	18.2	21.1	51	..	3.0	..	2.6	0	0	24	00	1	1	4	1	3	1	13	7	0
	1730	1587	1404.0	832.9	+0.1	28.8	21.3	17.7	20.5	52	- 1	3.3	-0.7	2.1	0	0	17	00	0	0	7	0	0	0	10	14	0
	2030	1587	1416.2	833.7	..	23.9	20.1	18.2	21.1	71	..	2.7	..	1.7	0	0	15	00	1	0	8	0	1	0	5	16	0
	2330	1587	1428.3	834.8	..	21.9	18.9	17.4	20.0	76	..	3.1	..	1.3	0	0	11	00	0	0	5	0	1	0	5	20	0
SRINAGAR AERODROME	0530	1666	1429.7	827.2	..	18.5	16.2	14.7	17.3	80	..	4.1	..	3.7	0	0	15	02	0	1	2	1	4	3	2	16	0
	0830	1666	1439.2	828.4	..	22.7	18.2	15.8	18.2	66	..	4.1	..	6.5	0	0	24	08	1	1	2	3	1	4	4	7	0
	1130	1666	1435.3	828.1	..	26.9	19.3	15.2	17.5	50	..	3.8	..	10.5	0	1	29	04	6	5	3	0	3	2	6	1	1
	1730	1666	1405.9	825.5	..	29.0	19.6	14.5	17.0	43	..	4.1	..	8.9	0	1	27	04	1	5	4	2	3	4	5	3	0
	2330	1666	1429.4	817.5	..	21.5	17.1	14.5	16.8	65	..	3.4	..	6.5	0	0	21	01	2	1	2	1	4	7	3	10	0
GULMARG	0830	2655	3092.1	737.1	-0.3	17.7	14.3	11.9	14.3	72	- 9	3.5	-0.8	1.9	0	0	20	01	7	1	3	0	2	0	6	11	0
	1730	2655	3078.9	735.6	..	20.2	15.9	13.1	15.3	66	..	4.0	..	2.6	0	0	26	00	11	2	4	0	3	0	6	5	0
QAZIGUND	0830	1690	..	..	..	20.4	17.7	16.3	18.4	77	..	3.8	..	4.8	0	1	23	00	7	12	0	0	2	1	2	7	0
	1730	1690	..	..	..	26.1	20.2	17.3	19.8	59	..	3.5	..	13.7[a]	0	8	19	01	0	1	1	0	6	17	1	4	0
BANIHAL	0830		1437.0	831.3	..	20.4	18.7	17.9	20.6	85	..	4.9	..	0.1	0	0	1	00	0	0	0	1	0	0	0	29	0
	1730		1412.1	829.3	..	23.1	20.8	18.7	21.7	68	..	5.2	..	1.3	0	0	8	00	0	0	0	8	0	0	0	23	0
JAMMU	0830	366	999.9	960.4	..	27.2	25.1	24.2	30.2	85	+ 4	4.2	-0.7	..	.	..	..	00	0	0	0	0	0	0	0	0	0
	1730		(R)																								
JAMMU AERODROME	0530	292	999.9	968.3	..	26.3	24.6	23.8	29.6	86	..	4.7	..	5.6	0	0	18	01	8	3	5	0	1	0	0	13	0
	0830	292	1001.1	968.6	..	27.6	25.3	24.3	30.4	82	..	4.7	..	6.6	0	0	25	00	6	6	10	2	0	0	1	6	0
	1130	292	1001.1	969.6	..	30.7	26.6	24.8	31.4	73	..	4.3	..	9.3	0	2	27	00	0	2	9	12	1	5	0	2	0
	1730	292	998.3	966.4	..	32.0	26.7	24.5	30.8	65	..	4.3	..	7.5	0	0	27	01	1	1	3	14	4	3	0	4	0
	2330	292	1000.2	967.7	..	27.8	25.6	24.6	31.0	83	..	3.5	..	3.1	0	0	10	00	5	1	2	1	0	1	0	21	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS AUGUST 1969 (SRAVANA 10 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD.)																											
GULMARG (RESEARCH INSTITUTE)	0830		3102.0	737.9	..	17.0	13.5	10.6	13.2	68	..	3.7	..	1.4	0	0	14	00	0	7	2	1	0	4	0	17	0
	1130		3110.2	738.4	..	19.8	15.9	13.5	15.8	69	..	4.3	..	2.4	0	0	25	02	1	7	2	2	0	9	2	6	0
	1730		3091.4	736.8	..	19.4	15.7	13.3	15.6	70	..	4.0	..	2.7	0	0	28	01	0	17	2	0	0	8	0	3	0
RAJASTHAN, WEST																											
GANGANAGAR	0530	177	998.9	979.3	..	28.5	24.9	23.1	28.4	73	..	2.0	..	0.6	0	0	5	00	0	0	0	0	5	0	0	26	0
	0830	177	1000.0	980.4	+0.6	30.2	25.1	22.7	27.9	65	- 3	2.2	+0.4	2.2	0	0	19	00	0	0	2	2	13	2	0	12	0
	1130	177	1000.3	981.0	..	34.4	26.0	22.2	26.9	51	..	2.5	..	2.6	0	0	21	00	0	0	3	1	12	5	0	10	0
	1730	177	997.0	977.8	+0.9	36.0	26.6	22.2	27.1	48	- 8	3.7	+0.8	2.0	0	0	19	01	1	1	2	0	8	6	0	12	0
	2330	177	998.9	979.5	..	31.1	25.7	23.4	29.1	65	..	1.2	..	0.8	0	0	5	00	1	0	4	0	0	0	0	26	0
ANUPGARH	0830		(R)																								
	1730		(R)																								
CHURU	0830	291	1001.6	969.4	+1.3	28.7	25.5	24.0	29.9	77	- 2	3.7	-0.8	15.2	0	8	21	00	0	1	0	1	8	18	1	2	0
	1730	291	997.8	966.5	+1.1	34.4	27.5	24.6	31.2	59	- 2	4.5	-0.7	9.9a	0	3	26	04	2	1	1	2	6	10	3	2	0
BIKANER	0830	224	1001.6	976.8	+1.5	29.7	25.3	23.3	28.6	69	- 3	3.9	+1.6	9.9	0	1	27	00	1	0	0	4	17	4	2	2	0
	1730	224	998.5	974.2	+1.9	35.5	26.5	22.5	27.4	49	- 4	4.0	+1.0	8.6	0	0	29	01	1	0	1	8	15	3	0	2	0
BIKANER P.B.B.	0530	224	999.9	975.0	..	28.7	23.7	21.3	25.4	64	..	3.3	..	8.3	0	0	29	00	0	0	0	5	20	4	0	2	0
	1130	224	1001.3	976.8	..	33.5	25.2	21.1	25.2	50	..	3.3	..	9.2	0	0	29	00	1	0	0	3	18	5	2	2	0
	1430	224	999.2	974.9	..	36.4	25.7	20.6	24.4	41	..	4.3	..	8.1	0	1	30	00	1	0	3	4	14	6	3	0	0
	2030	224	998.9	975.8	..	33.3	24.9	20.4	24.2	51	..	3.1	..	7.7	0	1	29	00	0	0	2	12	13	3	0	1	0
	2330	224	999.9	975.4	..	31.2	24.3	20.8	24.7	56	..	2.0	..	10.1	0	4	25	00	0	0	0	8	21	0	0	2	0
NAGAUR	0830	298	1002.0	969.1	+1.8	28.3	24.5	22.6	27.6	72	- 2	5.0	+0.3	9.0	0	0	31	00	0	0	0	12	13	3	3	0	0
	1730	298	998.6	966.2	+2.3	33.3	25.6	21.9	26.5	56	- 2	5.1	-0.3	9.0	0	0	31	02	1	0	0	12	13	1	2	0	0
PHALODI	0830	234	1002.3	976.9	+1.9	27.9	24.3	22.7	27.7	74	- 7	4.1	-0.3	14.1	0	5	26	00	0	0	0	3	18	10	0	0	0
	1730	234	999.9	974.6	+1.8	34.7	25.7	21.4	25.8	49	-11	4.1	-0.2	12.2	0	4	27	00	0	1	2	14	12	2	0	0	0
JAISALMER	0830	142	1001.0	974.3	+1.5	26.6	23.9	22.6	27.4	79	+ 0	2.0	-1.3	20.3	0	13	18	00	0	0	1	11	19	0	0	0	0
	1730	142	997.2	971.2	+1.2	35.9	26.7	22.5	27.3	47	-12	1.4	-2.0	18.7	0	13	18	00	0	1	3	12	15	0	0	0	0
JODHPUR	0230	224	1001.0	976.1	..	27.6	24.2	22.1	26.7	71	..	4.1	..	15.4	0	5	25	00	0	0	0	1	21	8	0	1	0
	0530	224	1001.3	976.3	..	27.1	23.5	21.7	26.1	74	..	4.3	..	15.4	0	4	27	00	0	0	0	1	17	12	1	0	0
	0830	224	1002.8	977.9	+1.5	28.0	24.1	21.9	26.3	71	-10	4.9	-1.0	18.3	0	7	24	00	0	0	0	0	20	9	2	0	0
	1130	224	1002.8	978.1	..	31.6	24.6	21.3	25.4	56	..	5.3	..	16.8	0	6	25	00	0	0	0	0	19	12	0	0	0
	1430	224	1000.8	976.3	..	33.8	25.4	21.2	25.6	49	..	5.7	..	17.5	0	8	23	00	0	1	1	2	19	7	1	0	0
	1730	224	999.3	974.8	+1.3	33.7	25.2	21.1	25.2	49	-12	5.6	-0.2	15.5	0	6	25	01	0	0	2	3	19	4	2	0	0
	2030	224	1000.8	976.1	..	31.0	24.7	21.7	26.4	60	..	4.7	..	15.9a	0	10	20	00	1	1	0	6	19	3	0	1	0
	2330	224	1001.7	976.8	..	29.3	24.3	21.8	26.3	66	..	4.2	..	15.8a	0	3	27	01	0	0	0	5	20	4	0	0	0
BARMER	0530	194	1000.6	978.9	..	26.8	23.9	22.5	27.3	77	..	3.8	..	7.1	0	0	28	00	0	0	0	3	20	5	0	3	0
	0830	194	1002.0	980.3	+1.0	27.7	24.4	22.8	27.8	75	- 6	4.5	-0.8	5.2	0	0	26	00	0	0	0	3	21	2	0	5	0
	1130	194	1001.9	980.5	..	31.6	24.9	21.8	26.2	57	..	4.5	..	6.7	0	0	29	00	0	0	1	2	24	2	0	2	0
	1730	194	998.2	977.0	+0.5	35.0	25.9	21.8	26.2	48	-11	4.7	-0.2	6.5	0	0	29	00	0	0	2	3	21	3	0	2	0
	2330	194	1001.2	979.7	..	30.1	24.5	21.8	26.3	62	..	3.0	..	7.4	0	0	29	00	0	0	0	2	19	8	0	2	0
JAWAI BANDH	0830	295	..	..	..	..	..	..	..	..	..	5.1	-1.5	0.5	0	0	6	00	0	0	0	1	4	1	0	25	0
	1730	295	1000.6	968.5	+2.1	29.4	24.8	22.7	27.6	68	- 1	6.4	-0.2	3.7	0	0	26	00	0	0	3	10	9	4	0	5	0
JALORE	0830		..	..	..	27.6	24.0	22.3	26.9	73	..	5.3	..	7.9	0	0	31	00	0	2	4	5	13	6	1	0	0
	1730		..	..	..	32.6	24.9	21.1	25.4	53	..	4.7	..	10.7	0	3	28	00	0	0	10	3	16	2	0	0	0
RAJASTHAN, EAST																											
PILANI	0830	301	1001.6	968.2	+0.0	27.4	24.3	22.8	27.8	77	+ 0	4.2	+1.0	13.0	0	8	22	01	2	1	1	2	13	8	2	1	0
	1730	301	998.3	965.8	+1.2	33.3	25.5	21.7	26.3	53	-13	5.3	+1.3	11.3	0	3	28	02	2	5	4	1	7	7	3	0	0
SIKAR	0830	433	1001.0	954.1	+1.0	27.0	23.6	21.5	25.9	73	-10	2.4	-2.6	0.2	0	0	1	00	0	0	0	0	0	0	0	30	0
	1730	433	997.5	950.9	+0.5	32.8	25.2	21.3	25.6	54	-13	3.1	-2.3	0.3	0	0	5	00	0	0	0	0	0	5	0	26	0
ALWAR	0830	271	1000.9	970.9	+1.3	28.5	25.2	23.6	29.3	76	- 5	5.1	-0.4	1.7	0	0	18	02	3	2	1	0	1	7	2	13	0
	1730	271	997.8	968.3	+0.8	32.2	26.3	23.6	29.3	62	-12	5.2	-0.4	1.5	0	0	22	01	3	2	1	0	6	6	3	9	0
JAIPUR (SANGANER)	0230	390	1000.3	957.2	..	25.9	24.1	23.2	28.5	86	..	5.2	..	4.6	0	0	22	00	1	1	0	0	8	9	3	9	0
	0530	390	1000.6	957.4	..	25.1	23.7	23.0	28.2	88	..	5.3	..	4.8	0	0	24	01	0	0	0	2	7	8	6	7	0
	0830	390	1001.8	958.8	+0.6	27.3	24.4	23.0	28.2	78	- 4	5.2	-0.4	10.7	0	1	29	01	2	0	0	1	4	19	3	1	0
	1130	390	1001.7	959.2	..	30.3	24.9	22.4	28.4	62	..	5.7	..	29.5	1	6	24	02	2	0	0	0	6	16	5	0	0
	1430	390	999.8	957.5	..	32.0	25.4	22.3	27.1	59	..	6.3	..	12.2	0	3	25	01	2	1	0	0	8	14	2	3	0
	1730	390	998.6	956.2	+0.8	30.9	25.0	22.2	27.0	63	- 8	6.3	+0.0	10.9	0	1	29	03	2	0	0	2	13	7	3	1	0
	2030	390	1000.2	957.4	..	28.3	24.8	23.2	28.6	75	..	5.7	..	5.5	0	0	25	01	0	0	0	4	14	4	2	6	0
	2330	390	1001.2	958.2	..	27.0	24.5	23.3	28.7	81	..	5.6	..	4.8	0	1	22	01	0	1	0	3	10	6	2	8	0
DHOLPUR	0830	176	1001.3	981.7	+1.4	28.2	25.5	24.2	30.3	81	- 4	3.0	-3.1	2.1	0	0	11	00	0	2	0	0	0	8	1	20	0
	1730	176	998.1	978.7	+1.1	31.5	26.8	24.8	31.2	69	- 8	2.4	-3.9	1.0	0	0	9	01	0	2	1	0	0	5	0	22	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — AUGUST 1969 (SRAVANA 10 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mb. At station level	Mean pressure in mb. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN EAST (CONTD)																											
AJMER	0830	486	1002.5	949.1	+1.2	26.4	23.3	21.9	26.5	77	- 3	5.5	-0.5	16.2	0	11	20	00	0	0	1	0	13	14	3	0	0
	1730	486	1000.2	947.5	+1.9	30.8	24.7	21.7	26.2	61	- 5	5.3	-0.6	12.5	0	5	26	00	3	1	0	0	13	12	2	0	0
TONK	0830	272	1001.4	971.4	+2.2	27.7	25.2	24.0	29.9	81	- 7	5.0	-0.7	6.6	0	0	31	01	0	1	0	0	1	24	4	0	0
	1730	272	998.2	968.4	+1.9	31.3	26.0	23.7	29.5	67	-10	5.5	+0.1	7.8	1	0	29	02	0	0	1	1	5	16	5	1	0
BHILWARA	0830	425	1003.2	956.2	..	26.0	23.8	22.8	27.7	83	..	6.4	..	8.1	0	0	31	01	1	0	0	1	21	4	3	0	0
	1730	425	1000.3	953.9	..	28.5	24.5	22.3	27.1	70	..	6.6	..	7.0	0	1	28	00	0	0	3	1	18	3	4	2	0
KOTA	0830	257	1002.4	973.9	+1.1	27.3	25.2	24.2	30.2	83	+ 2	6.2	+0.1	8.2	0	1	27	13	0	0	0	0	3	6	6	3	0
	1730	257	999.8	971.6	+1.5	30.0	26.2	24.5	30.9	74	+ 5	6.3	-0.3	6.3	0	1	23	10	0	0	0	0	3	5	6	7	0
KOTA AERODROME	0530	274	1001.4	970.7	..	25.6	23.8	22.9	28.0	85	..	5.4	..	15.6	0	10	21	00	0	0	0	0	8	20	3	1	0
	0830	274	1002.9	972.4	..	27.1	24.4	23.1	28.3	80	..	5.6	..	17.8	0	12	19	01	0	0	0	0	12	14	4	0	0
	1130	274	1003.1	972.8	..	29.3	24.9	22.9	28.0	70	..	6.0	..	20.5	0	18	13	01	0	0	0	0	5	15	10	0	0
	1730	274	1000.0	969.9	..	30.1	25.0	22.6	27.5	67	..	6.0	..	17.5	0	13	17	02	1	1	0	1	8	9	8	0	0
	2330	274	1002.5	971.9	..	26.5	24.3	23.3	28.6	83	..	5.5	..	17.8	0	13	18	00	0	0	0	1	15	13	2	0	0
CHAMBAL (RAWAT BHATTA DAM)	0830	351	1003.3	963.9	+1.4	25.9	24.0	23.1	28.3	86	- 1	5.7	+0.1	4.7	0	1	21	01	0	0	0	0	10	5	6	8	0
	1730	351	1000.3	961.7	+1.7	28.8	25.2	23.5	28.9	75	- 3	5.9	-0.5	5.5	0	1	26	02	0	0	0	1	17	3	4	4	0
UDAIPUR	0230	582	1002.6	938.6	..	24.1	22.5	21.7	26.0	87	..	5.9	..	1.7	0	0	12	00	0	0	0	1	10	1	0	19	0
	0530	582	1002.6	938.5	..	23.7	22.1	21.3	25.4	86	..	5.8	..	3.4	0	0	15	00	0	0	0	2	5	8	0	14	0
	0830	582	1003.9	940.0	+1.9	24.8	22.5	21.4	25.5	81	+ 0	5.9	-0.8	2.2	0	0	18	00	0	0	1	1	13	2	1	13	0
	1130	582	1003.9	940.4	..	26.9	23.3	21.7	26.0	74	..	6.2	..	4.6	0	0	27	00	0	2	0	4	15	6	0	4	0
	1730	582	1001.6	938.2	+2.0	27.0	23.5	22.0	26.5	76	+ 1	6.8	-0.1	4.1	0	0	28	00	0	1	1	3	17	5	1	3	0
	2330	582	1003.7	939.7	..	24.6	22.7	21.9	26.3	86	..	6.1	..	3.3	0	0	15	00	0	0	0	5	6	4	0	15	0
JHALAWAR	0830	321	1003.7	967.9	+1.9	25.7	24.0	23.1	28.2	85	+ 0	6.1	+0.3	3.9	0	0	23	00	0	0	0	0	13	10	0	8	0
	1730	321	1000.4	965.1	+1.8	28.6	24.9	22.8	27.9	72	- 1	6.2	+0.5	5.1	0	0	24	02	0	0	0	0	10	11	1	7	0
BANSWARA	0830	220	1004.1	979.5	..	25.4	21.0	18.2	20.9	66	..	3.3	..	2.2	0	0	31	00	0	0	0	0	31	0	0	0	0
	1730	220	1001.7	977.3	..	28.3	22.2	18.7	21.9	57	..	3.4	..	2.1	0	0	31	00	0	0	0	0	20	11	0	0	0
DUNGARPUR	0830		(R)																								
	1730		(R)																								
BUNDI	0830		(R)																								
	1730		(R)																								
SAWAI MADHOPUR	0830		(R)																								
	1730		(R)																								
MADHYA PRADESH, WEST																											
GWALIOR	0230	207	1000.2	977.1	..	26.4	25.0	24.4	30.6	89	..	5.2	..	7.0	0	0	25	02	2	0	0	6	7	6	2	6	0
	0530	207	1000.3	977.1	..	26.0	24.7	24.1	30.1	90	..	5.9	..	5.9	0	0	26	01	2	1	1	3	6	8	4	5	0
	0830	207	1001.7	979.0	+1.3	27.9	25.6	24.6	30.9	83	+ 1	6.3	-0.1	7.5	0	0	30	04	2	2	0	1	1	16	4	1	0
	1130	207	1001.8	979.0	..	30.6	26.7	25.1	31.9	73	..	6.1	..	9.2	0	0	29	04	1	2	0	0	0	12	10	2	0
	1430	207	999.9	977.2	..	31.6	27.1	25.3	32.2	70	..	5.9	..	9.7	0	0	31	02	5	3	0	0	1	24	7	0	0
	1730	207	999.0	976.2	+1.3	29.7	26.5	25.2	32.0	78	+ 3	6.4	-0.2	6.7	0	0	30	02	5	2	1	1	2	14	3	1	0
	2030	207	1000.6	977.6	..	27.8	25.9	25.1	31.9	86	..	5.5	..	5.4	0	0	24	00	3	1	2	4	6	7	1	7	0
	2330	207	1001.3	978.2	..	26.9	25.5	24.9	31.6	90	..	5.3	..	5.8	0	0	26	00	2	1	1	7	12	3	0	5	0
SHEOPUR	0830	235	1002.6	976.3	+1.7	26.3	24.9	24.3	30.4	89	+ 1	6.0	-0.9	8.3	0	1	29	02	0	1	0	17	5	5	0	1	0
	1730	235	999.5	973.6	+1.9	29.9	26.3	24.8	31.3	76	- 2	5.9	-0.3	9.4	0	3	26	04	3	2	0	1	8	6	4	2	1
SHIVPURI	0830	464	1002.0	950.6	..	25.0	23.6	23.0	28.1	89	..	6.8	..	5.8	0	0	31	00	3	0	0	0	13	13	2	0	0
	1730	464	999.0	948.2	..	27.5	24.4	23.1	28.3	79	..	7.1	..	7.3	0	0	31	02	5	0	0	1	7	14	2	0	0
NOWGONG	0830	229	1002.5	977.0	+1.3	26.9	25.2	24.4	30.6	87	+ 2	6.2	-0.1	5.2	0	0	28	02	1	1	0	2	16	4	2	3	0
	1730	229	999.6	974.4	+1.7	29.3	26.0	24.5	30.7	77	+ 0	6.3	-0.1	4.8	0	0	26	06	1	1	0	1	1	15	1	5	0
GUNA	0530	478	1002.0	948.9	..	23.4	22.8	22.5	27.2	95	..	6.4	..	7.1	0	1	27	01	0	1	0	1	8	17	0	3	0
	0830	478	1003.2	950.3	+1.2	24.8	23.5	22.9	27.9	90	+ 2	6.2	+0.1	6.2	0	0	31	00	0	0	0	3	4	24	0	0	0
	1130	478	1003.0	950.5	..	27.2	24.5	23.4	28.9	81	..	6.3	..	9.2	0	1	30	01	1	0	0	1	6	16	6	0	0
	1430	478	1001.2	948.9	..	28.3	24.8	23.4	28.7	77	..	6.4	..	9.8	0	2	28	02	0	0	0	0	2	18	8	1	0
	1730	478	1000.1	947.7	+1.1	27.5	24.4	23.1	28.1	79	- 1	6.6	+0.1	7.0	0	0	30	06	0	0	0	0	4	19	1	1	0
	2330	478	1003.1	950.1	..	24.5	23.3	22.7	27.7	90	..	5.9	..	5.7	0	1	28	00	0	0	0	4	12	12	1	2	0
NIMACH	0830	496	1004.5	949.6	+1.6	24.3	22.8	22.1	26.6	88	+ 2	5.7	-1.2	15.1	0	5	24	00	1	0	0	0	8	20	0	0	0
	1730	496	1001.9	947.5	+1.4	26.5	23.6	22.2	26.9	79	+ 4	6.7	+0.0	11.7	0	3	25	00	1	0	0	0	15	12	0	2	0
RAJGARH	0830	382	1003.0	960.5	+1.3	24.7	23.7	23.3	28.5	92	+ 4	6.6	-0.3	12.4	0	3	27	00	0	0	1	2	2	23	2	1	0
	1730	382	1000.6	958.5	+1.7	27.7	24.6	23.2	28.5	78	+ 1	6.5	-0.3	14.2	0	7	22	02	0	0	1	0	2	21	3	2	0
SAGAR	0830	551	1002.8	942.2	+1.3	25.0	22.8	21.8	26.3	84	- 6	5.6	-1.3	7.7	0	0	31	00	5	6	0	0	6	11	3	0	0
	1730	551	998.1	938.4	+0.1	27.8	24.2	22.6	27.6	75	- 7	5.0	-1.7	8.8	0	0	31	00	11	11	0	0	3	5	1	0	0
RATLAM	0830	486	1004.9	950.9	+1.9	24.0	22.7	22.2	27.2	97	+ 4	7.4	-0.3	13.8	0	7	24	01	1	0	0	1	6	18	4	0	0
	1730	486	1002.2	948.7	+1.9	26.4	23.9	22.8	27.9	81	+ 3	7.4	+0.0	13.3	0	4	26	01	0	1	0	0	2	25	1	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST 1969 (SRAVANA 10 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, WEST (CONTD)																											
BHOPAL (BAIRAGARH)	0530	523	1002.6	944.7	..	23.3	22.3	21.8	26.2	92	..	7.3	..	12.6	0	6	23	00	0	0	0	2	1	17	9	2	0
	0830	523	1002.9	944.7	..	23.0	22.1	21.7	26.0	93	..	7.2	..	13.0	0	6	23	00	0	0	1	2	1	16	9	2	0
	0830	523	1004.1	946.3	+1.3	24.2	22.8	22.1	26.6	88	+ 0	7.1	+0.1	16.6	0	6	25	01	0	0	1	1	2	13	13	0	0
	1130	523	1004.0	946.5	..	26.3	23.6	22.5	27.3	80	..	7.2	..	17.6	0	12	19	01	0	0	1	0	2	12	15	0	0
	1430	523	1001.8	944.7	..	27.6	24.0	22.5	27.3	75	..	7.3	..	18.8	0	18	13	02	1	0	0	1	0	12	15	0	0
	1730	523	1001.1	943.8	+1.6	26.4	23.5	22.3	26.9	79	+ 3	7.5	+0.7	16.1	0	11	18	02	0	0	0	2	1	7	17	2	0
	2030	523	1003.0	945.5	..	24.5	23.1	22.5	27.2	89	..	7.4	..	11.1	0	2	26	01	0	0	2	1	5	13	6	3	0
	2330	523	1004.0	946.1	..	23.9	22.7	22.2	26.8	91	..	7.2	..	11.7	0	4	25	00	0	0	1	1	4	17	6	2	0
UJJAIN	0830	489	1004.8	950.4	..	24.1	23.0	22.5	27.3	91	..	7.1	..	12.5	0	6	24	00	0	0	1	0	1	23	5	1	0
	1730	489	1002.1	948.2	..	26.2	23.8	22.7	27.7	82	..	7.5	..	16.3	0	9	20	00	0	1	0	0	0	21	7	2	0
NARSINGHPUR	0830	356	1003.5	963.9	..	25.1	23.7	23.1	28.2	89	..	5.4	..	3.1	0	0	30	00	0	0	0	0	18	11	1	1	0
	1730	356	1000.6	961.4	..	27.9	24.4	22.8	28.0	76	..	6.5	..	3.1	0	0	31	01	0	0	1	0	28	1	0	0	0
HOSHANGABAD	0830	302	1004.6	970.8	+1.9	24.7	23.5	22.9	27.6	90	+ 1	6.7	-0.4	4.0	0	0	30	00	0	0	10	0	16	0	4	1	0
	1730	302	1001.8	968.4	+2.5	28.1	24.4	22.6	27.5	74	- 4	6.4	-0.5	3.7	0	0	31	00	1	0	3	0	12	0	15	0	0
INDORE	0530	567	1003.5	940.6	..	22.3	21.6	21.2	25.2	94	..	7.1	..	17.4	0	13	16	00	0	0	0	1	17	11	0	2	0
	0830	567	1004.7	941.9	+1.4	23.4	22.3	21.7	26.0	91	+ 3	7.0	-0.1	20.0	0	16	14	00	0	0	1	0	15	11	3	1	0
	1130	567	1004.8	942.5	..	25.7	23.1	21.9	26.3	81	..	7.2	..	21.2	0	20	9	00	0	0	0	2	9	15	3	2	0
	1730	567	1002.1	939.9	+1.9	25.6	22.9	21.7	25.9	80	+ 3	7.5	+0.7	20.4	0	16	14	00	0	1	1	0	7	17	3	1	1
	2330	567	1004.7	942.0	..	23.0	22.0	21.6	25.8	92	..	7.3	..	13.5	0	5	22	01	0	0	0	1	18	7	0	4	0
RAJPUR (JHABUA)	0830	293	1005.8	972.9	+1.9	24.9	23.5	22.9	28.0	89	- 1	6.8	-0.6	14.0	0	8	22	00	0	0	0	0	15	15	0	1	0
	1730	293	1002.9	970.5	+2.2	27.8	24.6	23.1	28.2	76	- 1	6.7	-0.1	11.5	0	2	27	00	0	0	0	0	7	21	1	2	0
CHHINDWARA	0530	685	1004.3	929.2	+2.0	23.6	22.2	21.5	25.7	89	+ 2	6.1	-0.5	7.5	0	0	31	00	0	0	0	0	1	27	3	0	0
	1730	685	1001.7	927.1	+2.3	25.0	22.6	21.4	25.6	81	+ 2	6.8	+0.0	4.9	0	0	31	04	0	4	0	0	0	22	1	0	0
SEONI	0830	619	1004.2	936.2	+2.0	24.0	22.6	22.0	26.5	89	+ 3	6.7	-0.2	9.5	0	1	28	01	0	0	0	3	13	11	1	2	0
	1730	619	1001.1	933.8	+2.1	26.0	23.2	22.0	26.4	79	+ 0	7.2	+0.1	9.9	0	3	25	02	0	0	0	2	4	18	2	3	0
BETUL	0830	653	1005.7	933.7	+2.0	23.4	22.2	21.7	26.0	90	- 1	6.5	-1.2	4.1	0	0	31	01	0	0	3	0	15	2	10	0	0
	1730	653	1002.2	930.8	+2.1	24.6	22.7	21.7	26.1	85	+ 4	7.3	-0.3	5.8	0	0	31	03	3	0	1	4	2	8	10	0	0
KHANDWA	0830	318	1005.0	969.4	+1.7	25.0	23.6	22.9	28.0	88	+ 4	5.9	-0.8	4.1	0	0	27	00	0	0	0	1	12	11	3	4	0
	1730	318	1001.9	966.7	+1.8	27.4	24.5	23.1	28.2	79	+ 6	7.1	+0.2	5.5	0	0	29	02	0	0	0	1	8	11	7	2	0
TIKAMGARH	0830	346	1003.0	964.6	..	26.1	24.2	23.2	28.5	84	..	5.8	..	9.5	0	3	27	05	1	0	0	2	7	13	2	1	0
	1730	346	999.9	961.8	..	28.6	25.0	23.4	28.8	75	..	6.1	..	7.2	0	3	26	07	1	0	0	3	8	6	4	2	0
SHAJAPUR	0830	446	..	..	..	24.5	23.0	22.3	27.0	88	..	6.5	..	9.5	0	2	27	00	0	0	0	1	1	22	5	2	0
	1730	446	..	..	..	26.5	23.4	21.9	26.3	77	..	7.0	..	9.7	0	2	29	02	0	0	1	0	1	22	5	0	0
KANNOD	0830	353	1006.5	966.9	..	24.0	23.2	22.8	27.8	93	..	6.1	..	5.6	0	0	31	00	1	1	1	1	13	13	1	0	0
	1730	353	1003.6	964.2	..	27.3	24.2	22.9	28.0	80	..	6.4	..	8.4	0	1	30	00	0	0	0	1	10	14	6	0	0
MADHYA PRADESH, EAST																											
SATNA	0530	317	1000.8	965.5	..	25.2	24.2	23.7	29.3	91	..	6.0	..	3.9	0	0	23	01	0	0	1	1	5	13	2	8	0
	0830	317	1002.3	967.0	+1.4	26.6	24.7	23.8	29.6	85	+ 0	6.2	-0.3	3.1	0	0	27	00	0	2	0	3	3	18	1	4	0
	1130	317	1002.1	967.1	..	28.7	25.5	24.1	30.1	77	..	5.7	..	7.8	0	1	29	01	1	0	1	1	7	14	5	1	0
	1430	317	999.9	965.1	..	29.4	25.6	23.9	29.7	73	..	5.9	..	8.5	0	0	31	01	1	1	2	1	12	9	4	0	0
	1730	317	999.3	964.3	+1.3	28.2	25.4	24.1	30.1	79	+ 0	6.0	-0.6	4.2	0	0	28	02	1	1	0	2	6	12	4	3	0
	2330	317	1001.8	966.6	..	26.0	24.8	24.3	30.4	91	..	4.9	..	2.6	0	0	16	01	0	1	1	2	6	5	0	15	0
REWA	0830	299	1001.9	968.7	..	26.9	25.1	24.3	30.4	86	..	6.1	..	4.8	0	0	29	01	1	2	0	2	8	11	4	2	0
	1730	299	998.8	966.0	..	28.7	25.9	24.6	31.0	80	..	6.9	..	4.7	0	0	28	04	1	1	0	1	6	6	9	3	0
SIDHI	0830	272	1001.7	971.5	+2.1	27.1	25.2	24.4	30.4	86	+ 1	4.9	-2.0	1.2	0	0	7	00	0	0	0	0	5	2	0	24	0
	1730	272	998.8	968.8	+2.0	29.0	25.7	24.3	30.5	77	- 2	4.4	-1.2	1.0	0	0	11	01	2	1	0	4	0	3	0	20	0
UMARIA	0830	459	1002.9	952.2	+1.6	25.5	23.5	22.6	27.5	85	+ 0	6.3	-0.7	3.2	0	0	30	03	0	1	0	0	11	10	3	1	2
	1730	459	999.9	949.7	+1.8	27.6	24.4	23.1	28.3	78	- 3	7.5	+0.2	2.9	0	0	30	01	1	1	0	1	12	5	7	1	2
JABALPUR	0530	393	1002.1	958.4	..	23.9	23.5	23.3	28.6	96	..	6.5	..	3.7	0	0	21	00	0	0	0	2	10	8	1	10	0
	0830	393	1003.7	960.1	+1.8	25.4	24.2	23.6	29.2	90	+ 3	6.5	-0.7	4.8	0	0	27	00	0	0	0	2	13	11	1	4	0
	1130	393	1003.2	960.0	..	27.8	25.3	24.1	30.0	82	..	6.5	..	7.0	0	0	31	00	0	0	0	1	9	15	6	0	0
	1430	393	1000.9	958.0	..	28.9	25.8	24.4	30.7	79	..	6.9	..	7.8	0	0	30	00	0	0	1	0	8	13	8	1	0
	1730	393	1000.4	957.3	+1.8	27.9	25.6	24.5	30.8	83	+ 3	7.5	+0.2	6.1	0	0	28	01	1	0	0	0	9	14	3	3	0
	2030	393	1002.6	959.2	..	26.1	24.7	24.1	30.1	89	..	6.6	..	4.1	0	0	20	00	0	0	0	2	7	10	1	11	0
	2330	393	1003.2	959.6	..	25.2	24.3	23.9	29.6	92	..	6.5	..	4.3	0	0	23	00	0	0	1	3	9	10	0	8	0
AMBIKAPUR	0830	611	1003.0	936.2	+1.8	25.1	23.5	22.8	27.7	87	- 1	6.2	+0.2	5.7	0	0	27	00	0	1	3	5	10	6	2	4	0
	1730	611	1000.1	933.7	+1.8	26.2	23.9	22.9	28.0	83	+ 0	6.7	+0.9	6.7	0	0	31	02	0	3	0	8	4	14	0	0	0
JASHPURNAGAR	0830	779	1002.9	918.4	..	24.1	22.2	21.4	25.5	87	..	5.6	..	2.6	0	0	27	00	1	0	3	2	17	0	4	4	0
	1730	779	999.8	915.7	..	24.7	22.8	22.0	26.4	85	..	5.8	..	1.5	0	0	22	00	0	0	3	0	18	0	1	9	0
PENDRA	0530	625	1002.1	933.3	..	22.6	22.0	21.7	25.9	95	..	6.0	..	6.8	0	5	14	01	1	0	0	11	4	0	2	12	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST ,1969 SRAVANA 10 - BHADRA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	Wind Speed 20 to 61	Wind Speed 1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH,EAST (CONTD.)																											
PENDRA	0830	625	1003.2	934.8	+1.5	24.7	23.1	22.4	27.1	88	+ 1	5.5	+0.1	7.2	0	2	22	05	0	0	0	14	4	1	0	7	0
	1130	625	1002.6	934.7	..	26.6	23.7	22.6	27.3	79	..	5.9	..	8.3	0	1	26	02	1	0	1	11	7	3	2	4	0
	1430	625	1000.7	932.9	..	26.4	23.7	22.5	27.3	80	..	6.3	..	10.1	0	5	21	02	0	0	0	8	7	5	4	5	0
	1730	625	1000.4	932.4	+1.7	25.7	23.6	22.7	27.6	84	- 1	6.5	-0.8	6.8	0	2	22	05	0	1	1	8	4	4	1	7	0
	2330	625	1003.2	934.6	..	23.4	22.5	22.1	26.7	92	..	5.5	..	5.9	0	2	19	02	0	0	0	8	6	3	1	10	1
MANDLA	0830	443	1003.8	954.7	+1.8	25.0	23.3	22.6	27.4	88	+ 0	6.4	-0.6	4.3	0	0	19	02	0	0	0	6	4	5	2	12	0
	1730	443	1000.5	951.9	+1.8	26.8	24.1	22.8	27.8	80	- 2	7.1	+0.1	6.6	0	0	20	02	0	0	2	5	3	8	0	11	0
CHAMPA	0830	245	1004.0	976.5	+2.2	26.0	24.4	23.7	29.4	88	+ 1	6.5	-0.8	9.0	0	2	25	00	0	1	2	3	4	15	2	4	0
	1730	245	1000.6	973.4	+2.1	28.5	25.4	24.0	29.8	77	- 2	6.5	-1.0	10.9	0	3	25	00	0	2	2	1	7	16	0	3	0
RAIGARH	0830	220	1004.0	979.4	+2.6	26.4	24.6	23.8	29.5	86	+ 0	6.7	-0.5	4.1	0	0	31	00	2	0	1	2	25	0	1	0	0
	1730	220	1000.7	976.3	+2.4	28.5	25.4	24.1	30.0	78	+ 0	7.4	+0.1	3.2	0	0	30	00	3	0	2	0	23	0	2	1	0
RAIPUR	0530	298	1003.1	969.7	..	24.6	23.4	22.8	27.8	90	..	6.5	..	6.9	0	1	23	00	1	0	0	2	12	0	0	7	0
	0830	298	1004.5	971.3	+2.4	26.2	24.2	23.3	28.6	84	- 2	6.5	-0.5	6.9	0	0	31	00	0	0	2	3	16	10	0	0	0
	1130	298	1004.3	971.3	..	28.4	25.1	23.7	29.3	76	..	6.5	..	7.9	0	0	31	00	0	1	1	2	9	14	4	0	0
	1430	298	1001.9	969.1	..	29.2	25.3	23.5	28.9	73	..	6.5	..	8.0	0	0	31	00	1	1	1	5	10	11	2	0	0
	1730	298	1001.3	968.4	+2.3	28.2	24.7	23.1	28.4	75	- 3	7.1	+0.3	6.6	0	0	31	00	1	2	3	6	10	12	3	0	0
	2030	298	1003.6	970.4	..	26.6	24.2	23.1	28.3	82	..	6.4	..	6.1	0	0	28	00	1	1	0	5	8	11	2	3	0
	2330	298	1004.1	970.8	..	25.6	24.1	23.3	28.5	88	..	5.8	..	7.0	0	0	29	00	0	1	2	5	18	3	0	2	0
KANKER	0830	402	1005.1	960.7	+2.2	25.7	23.2	21.9	26.4	80	- 6	6.1	-0.8	8.7	0	2	24	00	0	0	0	0	26	0	0	5	0
	1730	402	1001.9	957.8	+2.0	27.1	23.8	22.2	26.8	76	- 3	6.7	-0.5	7.5	0	1	27	00	0	0	0	0	28	0	0	3	0
JAGDALPUR	0530	553	1004.5	943.3	..	22.6	21.7	21.3	25.3	92	..	7.0	..	2.8	0	0	14	00	0	0	0	4	9	1	0	17	0
	0830	553	1005.8	944.9	+2.4	24.4	22.5	21.6	25.8	85	- 1	6.8	+0.0	5.5	0	0	24	00	0	0	0	5	14	3	2	7	0
	1130	553	1004.9	944.6	..	27.0	23.3	21.6	25.7	73	..	6.8	..	7.4	0	0	28	00	1	0	1	3	10	9	4	3	0
	1430	553	1002.4	942.5	..	29.1	23.6	21.6	25.8	69	..	6.7	..	8.0	0	0	29	02	0	1	1	6	7	8	4	2	0
	1730	553	1002.3	942.1	+2.2	26.5	23.3	21.7	26.0	76	- 5	7.4	+0.3	6.5	0	1	26	01	1	1	0	6	4	11	3	4	0
	2030	553	1004.8	944.0	..	24.6	22.8	22.1	26.5	86	..	6.3	..	2.8	0	0	16	00	0	1	0	5	6	3	1	15	0
	2330	553	1005.4	944.5	..	23.7	22.4	21.9	26.2	89	..	6.0	..	1.9	0	0	12	00	0	0	0	3	6	3	0	19	0
GUJARAT REGION(INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																											
DEESA	0830	136	1004.0	988.7	+1.8	5.9	24.0	23.0	28.3	84	- 4	7.4	+1.1	5.6	0	0	28	00	0	0	4	8	13	0	3	3	0
	1730	136	1001.3	986.2	+2.2	31.2	24.6	21.6	25.8	59	-10	6.9	+0.9	7.0[a]	0	0	30	00	1	1	5	2	17	1	3	0	0
PADHANPUR	0830	30	1004.0	1000.6	+2.0	26.9	24.8	23.9	29.7	84	- 5	4.6	-1.3	3.0	0	0	31	00	0	1	0	0	24	3	3	0	0
	1730	30	1001.2	997.9	+2.0	32.2	25.5	22.3	27.3	58	-14	4.9	-0.1	3.3	0	0	31	01	0	0	0	0	27	2	1	0	0
IDAR	0830	219	1004.8	980.2	+2.0	25.3	23.8	23.1	28.3	88	- 4	6.5	-1.2	3.6	0	0	28	00	1	0	2	0	17	6	2	3	0
	1730	219	1002.1	978.4	+3.1	28.0	24.7	22.9	27.7	73	- 2	5.5	-1.8	3.9	0	0	29	00	1	0	0	1	14	13	0	2	0
AHMADABAD	0230	55	1003.5	997.2	..	26.3	24.4	23.6	28.9	86	..	5.9	..	10.2	0	1	28	00	0	0	1	3	16	8	1	2	0
	0530	55	1003.3	997.0	..	25.6	24.2	23.5	29.1	88	..	6.2	..	9.5	0	0	27	00	0	0	0	1	16	8	2	4	0
	0830	55	1004.8	998.5	+1.3	24.5	24.6	23.7	29.3	85	+ 1	6.8	-0.4	10.3[a]	0	0	27	00	0	0	0	1	15	7	4	4	0
	1130	55	1005.3	999.0	..	29.1	25.2	23.5	28.9	73	..	6.7	..	11.4[a]	0	2	24	01	0	0	0	0	10	9	6	4	0
	1430	55	1003.4	997.1	..	30.7	25.5	23.2	28.3	66	..	6.7	..	12.5	0	4	25	01	0	0	1	2	10	12	3	2	0
	1730	55	1002.0	995.8	+1.7	30.1	25.7	23.6	29.3	70	+ 1	6.5	+0.0	12.5	0	3	27	01	0	0	4	6	7	7	4	1	1
	2030	55	1003.2	997.0	..	28.3	25.3	24.0	29.8	79	..	6.4	..	10.2	0	1	22	00	0	0	1	8	8	5	1	8	0
	2330	55	1004.4	998.1	..	27.2	25.0	24.0	29.8	83	..	6.5	..	9.2	0	2	24	00	0	0	0	4	15	7	0	5	0
DOHAD	0830	333	1005.1	967.8	+1.6	24.6	23.5	22.9	27.7	91	+ 2	7.0	-0.2	18.5	0	15	16	00	0	0	0	1	13	16	1	0	0
	1730	333	1002.3	965.5	+1.7	27.1	24.2	22.9	28.6	79	+ 3	7.0	+0.9	14.1	0	7	24	00	1	0	0	1	13	13	3	0	0
VALLABH VIDYANAGAR	0830	44	1005.0	1000.0	..	25.6	24.6	24.5	30.5	94	..	6.7	..	5.0	0	0	31	01	0	1	0	5	21	2	1	0	0
	1730	44	1002.2	997.3	..	29.8	26.4	25.0	31.7	77	..	6.2	..	4.7	0	0	31	02	0	0	4	4	15	3	3	0	0
BARODA AERODROME	0830	38	1005.5	1001.2	+1.7	26.4	25.2	24.7	31.1	91	+ 2	6.5	-0.6	14.3	0	5	26	01	0	0	1	2	20	4	3	0	0
	1130	38	1005.6	1001.4	..	28.8	26.1	24.9	31.5	80	..	6.7	..	13.2	0	4	25	02	0	0	0	0	9	13	3	2	2
	1730	38	1002.6	998.4	+1.9	29.0	26.1	24.8	31.2	80	+ 5	6.9	+0.2	14.5	0	9	19	02	1	0	0	1	17	3	3	3	1
BARODA	0530	34	1004.0	1000.0	..	25.6	24.7	24.2	28.1	92	..	5.3	..	3.7	0	0	26	00	0	0	0	0	22	4	0	5	0
	0830	34	1005.6	1001.6	+1.4	26.3	24.9	24.2	28.3	88	- 1	6.3	-0.3	4.3	0	0	31	02	0	0	0	1	23	5	0	0	0
	1130	34	1005.9	1002.0	..	29.0	25.9	24.5	28.1	77	..	6.2	..	5.6	0	0	30	03	1	0	0	0	15	9	2	1	0
	1730	34	1002.8	998.9	+1.9	29.6	26.0	24.4	27.9	75	+ 2	7.1	+0.9	5.0	0	0	27	01	1	0	0	1	20	3	1	4	0
	2330	34	1005.1	1001.2	..	26.8	25.2	24.5	29.3	88	..	6.4	..	5.3	0	0	27	01	0	0	0	0	25	0	1	4	0
BROACH	0830	17	..	..	..	26.5	25.8	25.6	32.6	95	+ 6	7.0	+0.2	12.8	0	7	24	00	3	1	1	0	24	2	0	0	0
	1730	17	..	..	..	29.3	28.3	27.9	28.9	94	+19	6.8	+0.6	24.3	0	24	7	00	0	0	0	0	31	0	0	0	0
SURAT	0530	12	1004.4	1003.1	..	26.1	24.9	24.4	30.5	90	..	6.4	..	8.4	0	0	30	00	1	0	1	2	23	2	1	1	0
	0830	12	1005.9	1004.6	+1.4	25.8	25.3	24.5	31.1	88	+ 2	6.7	-0.6	7.9	0	0	31	00	3	0	1	0	24	1	2	0	0
	1130	12	1006.5	1005.2	..	29.1	25.8	24.4	30.4	77	..	6.8	..	12.8	0	2	29	04	1	0	1	2	21	1	1	0	0
	1730	12	1003.7	1002.4	+1.6	29.0	25.9	24.5	30.4	77	- 2	6.5	-0.2	12.6	0	7	24	00	1	0	0	1	24	0	5	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST 1969 SRAVANA 10 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GUJARAT REGION (INCLUDING DAMAN DADRA AND NAGAR HAVELI (CONTD.)																											
SURAT	2330	12	1005.8	1004.5	..	27.0	25.4	24.7	31.1	87	..	6.3	..	10.1	0	0	29	00	0	0	2	0	23	3	1	2	0
SAURASHTRA AND KUTCH																											
NALIYA	0830	21	1003.6	1012.0	+2.7	27.3	25.0	24.1	29.7	83	- 2	6.1	-0.5	13.9	0	4	27	00	0	0	0	0	25	5	1	0	0
	1730	21	1001.8	999.3	+1.8	29.3	25.4	23.0	28.9	72	- 3	6.8	+0.2	15.4	0	9	22	00	0	0	0	1	26	4	0	0	0
BHUJ (RUDRAMATA	0230	80	1002.5	993.4	..	26.5	25.1	24.5	30.7	88	..	5.3	..	15.5	0	8	22	00	0	0	0	0	21	9	0	1	0
	0530	80	1002.3	993.3	..	26.0	24.8	24.3	30.4	91	..	5.7	..	11.9	0	3	23	00	0	0	0	0	17	8	1	5	0
	0830	80	1003.5	994.5	+1.0	27.1	25.3	24.5	30.7	86	+ 6	5.6	-0.4	17.5	0	11	17	00	0	0	0	0	15	11	2	3	0
	1130	80	1003.8	994.8	..	30.4	26.3	24.5	30.7	71	..	6.0	..	24.1	0	18	12	00	0	0	0	0	18	12	0	1	0
	1430	80	1002.1	993.2	..	32.2	26.5	24.0	30.0	63	..	6.1	..	26.4	0	22	9	00	0	0	0	0	21	10	0	0	0
	1730	80	1001.1	992.2	+1.1	30.8	26.0	23.9	29.7	68	+ 6	6.2	+0.5	25.7	0	24	7	00	0	0	0	0	18	11	2	0	0
	2030	80	1002.6	993.6	..	28.0	25.2	24.0	29.7	79	..	4.7	..	20.4	0	16	14	00	0	0	0	0	18	12	0	1	0
	2330	80	1003.5	994.5	..	27.0	25.2	24.4	30.5	86	..	4.8	..	15.7	0	8	21	00	0	0	0	0	18	11	0	2	0
KANDLA AERODROME	0830	35	1004.3	1000.4	..	27.6	24.7	23.3	28.6	78	..	5.9	..	25.1	0	21	10	00	0	0	0	1	19	9	2	0	0
	1130	35	1004.5	1000.6	..	30.8	24.8	22.0	26.6	61	..	5.8	..	30.2	0	23	8	00	0	0	0	1	24	4	1	0	1
	1730	35	1001.8	997.9	..	31.2	24.6	21.5	25.5	57	..	5.5	..	38.3	0	31	0	00	0	0	0	3	22	6	0	0	0
NEW KANDLA	0830	14	1004.6	1003.0	+1.9	27.4	24.9	23.7	29.3	80	- 3	6.2	-0.8	22.6	0	20	11	01	0	0	0	0	12	14	4	0	0
	1730	14	1002.5	1000.9	+2.1	30.1	25.5	23.4	28.9	68	- 2	5.8	-0.4	36.9	0	30	0	00	0	0	0	3	21	6	0	0	0
MANDVI	0830	9	1004.5	1003.4	+1.9	27.5	25.3	24.1	30.4	82	- 7	6.4	-0.3	32.6	0	27	4	00	0	0	0	0	13	15	3	0	0
	1730	9	1002.6	1001.5	+2.0	28.5	25.6	24.4	30.4	78	- 7	5.9	-0.3	35.0	0	31	0	00	0	0	0	0	11	20	0	0	0
SURENDRANAGAR	0830	74	1004.8	996.5	+2.0	27.1	24.8	23.7	28.6	82	- 4	7.0	+0.3	12.7	0	4	26	00	0	0	0	3	14	9	4	0	0
	1730	74	1001.5	993.4	+1.9	31.3	25.7	23.2	27.9	64	- 4	7.0	+0.3	13.5	0	6	21	01	0	2	2	1	8	13	0	4	0
OKHA	0530	7	1003.5	1002.7	..	26.6	25.8	25.5	32.6	94	..	6.2	..	22.3	0	22	9	00	0	0	0	0	21	7	3	0	0
	0830	7	1004.9	1004.1	..	27.2	26.2	25.9	33.2	92	..	6.6	..	22.2	0	23	8	00	0	0	0	0	19	8	4	0	0
	1130	7	1005.5	1004.7	..	28.3	26.8	26.2	34.0	88	..	5.9	..	23.5	0	21	10	00	0	0	0	0	19	8	4	0	0
	1730	7	1003.2	1002.4	..	28.3	26.9	26.3	34.2	89	..	6.0	..	25.0	0	24	7	00	0	0	0	0	17	11	3	0	0
	2330	7	1005.0	1004.2	..	26.9	26.0	25.7	33.0	93	..	5.6	..	20.5	0	18	13	00	0	0	0	0	21	8	2	0	0
JAMNAGAR AERODROME	0530	23	1003.2	1001.0	..	25.3	24.1	23.6	29.3	91	..	5.9	..	17.5	0	9	22	01	0	0	0	1	23	3	3	0	0
	0830	23	1004.5	1002.3	+1.3	26.5	24.8	23.9	30.0	86	+ 4	6.5	+0.3	16.9	0	8	23	02	0	0	0	0	21	5	3	0	0
	1130	23	1004.8	1002.6	..	28.8	25.2	23.5	29.1	73	..	6.6	..	28.3	0	22	9	02	0	0	0	0	13	9	7	0	0
	1730	23	1002.5	1000.3	+2.3	28.6	24.9	22.9	28.9	71	- 1	6.2	+0.1	28.0	0	20	11	01	0	0	1	0	11	9	9	0	0
	2330	23	1004.6	1002.4	..	26.2	24.4	23.6	29.1	86	..	5.5	..	19.0	0	9	22	01	0	0	0	1	17	6	6	0	0
DWARKA	0830	11	1003.8	1002.5	+0.4	27.2	26.0	25.4	32.6	90	+ 5	6.4	-0.7	20.6	0	18	13	01	0	0	0	0	14	11	5	0	0
	1730	11	1002.2	1000.9	+0.7	28.2	26.6	25.9	33.4	87	+ 5	6.1	-0.4	19.9	0	18	13	00	0	0	0	0	11	16	4	0	0
RAJKOT	0530	138	1003.4	987.8	..	24.7	23.4	22.7	29.5	89	..	5.8	..	17.2	0	16	11	00	0	0	0	3	17	6	1	4	0
	0830	138	1004.8	989.3	+1.3	26.0	24.5	23.8	29.5	88	+ 2	6.1	-0.2	20.5	0	21	9	00	0	0	0	0	21	5	4	1	0
	1130	138	1004.9	989.5	..	29.1	25.0	23.2	28.3	71	..	6.2	..	27.5	0	24	6	00	0	0	0	0	18	5	7	1	0
	1430	138	1003.1	987.8	..	30.5	25.2	22.7	27.6	64	..	6.4	..	25.7	0	21	8	00	0	0	0	0	16	7	6	2	0
	1730	138	1002.2	986.9	+1.7	29.7	24.9	22.6	27.6	68	+ 3	5.9	-0.8	27.7	0	24	6	00	0	0	1	0	18	6	4	1	1
BHAUNAGAR AERODROME	0830	11	1005.7	1004.5	+1.4	27.3	25.1	24.0	29.8	82	+ 5	6.6	+0.2	19.2	0	18	11	00	0	0	0	2	14	10	3	2	0
	1130	11	1005.9	1004.7	..	30.1	25.9	24.1	30.0	71	..	6.7	..	23.1	0	22	8	01	1	2	0	1	15	8	2	1	0
	1730	11	1002.8	1001.6	+1.5	30.5	25.9	23.9	29.7	69	+ 6	6.7	+0.0	23.5	0	21	9	00	1	1	5	6	12	4	1	1	0
PORBANDER AERODROME	0830	7	1005.2	1004.4	+2.0	27.1	25.6	24.9	31.5	88	- 4	7.3	+0.5	17.2	0	13	18	01	0	1	0	0	20	4	5	0	0
	1130	7	1005.8	1005.0	..	28.7	26.0	24.9	31.5	81	..	7.1	..	20.7	0	20	11	02	0	0	0	1	22	3	3	0	0
	1730	7	1003.4	1002.6	+1.8	28.3	25.8	24.8	31.1	81	- 6	6.4	-0.7	21.4	0	22	9	01	0	0	0	0	20	9	1	0	0
KESHOD	0830	51	1005.4	999.6	+2.4	26.5	25.0	24.4	30.4	88	+ 0	6.6	+0.2	17.2	0	14	17	03	1	0	0	0	4	22	1	0	0
	1130	51	1005.9	1000.1	..	28.5	25.5	24.2	30.2	78	..	6.4	..	24.1	0	21	10	03	1	0	0	0	4	20	3	0	0
	1730	51	1003.5	997.7	+1.4	28.3	25.3	24.0	29.8	78	+ 0	6.4	-0.1	24.2	0	22	9	01	0	1	0	0	3	24	2	0	0
MAHUVA	0830	9	1005.5	1004.5	..	26.5	25.0	24.4	30.4	89	..	7.4	..	6.6	0	1	27	00	0	0	1	1	11	0	7	3	8
	1730	9	1003.3	1002.2	..	28.5	25.8	24.6	31.1	80	..	7.5	..	10.6	0	4	27	00	0	0	2	5	10	4	2	0	8
VERAVAL	0230	8	1004.4	1003.5	..	26.6	25.2	24.6	31.1	89	..	6.1	..	28.6	0	26	3	01	0	0	0	0	9	14	5	2	0
	0530	8	1004.2	1003.3	..	26.4	25.1	24.5	30.7	89	..	6.1	..	27.2	0	24	5	05	0	0	0	0	12	11	1	2	0
	0830	8	1005.9	1005.0	+1.4	26.7	25.4	24.9	31.5	90	+ 1	7.2	+0.2	27.0	0	27	3	06	0	0	0	0	10	12	2	1	0
	1130	8	1006.4	1005.5	..	28.6	26.3	25.4	32.2	83	..	6.7	..	26.3	0	24	6	03	0	0	0	0	9	15	3	1	0
	1430	8	1005.3	1004.1	..	28.5	26.5	25.6	33.0	83	..	6.6	..	29.5	0	28	3	00	0	0	0	1	10	16	4	0	0
	1730	8	1003.9	1003.0	+1.4	28.0	26.2	25.5	32.4	87	- 2	6.7	+0.2	27.1	0	25	6	00	0	0	0	1	8	15	7	0	0
	2030	8	1005.1	1004.2	..	27.1	25.6	25.0	31.5	88	..	6.6	..	26.1	0	25	6	00	1	0	0	1	8	15	6	0	0
	2330	8	1005.7	1004.8	..	26.9	25.5	24.8	30.9	89	..	6.7	..	25.6	0	25	4	00	0	0	0	0	11	13	5	2	0
DIU	0830		1006.3	1004.6	..	27.0	25.0	24.2	30.0	85	..	6.9	..	9.0	0	2	22	01	0	0	1	0	4	17	1	7	0
	1730		1004.4	1002.7	..	28.0	25.6	24.5	31.3	82	..	6.7	..	14.3	0	8	21	00	0	1	1	0	8	19	0	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – AUGUST 1969 (SRAVANA 10 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or M. in gms. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point				Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KONKAN (INCLUDING GOA)																											
DAHANU	0830	5	1006.0	1005.5	+1.2	27.0	25.3	24.6	30.7	86	- 3	6.8	-0.2	17.9	0	16	11	02	0	0	3	2	5	14	1	4	0
	1730	5	1004.6	1004.1	+1.6	28.4	25.9	24.9	31.5	81	- 3	6.7	+0.2	20.7	0	14	17	01	0	0	0	0	9	18	3	0	0
BOMBAY (SANTACRUZ)	0230	14	1005.6	1004.0	..	26.1	24.7	24.1	30.0	89	..	6.4	..	14.6	0	13	9	00	0	1	1	3	6	11	0	9	0
	0530	14	1005.4	1003.8	..	25.9	24.7	24.1	30.2	90	..	6.4	..	14.2	0	14	7	00	1	1	0	2	6	11	0	10	0
	0830	14	1007.0	1005.4	+1.3	26.9	25.1	24.3	30.4	86	- 1	7.5	+0.1	12.9	0	9	16	00	2	1	2	3	5	12	0	6	0
	1130	14	1007.4	1005.8	..	28.8	25.9	24.6	31.1	79	..	7.1	..	17.6	0	12	18	01	0	0	1	1	7	16	4	1	0
	1430	14	1005.8	1004.2	..	29.1	26.0	24.6	31.1	77	..	7.0	..	18.7	0	14	17	01	0	0	0	1	6	18	5	0	0
	1730	14	1005.0	1003.4	+1.1	28.1	25.3	24.2	30.4	79	- 3	6.9	-0.4	17.9	0	14	17	01	0	0	0	1	8	14	7	0	0
	2030	14	1006.4	1004.8	..	26.9	25.1	24.3	30.4	85	..	6.4	..	14.2	0	9	18	01	0	1	0	1	7	15	2	4	0
	2330	14	1007.1	1005.5	..	26.5	25.0	24.3	30.4	88	..	6.4	..	13.3	0	12	11	00	0	1	0	2	9	10	1	8	0
BOMBAY	0830	11	1007.2	1006.0	+1.3	27.0	25.4	24.7	31.1	88	+ 3	6.8	-0.1	11.9	0	3	27	00	3	0	4	1	5	14	1	1	2
	1130	11	1007.6	1006.4	..	28.6	26.1	25.1	31.9	82	..	6.2	..	13.9	0	7	23	02	0	0	1	2	5	15	5	1	0
	1730	11	1005.1	1003.9	+1.0	28.3	25.9	24.9	31.5	82	- 2	6.5	-0.3	14.6	0	9	22	03	1	0	0	1	7	11	7	0	1
ALIBAG	0830	7	1007.2	1006.4	+0.7	26.8	25.7	25.3	32.1	92	+ 5	7.1	+0.1	17.7	0	14	13	00	1	5	2	3	6	7	3	4	0
BHIRA	0830	96	1006.9	996.1	..	24.9	24.2	23.8	29.8	94	..	7.3	..	1.7	0	0	14	00	0	2	3	4	5	0	0	17	0
	1730	96	1004.5	993.7	..	26.9	24.9	24.0	29.8	85	..	7.5	..	2.2	0	0	22	00	0	0	3	6	9	4	0	9	0
HARNAI	0830	20	1007.8	1005.4	+1.3	26.7	24.8	23.9	29.6	85	- 4	4.2	-2.9	17.2	0	13	18	01	0	2	2	0	1	25	0	0	0
	1730	20	1006.3	1003.9	+1.4	27.8	25.3	24.1	30.0	79	- 7	4.1	-2.9	23.6	0	18	13	00	0	0	0	2	1	26	2	0	0
RATNAGIRI	0830	35	1007.9	1003.9	+0.9	26.1	25.0	24.6	31.1	91	+ 2	7.4	+0.8	18.9	0	14	15	00	0	6	5	0	6	7	1	1	4
	1730	35	1005.7	1001.8	+0.5	27.6	25.6	24.8	31.1	85	- 1	6.0	-0.9	16.7	0	11	19	00	0	0	1	1	7	19	2	1	0
DEVGARH	0830	36	1008.1	1004.1	+0.8	26.1	24.7	24.1	30.0	88	- 3	6.8	-0.3	19.0	0	16	15	00	1	6	5	1	3	13	2	0	0
	1730	36	1006.0	1002.0	+0.5	27.6	25.4	24.5	30.5	83	- 4	6.7	-0.3	26.6	0	23	8	00	0	0	0	1	4	22	4	0	0
VENGURLA	0230	9	1007.8	1006.8	..	25.5	24.6	24.2	30.0	92	..	5.8	..	3.6	0	0	14	01	0	1	0	0	1	11	0	17	0
	0530	9	1007.2	1006.2	..	25.2	24.4	24.0	29.8	93	..	5.8	..	5.0	0	1	16	02	0	1	1	0	4	9	0	14	0
	0830	9	1008.8	1007.8	+0.8	26.5	25.1	24.5	30.7	88	- 2	6.5	-0.6	4.1	0	0	22	03	1	1	2	0	7	6	2	9	0
	1130	9	1009.0	1008.0	..	28.4	26.1	25.1	31.5	82	..	6.0	..	6.2	0	1	30	01	0	0	0	5	12	12	1	0	0
	1730	9	1006.6	1005.6	+0.5	27.4	25.4	24.5	30.7	85	+ 0	7.2	+0.0	7.7	0	1	28	00	0	0	0	2	6	18	3	2	0
	2330	9	1009.0	1008.0	..	25.8	24.9	24.4	30.7	92	..	5.9	..	4.8	0	1	18	05	0	0	1	0	5	7	1	12	0
PANJIM	0530	60	1006.9	1000.1	..	25.1	24.2	23.8	29.3	92	..	6.9	..	13.0	0	8	21	01	3	4	1	1	8	8	3	2	0
	0830	60	1008.4	1001.6	..	25.9	24.7	24.1	30.0	90	..	7.2	..	12.6	0	2	29	00	4	5	4	0	10	5	3	0	0
	1130	60	1008.6	1001.9	..	28.3	25.7	24.6	30.9	81	..	6.8	..	13.7	0	8	23	00	0	1	2	3	14	8	3	0	0
	1430	60	1006.7	1000.0	..	28.4	25.6	24.4	30.5	80	..	6.6	..	18.7	0	13	18	01	0	1	1	1	13	12	2	0	0
	1730	60	1006.3	999.5	..	27.	25.1	24.0	30.0	82	..	7.1	..	18.4	0	13	18	00	0	0	0	2	4	19	6	0	0
	2030	60	1007.9	1001.1	..	26.3	24.7	24.0	29.8	88	..	6.9	..	14.3	0	9	22	03	1	0	1	1	6	12	7	0	0
	2330	60	1008.9	1002.1	..	25.7	24.5	24.0	29.8	90	..	6.6	..	13.0	0	6	23	03	2	1	1	2	6	10	4	2	0
MORMUGAO	0530	62	1007.1	1000.2	..	25.7	24.4	23.8	29.3	90	..	7.3	..	14.6	0	12	14	02	3	3	1	1	9	7	0	5	0
	0830	62	1008.4	1001.5	+0.4	26.3	24.8	24.1	30.0	88	+ 1	7.3	+1.4	17.0	0	14	14	01	5	1	3	1	8	8	1	3	0
	1130	62	1008.7	1001.8	..	27.7	25.4	24.4	30.4	82	..	7.0	..	17.6	0	15	15	00	0	0	0	3	10	14	3	1	0
	1730	62	1006.4	999.5	+0.6	27.4	25.1	24.1	29.8	83	- 3	7.5	+1.6	19.8	0	16	13	02	1	0	0	4	7	12	3	2	0
DABOLIM (NAVAL AIR STN.)	0530	52	1007.1	1001.3	..	25.1	24.2	23.8	29.3	93	..	7.0	..	13.5	0	9	11	01	1	0	1	0	4	11	2	11	0
	0830	52	1008.4	1002.6	..	26.2	24.8	24.2	30.4	89	..	6.8	..	14.7	0	10	15	03	2	1	2	1	5	11	0	6	0
	1130	52	1008.8	1003.0	..	28.1	25.4	24.3	30.4	80	..	6.7	..	18.3	0	13	16	00	0	0	1	2	6	17	3	2	0
	1730	52	1006.4	1000.7	..	27.6	25.1	24.0	29.7	81	..	7.0	..	22.2	0	17	14	01	0	0	0	2	4	18	6	0	0
	2330	52	1008.9	1003.1	..	25.9	24.8	24.3	30.4	91	..	7.1	..	15.9	0	9	17	02	0	0	2	0	8	11	3	5	0
MADHYA MAHARASHTRA																											
NANDURBAR	0830	206	1005.2	982.0	+1.2	25.4	23.8	23.0	28.4	86	- 3	6.2	-1.0	13.1	0	4	27	00	2	0	1	0	27	0	1	0	0
	1730	206	1002.7	979.7	+1.5	26.9	24.1	22.7	27.9	78	- 1	6.3	-0.5	11.9	0	4	27	00	0	0	0	0	28	0	3	0	0
JALGAON	0830	201	1005.9	983.2	+1.6	25.3	24.1	23.5	28.6	90	+ 3	6.7	+0.8	10.5	0	2	28	00	1	1	0	2	5	14	7	1	0
	1730	201	1002.9	980.5	+2.0	28.3	25.0	23.5	28.9	77	+ 7	7.2	+0.8	15.5	0	10	19	01	1	2	0	0	4	13	8	2	0
MALEGAON	0830	437	1006.0	957.3	+1.5	24.6	23.0	22.2	26.7	87	+10	6.2	-0.1	9.9	0	2	27	00	1	0	0	0	7	10	11	2	0
	1730	437	1003.2	955.1	+1.9	27.0	24.8	23.8	29.5	83	+18	5.9	-0.7	9.2	0	1	30	04	2	0	0	0	5	12	8	0	0
OZAR	0230	608	1005.1	937.7	..	21.7	20.9	20.5	23.8	93	..	6.8	..	17.9	0	13	14	00	0	0	0	0	0	23	4	4	0
	0530	608	1005.0	937.5	..	21.5	20.8	20.5	24.1	94	..	6.6	..	16.2	0	11	13	00	0	0	0	0	1	19	4	7	0
	0830	608	1006.1	938.9	..	23.0	21.7	21.0	25.0	89	..	7.2	..	19.9	0	15	13	01	0	0	1	1	0	21	4	3	0
	1130	608	1005.8	939.2	..	25.7	22.7	21.3	25.3	77	..	7.2	..	25.5	0	19	11	00	0	1	1	1	1	22	3	1	1
	1430	608	1004.0	937.5	..	26.1	22.9	21.4	25.5	76	..	7.4	..	28.6	0	23	8	00	1	0	1	2	2	20	5	0	0
	1730	608	1003.5	936.8	..	24.7	22.2	21.1	25.0	81	..	7.2	..	29.0	0	27	2	00	0	1	0	0	1	20	7	2	0
	2030	608	1005.5	938.7	..	22.9	21.7	21.1	25.0	89	..	7.0	..	20.7	0	13	17	01	0	0	0	0	1	21	6	1	0
	2330	608	1006.4	939.0	..	22.3	21.4	20.9	24.7	92	..	6.6	..	17.3	0	12	16	00	0	0	0	0	1	23	4	3	0
AHMADNAGAR	0830	657	1005.6	933.3	+0.4	23.4	21.4	20.4	24.0	84	+ 4	7.3	+1.1	7.2	0	0	25	01	1	0	1	0	14	5	3	6	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — AUGUST 1969 (SRAVANA 10 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lst. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD)																											
AHMEDNAGAR	1730	657	1002.3	931.3	+0.8	28.0	22.5	19.8	23.2	62	- 1	7.1	+0.5	12.8	0	6	24	00	1	0	2	0	13	4	10	1	0
POONA AERODROME	0230	593	1006.1	940.1	..	21.8	21.1	20.8	24.4	93	..	6.4	..	13.1	0	3	25	00	1	1	0	0	1	25	0	3	0
	0530	593	1005.8	939.6	..	21.6	20.9	20.5	24.1	94	..	6.5	..	12.2	0	6	20	01	1	0	0	1	0	22	1	5	0
	0830	593	1006.9	941.1	..	22.9	21.5	20.9	24.6	89	..	6.8	..	15.5	0	8	20	00	1	2	1	0	4	20	0	3	0
	1130	593	1006.4	941.4	..	25.5	22.5	21.1	25.0	77	..	6.9	..	21.8	0	16	12	00	0	3	0	0	3	21	1	3	0
	1730	593	1004.1	939.0	..	25.5	22.4	20.9	24.7	76	..	7.0	..	26.8	0	25	6	00	0	2	1	0	4	22	2	0	0
	2330	593	1007.2	941.3	..	22.3	21.4	21.0	26.3	92	..	6.5	..	16.7	0	8	21	00	0	0	0	0	1	27	1	2	0
POONA	0530	559	1006.1	943.8	..	22.0	21.0	20.5	24.1	92	..	6.5	..	3.6	0	0	14	00	0	0	0	0	1	13	0	17	0
	0830	559	1007.3	945.2	+1.3	23.2	21.7	20.9	24.7	87	+ 3	7.3	+0.4	3.9	0	1	14	00	0	1	0	0	0	14	0	16	0
	1130	559	1006.9	945.4	..	25.7	22.7	21.4	25.3	77	..	7.3	..	8.2	0	0	25	00	1	1	1	0	0	21	1	6	0
	1430	559	1005.0	943.7	..	26.5	23.0	21.5	25.6	75	..	7.2	..	9.5	0	2	25	00	0	0	1	1	0	25	0	4	0
	1730	559	1004.4	943.0	+1.1	25.4	22.5	21.2	24.9	78	- 2	7.3	+0.4	9.1	0	2	26	00	0	0	0	0	0	27	1	3	0
	2030	559	1006.6	944.6	..	23.5	21.9	21.2	25.0	87	..	6.3	..	5.9	0	0	21	00	0	0	0	0	0	21	0	10	0
	2330	559	1007.5	945.4	..	22.8	21.5	20.9	24.7	89	..	6.3	..	3.9	0	0	14	00	0	0	0	0	0	14	0	17	0
JEUR	0830	521	1006.8	949.2	+1.7	24.7	22.4	21.3	25.3	81	- 2	3.4	-2.1	7.2	0	0	31	04	1	3	0	1	0	12	10	0	0
	1730	521	1003.5	946.9	+2.2	28.8	23.2	20.6	20.6	63	- 1	4.1	-2.0	7.3	0	0	31	03	0	0	0	3	0	11	14	0	0
BARAMATI	0830	551	1006.4	945.4	+0.9	23.8	21.8	20.8	24.7	83	+ 1	4.2	-2.2	9.1	0	1	30	04	2	2	1	2	7	12	1	0	0
	1730	551	1002.2	942.3	+0.5	28.1	23.2	21.0	24.7	66	- 1	4.9	-2.0	12.8	0	8	23	01	0	2	1	2	0	22	3	0	0
SHOLAPUR	0530	479	1006.2	952.8	..	22.8	21.8	21.2	25.3	91	..	5.3	..	5.2	0	0	25	02	1	0	2	0	15	5	0	6	0
	0830	479	1007.3	954.2	+1.3	25.3	22.7	21.6	25.9	80	+ 1	5.1	-0.8	5.9	0	0	29	00	2	0	4	0	20	2	1	2	0
	1130	479	1006.2	953.8	..	28.9	23.8	21.5	25.6	65	..	6.8	..	11.4	0	6	23	03	2	0	2	0	9	12	1	2	0
	1430	479	1003.5	951.5	..	30.4	24.1	21.3	25.3	60	..	6.8	..	11.3	0	5	25	01	3	1	2	0	8	12	3	1	0
	1730	479	1002.7	950.6	+1.3	29.7	23.7	20.9	24.9	61	+ 2	6.8	+0.1	8.6	0	0	28	00	2	1	4	0	10	11	0	3	0
	2330	479	1007.2	954.2	..	24.4	22.4	21.4	25.6	84	..	5.2	..	7.3	0	0	25	00	1	0	2	1	13	6	2	6	0
MIRAJ	0830		..	..	..	23.6	22.0	21.3	25.2	87	+ 0	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	26.1	23.2	21.9	25.9	78	+ 4	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
KOLHAPUR	0530	570	1006.5	943.1	-0.2	21.4	20.9	20.6	24.4	95	+21	6.1	-0.7	7.4	0	3	14	00	0	0	0	0	0	16	1	14	0
	0830	570	1007.7	944.5	+1.0	22.8	21.6	21.0	24.9	90	- 1	6.6	-0.5	11.0	0	3	26	00	1	1	0	1	4	20	2	2	0
	1130	570	1007.4	944.7	..	25.3	22.7	21.4	25.6	79	..	6.4	..	14.8	0	7	23	01	1	1	0	1	4	13	9	1	0
	1730	570	1004.8	942.2	+0.7	25.1	22.5	21.4	25.3	81	- 2	6.9	-0.1	15.4	0	6	25	00	2	0	0	0	3	21	5	0	0
	2330	570	1008.2	944.9	..	22.4	21.5	21.0	24.3	92	..	5.8	..	8.6	0	0	27	00	0	0	0	0	3	14	10	4	0
NASIK	0830		..	..	..	23.8	21.9	21.1	25.0	85	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SANGLI	0830	549	1007.4	946.5	..	23.2	21.8	21.0	25.0	88	..	6.2	..	11.2	0	6	20	00	0	2	0	0	5	15	4	5	0
	1730	549	1004.2	944.2	..	26.1	22.7	21.1	25.0	75	..	6.5	..	18.8	0	18	13	00	1	0	0	1	6	18	5	0	0
SATARA	0830		(R)																								
	1730		(R)																								
MARATHWADA																											
AURANGABAD	0830	581	1007.0	942.8	+1.6	23.7	22.1	21.4	25.5	87	+ 0	6.4	-0.5	9.7	0	1	29	00	1	2	1	0	9	16	1	1	0
	1730	581	1003.3	940.0	+1.8	27.3	23.0	21.1	24.9	70	+ 1	6.2	-0.8	22.1	0	14	17	01	2	5	0	0	1	21	1	0	0
AURANGABAD (CHIKALTHAN)	0230	579	1005.2	940.9	..	22.3	21.1	20.5	24.1	90	..	6.8	..	12.1	0	2	26	00	1	0	1	0	5	20	1	3	0
	0530	579	1005.1	940.8	..	21.9	20.9	20.4	24.0	91	..	6.6	..	11.0	0	1	25	00	0	0	0	0	1	23	2	5	0
	0830	579	1006.3	942.2	+1.8	23.6	21.8	21.0	24.9	85	+ 0	6.5	-0.5	15.4	0	6	23	00	0	1	1	1	5	20	1	2	0
	1130	579	1005.5	942.2	..	27.3	22.8	20.7	24.4	68	..	6.6	..	23.7	0	18	13	02	1	0	3	0	3	19	3	0	0
	1430	579	1003.1	940.2	..	28.2	23.0	20.6	24.3	65	..	6.9	..	23.8	0	19	12	01	1	2	1	1	2	18	5	0	0
	1730	579	1002.4	939.3	+1.7	27.2	22.6	20.4	24.0	68	- 2	7.0	-0.1	21.4	0	17	12	02	1	0	2	0	2	15	7	2	0
	2030	579	1005.2	941.4	..	24.5	22.0	20.8	24.6	80	..	6.5	..	15.9	0	8	22	04	0	0	1	0	7	14	4	1	0
	2330	579	1006.4	942.3	..	23.2	21.4	20.5	24.1	86	..	6.6	..	12.8	0	3	25	01	0	1	0	0	6	17	3	3	0
PARBHANI	0830	423	1006.4	959.3	+1.4	24.8	22.7	21.7	26.0	83	+ 1	6.2	-0.2	10.4	0	3	27	00	0	3	0	1	5	21	0	1	0
	1730	423	1002.4	956.1	+1.6	28.8	23.7	21.1	24.9	65	- 1	6.2	-0.4	11.2	0	7	23	01	2	0	4	2	3	13	5	1	0
NANDER	0830	358	1006.8	966.7	..	25.5	23.1	22.0	26.4	81	..	5.4	..	6.6	0	0	29	00	1	0	2	0	20	0	6	2	0
	1730	358	1002.5	963.1	..	29.4	24.4	22.0	26.4	67	..	6.5	..	8.1	0	2	24	00	3	0	3	0	16	0	4	5	0
BIR	0830	319	1006.9	949.4	..	24.3	22.1	21.0	24.9	82	..	6.5	..	4.4	0	0	19	00	0	0	1	0	12	1	5	11	0
	1730	319	1002.5	946.1	..	29.1	23.1	20.3	23.8	61	..	6.5	..	9.0	0	1	28	00	7	0	2	0	6	11	3	2	0
VIDARBHA																											
GONDIA	0830	313	1004.7	969.8	+2.1	25.5	23.7	22.7	27.7	86	+ 0	5.5	-1.5	4.3	0	0	25	00	0	0	1	1	15	7	1	6	0
	1730	313	1001.5	967.0	+2.2	27.6	24.5	23.0	28.1	76	- 3	6.2	-0.8	3.0	0	0	27	01	2	0	0	1	14	8	1	4	0
NAGPUR (SONEGAON)	0230	310	1003.3	968.6	..	24.2	23.3	22.8	27.8	92	..	6.4	..	6.8	0	1	24	01	0	0	0	2	11	9	2	6	0
	0530	310	1003.5	968.7	..	23.8	23.0	22.6	27.4	92	..	6.9	..	6.4	0	1	21	00	0	0	0	1	10	8	2	9	1
	0830	310	1005.0	970.3	+2.1	25.8	23.9	23.0	28.1	85	+ 0	6.5	-0.5	9.5	0	2	25	02	0	0	2	2	11	8	2	4	0
	1130	310	1004.5	970.2	..	28.7	24.9	23.1	28.3	73	..	7.1	..	14.3	0	10	21	01	1	0	0	4	8	13	4	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – AUGUST 1969 (SRAVANA 10 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lst. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															42 or more	20 to 41	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VIDARBHA (CONTD)																											
NAGPUR (SONEGAON)	1430	310	1002.3	968.1	..	28.7	24.9	23.1	28.3	72	..	7.1	..	13.4	0	7	22	01	1	1	2	2	5	13	4	2	0
	1730	310	1001.5	967.2	+2.1	27.6	24.3	22.7	27.6	76	+ 2	7.2	-0.1	12.0	0	1	30	02	2	2	1	2	5	12	5	0	0
	2030	310	1004.0	969.3	..	25.4	23.8	23.0	28.1	87	..	7.2	..	7.5	0	2	20	02	0	0	0	2	5	10	3	9	0
	2330	310	1004.6	969.9	..	24.8	23.5	22.9	28.0	89	..	6.9	..	5.0	0	0	22	01	0	0	0	3	10	8	0	9	0
AMRAOTI	0830	370	1005.1	964.1	+1.7	25.3	23.4	21.8	27.1	84	+ 1	6.3	-0.3	5.1	0	0	27	01	0	0	1	0	10	14	1	4	0
	1730	370	1001.9	961.2	+2.1	28.0	23.7	21.5	25.7	70	+ 1	6.6	-0.4	8.5	0	1	30	05	1	1	1	0	3	16	4	0	0
AKOLA AERODROME	0530	309	1003.7	969.0	..	23.8	22.5	21.8	26.1	89	..	7.4	..	6.5	0	0	31	00	0	2	0	0	9	16	4	0	0
	0830	309	1005.0	970.4	..	25.5	23.4	22.3	27.0	83	..	7.1	..	8.3	0	1	30	00	1	0	1	0	4	20	5	0	0
	1130	309	1004.7	970.5	..	28.7	24.3	22.2	26.8	69	..	7.2	..	11.5	0	3	28	00	0	1	0	1	4	16	9	0	0
	1430	309	1002.2	968.3	..	30.0	24.5	21.9	26.3	63	..	7.3	..	12.7	0	4	27	02	0	0	2	1	2	15	9	0	0
	1730	309	1001.7	967.5	..	28.3	23.9	21.8	26.1	69	..	7.4	..	12.5	0	3	28	01	6	0	0	1	3	14	6	0	0
	2030	309	1003.8	969.3	..	26.0	23.5	22.3	27.0	81	..	7.1	..	10.1	0	2	28	01	3	0	1	0	4	18	3	1	0
	2330	309	1004.8	970.1	..	24.9	23.2	22.3	27.1	86	..	7.2	..	7.2	0	0	29	00	2	1	0	1	10	15	0	2	0
AKOLA	0830	282	1005.2	973.6	+1.4	25.7	23.8	22.8	27.7	84	+ 2	6.1	+0.2	8.6	0	0	31	00	1	1	1	0	22	1	5	0	0
	1730	282	1002.4	971.3	+2.4	28.6	23.5	20.8	24.6	65	- 2	6.5	+0.6	11.5	0	0	31	00	4	0	0	0	16	0	11	0	0
BRAMHAPURI	0830	229	1005.7	980.0	+2.7	25.6	24.0	23.2	28.5	87	- 2	7.0	-0.1	6.4	0	0	30	00	0	0	1	13	10	6	0	1	0
	1730	229	1002.2	976.8	+2.5	28.6	25.2	23.8	29.4	76	- 4	7.6	+0.7	5.3	0	0	30	01	1	0	1	11	9	5	2	1	0
BULDANA	0830	650	1005.7	934.1	+1.9	23.4	21.7	20.9	24.8	86	- 2	6.4	-0.3	8.1	0	0	29	01	0	0	1	2	11	4	10	2	0
	1730	650	1002.3	931.8	+1.9	25.8	22.6	21.1	25.0	76	- 2	7.4	+0.5	7.9	0	0	31	01	2	0	1	0	3	0	24	0	0
YEOTMAL	0830	451	1005.3	955.3	+2.0	24.8	22.8	21.8	26.1	84	- 3	6.4	-0.3	15.8	0	8	23	00	0	1	0	3	11	13	3	0	0
	1730	451	1002.1	952.5	+2.0	26.7	23.3	21.6	25.8	75	+ 0	6.6	-0.3	13.4	0	8	23	02	3	0	4	5	2	8	7	0	0
CHANDRAPUR	0830	193	1005.4	983.8	+1.8	26.3	24.2	23.2	28.4	83	+ 0	6.1	-0.4	8.1	0	2	28	01	1	2	2	4	7	12	1	1	0
	1730	193	1001.7	980.2	+1.5	28.9	25.5	24.0	29.9	76	+ 2	7.1	+0.4	9.3	0	8	22	05	6	1	2	2	4	7	3	1	0
PUSAD	0830	334	1006.1	968.9	..	25.9	23.7	22.6	27.5	82	..	5.9	..	10.1	0	0	31	00	0	1	1	1	18	3	7	0	0
	1730	334	1002.7	966.0	..	29.2	25.1	23.3	28.6	72	..	6.7	..	8.3	0	1	30	00	0	4	3	0	12	0	12	0	0
SIRONCHA	0830	123	1006.8	992.9	+2.7	26.8	24.8	23.8	29.5	84	- 3	5.9	-0.9	1.1	0	0	16	00	1	1	4	3	1	6	0	15	0
	1730	123	1002.4	988.7	+1.8	30.3	25.9	23.9	29.7	69	- 6	5.4	-1.6	1.5	0	0	21	01	0	3	3	2	5	6	1	10	0
WARDHA	0830	283	1005.3	973.6	..	25.7	23.8	22.9	28.0	85	..	5.8	..	4.0	0	0	31	01	0	2	0	2	11	12	3	0	0
	1730	283	1002.0	970.7	..	26.1	24.4	22.7	27.6	74	..	6.9	..	3.9	0	0	31	04	3	1	0	3	7	7	6	0	0
BHANDARA	0830	266	1004.9	975.1	..	25.9	24.3	23.5	29.0	87	..	.	..	6.1	0	0	31	00	3	1	5	3	13	4	0	0	2
	1730	266	1001.6	972.2	..	28.0	24.9	23.5	29.0	78	..	.	..	7.4	0	2	28	01	0	1	3	1	11	9	0	1	4
COASTAL ANDHRA PRADESH																											
KALINGAPATAM	0830	6	1005.4	1004.7	+2.3	28.4	26.1	25.1	31.9	83	+ 0	4.6	-1.6	11.6	0	4	21	00	0	0	1	10	11	1	0	3	2
	1730	6	1002.6	1002.0	+2.8	28.9	26.5	25.5	32.6	82	+ 1	5.1	-1.7	13.7	0	7	21	01	0	0	3	13	10	1	0	0	0
VISHAKHAPATNAM	0230	3	1004.3	1003.9	..	27.0	25.5	24.8	31.3	88	..	5.0	..	5.7	0	2	17	00	0	0	0	0	8	10	1	12	0
	0530	3	1004.7	1004.3	..	26.5	25.0	24.3	30.5	88	..	6.2	..	6.2	0	1	19	01	0	0	0	2	9	7	1	11	0
	0830	3	1006.0	1005.6	+2.7	28.6	25.8	24.6	31.0	79	- 3	5.9	-0.5	9.5	0	3	22	00	0	0	1	2	12	9	0	6	1
	1130	3	1005.4	1005.0	..	31.3	26.9	25.1	32.0	70	..	6.2	..	15.7	0	8	23	01	0	0	5	2	15	7	1	0	0
	1430	3	1003.3	1002.9	..	32.0	27.1	25.0	31.8	67	..	6.2	..	16.3	0	13	18	00	0	1	4	7	12	6	1	0	0
	1730	3	1003.0	1002.6	+2.6	30.0	26.4	24.9	31.5	74	- 9	6.1	-0.4	13.9	0	6	23	01	0	1	2	6	16	2	1	2	0
	2030	3	1005.1	1004.7	..	28.4	25.9	24.9	31.5	82	..	4.7	..	6.5	0	1	24	00	0	2	2	0	14	7	0	6	0
	2330	3	1005.7	1005.3	..	27.7	25.8	25.0	31.8	85	..	5.2	..	4.6	0	0	20	01	0	1	1	0	10	6	1	11	0
KAKINADA	0830	8	1006.5	1005.6	+2.2	29.7	26.4	25.0	31.7	76	- 5	5.7	+0.1	12.1	0	1	30	00	1	1	0	0	29	0	0	0	0
	1730	8	1003.5	1002.6	+2.3	30.5	26.8	25.2	32.1	73	- 1	5.2	-0.5	11.4	0	0	31	00	0	1	6	0	23	1	0	0	0
NIDADAVOLE	0830	12	1006.6	1005.2	+2.4	27.5	26.0	25.3	32.2	87	+ 0	7.3	+0.1	7.9	0	1	30	01	1	2	1	0	12	12	2	0	0
	1730	12	1003.6	1002.2	+2.6	30.4	27.2	25.9	33.4	77	- 2	7.7	+0.7	7.8	0	2	29	00	0	0	2	2	16	3	8	0	0
RENTACHINTALA	0830	106	1007.1	995.2	+2.0	28.3	24.5	22.6	27.3	72	+ 2	5.3	-1.3	2.2	0	0	22	00	0	0	0	2	4	16	0	9	0
	1730	106	1002.5	990.8	+1.5	32.0	25.3	22.1	26.7	58	+ 3	5.7	-1.2	1.7	0	0	23	01	0	1	0	0	2	19	0	8	0
GANNAVARAM	0230	24	1005.1	1002.4	..	26.5	24.8	24.1	30.0	87	..	4.9	..	7.2	0	1	18	00	0	0	3	1	4	11	0	12	0
	0530	24	1005.4	1002.7	..	26.1	24.6	23.8	29.6	88	..	5.7	..	6.3	0	1	16	00	0	1	1	1	1	12	1	14	0
	0830	24	1007.1	1004.4	+2.5	28.2	25.3	24.1	30.0	79	+ 0	5.9	-0.6	11.9	0	3	25	00	0	2	2	5	4	13	2	3	0
	1130	24	1006.5	1003.8	..	30.6	25.8	23.6	29.3	67	..	6.1	..	16.8	0	10	18	00	0	2	1	5	1	15	4	3	0
	1430	24	1004.2	1001.5	..	31.6	25.7	23.1	28.3	62	..	6.4	..	15.9	0	9	19	02	1	0	1	5	0	11	8	3	0
	1730	24	1003.4	1000.7	+2.3	30.9	25.8	23.6	29.1	66	- 3	6.4	-0.5	9.9	0	1	26	01	1	1	7	2	2	9	4	4	0
	2030	24	1005.5	1002.8	..	28.1	25.7	24.7	31.2	82	..	4.9	..	8.0	0	2	19	01	0	1	2	6	6	5	0	10	0
	2330	24	1006.3	1003.6	..	27.0	25.1	24.3	30.5	86	..	5.1	..	7.2	0	1	19	02	0	0	4	5	3	6	0	11	0
MASULIPATAM	0830	3	1006.9	1006.6	+2.0	28.0	25.2	23.9	29.8	79	- 1	5.9	+0.3	2.8	0	0	26	00	1	0	0	3	19	2	0	5	1
	1730	3	1003.5	1003.2	+1.8	30.7	26.1	24.1	30.1	69	+ 0	5.9	+0.1	2.6	0	0	27	00	0	2	4	2	6	9	0	4	4
ONGOLE	0830	12	1007.0	1005.7	+1.9	29.3	25.4	23.5	29.1	71	- 2	4.2	-1.6	4.3	0	0	28	00	0	5	2	3	1	16	1	2	0
	1730	12	1003.5	1002.2	+2.1	31.8	25.8	23.1	28.6	62	- 3	4.1	-2.1	5.3	0	0	30	02	0	7	6	1	1	12	1	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — AUGUST 1969 SRAVANA 10 - BHADRA 9, 1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL ANDHRA PRADESH (CONTD.)																											
NELLORE	0530	20	1006.2	1004.0	..	27.2	25.2	24.2	30.3	84	..	4.5	..	4.6	0	0	19	00	0	0	2	0	17	0	0	12	0
	0830	20	1007.7	1005.4	+1.7	29.2	26.1	24.8	31.3	78	+12	5.4	-0.6	8.1	0	0	31	00	3	0	3	0	23	0	2	0	0
	1130	20	1007.2	1005.0	..	32.1	27.1	25.0	31.6	67	..	4.9	..	8.6	0	0	31	00	3	0	3	0	21	2	2	0	0
	1430	20	1005.1	1002.9	..	33.7	27.7	25.3	32.3	63	..	4.8	..	9.5	0	0	31	00	2	0	2	0	21	1	5	0	0
	1730	20	1004.3	1002.1	+2.3	32.7	27.8	25.8	33.3	69	+15	5.1	-1.2	6.8	0	0	31	00	8	0	0	0	13	9	1	0	0
	2330	20	1007.2	1005.0	..	28.3	26.2	25.2	32.1	84	..	4.6	..	4.5	0	0	17	00	4	0	1	0	12	0	0	14	0
VISHAKHAPATNAM (SOLAR)	0830	66	1005.6	995.1	..	29.6	26.1	24.5	30.9	75	..	7.3	..	7.1	0	1	28	00	0	0	0	0	23	6	0	1	0
TELANGANA																											
RAMGUNDAM	0830	156	1006.1	988.5	+2.4	26.5	24.4	23.3	28.7	83	+ 2	5.2	-1.7	2.4	0	0	18	04	0	1	2	1	2	6	2	13	0
	1730	156	1002.3	985.0	+2.0	30.6	25.5	23.2	28.4	65	- 4	5.5	-1.0	2.3	0	0	31	06	1	5	0	1	3	13	2	0	0
NIZAMABAD	0830	381	1006.4	964.0	+1	H..	..	..	..	..	..	5.7	+0.2	1.9	0	0	17	00	0	0	0	1	16	0	0	14	0
	1730	381	1001.8	960.2	+1	..	..	..	..	..	..	6.2	+0.5	1.5	0	0	12	00	0	0	0	0	10	1	1	19	0
HANAMKONDA	0830	269	1006.5	976.6	+2.0	26.3	23.7	22.5	27.2	80	+ 2	4.4	-1.4	1.6	0	0	23	01	0	0	1	6	4	11	0	8	0
	1730	269	1003.6	974.1	+2.5	30.8	25.1	22.4	27.2	62	- 5	4.3	-1.7	1.5	0	0	24	05	2	0	4	3	0	8	2	7	0
HAKIMPET AERODROME	0530	613	1005.7	937.9	..	22.2	21.5	21.1	25.1	93	..	6.0	..	21.5	0	12	19	01	0	0	6	1	2	18	3	0	0
	0830	613	1006.4	938.9	..	24.0	22.3	21.5	25.7	85	..	6.5	..	24.4	0	13	18	01	0	0	3	4	2	17	4	0	0
	1130	613	1005.5	938.8	..	27.2	23.7	22.1	26.7	74	..	6.5	..	28.0	1	14	16	01	0	0	1	2	2	19	6	0	0
	1730	613	1002.9	936.4	..	27.7	23.5	21.6	25.8	71	..	6.4	..	20.2	0	11	20	02	2	1	5	1	3	10	7	0	0
	2330	613	1006.0	938.5	..	24.0	22.2	21.4	25.4	85	..	5.2	..	22.1	0	13	18	00	0	0	6	1	3	18	3	0	0
BHADRACHALLAM	0830	111	1006.3	993.8	+2.0	26.9	25.0	24.1	30.0	85	+ 1	6.0	-0.9	2.7	0	0	31	00	16	0	2	0	8	0	5	0	0
	1730	111	1002.6	990.3	+1.8	30.3	26.5	24.9	31.5	74	+ 0	6.5	-0.9	3.2	0	0	30	00	15	0	2	0	9	0	4	1	0
HYDERABAD (BEGAMPET)	0230	545	1005.1	945.1	..	23.8	21.9	21.0	24.9	85	..	5.5	..	13.7	0	11	15	02	0	1	4	1	1	13	4	5	0
	0530	545	1005.7	945.3	..	23.0	21.6	20.9	24.7	88	..	6.4	..	12.6	0	9	17	02	0	0	4	1	0	13	6	4	0
	0830	545	1007.0	946.9	+1.7	24.4	22.0	20.9	24.7	81	- 1	6.6	+0.0	17.1	0	14	16	00	0	0	1	4	4	13	8	1	0
	1130	545	1005.9	946.5	..	27.8	23.1	20.9	24.8	67	..	6.5	..	18.9	0	14	16	02	0	0	1	2	2	15	8	1	0
	1730	545	1002.2	943.2	+1.5	29.0	23.2	20.4	24.1	62	- 8	6.7	+0.0	17.0	0	13	15	02	1	1	4	0	5	10	5	3	0
	2330	545	1006.3	946.3	..	25.4	22.3	20.9	24.6	79	..	5.9	..	12.8	0	9	19	00	0	0	5	2	3	14	4	3	0
KHAMMAM	0830	112	1006.8	994.2	+2.1	27.2	24.8	23.7	29.3	81	+ 1	5.9	-0.3	4.8	0	0	21	00	0	2	4	1	1	10	3	10	0
	1730	112	1002.9	990.5	+2.0	30.8	26.0	23.8	29.6	67	- 3	6.5	-0.4	1.7	0	0	15	03	0	3	3	0	0	5	1	16	0
MAHBUBNAGAR	0830	505	1007.2	951.3	+1.6	24.8	22.3	21.2	25.3	81	- 2	6.7	-0.2	5.5	0	0	30	07	1	1	1	0	8	8	4	1	0
	1730	505	1002.6	947.6	+1.0	28.6	23.5	21.2	25.2	66	- 3	6.9	-0.4	5.9	0	0	28	01	1	1	1	3	7	12	2	3	0
RAYALASEEMA																											
KURNOOL	0830	281	1008.2	976.7	+1.7	26.2	22.9	21.3	25.4	76	+ 1	6.4	-0.2	12.1	0	6	25	00	3	0	3	0	16	0	9	0	0
	1730	281	1003.2	972.4	+1.6	30.8	23.8	20.2	23.8	55	- 1	6.9	+0.1	16.1	0	11	20	00	4	0	4	0	13	0	8	0	2
NANDYAL	0830	212	1006.9	983.1	..	26.6	23.4	21.8	26.3	76	..	5.3	..	3.0	0	0	12	00	2	3	1	0	1	2	3	19	0
	1730	212	1002.9	979.7	..	31.9	24.7	21.2	25.3	55	..	5.7	..	13.7	0	12	11	02	0	7	0	1	0	10	3	8	0
ANANTAPUR	0530	350	1006.7	967.5	..	24.0	22.3	21.4	25.5	85	..	5.7	..	9.5	0	7	12	00	0	0	0	0	4	15	0	12	0
	0830	350	1008.0	969.0	+1.4	25.7	22.7	21.2	25.2	77	+ 3	5.8	-0.8	12.0	0	10	16	02	0	1	1	1	7	13	1	5	0
	1130	350	1007.0	968.5	..	29.5	23.7	20.8	24.6	60	..	6.1	..	16.3	0	13	17	00	1	2	1	0	4	15	7	1	0
	1430	350	1004.0	965.8	..	31.4	24.2	20.4	24.2	54	..	6.3	..	18.6	0	13	18	01	4	0	2	0	5	14	5	0	0
	1730	350	1003.2	965.0	+1.2	30.9	23.8	20.2	23.7	54	+ 1	6.4	-0.5	16.6	0	11	18	00	2	2	0	0	4	14	7	2	0
	2030	350	1005.9	967.3	..	28.1	23.5	21.2	25.2	67	..	4.7	..	14.3	0	12	12	00	2	0	2	0	3	15	2	7	0
	2330	350	1007.4	968.4	..	26.1	23.2	21.7	26.0	77	..	5.2	..	14.8	0	10	17	00	4	0	1	2	4	14	2	4	0
CUDDAPAH	0830	130	1008.4	993.8	+1.4	27.8	23.9	22.0	26.5	72	+ 4	4.0	-2.2	2.4	0	0	16	00	0	1	0	0	0	14	1	15	0
	1730	130	1003.5	989.1	+1.2	32.7	25.0	21.1	25.3	53	- 4	5.9	-0.4	3.4	0	0	19	00	0	5	0	0	0	12	2	12	0
AROGYAVARAM	0830	701	1009.1	932.5	+2.4	24.6	22.0	20.7	24.5	79	+ 8	5.6	-1.1	8.6	0	0	29	01	2	0	1	1	2	3	19	2	0
	1730	701	1003.6	928.4	+1.4	29.2	23.2	20.3	24.0	60	+ 5	6.7	-0.4	9.0	0	0	30	00	3	0	3	0	4	0	20	1	0
TAMIL NADU (INCLUDING PONDICHERRY																											
MADRAS	0830	6	1008.3	1007.6	+1.9	28.7	25.0	23.2	28.6	73	+ 0	6.0	-0.1	8.5	0	0	29	00	0	2	3	1	8	14	1	2	0
	1730	6	1004.7	1004.0	..	30.2	25.8	23.9	29.8	70	..	5.6	..	9.6	0	0	30	00	1	5	14	5	3	2	0	1	0
MADRAS (MINAMBAKKAM)	0230	16	1006.2	1004.5	..	27.4	24.5	23.1	28.3	78	..	4.7	..	8.5	0	0	27	00	1	0	0	10	8	7	1	4	0
	0530	16	1006.5	1004.8	..	26.7	23.9	22.5	27.4	79	..	5.5	..	8.9	0	0	27	00	0	0	1	7	9	9	1	4	0
	0830	16	1008.1	1006.4	+1.5	28.9	24.4	22.3	27.0	68	- 1	5.7	-0.4	12.5	0	5	24	00	0	0	1	3	13	10	2	2	0
	1130	16	1007.2	1005.5	..	32.4	25.1	21.7	26.0	54	..	6.2	..	16.4	0	9	21	01	0	2	3	4	4	10	6	1	0
	1430	16	1004.8	1003.1	..	33.4	25.5	21.7	26.2	52	..	6.3	..	16.9	0	11	20	01	1	7	7	3	4	6	2	0	0
	1730	16	1004.5	1002.8	+1.7	30.8	25.5	23.1	28.3	64	+ 0	6.0	-0.2	15.5	0	7	24	00	1	4	15	7	1	2	1	0	0
	2030	16	1006.7	1005.0	..	28.4	25.4	24.1	30.1	78	..	4.9	..	11.5	0	2	26	00	0	2	12	13	0	0	1	3	0
	2330	16	1007.5	1005.8	..	27.9	25.3	24.1	30.1	80	..	5.2	..	7.7	0	1	21	01	0	1	3	13	4	0	0	9	0
VELLORE	0530	214	1007.1	982.9	..	25.1	22.9	21.8	26.2	83	..	5.1	..	2.1	0	0	12	00	0	0	0	0	0	12	0	19	0
	0830	214	1008.5	984.5	+1.6	27.0	23.7	22.1	26.7	76	+ 7	5.7	+0.1	6.2	0	0	20	00	0	0	0	3	0	16	1	11	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST 1969 (SRAVANA 10 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TAMIL NADU (INCLUDING PONDICHERRY) (CONTD.)																											
VELLORE	1130	214	1007.4	983.7	..	30.7	24.7	21.7	26.1	60	..	5.9	..	4.9	0	0	24	01	0	0	0	2	1	20	0	7	0
	1730	214	1003.8	980.4	+1.7	32.2	24.7	21.1	25.2	54	+ 0	6.3	-0.1	5.6	0	0	25	01	0	3	3	4	2	10	2	6	0
	2330	214	1008.0	984.0	..	27.1	23.9	22.3	26.9	77	..	6.2	..	3.4	0	0	15	01	0	0	1	2	0	11	0	16	0
TAMBARAM AERODROME	0830	29	1007.7	1004.5	..	29.0	25.2	23.3	28.7	73	..	5.7	..	17.7	0	11	19	00	0	1	1	1	11	13	3	1	0
	1730	29	1004.7	1001.5	..	31.6	26.5	24.1	30.2	66	..	5.8	..	25.3	0	20	11	00	1	5	11	10	2	0	1	0	1
TIRUPPATTUR	0830	390	1009.6	966.0	+2.0	24.8	23.7	23.2	28.4	91	+16	7.3	+1.1	3.7	0	0	26	06	2	0	0	10	0	8	0	5	0
	1730	390	1005.2	962.2	+1.9	27.9	24.4	22.6	27.4	74	+20	7.7	+0.9	4.3	0	0	27	06	1	0	0	8	1	10	1	4	0
METTUR DAM R.S.	0830		..	..	..	27.5	23.5	21.5	25.7	70	..	5.8	..	5.2	0	0	29	00	8	0	9	0	9	0	3	2	0
	1730		..	..	..	32.2	24.5	20.4	23.4	50	..	6.3	..	8.6	0	1	30	00	7	0	5	0	13	0	6	0	0
CUDDALORE	0530	12	1006.6	1005.3	..	26.1	24.1	23.1	28.4	84	..	5.3	..	2.6	0	1	11	01	0	0	1	2	6	2	0	19	0
	0830	12	1008.1	1006.8	+0.9	28.7	24.8	23.0	28.1	72	- 1	5.1	-0.7	7.5	0	1	26	01	1	0	0	3	18	4	0	4	0
	1130	12	1007.4	1006.1	..	32.3	25.5	22.2	26.9	57	..	5.0	..	8.7	0	2	27	01	2	2	2	2	16	4	0	2	0
	1430	12	1004.9	1003.6	..	32.3	26.2	23.5	29.1	61	..	5.0	..	12.1	0	2	29	00	1	6	16	1	3	2	2	0	0
	1730	12	1004.4	1003.1	+1.1	29.8	26.2	24.6	31.0	74	+ 8	5.2	-0.8	12.4	0	7	23	00	0	1	26	1	2	0	0	1	0
	2330	12	1007.7	1006.4	..	27.7	25.2	24.1	30.1	82	..	5.0	..	10.1	0	1	30	01	0	0	5	10	13	2	0	0	0
KALLAKKURICHCHI	0830	127	1008.0	993.8	+1.1	27.7	24.5	23.0	28.2	78	+ 7	3.6	-1.5	3.9	0	0	20	00	0	1	1	0	18	0	0	11	0
	1730	127	1003.5	989.6	+1.1	32.8	25.2	21.5	25.9	54	+ 2	5.1	-0.9	6.4	0	1	23	01	5	1	4	2	9	0	2	7	0
SALEM	0530	278	1006.7	975.4	..	24.2	22.2	21.1	25.1	83	..	3.7	..	2.5	0	0	11	00	0	0	0	0	5	0	6	20	0
	0830	278	1008.4	977.3	+0.6	25.9	22.8	21.2	25.2	76	- 3	4.7	-1.0	2.6	0	0	18	00	0	0	0	2	9	3	4	13	0
	1130	278	1007.2	976.5	..	30.3	23.4	19.7	23.1	54	..	5.1	..	5.5	0	0	24	00	0	1	0	2	12	9	0	7	0
	1730	278	1003.5	973.2	+0.5	32.0	23.8	19.5	22.8	48	- 7	6.2	-0.5	6.7	0	0	31	00	3	4	3	3	8	6	3	0	1
	2330	278	1007.9	976.9	..	27.1	23.2	21.2	25.3	71	..	3.8	..	4.0	0	0	18	00	0	1	2	0	14	0	1	13	0
COIMBATORE (PILAMEDU)	0530	399	1007.9	963.2	..	22.6	21.8	21.4	25.5	93	..	4.5	..	13.0	0	4	23	00	0	0	0	5	21	1	0	4	0
	0830	399	1009.2	964.7	+1.0	2[illegible].4	22.5	21.5	25.7	84	+ 4	5.0	-0.9	16.6	0	12	16	01	1	0	0	8	17	0	1	3	0
	1130	399	1008.2	964.3	..	2[illegible]	23.3	20.7	24.5	64	..	5.2	..	21.8	0	17	12	00	1	2	1	9	12	3	1	2	0
	1430	399	1005.4	961.9	..	30.5	23.7	20.2	23.4	55	..	5.3	..	25.2	0	20	10	00	1	1	0	11	16	1	0	1	0
	1730	399	1005.2	961.3	+0.8	27.7	23.3	21.1	25.1	68	+ 1	6.2	-0.1	27.1	0	25	6	00	0	0	1	7	20	2	1	0	0
	2030	399	1008.0	963.5	..	24.6	22.6	21.6	25.9	84	..	5.2	..	20.8	0	18	12	00	0	0	0	6	24	0	0	1	0
	2330	399	1009.2	964.5	..	23.[illegible]	22.3	21.7	26.0	90	..	4.3	..	17.3	0	13	16	00	0	0	0	5	22	1	1	2	0
COIMBATORE	0830	409	1009.1	963.6	+0.[illegible]	25.2	22.5	21.0	25.0	78	+ 1	5.7	-0.1	9.8	0	0	31	00	2	1	2	0	24	1	1	0	0
NAGAPATTINAM	0830	9	1008.9	1007.8	+1.2	28.6	24.5	22.5	27.4	70	+ 0	5.9	+0.4	8.8	0	0	28	00	0	0	1	1	9	16	1	3	0
	1730	9	1005.1	1004.0	+1.0	3[illegible].6	25.7	23.5	29.0	67	+ 0	5.6	+0.2	17.9	0	13	18	00	0	2	13	9	7	0	0	0	0
TIRUCHCHIRAPPALLI	0230	88	1006.8	996.9	..	26.8	23.5	21.8	26.2	75	..	4.9	..	11.2	0	8	14	00	0	0	0	2	4	15	1	9	0
	0530	88	1006.8	996.8	..	25.[illegible]	23.1	21.5	25.9	78	..	4.6	..	11.3	0	10	18	01	1	1	1	1	3	19	1	3	0
	0830	88	1008.3	998.4	+0.7	28.0	23.7	21.7	26.0	69	+ 4	4.5	-1.2	18.5	0	15	13	00	0	0	0	2	4	21	1	3	0
	1130	88	1007.5	997.8	..	32.2	24.5	20.7	24.5	52	..	4.8	..	18.1	0	11	19	00	2	0	1	2	5	18	2	3	0
	1430	88	1004.4	994.8	..	34.7	24.7	19.8	23.3	45	..	5.3	..	16.0	0	10	20	02	2	2	2	4	2	14	2	1	0
	1730	88	1003.9	994.2	+0.1	[illegible]	24.4	19.8	23.4	48	+ 1	5.3	-0.9	16.3	0	11	19	02	2	3	5	3	1	12	2	1	0
	2030	88	1006.9	997.0	..	[illegible]	24.0	21.3	25.5	64	..	4.5	..	14.9	0	10	20	00	1	1	7	7	7	7	0	1	0
	2330	88	1008.0	998.1	..	27.8	23.6	21.5	25.7	70	..	4.9	..	12.2	0	8	18	00	1	0	0	6	4	13	2	5	0
VEDARANNIYAM	0830	4	1008.2	1007.7	..	29.2	26.0	24.6	31.0	76	..	6.0	..	9.9	0	1	30	00	0	1	3	2	21	1	3	0	0
	1730	4	1005.9	1005.4	..	29.6	26.3	24.8	31.5	76	..	5.0	..	12.1	0	6	25	00	1	0	11	8	11	0	0	0	0
ATIRAMPATTINAM	0830	6	1008.5	1007.8	..	28.5	25.2	23.8	29.7	78	..	3.7	..	6.9	0	1	28	02	0	2	0	5	3	9	8	2	0
	1730	6	1004.9	1004.2	..	29.9	27.3	26.2	34.2	81	..	4.7	..	22.1	0	20	10	00	0	3	4	21	2	0	0	1	0
MADURAI	0830	133	1008.4	993.5	+0.8	28.6	23.3	20.6	24.3	63	+ 3	3.9	-1.8	4.7	0	0	31	17	3	1	0	1	0	1	8	0	0
MADURAI AERODROME	0530	131	1006.9	992.1	..	25.[illegible]	22.8	21.2	25.4	77	..	3.4	..	6.1	0	1	18	03	3	0	0	1	1	4	7	12	0
	0830	131	1008.4	993.6	+0.6	28.5	23.3	20.6	24.5	64	+ 4	4.7	-0.9	10.4	0	2	24	05	1	1	1	2	2	6	8	5	0
	1130	131	1007.6	993.1	..	32.1	23.8	19.2	22.6	49	..	4.9	..	12.1	0	6	20	01	0	1	2	3	3	8	8	5	0
	1730	131	1004.6	990.1	+0.7	31.[illegible]	24.3	20.0	23.8	56	+ 5	6.1	-0.3	22.6	0	18	12	01	1	1	7	6	3	9	2	1	0
TONDI	0830	5	1009.1	1008.5	+1.[illegible]	28.9	25.0	23.1	28.4	72	- 2	6.7	+1.5	5.3	0	1	30	05	2	3	2	4	10	2	3	0	0
	1730	5	1005.5	1004.9	+1.0	29.3	26.0	24.5	30.8	76	- 3	7.1	+1.4	16.9	0	12	19	00	0	1	11	14	3	0	2	0	0
PAMBAN	0830	11	1008.7	1007.4	+0.[illegible]	28.[illegible]	26.2	25.5	32.6	86	+ 9	4.5	+0.7	11.5	0	6	25	02	3	1	0	14	11	0	0	0	0
	1730	11	1005.6	1004.3	+0.7	29.3	27.2	26.4	34.4	84	+ 4	5.7	+1.0	10.7	0	5	26	00	1	1	5	16	8	0	0	0	0
TUTICORIN	0830	4	1009.0	1008.6	+0.9	29.[illegible]	24.1	21.6	26.0	64	+ 7	3.6	+0.0	10.2	0	3	28	01	3	0	2	1	5	17	2	0	0
	1730	4	1005.6	1005.2	+0.9	31.[illegible]	25.0	21.8	26.4	59	+ 6	4.5	+1.0	17.7	0	11	20	00	0	3	4	9	1	14	0	0	0
PALAYANKOTTAI	0830	51	1008.8	1003.1	+0.7	28.[illegible]	23.7	21.1	25.3	64	+ 8	4.8	-0.4	10.4	0	5	21	03	1	0	1	3	1	9	8	5	0
	1730	51	1005.6	999.9	+0.7	31.1	24.2	20.7	24.4	55	+ 4	5.4	-0.7	14.8	0	10	20	03	0	1	3	2	6	9	6	1	0
KANNIYAKUMARI	0830	37	1009.4	1005.3	..	27.0	23.9	22.2	27.2	76	..	4.3	..	14.6	0	8	23	00	0	0	1	1	5	21	3	0	0
	1730	37	1006.7	1002.6	..	27.[illegible]	24.3	22.8	27.7	76	..	5.1	..	16.9	0	12	19	00	0	0	0	1	6	24	0	0	0
PONDICHERRY	0830		1007.8	1007.2	..	28.6	25.4	23.8	29.5	76	..	5.1	..	10.5	0	2	29	00	1	1	1	6	9	9	4	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — AUGUST 1969 (SRAVANA 10 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lst. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TAMIL NADU (INCLUDING PONDICHERRY) (CONTD.)																											
PONDICHERRY	1730		1003.9	1003.3	..	28.7	26.5	25.5	32.8	83	..	5.5	..	26.8	0	25	6	00	0	2	16	12	1	0	0	0	0
PORT NOVA	0830	3	1008.0	1007.7	..	28.9	24.6	22.5	27.3	69	..	4.7	..	8.3	0	0	30	00	1	0	2	1	21	2	3	0	0
TUTICURIN H.P	0830	3	1008.6	1008.3	..	29.0	25.0	23.2	28.6	71	..	4.7	..	13.1	0	4	27	04	2	1	1	4	9	7	3	0	0
	1130	3	1008.4	1008.1	..	31.7	26.2	23.2	29.4	64	..	4.8	..	18.8	0	12	19	00	4	8	3	5	3	8	0	0	0
	1430	3	1005.9	1005.6	..	31.8	26.7	24.5	30.9	67	..	5.2	..	26.4	0	22	9	02	2	3	6	9	2	9	0	0	0
	1730	3	1005.4	1005.1	..	30.4	26.0	24.0	30.1	70	..	5.6	..	26.6	0	23	8	01	0	0	5	12	1	12	0	0	0
COASTAL MYSORE																											
KARWAR	0830	4	1009.0	1008.5	+0.8	26.1	24.7	24.1	30.1	89	+ 0	6.6	-0.6	4.8	0	0	25	00	5	0	3	0	5	0	12	6	0
	1730	4	1007.0	1006.5	+0.7	27.6	25.5	24.5	30.8	83	- 3	7.2	+0.0	7.5	0	0	31	00	1	0	2	0	6	4	15	0	3
HONAVAR	0830	26	1009.1	1006.1	+0.2	25.2	24.2	23.8	29.5	92	+ 0	6.8	-0.1	3.3	0	0	27	00	0	15	0	2	2	8	0	4	0
	1730	26	1006.9	1004.0	+0.2	27.4	25.1	24.1	30.1	83	- 5	6.3	-0.6	3.5	0	0	30	01	0	0	0	7	0	20	2	1	0
MANGALORE (BAJPE)	0230	102	1008.1	996.6	..	24.2	23.6	23.3	28.5	94	..	6.9	..	5.6	0	0	18	03	1	2	3	0	3	5	1	13	0
	0530	102	1007.9	996.4	..	24.1	23.6	23.3	28.6	95	..	6.6	..	6.1	0	1	18	03	0	3	2	0	4	6	1	12	0
	0830	102	1009.4	997.9	+0.4	25.3	24.2	23.6	29.2	90	- 3	6.6	-0.7	7.4	0	2	20	02	2	4	5	0	4	4	1	9	0
	1130	102	1009.4	997.9	..	28.0	25.2	24.0	29.8	79	..	6.4	..	17.2	0	10	20	02	0	2	3	1	7	12	3	1	0
	1430	102	1007.3	995.9	..	28.6	25.2	23.7	29.3	75	..	6.3	..	20.6	0	16	15	00	0	0	0	2	8	15	6	0	0
	1730	102	1006.9	995.5	+0.0	26.9	24.6	23.5	28.4	82	- 6	7.0	-0.3	16.6	0	7	24	01	0	0	1	2	6	14	7	0	0
	2030	102	1008.9	997.4	..	25.3	24.2	23.7	29.2	91	..	6.5	..	10.3	0	3	23	00	0	0	1	2	3	10	10	5	0
	2330	102	1009.7	998.2	..	24.6	23.8	23.4	28.8	93	..	6.7	..	6.4	0	0	20	03	0	1	2	1	2	7	4	11	0
MANGALORE	0830	22	1009.6	1007.1	+0.3	26.3	24.4	23.5	28.9	84	- 7	6.7	-0.4	3.0	0	0	29	04	2	5	5	0	7	3	1	2	2
	1730	22	1007.2	1004.7	+0.1	27.9	25.6	24.6	31.0	83	- 4	7.0	-0.1	6.6	0	0	31	00	0	0	1	1	14	10	4	0	1
MANGALORE H.P	0830	32	1009.1	1005.5	..	26.0	24.8	24.3	30.4	91	..	6.4	..	4.4	0	1	26	02	4	3	6	3	2	3	4	4	0
	1130	32	1009.2	1005.6	..	28.2	25.8	24.7	31.1	81	..	5.4	..	9.2	0	0	30	00	0	0	0	2	7	13	8	1	0
	1730	32	1006.8	1003.2	..	27.1	25.4	24.6	30.9	86	..	6.3	..	9.9	0	1	30	02	0	0	1	1	4	11	12	0	0
INTERIOR MYSORE, NORTH																											
BIDAR	0830	664	1006.7	933.7	+1.8	23.6	21.5	20.5	24.1	83	- 3	7.3	+0.7	22.7	0	18	13	00	0	1	2	1	17	7	3	0	0
	1730	664	1002.3	930.4	+1.5	26.8	22.1	19.7	23.1	67	- 1	7.1	+0.2	19.8	0	14	17	00	3	0	3	2	12	8	3	0	0
GULBARGA	0830	458	1007.3	956.3	+1.2	24.5	22.3	21.3	25.3	82	+ 1	7.1	+0.9	11.4	0	7	16	00	1	1	1	0	3	17	0	8	0
	1730	458	1002.5	952.5	+1.2	29.4	23.3	20.3	24.2	61	+ 2	6.8	+0.1	9.8	0	3	22	03	1	1	1	3	1	15	0	6	0
BIJAPUR	0830	594	1007.8	942.1	+1.4	23.3	21.7	20.8	24.6	86	+ 6	7.2	+1.1	11.1	0	4	26	01	0	0	2	0	3	20	4	1	0
	1730	594	1003.0	938.7	+1.1	28.7	22.9	20.3	23.9	62	+ 2	7.7	+1.3	9.6	0	2	28	00	2	1	2	1	5	18	1	1	0
RAICHUR	0830	400	1007.7	963.3	+1.1	25.1	22.2	20.7	24.4	77	+ 0	5.8	+0.3	6.4	0	0	29	01	1	0	2	1	18	2	4	2	0
	1730	400	1002.9	959.4	+1.2	30.7	23.2	19.2	22.5	52	- 3	5.8	-0.2	8.7	0	4	25	02	0	3	3	1	6	8	6	2	0
BELGAUM	0830	753	1008.4	925.6	+0.9	21.7	21.0	20.6	24.3	94	+ 2	7.6	+0.9	4.3	0	0	23	00	1	2	0	0	2	17	1	8	0
	1730	753	1005.3	923.3	+0.4	23.8	22.2	21.4	25.5	87	+ 0	7.9	+1.1	4.9	0	0	28	01	0	0	0	2	2	23	0	3	0
BELGAUM (SAMRA)	0530	747	1007.2	924.8	..	20.8	20.1	19.7	23.0	94	..	6.3	..	11.5	0	9	17	00	2	0	0	0	6	17	1	5	0
	0830	747	1008.3	926.1	+1.0	21.9	20.6	19.9	23.2	89	- 2	7.1	-0.2	15.3	0	12	17	01	3	0	0	1	8	16	0	2	0
	1130	747	1007.8	926.3	..	24.5	21.6	20.3	~~23.0~~	78	..	6.9	..	19.8	0	17	14	01	2	2	2	0	2	20	1	0	1
	1430	747	1005.5	924.5	..	25.5	22.0	20.3	23.9	74	..	6.7	..	20.5	0	17	13	01	3	0	2	1	4	18	1	1	0
	1730	747	1005.6	924.0	+0.7	23.8	21.5	20.4	24.0	83	- 2	7.0	-0.3	17.9	0	13	17	00	0	0	1	1	5	21	2	1	0
	2030	747	1007.8	925.7	..	21.8	20.9	20.5	24.1	92	..	6.6	..	11.7	0	3	27	00	1	0	0	0	4	24	1	1	0
GADAG	0530	650	1007.4	935.4	..	21.2	20.7	20.4	23.9	95	..	6.3	..	9.2	0	2	24	00	1	0	0	0	4	21	0	5	0
	0830	650	1008.3	936.5	+0.6	22.5	21.4	20.9	24.7	91	+ 7	6.9	+0.2	8.3	0	0	29	03	0	1	0	0	3	22	0	2	0
	1130	650	1007.5	936.6	..	26.3	22.6	21.0	24.9	73	..	6.5	..	12.2	0	7	22	02	2	2	0	0	2	21	0	2	0
	1430	650	1004.8	934.5	..	28.2	23.0	20.6	24.4	65	..	6.7	..	12.0	0	8	20	02	1	2	2	0	4	17	0	3	0
	1730	650	1004.3	933.7	+0.6	27.0	22.8	20.9	24.7	71	+ 1	6.5	-0.1	9.5	0	1	29	00	2	0	0	3	3	22	0	1	0
	2030	650	1007.3	935.9	..	23.7	21.8	20.9	24.8	85	..	4.4	..	9.3	0	0	25	00	0	0	1	0	2	21	1	6	0
	2330	650	1008.7	936.8	..	22.2	21.2	20.8	24.5	92	..	5.2	..	10.2	0	2	28	00	1	0	1	1	7	19	1	1	0
BIDAR A.F	0530	665	1005.9	932.3	..	21.6	20.4	19.8	23.2	90	..	5.9	..	18.0	0	12	19	01	1	1	0	6	12	10	0	0	0
	0830	665	1006.7	933.6	..	23.7	21.2	20.0	23.4	81	..	6.4	..	23.3	0	17	13	00	1	1	2	3	10	12	1	1	0
	1130	665	1005.8	933.5	..	27.0	22.3	20.1	23.6	68	..	6.4	..	26.8	0	17	14	03	1	1	1	3	8	13	1	0	0
	1730	665	1002.4	930.4	..	27.5	22.3	19.7	23.0	64	..	6.5	..	25.9	0	17	14	00	4	3	0	3	7	12	2	0	0
	2330	665	1006.5	933.3	..	23.6	21.1	19.9	23.3	80	..	5.5	..	18.9	0	11	19	00	3	2	4	0	8	12	1	1	0
INTERIOR MYSORE, SOUTH																											
BELLARY	0830	449	1007.9	958.1	+1.2	25.3	22.3	20.7	24.4	76	+ 4	7.2	+1.2	6.7	0	0	20	00	0	0	1	0	3	16	0	11	0
	1730	449	1003.5	954.6	+1.3	29.9	23.3	19.9	23.2	57	+ 0	7.5	+1.3	10.0	0	1	29	00	1	1	3	1	8	15	1	1	0
CHITRADURGA	0830	733	1008.4	927.7	+0.7	21.9	20.6	19.9	23.3	88	+ 4	5.7	-1.4	8.1	0	0	28	00	0	2	0	0	9	15	2	3	0
	1730	733	1004.5	925.2	+0.9	26.5	21.9	19.7	23.0	67	- 2	7.0	+0.4	8.5	0	1	23	00	2	1	0	0	6	15	0	7	0
SHIMOGA	0830	571	1008.3	945.1	+0.2	22.9	21.7	21.1	25.0	90	+ 3	6.4	-0.8	1.9	0	0	21	00	0	2	3	0	13	3	0	10	0
	1730	571	1005.4	942.9	+0.3	25.8	22.7	21.2	25.2	77	- 1	6.6	-0.3	3.0	0	0	31	00	0	3	0	0	3	25	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST 1969 (SRAVANA 10 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
INTERIOR MYSORE, SOUTH (CONTD.)																											
AGUMBE	0830		1010.6	937.6	..	22.1	21.0	20.6	24.3	91	..	6.5	..	9.5	0	4	22	01	2	6	1	4	6	6	0	5	0
	1730		1008.9	936.0	..	22.4	21.3	21.0	24.9	93	..	.	..	9.7	0	0	31	00	1	1	0	6	9	11	3	0	0
BALEHONNUR	0830		..	..	..	20.7	20.0	19.7	23.0	94	+ 0	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
HASSAN	0830	960	1498.6	904.1	+0.1	25.3	20.8	18.4	21.5	68	-17	7.7	+0.7	0.3	0	0	3	00	0	0	0	0	1	2	0	28	0
	1730	960	1481.6	902.6	+0.9	24.1	20.9	19.3	22.4	75	- 4	6.7	-0.3	3.6	0	0	23	00	0	0	0	0	3	15	5	8	0
BANGALORE	0230	921	1497.5	908.9	..	20.8	19.6	19.0	22.0	89	..	5.8	..	8.3	0	0	26	00	0	0	1	0	9	14	2	5	0
	0830	921	1504.4	909.6	+1.9	21.2	19.8	19.0	22.1	88	+ 2	5.9	-1.6	7.0	0	0	24	01	1	0	0	1	6	13	1	7	1
	1130	921	1511.5	909.6	..	25.1	20.7	18.4	21.2	67	..	6.2	..	8.6	0	0	28	00	0	3	0	1	7	13	4	3	0
	1430	921	1498.8	907.8	..	27.5	21.3	18.1	20.8	57	..	6.6	..	8.6	0	1	26	00	2	2	0	1	4	16	2	4	0
	1730	921	1488.6	906.9	+2.0	26.6	21.0	18.0	20.7	60	- 6	6.5	-0.6	8.6	0	4	24	01	1	3	0	1	8	13	1	3	0
	2030	921	1499.4	908.7	..	23.4	20.4	18.8	21.7	76	..	5.2	..	7.2	0	1	24	00	0	2	1	2	4	16	0	6	0
BANGALORE AERODROME	0530	897	1475.8	909.5	..	19.8	19.3	18.9	21.8	94	..	6.4	..	11.0	0	6	20	00	0	1	0	0	20	5	0	5	0
	0830	897	1491.1	910.8	+0.6	21.6	19.9	19.1	22.1	86	+ 1	6.4	-0.9	14.4	0	11	16	00	0	0	2	0	18	6	0	4	1
	1130	897	1497.9	910.7	..	25.4	21.1	18.9	21.8	67	..	6.1	..	18.1	0	12	19	01	1	2	0	2	18	6	1	0	0
	1730	897	1473.2	907.9	+0.6	26.4	21.4	18.8	21.8	64	- 2	6.4	-0.6	17.0	0	11	19	00	0	4	0	3	17	5	0	1	1
	2330	897	1492.9	910.9	..	21.8	20.3	19.4	22.6	87	..	5.8	..	12.5	0	6	24	00	0	4	1	1	17	6	1	1	0
MYSORE	0830	767	1009.4	924.9	+0.5	21.5	19.8	18.9	21.9	85	+ 1	3.7	-2.5	7.6	0	0	31	08	2	4	4	6	2	4	1	0	0
	1730	767	1005.1	922.2	+0.2	25.9	21.0	18.4	21.3	64	- 3	4.8	-1.9	9.9	0	2	29	03	1	5	0	11	0	10	1	0	0
YALANKA A.F.	0530	932	1477.3	906.3	..	19.8	19.1	18.6	21.5	93	..	5.7	..	18.5	0	13	17	01	0	1	1	1	2	20	3	1	1
	0830	932	1494.3	907.6	..	21.9	19.7	18.5	21.4	81	..	6.3	..	20.5	0	18	12	03	0	0	1	1	1	21	2	1	1
	1130	932	1498.8	907.4	..	25.9	20.8	18.1	20.8	62	..	6.2	..	24.5	0	21	10	01	2	2	1	1	0	20	3	0	1
	1730	932	1476.7	904.9	..	26.5	20.6	17.5	20.0	59	..	6.1	..	23.4	0	16	15	01	0	3	2	1	4	17	3	0	0
	2330	932	1491.6	907.4	..	21.7	19.7	18.7	21.6	83	..	5.5	..	20.4	0	13	18	01	0	1	3	3	6	16	1	0	0
KERALA																											
CALICUT	0530	5	1008.9	1008.3	..	24.4	23.7	23.4	28.8	94	..	4.3	..	4.9	0	0	26	04	8	11	0	0	0	3	0	5	0
	0830	5	1010.0	1009.4	+0.2	26.1	24.5	23.9	29.6	88	- 4	5.0	-1.6	3.4	0	0	27	00	6	2	0	0	8	10	1	4	0
	1130	5	1010.2	1009.6	..	27.9	25.3	24.1	30.2	80	..	4.5	..	7.0	0	0	30	01	0	0	0	0	6	9	14	1	0
	1430	5	1008.4	1007.8	..	28.7	25.6	24.3	30.4	77	..	4.9	..	10.3	0	1	30	01	0	0	0	0	8	7	15	0	0
	1730	5	1008.0	1007.4	+0.4	27.3	25.2	24.2	30.2	83	- 3	6.0	-0.7	6.3	0	0	29	01	0	0	0	0	6	5	17	2	0
	2330	5	1010.3	1009.7	..	25.4	24.5	24.0	30.0	92	..	5.6	...	5.0	0	0	23	08	7	3	0	0	1	3	1	8	0
PALGHAT	0830	97	1009.8	998.7	+0.1	25.2	24.0	23.4	28.7	89	- 2	6.4	-0.5	8.6	0	0	31	01	0	2	0	0	1	27	0	0	0
	1730	97	1006.8	995.8	-0.1	27.9	24.7	23.3	28.6	76	- 5	6.6	-0.1	9.6	0	0	31	01	0	0	0	1	1	28	0	0	0
FORT COCHIN	0830	3	1010.0	1009.7	-0.2	26.9	25.1	24.3	30.4	86	- 2	7.3	+0.4	5.4	0	0	26	02	3	4	1	0	1	5	10	5	0
	1730	3	1007.7	1007.4	+0.0	27.1	25.2	24.3	30.5	85	- 1	7.6	+0.6	9.6	0	0	30	01	0	0	0	0	2	11	16	1	0
COCHIN (NAVAL AIR STATION)	0230	3	1009.2	1008.8	..	24.8	24.0	23.7	29.3	94	..	6.3	..	2.6	0	0	11	03	1	2	1	0	0	2	2	20	0
	0530	3	1008.8	1008.5	..	24.3	23.7	23.4	28.9	95	..	5.9	..	2.0	0	0	10	01	2	2	2	0	1	1	1	21	0
	0830	3	1010.1	1009.8	..	26.3	24.6	23.8	29.6	87	..	6.1	..	5.4	0	0	19	07	1	3	5	0	0	3	0	12	0
	1130	3	1010.3	1010.0	..	28.4	25.1	23.7	29.3	76	..	6.2	..	10.8	0	3	24	00	1	0	1	2	4	6	13	4	0
	1730	3	1007.7	1007.4	..	27.4	24.8	23.6	29.2	80	..	6.7	..	13.4	0	2	29	00	0	0	0	2	4	9	16	0	0
	2330	3	1010.5	1010.2	..	25.3	24.3	23.9	29.7	92	..	6.3	..	4.4	0	0	17	03	1	3	2	0	0	3	5	14	0
ALLEPPEY	0830	4	1011.1	1010.7	+1.0	26.4	24.9	24.3	30.3	88	- 3	5.4	-1.2	6.2	0	0	31	00	15	2	9	0	0	0	5	0	0
	1730	4	1009.5	1009.1	+1.9	27.3	25.3	24.4	30.6	85	+ 0	5.7	-1.0	19.2	0	18	13	00	0	0	0	0	0	4	27	0	0
PUNALUR	0830	34	1010.2	1006.4	+0.3	25.2	24.0	23.4	28.8	90	- 2	6.7	+0.5	0.4	0	0	3	00	0	0	0	0	1	2	0	28	0
	1730	34	1007.5	1003.7	+0.2	26.3	25.0	23.5	29.0	76	- 1	7.6	+1.2	4.1	0	0	26	00	0	0	0	0	9	13	4	5	0
TRIVANDRUM	0230	64	1008.8	1001.5	..	24.4	23.4	22.9	27.9	91	..	5.2	..	5.1	0	1	20	04	1	0	0	0	0	3	13	10	0
	0530	64	1008.7	1001.4	..	24.0	23.1	22.7	27.7	93	..	4.7	..	6.6	0	0	28	07	1	0	0	0	0	2	11	3	7
	0830	64	1010.2	1002.9	+0.1	25.8	24.0	23.2	28.5	86	- 2	5.5	-0.6	5.3	0	0	28	11	2	0	0	0	0	4	6	3	5
	1130	64	1010.0	1002.7	..	28.4	24.7	22.9	28.1	73	..	6.2	..	11.4	0	2	28	08	0	1	0	1	3	5	12	1	0
	1430	64	1007.9	1000.7	..	28.6	24.7	22.8	27.9	72	..	5.9	..	10.5	0	1	29	01	0	1	1	0	2	7	16	1	2
	1730	64	1007.6	1000.4	+0.2	27.4	24.3	22.8	27.8	76	- 2	6.2	+0.4	8.8	0	0	30	02	0	0	1	1	0	3	20	1	3
	2030	64	1009.6	1002.3	..	25.6	24.0	23.2	28.5	87	..	4.6	..	6.3	0	0	25	01	0	0	0	1	0	2	15	6	6
	2330	64	1010.3	1003.0	..	24.9	23.8	23.2	28.5	91	..	5.1	..	8.1	0	0	29	08	1	1	0	0	0	1	16	2	2
TRIVANDRUM AERODROME	0830	8	1010.5	1009.6	+0.4	26.7	24.3	23.1	28.4	81	- 3	6.1	-0.2	16.5	0	12	17	17	0	1	1	1	0	2	7	2	0
ARABIAN SEA ISLANDS																											
AMINI	0530	4	1007.9	1007.5	..	26.8	25.0	24.2	30.2	86	..	4.8	..	30.0	0	28	3	04	0	0	0	0	3	13	11	0	0
	0830	4	1009.5	1009.1	+0.1	27.3	25.3	24.4	30.7	84	+ 0	6.0	+0.1	28.8	0	25	6	05	0	0	0	0	3	15	8	0	0
	1130	4	1009.9	1009.5	..	28.3	25.7	24.5	30.8	80	..	6.0	..	24.0	0	23	8	04	0	1	0	0	3	16	7	0	0
	1730	4	1007.5	1007.1	..	28.2	25.7	24.6	31.1	81	..	6.1	..	30.6	1	27	3	01	0	0	0	0	2	17	11	0	0
	2330	4	1009.8	1009.4	..	27.3	25.4	24.5	30.8	85	..	5.0	..	29.2	0	25	6	01	0	0	0	0	2	14	14	0	0
AGATTI	0830	4	1009.9	1009.4	..	27.0	25.2	24.4	30.6	86	..	6.7	..	14.5	0	5	23	01	0	0	0	0	4	11	12	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - AUGUST 1969 (SRAVANA 10 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ARABIAN SEA ISLANDS (CONTD.)																											
AGATTI	1730	4	1008.0	1007.5	..	27.9	25.4	24.4	30.5	82	..	5.7	..	15.5	0	7	21	01	0	0	0	0	3	12	12	3	0
ANDROTH	0830		(R)																								
	1730		(R)																								
MINICOY	0530	2	1009.1	1008.9	..	26.5	24.6	23.7	29.3	84	..	6.4	..	12.5	0	3	28	03	0	0	0	0	0	12	16	0	0
	0830	2	1010.5	1010.3	+0.1	27.4	25.0	24.0	29.8	81	+ 0	6.4	+0.1	12.0	0	3	28	01	0	0	0	0	1	13	16	0	0
	1130	2	1010.7	1010.5	..	29.0	25.9	24.6	31.0	77	..	6.3	..	12.8	0	2	29	01	0	0	0	0	0	13	17	0	0
	1430	2	1009.0	1008.8	..	29.1	25.9	24.5	30.8	77	..	6.6	..	13.1	0	5	26	00	0	0	0	0	0	13	18	0	0
	1730	2	1008.3	1008.1	+0.2	28.4	25.5	24.2	30.3	78	- 2	6.7	+0.2	12.1	0	2	29	02	0	0	0	0	0	12	17	0	0
	2030	2	1010.0	1009.8	..	27.1	24.9	24.0	29.9	83	..	5.9	..	11.9	0	5	26	01	0	0	0	0	0	12	18	0	0
	2330	2	1010.9	1010.7	..	26.9	24.9	23.9	29.7	84	..	6.5	..	13.9	0	5	25	01	0	0	0	0	0	14	15	1	0
HILL STATIONS (EXCLUDING KASHMIR)																											
DALHOUSIE	0830	1959	1388.1	795.8	+0.1	18.7	17.9	17.5	20.0	93	+ 2	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	1959	1369.4	794.4	-0.1	20.3	18.9	18.3	21.0	89	+ 2	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
DHARMASALA	0830	1211	1483.3	877.3	-0.3	23.0	21.0	20.1	23.6	84	- 1	5.5	-0.1	0.7	0	0	10	03	1	3	1	0	0	1	1	21	0
	1730	1211	1468.7	875.8	-0.2	24.4	22.3	21.2	25.3	83	+ 0	6.4	+0.8	1.8	0	0	22	04	2	0	1	0	7	6	2	9	0
BHUNTAR	0830	1096	1443.6	884.8	..	22.7	21.4	20.7	24.5	89	..	6.1	..	3.4	0	0	23	06	2	1	6	6	1	0	1	8	0
	1130	1096	1442.0	884.1	..	27.2	22.9	20.9	24.7	69	..	5.4	..	15.3	0	10	19	00	1	3	8	16	1	0	0	2	0
	1730	1096	1417.9	881.8	..	26.9	22.4	20.2	23.7	67	..	5.6	..	18.3	0	13	17	01	0	8	12	9	0	0	0	1	0
SIMLA	0830	2202	1443.7	778.6	+0.3	17.6	16.1	15.2	17.4	87	- 2	5.9	-0.6	2.0	0	0	31	01	10	0	15	0	2	0	3	0	0
	1730	2202	1429.1	777.5	+0.5	18.3	17.2	16.6	18.9	90	- 2	7.4	+0.3	2.0	0	0	31	02	1	0	17	4	1	1	5	0	0
GHANGARIA (KANJALIA TOK)	0830		..	..	..	19.2	14.8	11.2	13.2	94	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BADRINATH	0830		(R)																								
JOSHIMATH	0830		..	..	..	18.9	18.1	17.7	20.2	93	+ 4	6.8	+0.5	2.1	0	0	13	01	1	1	1	0	3	5	1	18	0
	1730		..	..	..	..	..	..	..	..	..	5.8	-1.0	4.1	0	1	20	01	3	1	0	1	6	7	2	9	0
MUSSOORIE	0830	2042	1457.4	794.3	+0.3	17.7	17.2	16.9	19.3	95	+ 1	4.4	-2.5	0.4	0	0	6	01	0	1	2	2	0	0	0	25	0
	1730	2042	1438.3	792.8	+0.2	18.2	17.9	17.7	20.3	97	- 1	.	..	0.7	0	0	11	01	2	0	4	4	0	0	0	20	0
MUKTESWAR (KUMAUN)	0830	2311	3113.3	770.1	+1.1	16.1	15.4	15.0	17.1	94	+ 2	6.4	-0.1	7.5	0	0	25	00	2	4	2	0	3	9	5	6	0
	1730	2311	3100.1	768.5	+1.1	17.4	16.8	16.5	18.8	94	+ 1	6.3	-0.4	11.1	0	1	29	00	2	4	2	0	6	12	4	1	0
NAINITAL	0830	1953	1430.5	800.3	-0.2	18.5	17.3	16.7	19.1	89	+ 2	5.4	-1.2	4.8	0	1	24	08	0	9	2	0	0	6	0	6	0
	1730	1953	1428.9	798.6	+0.1	18.9	17.3	16.4	18.8	86	- 1	5.0	-1.6	5.5	0	0	28	06	1	4	4	2	1	10	0	2	0
KALIMPONG	0830		..	..	..	..	..	..	..	..	..	7.1	+1.7	5.9	0	0	31	00	1	0	9	0	0	0	21	0	0
	1730		..	..	..	..	..	..	..	..	..	6.9	+1.6	6.0	0	0	30	00	1	0	29	0	0	0	0	0	0
DARJEELING	0830	2128	1473.9	788.2	-0.5	18.0	17.4	17.1	19.5	95	+ 8	8.0	+1.0	0.1	0	0	1	00	0	0	0	0	1	0	0	30	0
	1730	2128	1457.2	786.7	+0.1	17.7	17.0	16.6	19.0	94	+ 1	7.9	+0.7	0.8	0	0	3	00	0	0	0	0	1	0	0	28	2
KOHIMA	0830		(R)																								
	1730		(R)																								
SHILLONG (C.S.O.)	0830	1598	1464.0	837.1	+2.0	20.6	18.8	17.9	20.5	86	+ 7	6.8	+0.0	2.8	0	0	26	00	0	5	4	2	7	4	4	5	0
	1730	1598	1440.2	834.8	+2.4	20.3	18.6	17.8	20.4	86	+ 4	6.5	-0.7	3.2	0	0	24	00	2	0	1	3	8	6	4	7	0
CHERRAPUNJI	0830	1313	1474.1	866.1	+1.4	19.9	19.6	19.5	22.7	98	+ 7	8.0	+1.2	27.3	1	18	12	00	10	0	8	0	13	0	0	0	0
	1730	1313	1456.5	864.3	+2.0	20.8	20.2	19.9	23.3	95	+ 2	8.0	+2.1	14.9	0	8	23	00	1	0	5	0	25	0	0	0	0
ABU	0830	1195	1451.1	875.8	+1.2	19.5	18.4	17.7	20.3	90	- 5	6.1	-1.0	1.1	0	0	8	00	0	0	0	3	5	0	0	23	0
	1730	1195	1443.7	873.2	+0.0	21.7	20.0	19.0	22.1	86	- 3	5.4	-1.3	1.4	0	0	8	00	0	0	0	4	4	0	0	23	0
AJMER	0830		(R)																								
	1730		(R)																								
PACHMARHI	0830	1075	1446.5	888.9	+1.2	21.2	20.2	19.3	23.1	92	+ 0	7.0	-0.4	6.6	0	0	31	00	0	0	0	0	2	20	9	0	0
	1730	1075	1442.2	886.9	+1.4	22.4	20.8	20.0	23.3	87	- 1	7.4	+0.0	5.4	0	0	28	00	0	0	0	0	2	20	6	3	0
MAHABALESHWAR	0830		(R)																								
	1730		(R)																								
MERCARA	0830	1152	1496.0	885.0	+1.0	18.8	18.2	17.9	20.5	94	- 2	6.0	-0.9	18.6	0	14	17	01	1	1	0	1	0	26	1	0	0
	1730	1152	1478.2	883.0	+0.7	20.4	19.6	19.1	22.2	93	- 2	7.1	+0.3	18.0	0	12	19	00	0	0	0	0	0	31	0	0	0
OOTACAMUND	0830	2249	1500.9	778.9	+1.0	13.4	12.4	11.7	13.8	89	- 2	4.2	-1.9	2.5	0	0	13	00	0	0	0	1	0	12	0	18	0
	1730	2249	1473.1	777.0	+0.6	15.9	14.8	14.2	16.2	90	+ 2	5.7	-1.3	2.3	0	0	11	00	0	0	0	0	1	10	0	20	0
COONOOR	0830		..	..	..	18.8	15.6	13.5	15.6	72	+ 1	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KODAIKANAL	0830	2343	3144.3	770.5	+0.6	14.4	12.7	11.4	13.6	83	+ 3	6.0	+0.4	6.8	0	1	26	02	2	1	3	3	0	4	12	4	0
	1130	2343	3153.5	770.7	..	17.0	14.3	12.6	14.6	76	..	6.9	..	7.0	0	1	24	02	1	1	6	3	0	1	11	6	0
	1730	2343	3128.5	769.0	+0.7	14.7	13.5	12.6	14.7	88	- 2	7.3	+0.0	7.8	0	0	27	02	2	0	5	6	0	3	9	4	0
MANALI	0830	6690	..	..	..	17.5	16.9	16.4	18.8	94	..	5.1	..	0.2	0	0	1	00	0	0	0	0	1	0	0	30	0
	1730	6690	..	..	..	21.8	19.4	18.3	21.1	81	..	6.2	..	1.0	0	0	5	00	3	0	0	0	0	0	2	26	0
NEPAL																											
KATMANDU	0830	1324	1454.5	863.0	-0.9	21.9	20.7	20.1	23.5	89	+ 6	6.8	+0.4	0.5	0	0	5	00	0	1	3	1	0	0	0	26	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — AUGUST 1969 (SRAVANA 10 - BHADRA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lit. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NEPAL (CONTD.)																											
KATMANDU	1130	1324	1451.2	862.6	..	25.4	22.0	20.5	24.1	75	..	6.2	..	1.3	0	0	14	03	0	4	3	3	0	0	1	17	0
	1730	1324	1426.4	860.2	-1.1	23.7	21.5	20.5	24.1	83	+1	6.7	+0.1	1.0	0	0	10	04	1	0	2	1	2	0	0	21	0
SIKKIM																											
LACHEN	0830		(R)																								
HYDROMETEOROLOGICAL OBSERVATORIES DAMODAR CATCHMENT																											
TILAIYA	0830		..	..	..	26.9	24.5	23.5	28.9	82	..	6.0	..	7.5	0	1	26	00	1	2	5	0	0	14	5	4	0
	1730		..	..	..	27.5	24.7	23.5	29.0	79	..	7.2	..	5.6	0	0	23	02	1	5	5	0	0	6	4	8	0
HAZARIBAGH	0830	615	1002.4	935.1	..	24.8	23.6	23.0	28.2	90	..	5.9	..	6.6	0	1	23	00	0	3	2	1	6	8	4	7	0
	1730	615	999.4	932.7	..	25.7	24.3	23.7	29.4	89	..	6.9	..	5.7	0	0	19	00	0	2	1	1	3	7	5	12	0
KONAR	0830		(R)																								
	1730		(R)																								
BOKARO	0830	242	1001.2	974.4	..	27.6	25.6	24.7	31.1	85	..	5.3	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
	1730	242	997.7	971.1	..	28.4	26.1	25.1	31.9	82	..	5.8	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
MAITHON	0830		..	..	..	29.1	26.3	25.2	31.9	80	..	5.9	..	3.2	0	0	31	00	1	0	11	2	16	0	1	0	0
	1730		..	..	..	29.0	26.5	25.4	32.5	81	..	5.0	..	5.0	0	0	31	00	3	0	15	0	12	0	1	0	0
RAMGARH	0830		..	..	..	27.3	24.8	23.6	29.1	81	..	6.4	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
	1730		..	..	..	27.6	25.0	23.8	29.4	80	..	5.5	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
PANCHET HILLS	0830		..	..	..	27.5	25.7	24.9	31.5	86	..	4.4	..	3.0	0	0	27	00	5	0	4	0	14	0	4	4	0
	1730		..	..	..	28.6	26.1	25.0	31.6	81	..	5.2	..	2.1	0	0	22	00	3	0	6	0	10	0	3	9	0
DURGAPUR	0830		(R)																								
	1730		(R)																								
MAHANADI CATCHMENT																											
GINABAHAR	0830		..	..	..	25.4	24.1	23.6	29.1	90	..	6.7	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HIRAKUD	0830	159	1003.8	986.0	..	26.9	25.0	24.2	30.1	85	..	6.3	..	2.5	0	0	18	00	0	0	0	1	9	8	0	13	0
	1130	159	1003.4	985.6	..	28.7	25.7	24.4	30.6	78	..	6.1	..	2.5	0	0	23	00	0	0	0	2	15	6	0	8	0
	1730	159	1000.7	983.6	..	28.4	25.8	24.6	31.0	81	..	6.5	..	2.3	0	0	14	00	0	0	1	0	8	5	0	17	0
BHIMKUND	0830		(R)																								
	1730		(R)																								
SONEPUR	0830		..	..	..	[illegible]	26.0	25.7	32.8	89	..	6.0	..	8.4	0	3	26	00	0	4	1	7	0	17	0	2	0
KHIJRAWAN	0830		..	..	..	25.9	23.8	22.7	27.7	83	..	6.3	..	9.9	0	6	23	00	0	0	3	1	13	10	2	2	0
	1730		..	..	..	26.7	24.4	23.3	28.6	82	..	6.8	..	7.0	0	0	31	00	2	1	4	1	13	4	6	0	0
NARMADA CATCHMENT																											
BAGRA TAWA	0830		..	..	..	25.0	23.3	22.5	27.3	87	..	6.2	..	13.5	0	2	29	00	0	0	0	6	20	5	0	0	0
	1730		..	..	..	27.1	23.9	22.4	27.1	77	..	6.9	..	12.2	0	2	27	00	0	0	2	6	13	8	0	2	0
PUNASA	0830	1	..	..	..	24.7	23.1	22.3	27.1	87	..	.	..	6.9	0	1	29	00	2	0	3	0	14	10	1	0	0
	1730	1	..	..	..	26.4	23.3	21.6	26.4	77	..	.	..	6.6	0	1	30	00	3	2	0	1	10	14	1	0	0
THIKRI	0830		..	..	..	26.8	24.6	23.6	29.2	83	..	5.7	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SABARMATI CATCHMENT																											
DAROI	0830		..	..	..	25.9	24.3	23.6	29.1	87	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	28.5	24.9	23.3	28.6	75	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
JHADOL	0830		..	..	..	24.2	23.2	22.7	27.5	92	..	.	..	3.1	0	0	10	00	0	0	0	0	0	10	0	21	0
GANDAK CATCHMENT																											
JAMOSOM	0830		..	..	..	16.6	14.8	13.8	15.8	85	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	17.5	14.9	13.4	15.5	80	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KHUDI BAZAR	0830		..	..	..	23.7	22.1	21.3	25.3	87	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	25.5	23.0	21.9	26.4	81	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TIMURE	0830		..	..	..	19.8	18.1	17.2	19.7	85	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	21.9	18.9	17.6	20.1	79	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
POKHARA	0830		..	..	..	24.1	22.7	22.0	26.5	88	..	6.6	..	2.8	0	0	20	00	2	0	4	5	4	2	2	11	1
	1130		..	..	..	26.7	23.6	22.2	26.8	77	..	6.2	..	7.2	0	0	31	02	0	4	17	3	3	2	0	0	0
	1730		..	..	..	26.3	23.5	22.3	27.0	79	..	6.1	..	3.6	0	0	25	03	2	1	10	2	3	1	3	6	0
GORKHA	0830		..	..	..	22.3	21.5	21.2	25.1	93	..	7.2	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1130		..	..	..	24.6	22.7	21.8	26.2	85	..	6.6	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730		..	..	..	24.2	22.0	21.0	24.8	83	..	6.3	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
NUWAKOT	0830		..	..	..	23.5	22.5	22.1	26.6	92	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	25.0	22.6	21.6	25.5	81	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT (TRANS HIMALAYAN REGION)																											
DAILEKH	0830		..	..	..	21.1	20.1	19.6	22.9	91	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	22.4	21.3	20.8	24.6	91	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – AUGUST ,1969 SRAVANA 10 - BHADRA 9,1891 SAKAI

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lit. in gms. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point				Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GHAGHARA CATCHMENT																											
SALLYANA	0830		..	..	..	21.8	20.4	19.6	22.9	88	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	22.1	20.3	19.3	22.5	84	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BUTWAL	0830		..	..	..	28.1	25.5	24.4	30.6	81	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	28.9	26.4	25.4	32.5	82	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BAGHMATI CATCHMENT																											
KATMANDU	SEE UNDER NEPAL																										
KOSI CATCHMENT																											
WALUNGCHUNG GOLA	0830		..	..	..	13.6	12.0	11.1	13.2	85	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	12.4	11.9	11.6	13.7	95	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLETHOK	0830		..	..	..	22.4	20.8	20.1	23.5	87	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	22.0	20.5	19.7	23.0	87	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BHOJPUR	0830		..	..	..	20.8	19.9	19.4	22.5	92	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	19.9	19.2	18.9	21.8	94	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLEJUNG	0830		..	..	..	19.6	18.9	18.6	21.4	94	..	7.4	..	0.3	0	0	4	01	0	0	0	0	0	1	2	27	0
	1130		..	..	..	22.2	20.3	19.4	22.6	85	..	7.2	..	3.1	0	0	25	02	2	0	1	3	3	2	10	6	2
	1730		..	..	..	20.8	19.2	18.4	21.2	87	..	6.9	..	5.2	0	1	18	00	1	0	2	13	0	0	3	12	0
OKHALDHUNGA	0830		..	..	..	19.8	19.0	18.6	21.4	93	..	6.9	..	0.6	0	0	4	00	2	0	0	0	0	1	1	27	0
	1130		..	..	..	22.3	20.3	19.4	22.6	85	..	7.0	..	0.4	0	0	3	00	1	0	0	0	1	1	0	28	0
	1730		..	..	..	19.6	18.9	18.5	21.4	94	..	7.3	..	1.7	0	0	11	00	0	0	0	0	3	6	2	20	0
CHAINPUR	0830		..	..	..	22.5	21.3	20.7	24.5	90	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	23.3	21.7	21.0	24.9	87	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BARAHAKSHETRA	0830	146	1003.5	987.1	..	26.9	25.4	24.7	31.2	88	..	6.5	..	0.4	0	0	6	00	0	0	0	0	3	2	1	25	0
	1130	146	1002.7	986.4	..	28.8	26.1	25.0	31.6	80	..	6.8	..	3.1	0	0	23	00	1	0	1	0	11	10	0	8	0
	1730	146	1000.2	984.0	..	27.5	26.1	25.4	32.5	89	..	6.6	..	0.9	0	0	11	00	0	2	2	1	3	3	0	20	0
TISTA CATCHMENT																											
GANGTOK	0830	1812	1461.1	816.4	..	18.9	18.4	18.2	20.9	96	..	8.0	..	1.2	0	0	13	03	0	0	1	0	4	0	5	18	0
	1130	1812	1456.3	816.1	..	20.5	19.4	18.9	21.9	91	..	7.6	..	2.8	0	0	29	00	0	0	5	16	8	0	0	2	0
	1730	1812	1437.7	814.2	..	19.7	18.8	18.4	21.2	92	..	8.0	..	2.0	0	0	17	01	0	0	6	7	3	0	0	14	0
GEZING	0830		..	..	..	20.0	19.7	19.5	22.6	97	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	21.4	20.2	19.6	22.8	90	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

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METEOROLOGICAL DEPARTMENT

भारतीय मौसम पुनरीक्षण

INDIA WEATHER REVIEW

1969

मासिक मौसम रिपोर्ट

MONTHLY WEATHER REPORT

सितम्बर

SEPTEMBER

भारत सरकार के प्राधिकार द्वारा वेधशालाओं के महानिदेशक के निदेशाधीन प्रकाशित
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INDIA WEATHER REVIEW, 1969

Monthly Weather Report

SEPTEMBER

MONTHLY WEATHER REPORT

FOR

SEPTEMBER 1969

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MEANINGS OF SYMBOLS AND ABBREVIATIONS IN TABLES II AND III

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

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hief features :

1. Formation of two depressions in the Bay of Bengal, one in the first week moving towards ujarat Region and recurving northeastwards to east Rajasthan and the other in the third week moving owards Madhya Pradesh and Uttar Pradesh, both causing good monsoon activity in many parts of north nd central India and in north Peninsula during those periods.

2. Movement of a deep depression from Burma across East Pakistan to West Bengal and Bihar in he last week causing good rain in northeast India during that period.

3. Widespread heavy rain in the Bay Islands during the first 4 days and again from 11th to 14th.

4. Withdrawal of southwest monsoon from west Rajasthan and Punjab by 17th and from the rest of orthwest India, Uttar Pradesh, Madhya Pradesh, Gujarat and Maharashtra States during the last week.

The monsoon trough at the surface and in the lower tropospheric levels was lying close to the oot of the Himalayas on 1st and 2nd causing widespread rain with isolated heavy falls in north Assam nd Sub-Himalayan West Bengal on those 2 days. The amounts of very heavy rainfall were : On 1st 14 cm t Cooch Behar and 9 cm at Pasighat, On 2nd 12 cm at Jalpaiguri, 11 cm at Bagdogra and 10 cm at Cooch ehar. According to press reports, floods in the Teesta affected Jalpaiguri and Cooch Behar districts f north Bengal.

A low pressure area which moved northwestwards across Burma was lying over south Assam on 4th vening. Then it moved westwards to east Pakistan and adjoining Gangetic West Bengal on 5th morning nd weakened into a trough causing active monsoon conditions in Gangetic West Bengal on 5th and 6th and n Bihar Plateau on 6th.

An east-west trough between 1.5 and 6.0 km a.s.l. was lying over north Peninsula roughly along at. 17°N from 1st to 6th and was extending eastwards into the central Bay of Bengal where a low pressure rea formed on 4th morning. It concentrated into a depression on the morning of 6th about 400 kms east f Vishakhapatnam, moved northwest, crossed Orissa coast near Gopalpur on the morning of 7th and moving estnorthwest was lying near Dohad in Gujarat Region on the morning of 10th. Then it moved northnorth-astwards to east Rajasthan on 11th, weakened there into a well marked low pressure area and merged into e monsoon trough by 12th evening. The monsoon trough in the lower troposphere (upto 1.5 kms) extended orthwest from the depression into Uttar Pradesh on 5th and 6th. When the depression had moved to the entral parts of the country, a trough between 1.5 and 5.4 kms a.s.l. extended northwards from the epression into Haryana and Punjab from 8th to 12th while the monsoon trough in the lower and middle roposphere extended eastwards to Gangetic West Bengal and neighbourhood from 8th to 12th. These systems aused active to vigorous monsoon conditions in Maharashtra State, Coastal Mysore and Telangana on many ays from 2nd to 9th, in Haryana, Gujarat Region and Punjab on a few days from 8th to 12th and active nsoon conditions in Uttar Pradesh, west Madhya Pradesh, Orissa, Coastal Andhra Pradesh, Bihar Plateau, angetic West Bengal and east Rajasthan on a few days between 6th and 13th. The noteworthy amounts of ry heavy rainfall were : On 1st 15 cm at Mahabaleshwar, 11 cm at Lohagaon (Poona), 10 cm at Bir; On d 26 cm at Ratnagiri and 12 cm at Honavar; On 3rd 11 cm at Dehra Dun and 10 cm at Ratnagiri; On 4th cm at Santacruz, 9 cm at Bir; On 5th 17 cm at Dahanu, 10 cm at Bagati; On 6th 18 cm at Gulbarga, 14 cm Yeotmal and Panjim (Goa), 12 cm at Santacruz and Varanasi (Airport); On 7th 17 cm at Harnai, 15 cm at vgarh and 11 cm at Gopalpur; On 8th 13 cm at Devgarh, 10 cm at Palam, 9 cm at Brahmapuri and Balasore; 9th 13 cm at Rohtak, 11 cm at Rajpur; On 10th 22 cm at Alwar, 15 cm at Surat, 14 cm at Contai, Maha-leshwar and Meerut, 12 cm at Sagar Island, 9 cm at Breach; On 11th 20 cm at Patiala, 17 cm at Baroda, cm at Alwar, 11 cm at Karnal; On 12th 13 cm at Neemuch, 12 cm at Ratlam. According to press reports, e heavy rains in Maharashtra State caused floods in the Godavari and three other rivers inundating vast eas in Nander, Parbhani and Aurangabad districts of Marathwada, the worst affected being Nander district. e flood waters of the Narmada and the Tapti and other rivers in south Gujarat inundated vast areas in

Dhulia and Jalagaon districts and many districts in south Gujarat, the worst affected districts being Surat Baroda and Broach. The breaches in many dams and irrigation tanks in Alwar district of East Rajasthan inundated many villages in that district and dislocated rail traffic between Jaipur and Delhi.

The eastern end of the monsoon trough was lying close to the foot of the Himalayas from 11th to 13th causing fairly widespread rain with isolated heavy falls in north Assam. The western end of the monsoon trough also shifted northwards on 13th morning and the entire monsoon trough was lying close to the foot of the Himalayas. On the morning of 14th the eastern end shifted southwards and was extending from Bihar State southeastwards to east central Bay while the western end continued to remain in a northerly position and was passing through Uttar Pradesh, Haryana and Punjab upto 16th. A westerly trough in the middle and upper troposphere was also affecting the northern parts of west Pakistan and Jammu and Kashmir between 14th and 16th. Associated with these active monsoon conditions prevailed in Bihar State on 14th and 15th, in Punjab on 14th, in Haryana on 15th and in west Uttar Pradesh on 15th and 16th. The amounts of very heavy rainfall were : On 13th 13 cm at north Lakhimpur, 12 cm at Gohpur, On 14th 12 cm at Forbesganj 11 cm at Muzzaffarpur and Dhanbad and 10 cm at Motihari, on 15th 11 cm at Lucknow City and Chandigarh and 9 cm at Ranchi. According to press reports, there were floods in north Assam and in Saran district in Bihar State. A trough in the middle and lower troposphere was extending from east central Bay to north Andaman Sea from 11th to 14th causing widespread rain with scattered heavy falls in the Bay Islands during this period. Hut Bay recorded 10 cm on 11th; Mayabandar 16 cm, Port Blair 12 cm and Long Island 10 cm on 12th; Hut Bay 20 cm, Long Island 7 cm on 13th and Hut Bay 7 cm on 14th.

In this trough a cyclonic circulation extending to about 3.0 km a.s.l. developed over east central Bay on the morning of 14th and concentrated into a low pressure area on that evening over east central Bay and adjoining northeast Bay. It became well marked on 15th and was lying over central and adjoining northwest Bay. It concentrated into a depression on the morning of 18th with centre about 450 kms east of Vishakhapatnam. It moved northwest, crossed south Orissa coast near Gopalpur on the night of 18th and moving westnorthwest was centred between Seoni and Gondia on the evening of 21st. Then it moved north and weakened into a well marked low pressure area over north Madhya Pradesh and adjoining south Uttar Pradesh on the morning of 22nd. Later it moved further north and was lying over the northern parts of Uttar Pradesh as a low pressure area on the morning of 24th and became less marked by 26th. A trough in the upper air between 1.5 km and 6.0 km a.s.l. extended westwards from the depression across north Peninsula from 17th to 19th. Associated with these systems, the monsoon was active in Marathwada, Gangetic West Bengal, Bihar Plateau and Madhya Pradesh and active to vigorous in Telangana, Vidarbha, Orissa and Uttar Pradesh on some days during the period 18th to 23rd. The noteworthy amounts of very heavy rainfall were : On 19th 15 cm at Jagdalpur and Gopalpur, 13 cm at Sironcha; On 20th 13 cm at Ramgundam, 11 cm at Kheri, 9 cm at Gopalpur; On 22nd 9 cm at Banda and Moradabad; On 23rd 18 cm at Bareilly, 17 cm at Nainital, 12 cm at Mainpuri, Moradabad and Mukteswar, and 10 cm at Kheri, On 24th 13 cm at Mukteswar and Nainital and 12 cm at Moradabad. According to press reports, the heavy rains in Telangana caused floods in the Godavari which inundated low lying areas in Bhadrachalam. Floods were also reported in the Wainganga and other rivers in Vidarbha.

A well marked low pressure area moving northwestwards from Viet Nam across Burma concentrated into a deep depression near Akyab on 23rd morning. Continuing to move northwestwards across East Pakistan, it was lying on the morning of 26th over Sub-Himalayan West Bengal and adjoining Bihar Plains with centre between Malda and Sabour. It weakened into a low pressure area on the morning of 27th and was lying over the eastern parts of Bihar State and adjoining West Bengal and became less marked on the next day. It caused fairly widespread rain over northeast India from 25th to 27th with active monsoon conditions in Gangetic West Bengal on 25th and 26th and in Bihar Plains on 26th and 27th. The amounts of very heavy rainfall were : On 25th 14 cm at Krishnanagar, 9 cm at Bagati; On 26th 13 cm at Balurghat, 11 cm at Malda and 9 cm at Darbhanga; On 27th 10 cm at Balurghat.

The southwest monsoon withdrew from west Rajasthan and Punjab by 17th from the rest of northwest India by 25th, from west Uttar Pradesh, west Madhya Pradesh and Gujarat State by 27th and from Maharashtra State and the rest of Madhya Pradesh and Uttar Pradesh by the end of the month.

The rainfall was in large excess in Haryana, Konkan and Coastal Mysore; in moderate excess in Vidarbha and Telangana; in slight excess in Gangetic West Bengal, West Uttar Pradesh, Punjab, East Rajasthan Madhya Maharashtra, Marathwada and North Interior Mysore; normal in Bay Islands, Sub-Himalayan West Bengal Bihar, East Uttar Pradesh, Madhya Pradesh and Gujarat. It was in slight defect in Orissa, Himachal Pradesh South Interior Mysore and Kerala, in moderate defect in North Assam, Coastal Andhra Pradesh and Arabian Sea Islands; in large defect in South Assam, Jammu and Kashmir, west Rajasthan, Saurashtra-Kutch, Rayalaseema and Tamil Nadu.

The mean maximum temperature was above normal in Jammu and Kashmir and west Rajasthan; below normal in Haryana and normal over the rest of the country.

The mean minimum temperature was below normal in Bihar Plains, west Uttar Pradesh and Jammu and Kashmir and normal over the rest of the country.

The mean Relative Humidity in the morning was above normal in Haryana, below normal in west Rajasthan and normal over the rest of the country.

The mean Relative Humidity in the evening was above normal in Haryana; below normal in Rajasthan and Arabian Sea Islands and normal over the rest of the country.

The mean cloud amount in the morning was above normal in Uttar Pradesh; below normal in Himachal Pradesh, Jammu and Kashmir, Coastal Andhra Pradesh and Rayalaseema and normal over the rest of the country.

The mean cloud amount in the evening was below normal in Himachal Pradesh, west Rajasthan and Saurashtra-Kutch and normal over the rest of the country.

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

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

Poona - 5;
5th October, 1969.

Y.P. RAO,
for Director General of Observatories.

SG

TABLE I - DIVISIONAL AND SUB-DIVISIONAL MEANS - SEPTEMBER,1969BHADRA 10 - ASVINA 8,1891 SAKA)

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1		3	4	5	6	7		
1.ASSAM(INCLUDING.	172.1	59	31.9	23.6	82	79	5.2	4.5
NEFA,N.L.ETC) .	-117.9		+0.4	-0.4	- 2	- 3	-0.6	-0.7
2.WEST BENGAL .	336.8	110	31.5	24.9	83	81	5.7	5.6
.	+ 31.6		-0.3	-0.5	0	0	0.0	-0.2
3.ORISSA .	223.9	84	31.5	24.4	85	79	5.4	5.5
.	- 43.9		+0.5	-0.2	+ 2	- 2	-0.4	-0.8
4.BIHAR .	240.9	104	31.4	24.1	84	81	5.6	5.7
.	+ 8.5		-0.4	-0.9	+ 2	+ 3	+0.3	-0.1
5.UTTAR PRADESH .	213.0	111	31.6	23.6	84	76	4.9	4.7
.	+ 20.8		-0.7	-0.7	+ 3	+ 4	+0.9	+0.6
6.HARYANA(INCLU. .	220.6	152	32.8	23.4	83	67	2.8	2.7
DELHI CHANDIGARH).	+ 75.9		-1.4	-0.2	+ 8	+ 9	+0.2	+0.1
7.PUNJAB .	140.6	117	34.1	23.0	77	60	2.1	2.1
.	+ 20.3		-0.4	-0.5	+ 2	+ 2	-0.3	-0.4
8.HIMACHAL .	164.3	83	30.4	19.8	91	75	3.2	2.8
PRADESH .	- 34.4		-0.3	-0.7	+ 4	+ 5	-1.3	-1.5
9.JAMMU AND .	23.2	24	27.0	13.4	70	0	1.8	0.0
KASHMIR .	- 73.5		+1.2	-1.3	- 5	0	-0.5	0.0
10.RAJASTHAN .	88.3	91	35.4	23.9	70	48	2.8	3.0
.	- 8.5		+1.6	-0.1	- 6	- 9	-0.2	-0.6
11.MADHYA PRADESH .	209.6	100	30.8	22.7	84	73	5.1	5.3
.	- 1.0		+0.3	0.0	+ 1	+ 1	-0.1	-0.3
12.GUJARAT STATE .	96.3	72	32.6	24.0	82	62	4.1	3.6
(INCLU.DIU ETC).	- 37.3		+0.8	-0.2	- 2	- 6	-0.5	-0.9
13.MAHARASHTRA .	316.1	146	29.8	22.1	85	71	5.3	5.5
STATE(INCL.GOA).	+ 99.7		-0.3	-0.4	+ 1	0	-0.1	-0.4
14.ANDHRA PRADESH .	129.3	80	32.0	23.7	77	65	4.5	5.3
.	- 32.6		+0.1	-0.6	- 2	- 3	-1.2	-0.9
15.TAMILNADU .	23.2	25	34.4	24.6	68	58	4.6	5.7
(INCL.PONDICH.).	- 68.2		+0.9	0.0	- 3	- 4	-0.2	+0.4
16.MYSORE .	243.5	135	28.3	20.8	85	70	5.8	6.2
.	+ 63.2		-0.5	-0.2	0	0	-0.2	-0.1
17.KERALA .	159.5	75	30.0	23.2	87	78	6.0	6.2
.	- 52.2		+0.4	-0.3	+ 1	0	+0.4	+0.1
SUB-DIVISION								
SUB-DIVISION								
1.BAY ISLANDS .	374.7	94	29.8	23.4	85	86	6.0	6.1
.	- 25.5		+0.6	-0.6	+ 1	- 2	-0.2	-0.2
2.NORTH ASSAM .	194.3	69	32.4	23.9	83	79	5.2	4.3
(INCLUDING NEFA) .	- 87.3		+0.5	-0.5	- 1	- 3	-0.5	-0.6
3.SOUTH ASSAM .	124.6	40	30.9	23.0	81	78	5.2	5.0
(INCL.N.LAND ETC).	-183.4		+0.2	-0.1	- 4	- 5	-0.8	-0.8
4.SUB-HIMALAYAN .	423.0	90	31.3	24.1	83	79	5.4	5.1
WEST BENGAL .	- 45.4		-0.2	-0.7	0	- 2	-0.3	-0.2
5.GANGETIC WEST- .	308.1	123	31.5	25.2	83	82	5.8	5.8
BENGAL .	+ 57.3		-0.4	-0.4	0	0	+0.1	-0.2
6.ORISSA .	223.9	84	31.5	24.4	85	79	5.4	5.5
.	- 43.9		+0.5	-0.2	+ 2	- 2	-0.4	-0.8
7.BIHAR PLATEAU .	223.5	99	31.1	24.0	84	79	5.7	6.1
.	- 3.0		0.0	-0.4	+ 2	0	+0.1	-0.3
8.BIHAR PLAINS .	252.5	107	31.7	24.1	84	82	5.5	5.4
.	+ 16.2		-0.6	-1.4	+ 2	+ 5	+0.5	+0.1
9.UTTAR PRADESH .	218.1	108	32.0	24.7	85	78	5.5	5.0
(EAST) .	+ 15.7		-0.7	-0.4	+ 3	+ 4	+1.2	+0.7
10.UTTAR PRADESH .	205.7	116	31.1	22.0	83	72	4.2	4.3
(WEST) .	+ 27.8		-0.8	-1.1	+ 4	+ 5	+0.7	+0.5
11.HARYANA(INCLU. .	220.6	152	32.8	23.4	83	67	2.8	2.7
DELHI CHANDIGARH).	+ 75.9		-1.4	-0.2	+ 8	+ 9	+0.2	+0.1
12.PUNJAB .	140.6	117	34.1	23.0	77	60	2.1	2.1
.	+ 20.3		-0.4	-0.5	+ 2	+ 2	-0.3	-0.4
13.HIMACHAL .	164.3	83	30.4	19.8	91	75	3.2	2.8
PRADESH .	- 34.4		-0.3	-0.7	+ 4	+ 5	-1.3	-1.5
14.JAMMU AND KASH- .	23.2	24	27.0	13.4	70	0	1.8	0.0
-MIR .	- 73.5		+1.2	-1.3	- 5	0	-0.5	0.0
15.RAJASTHAN(WEST).	14.5	26	37.7	24.6	66	37	2.2	2.4
.	- 40.8		+2.6	+0.2	- 8	-13	-0.2	-0.6
16.RAJASTHAN(EAST).	148.7	114	33.6	23.5	73	56	3.4	3.4
.	+ 17.9		+0.8	-0.1	- 4	- 6	0.0	-0.6
17.MADHYA PRADESH .	204.5	106	30.8	22.2	84	70	5.2	5.1
(WEST) .	+ 12.2		+0.4	-0.1	+ 1	+ 1	+0.1	-0.3
SUB-DIVISION								
SUB-DIVISION(CONTD)								
18.MADHYA PRADESH .	215.9	92	30.7	23.4	83	76	5.1	5.5
(EAST) .	- 17.6		+0.1	+0.2	0	+ 1	-0.2	-0.4
19.GUJARAT REGION .	191.6	109	32.8	23.9	83	60	4.3	3.8
(INCL.DAMAN ETC).	+ 16.2		+0.5	0.0	- 2	- 5	-0.6	-0.6
20.SAURASHTRAKUTCH.	37.6	35	32.5	24.1	82	64	4.0	3.5
(INCLUDING DIU) .	- 70.3		+1.0	-0.3	- 2	- 5	-0.4	-1.1
21.KONKAN .	532.8	166	28.6	24.1	89	83	6.0	5.7
(INCLUDING GOA).	+212.3		-0.6	0.0	+ 2	+ 2	+0.3	+0.1
22.MADHYA- .	177.4	125	30.1	20.9	83	66	4.7	5.3
-MAHARASHTRA .	+ 35.4		-0.3	-0.4	+ 1	+ 1	-0.4	-0.5
23.MARATHWADA .	217.8	125	29.6	20.5	83	63	5.4	5.9
.	+ 44.2		-0.6	-0.6	+ 1	- 1	+0.1	-0.2
24.VIDARBHA .	286.3	137	30.7	22.4	84	70	5.1	5.4
.	+ 77.2		0.0	-0.7	+ 1	- 1	-0.4	-0.7
25.COASTAL ANDHRA .	77.2	51	33.1	25.2	77	69	4.5	5.4
-PRADESH .	- 73.4		+0.6	-0.3	- 2	- 3	-1.2	-0.7
26.TELANGANA .	256.6	135	30.6	22.4	82	67	4.6	5.1
.	+ 67.2		-0.6	-1.0	+ 1	- 2	-1.0	-1.1
27.RAYALASEEMA .	23.6	17	32.1	22.8	72	55	4.4	5.6
.	-115.5		+0.2	-0.4	- 1	- 1	-1.4	-0.7
28.TAMILNADU .	23.2	25	34.4	24.6	68	58	4.6	5.7
(INCL.PONDICH.).	- 68.2		+0.9	0.0	- 3	- 4	-0.2	+0.4
29.COASTAL MYSORE .	626.7	190	28.4	22.5	91	84	5.9	6.1
.	+297.7		-0.2	-0.8	0	0	-0.4	-0.2
30.INTERIOR MYSORE.	175.2	116	29.1	20.7	84	66	5.7	6.4
(NORTH) .	+ 24.5		-0.3	-0.1	+ 1	- 1	0.0	+0.1
31.INTERIOR MYSORE.	111.7	85	27.4	20.0	83	67	5.8	5.9
(SOUTH) .	- 20.2		-1.0	+0.1	- 1	+ 2	-0.4	-0.4
32.KERALA .	159.5	75	30.0	23.2	87	78	6.0	6.2
.	- 52.2		+0.4	-0.3	+ 1	0	+0.4	+0.1
33.ARABIAN SEA- .	95.7	62	29.8	24.8	79	72	5.2	5.3
ISLANDS .	- 58.2		+0.1	-0.5	- 2	- 7	-0.2	-0.5

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

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — SEPTEMBER, 1969 BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
BAY ISLANDS																												
MAYA BANDAR	29.7	+1.0	31.9	20	23.2	-0.8	21.7	02	240.0	462.2	+ 47.0	159.0	12	16	- 3.3	14.5	10.6	+0.7	0	20	0	0	4	0	0	0	0	0
LONG ISLAND	30.4	+0.5	32.2	19	23.6	-0.5	22.0	13	240.8	491.8	+ 31.2	99.8	12	16	- 4.0	6.7	4.8	+2.4	0	19	0	0	3	0	0	0	0	0
PORT BLAIR	29.4	+0.7	31.6	20	23.4	-0.2	21.6	14	288.1	492.6	+ 43.0	115.0	12	12	- 7.6	21.8	14.8	-1.1	1	19	0	0	8	3	0	0	2	0
CAR NICOBAR	30.3	+0.4	31.8	29	22.9	-0.9	20.0	26	95.0	330.5	- 44.9	106.5	04	12	- 4.4	6.4	4.7	+0.1	0	15	0	0	0	0	0	0	0	0
NAN COWRY	30.0	+0.8	31.9	26	24.4	0.0	22.6	13	63.2	224.6	-105.3	46.2	03	13	- 4.7	10.9	7.4	-0.5	0	15	0	0	0	0	0	0	0	0
KONDUL	29.1	+0.4	30.5	22	22.8	-1.5	21.2	02	49.6	246.2	-124.3	40.1	03	14	- 4.2	8.4	7.8	+0.7	0	16	0	0	1	0	0	0	0	0
HUT BAY/LITTLE ANDAMAN	30.6	..	33.6	30	27.6	..	24.6	13	336.0	623.2	..	204.6	13	15	..	8.8	5.3	..	1	18	0	0	2	0	0	0	0	0
NORTH ASSAM (INCLUDING NEFA)																												
PASIGHAT	31.3	0.0	35.2	09	23.3	+0.2	20.5	18	108.4	399.7	-115.2	94.9	01	8	- 3.4	6.1	7.1	+2.3	1	14	0	0	7	0	0	0	0	0
DIBRUGARH (MOHANBARI)	31.7	+0.6	35.0	17	23.7	-0.1	21.5	18	8.1	158.1	-170.7	41.2	26	9	- 4.2	5.9	3.7	+0.7	2	11	0	0	6	1	0	0	0	0
DIGBOI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
NORTH LAKHIMPUR	32.1	+0.6	35.0	17	23.2	-0.7	21.2	13	8.6	359.9	-103.4	130.2	13	9	- 4.0	5.9	4.0	..	0	14	0	0	6	0	0	0	0	0
SIBSAGAR	34.4	+2.9	35.7	04	23.3	-1.4	20.0	08	0.0	101.8	-209.9	40.3	13	6	- 9.2	3.5	2.7	-1.9	0	6	0	0	0	0	0	0	0	0
GOHPUR	32.2	-0.1	34.6	17	24.1	+0.3	21.6	18	4.2	207.9	+ 44.6	124.1	13	8	+ 1.8	4.2	3.0	..	0	8	0	0	0	0	0	0	0	0
MAJBAT	32.8	..	35.5	15	23.2	..	21.4	18	70.4	166.9	- 54.2	114.4	13	4	- 5.2	5.8	3.3	+0.2	0	4	0	0	0	0	0	0	0	0
JORHAT AERODROME	32.9	..	35.3	17	24.6	..	22.4	18	5.8	218.1	..	66.4	13	11	..	..	..	..	1	12	0	0	12	1	0	0	0	0
TANGLA	32.8	+0.1	35.2	16	24.4	0.0	22.7	19	85.1	160.9	- 34.6	65.4	14	7	- 0.4	2.8	3.0	+1.3	0	10	0	0	0	0	0	0	0	0
TEZPUR	32.8	+1.1	35.4	17	24.3	-0.4	20.8	18	32.1	175.5	- 45.5	45.2	24	7	- 5.4	3.4	3.8	+1.5	0	9	0	0	1	0	0	0	0	0
GOLAGHAT	32.8	+0.6	39.6	17	22.2	-2.3	20.4	18	34.4	118.8	- 70.9	33.0	13	7	- 2.6	2.8	2.5	..	0	13	0	0	0	0	0	0	0	0
RANGIA	32.5	-0.1	34.6	23	24.8	+0.5	22.6	18	18.6	88.0	- 71.6	45.0	24	6	- 0.3	6.8	4.2	..	0	10	0	0	2	0	0	0	0	0
CHAPARMUKH	33.4	+0.1	35.1	07	25.7	+0.4	24.3	14	..	188.6	- 44.7	44.2	01	7	- 3.5	.	2.0	..	0	8	0	0	0	0	0	0	0	0
GOALPARA	32.7	-0.1	35.6	24	22.0	-2.6	18.9	29	30.4	98.2	-209.0	23.4	06	7	- 1.7	4.4	2.8	+0.6	0	10	0	0	0	0	0	0	0	0
GAUHATI (BHORJOR)	31.9	+0.2	34.0	16	24.2	-0.5	22.4	29	135.1	229.7	+ 39.2	75.9	07	8	- 0.8	6.9	4.5	..	3	15	0	0	16	0	0	0	1	0
DHUBRI (RUPSI)	31.7	-0.1	35.1	17	24.0	-0.7	21.5	27	59.9	307.9	- 52.4	87.2	06	9	- 1.5	7.7	5.8	+1.9	1	16	0	0	17	1	0	0	0	0
DHUBRI	30.7	0.0	35.3	18	24.7	0.0	22.2	27	75.6	152.0	-211.2	49.4	06	8	- 4.7	10.1	8.3	+3.0	0	10	0	0	0	0	0	0	0	0
LUMDING	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BONGAIGAON	17.9	..	20.5	03	9.9	..	8.3	22	0.0	143.8	..	29.0	06	14	..	..	..	..	0	18	0	0	0	27	0	0	0	0
TAWANG	14.7	..	16.7	13	8.4	..	4.4	28	31.2	43.9	..	12.4	13	5	..	..	..	..	0	5	0	0	0	0	0	0	0	0
TEZU	32.7	..	35.7	09	22.8	..	21.1	20	2.4	158.6	..	45.0	12	6	..	1.8	1.3	..	0	12	0	0	0	0	0	0	0	0
ALONG	30.1	..	34.6	10	23.1	..	20.3	19	36.2	184.7	..	39.9	13	9	..	..	..	..	0	12	0	0	0	0	0	0	0	0
ZIRO	25.8	..	29.8	16	15.4	..	12.2	20	188.2	356.5	..	89.6	25	14	..	9.8	5.3	..	0	19	0	0	0	17	0	0	0	0
KHONSA	28.6	..	31.5	29	21.1	..	17.1	19	244.8	397.2	..	60.8	14	22	..	..	..	..	0	22	0	0	0	0	0	0	0	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																												
TURA	29.8	+0.3	32.9	05	23.2	+0.5	21.9	30	163.5	359.0	- 94.5	75.1	06	17	+ 0.9	5.4	4.7	-0.4	1	19	0	0	0	0	0	0	0	0
HAFLONG	27.6	-1.0	30.6	17	22.0	+0.7	20.0	20	23.6	119.8	-117.3	75.8	25	5	- 7.2	..	..	..	0	9	0	0	1	0	0	0	0	0
SILCHAR (KUMBHIRGRAM)	33.5	+1.1	37.0	05	24.2	+0.3	22.1	20	2.0	92.4	-258.4	32.7	11	5	- 8.8	7.3	6.4	+1.1	1	11	0	0	5	2	0	0	0	0
SILCHAR	31.0	-0.6	34.4	05	25.4	+0.7	23.2	20	8.8	61.0	-342.1	24.0	11	5	-12.1	0.1	0.0	-1.6	0	10	0	0	0	0	0	0	0	0
IMPHAL (TULIHAL)	29.3	+0.5	31.4	23	17.7	-2.8	14.5	30	24.2	40.5	- 95.2	9.6	06	5	- 5.4	7.2	4.4	0.0	2	11	0	0	3	2	0	0	0	0
KAILASHAHAR	32.8	+0.6	34.9	05	24.3	-0.1	22.1	09	40.0	111.9	-181.1	55.0	09	8	- 5.0	6.9	4.8	+1.9	1	13	0	0	15	1	0	0	0	0
AGARTALA	32.4	+0.7	34.6	05	24.0	-0.5	22.0	30	41.8	87.6	-195.4	14.2	24	9	- 4.7	8.4	6.1	-0.2	0	16	12	5	21	2	0	0	1	0
TUENSANG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MOKOKCHUNG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SUB-HIMALAYAN WEST BENGAL																												
BAGHDOGRA	31.4	-0.3	34.7	17	23.2	-0.7	20.5	27	143.2	445.6	+ 11.9	106.6	02	16	+ 1.8	..	..	..	0	19	0	0	10	0	0	0	0	0
JALPAIGURI	30.8	+0.1	34.4	17	23.8	-0.6	20.2	27	96.8	449.0	-111.6	124.0	02	16	- 1.2	6.2	5.6	+0.5	0	16	0	0	5	1	0	0	0	0
COOCH BEHAR AERODROME	31.2	-0.8	35.1	17	23.6	-1.5	20.4	27	49.4	485.3	-106.5	141.6	01	15	- 1.1	6.4	4.3	+0.6	2	18	0	0	11	0	0	0	0	0
BALURGHAT	32.2	..	35.6	17	24.9	..	22.6	26	160.1	392.5	..	132.3	26	15	..	6.5	5.4	..	0	16	0	0	4	0	0	0	0	0
MALDA	31.8	+0.1	34.7	05	25.7	-0.1	23.2	26	91.0	312.2	+ 24.9	106.6	26	13	+ 1.6	4.5	3.6	-2.9	0	16	0	0	16	0	0	0	0	0
HASHIMARA AERODROME	32.6	..	36.0	17	22.5	..	19.8	27	37.6	401.0	..	161.0	18	12	..	..	..	..	1	15	0	0	14	0	0	0	0	0
GANGETIC WEST BENGAL																												
BERHAMPORE	32.1	-0.7	35.2	16	25.3	-0.5	23.4	26	129.2	237.5	+ 8.9	79.4	26	16	+ 4.4	3.8	2.5	-1.2	0	19	0	0	3	0	0	0	0	0
SURI	29.6	-2.1	34.1	05	25.0	-0.2	22.6	26	..	160.6	-160.1	52.0	26	9	- 3.0	.	6.6	-0.5	0	12	0	0	0	0	0	0	0	0
ASANSOL	31.9	0.0	35.0	05	24.9	-0.4	22.4	28	88.7	246.9	+ 33.5	53.0	21	14	+ 3.0	7.6	5.8	-0.4	0	16	0	0	11	0	0	0	0	0
SHANTI NIKETAN	31.7	..	34.6	05	25.2	..	23.2	28	41.2	99.0	..	24.7	20	9	..	3.8	3.2	..	0	15	0	0	11	0	0	0	0	0
KRISHNANAGAR	32.7	-0.2	36.3	17	24.0	-1.5	22.3	25	124.6	318.4	+121.8	135.5	25	15	+ 3.8	6.6	4.9	+0.5	1	18	0	0	4	0	0	0	0	0
PURULIA	30.8	-0.6	34.2	02	24.2	-0.1	22.5	27	44.6	222.6	- 46.6	45.0	06	14	+ 1.0	7.7	5.7	+1.0	0	17	0	0	8	0	0	0	0	0
BANKURA	33.0	..	35.0	17	25.1	..	23.5	28	72.7	179.5	- 17.4	45.8	11	10	- 0.7	2.7	2.2	..	0	15	0	0	0	0	0	0	0	0
BURDWAN	33.0	+0.8	35.5	01	25.6	-0.1	23.4	26	72.2	186.4	- 30.5	49.2	20	8	- 3.1	..	..	..	1	10	0	0	1	0	0	0	0	0
CALCUTTA (DUM DUM)	31.7	-0.3	34.6	17	25.6	-0.3	23.8	21	200.7	402.2	+115.8	78.8	17	18	+ 4.6	10.8	8.1	-0.3	1	21	0	0	13	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – SEPTEMBER, 1969 BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	F=8	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
GANGETIC WEST BENGAL (CONTD.)																												
CALCUTTA	32.1	-0.2	35.4	17	25.6	-0.5	23.9	21	153.3	339.9	+ 87.2	55.7	05	14	+ 0.6	7.4	6.1	+1.5	0	16	0	0	13	0	0	0	0	0
MIDNAPORE	31.5	-0.6	34.8	04	25.0	-0.6	22.5	27	142.8	410.8	+184.0	85.4	10	15	+ 2.8	4.5	3.3	-0.7	0	19	0	0	0	0	0	0	0	0
CONTAI	31.0	-0.1	33.9	05	25.3	-0.6	22.8	26	153.4	494.7	+149.9	137.2	10	16	+ 1.9	10.4	8.0	+0.4	0	18	0	0	2	0	0	0	0	0
SAGAR ISLAND	30.4	-0.1	32.4	05	26.2	-0.4	23.1	26	142.6	497.7	+241.7	118.4	10	14	+ 1.0	16.3	15.7	-0.9	0	19	0	0	5	0	0	0	2	0
SANDHEADS	30.9	..	34.2	04	27.1	..	22.6	26	68.8	266.2	+129.8	49.8	26	12	+ 3.5	..	..	..	0	14	0	0	1	0	0	0	0	0
BAGATI	32.0	..	35.1	05	24.3	..	22.1	25	52.2	251.6	..	101.3	05	13	..	6.9	5.3	..	0	17	0	0	1	0	0	0	0	0
ORISSA																												
BARIPADA	31.9	-0.3	34.5	03	24.9	0.0	23.5	29	156.7	338.8	- 67.2	63.0	19	14	- 3.0	1.9	0.9	-0.8	0	20	0	0	13	0	0	0	0	0
JHARSUGUDA	32.0	+0.7	34.9	03	24.4	0.0	22.9	25	112.7	185.2	- 70.5	51.2	17	8	- 5.1	9.2	7.0	-0.2	2	13	0	0	13	0	0	0	0	0
KEONJHARGARH	30.6	+0.9	37.9	07	24.4	+1.4	23.3	23	89.0	208.0	- 95.2	39.0	19	12	- 1.2	..	..	..	0	15	0	0	0	0	0	0	0	0
BALASORE	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
SAMBALPUR	33.1	+1.6	35.1	03	23.3	-1.5	21.9	08	23.0	65.6	-161.5	14.4	20	9	- 2.4	..	..	..	0	10	0	0	2	0	0	0	0	0
ANGUL	31.5	-0.1	34.2	03	22.4	-2.5	20.3	28	74.2	201.4	+ 6.6	34.6	28	16	+ 4.4	..	..	..	0	19	0	0	0	0	0	0	0	0
CHANDBALI	31.4	-0.1	33.9	13	25.1	-0.6	23.0	25	108.2	293.2	+ 29.0	60.2	20	17	+ 4.3	10.5	10.0	+1.8	0	18	0	0	0	0	0	0	0	0
BOLANGIR	32.5	+1.0	35.1	03	27.0	+2.6	22.5	03	37.7	204.9	-121.2	115.0	16	7	- 5.6	3.5	6.4	-0.2	0	10	0	0	0	0	0	0	0	0
PHULBANI	29.9	..	33.0	03	21.6	..	20.2	02	79.5	269.5	..	100.0	02	13	..	5.9	5.6	..	0	14	0	0	3	0	0	0	0	0
CUTTACK	32.5	+0.3	35.5	03	26.1	+0.6	24.5	20	140.8	167.2	- 69.3	33.4	11	10	- 3.0	5.8	4.3	-0.5	1	14	0	0	3	0	0	0	0	0
TITLAGARH	32.7	+1.6	35.6	03	24.6	+0.4	23.8	21	68.0	137.7	-167.5	35.0	08	9	- 4.4	3.4	3.7	+1.0	0	11	0	0	6	0	0	0	.	0
BHUBANESWAR	31.6	+0.2	33.7	03	24.7	-0.4	23.5	27	70.0	214.2	- 90.8	59.5	29	15	+ 1.6	12.9	9.9	-1.0	0	19	0	0	13	0	0	0	0	0
PURI	31.7	+0.3	34.2	15	26.7	+0.1	22.1	20	42.8	176.9	- 50.9	51.2	09	13	+ 0.6	8.2	6.8	-0.1	0	16	0	0	0	0	0	0	0	0
GOPALPUR	31.8	+0.2	34.4	14	24.5	-1.3	22.2	19	178.8	463.1	+267.8	148.5	19	14	+ 4.8	..	..	..	0	17	0	1	9	0	0	0	0	0
KORAPUT	26.5	+0.2	28.8	05	19.7	-0.4	18.2	26	97.6	254.8	+ 20.5	61.8	19	16	+ 2.1	..	..	..	0	18	0	0	0	0	0	0	0	0
PARADIP PORT	33.5	..	35.2	29	25.8	..	23.9	10	97.6	340.6	..	72.8	10	19	..	25.2	22.9	..	0	20	0	0	0	0	0	0	0	0
ROURKELA	31.8	..	34.2	02	24.7	..	23.3	25	65.1	150.9	..	54.0	10	13	..	..	..	..	0	19	0	0	4	1	0	0	0	0
BHOWANI PATNA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	.	.
BIHAR PLATEAU																												
DUMKA	31.3	-0.6	34.3	18	24.0	-0.7	21.2	27	162.4	205.9	- 31.6	47.5	20	14	+ 2.0	4.7	5.7	+1.3	0	18	0	0	0	0	0	0	0	0
DALTONGANJ	32.3	+1.4	35.5	02	23.5	-0.9	21.0	23	116.0	216.4	+ 19.5	62.0	20	11	+ 1.1	10.1	6.8	+2.2	0	13	0	0	0	0	0	0	0	0
HAZARIBAGH	..	..	..	..	..	..	..	..	76.5	149.1	- 70.6	36.4	02	10	- 1.6	8.8	6.7	-1.2	1	15	0	0	7	1	0	0	0	0
DHANBAD	30.6	-0.6	33.8	05	24.6	+0.3	22.0	27	111.9	338.8	+112.9	110.4	14	14	+ 3.0	10.1	6.3	-1.3	0	16	0	0	1	0	0	0	0	0
RANCHI AERODROME	28.3	-0.2	30.9	02	21.8	-0.5	19.4	28	92.1	249.3	+ 35.5	85.3	15	14	+ 0.1	16.2	12.7	+2.6	0	17	0	0	7	0	0	0	0	0
JAMSHEDPUR	31.9	-0.2	34.5	03	25.0	-0.4	23.0	26	87.9	213.1	+ 19.6	43.6	11	15	+ 3.9	8.4	6.5	+0.7	0	19	0	0	5	0	0	0	0	0
JAMSHEDPUR P.B.O.	31.7	+0.2	34.6	02	24.7	-0.2	22.6	26	45.5	138.7	-131.1	26.2	11	12	- 0.1	7.9	5.6	-0.2	0	15	0	0	14	0	0	0	0	0
CHAIBASA	31.6	-0.1	34.0	03	24.1	-0.6	22.3	28	80.9	218.3	+ 21.4	71.2	10	12	+ 0.3	3.9	2.5	0.0	0	16	0	0	11	0	0	0	0	0
BIHAR PLAINS																												
MUZFFARPUR	32.2	+0.2	35.9	17	23.7	-1.5	21.2	27	193.8	489.2	+246.9	95.2	14	10	- 0.1	..	..	..	0	14	0	0	1	0	0	0	0	0
DARBHANGA	31.1	-1.9	35.0	17	24.8	+0.3	21.5	27	45.4	286.5	+ 17.1	108.2	14	10	0.0	10.9	7.8	+1.4	2	17	0	0	9	0	0	0	0	0
MUZAFFARPUR	32.1	-0.1	35.1	02	24.3	-1.5	21.4	27	190.1	215.1	- 27.2	92.1	26	11	+ 1.2	5.7	4.9	+0.2	0	15	0	0	2	0	0	0	0	0
CHAPRA	31.5	..	33.8	02	25.4	..	23.0	19	147.5	192.5	- 30.8	42.2	15	13	+ 3.4	7.4	5.0	..	0	19	0	0	8	0	0	0	0	0
PURNEA	32.2	..	34.6	02	25.7	..	23.3	27	148.2	298.8	+ 77.9	50.6	24	15	+ 6.1	7.9	6.0	..	1	16	0	0	2	0	0	0	0	0
PATNA AERODROME	31.4	-0.8	35.4	17	22.5	-2.8	18.5	27	133.0	265.0	- 3.2	76.6	27	11	- 0.9	4.5	3.4	-0.6	0	15	0	0	0	0	0	0	0	0
PATNA	31.3	-0.7	34.3	02	25.7	-0.1	22.2	27	97.7	244.8	+ 3.6	75.4	11	10	- 0.8	8.8	6.6	+0.5	1	16	0	0	11	0	0	0	1	0
GAYA	..	..	..	..	..	..	..	..	..	21.2	-229.4	5.0	03	5	- 5.0	..	..	..	0	7	0	0	0	0	0	0	0	0
BHAGALPUR	31.6	-0.9	35.6	18	25.4	-0.5	22.0	27	179.0	287.5	+ 41.9	64.0	26	14	+ 3.1	8.7	6.9	+0.9	0	18	0	0	5	0	0	0	0	0
SABAUR	31.4	-0.7	35.1	18	23.5	-2.3	19.7	27	129.0	244.6	+ 28.2	79.2	26	13	+ 2.7	9.3	7.3	+0.2	1	17	0	0	14	0	0	0	0	0
JAMUI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
DEHRI	32.2	+0.2	35.4	02	22.4	-3.1	19.0	28	58.3	171.4	- 43.5	49.0	14	10	+ 0.9	5.2	4.5	-0.3	0	12	0	0	0	0	0	0	0	0
GAYA	32.1	-0.5	35.0	05	25.0	-0.6	22.7	27	29.8	305.8	+112.4	73.3	13	12	+ 1.7	12.0	9.9	+1.1	2	16	0	0	17	0	0	0	0	0
SUPAUL	..	..	..	..	25.7	..	24.1	18	117.0	276.5	..	67.0	19	15	..	.	8.9	..	0	15	0	0	0	0	0	0	0	0
UTTAR PRADESH EAST																												
KHERI	31.7	-1.0	34.5	03	25.0	+0.1	21.9	24	177.2	339.5	+185.0	107.2	20	13	+ 5.7	5.0	3.7	+1.0	0	15	0	0	8	0	0	0	0	0
BAHRAICH	31.6	-1.1	34.0	03	25.1	0.0	21.1	24	49.2	217.8	- 9.0	44.8	23	11	+ 3.0	9.8	7.8	+2.4	1	12	0	0	8	0	0	0	0	0
NAUTANWA	32.1	-0.4	35.6	17	23.3	-2.1	19.4	24	35.6	303.9	+ 77.9	207.2	24	7	- 1.5	7.8	5.3	0.0	0	8	0	0	0	0	0	0	0	0
HARDOI	31.8	-1.3	34.2	03	25.5	+0.4	22.7	24	27.8	120.2	- 59.4	99.2	23	4	- 2.6	7.3	6.6	+0.9	0	4	0	0	0	0	0	0	0	0
GONDA	32.0	-0.5	38.0	15	23.8	-1.1	20.6	24	75.5	209.4	- 35.2	47.0	23	11	+ 0.7	5.9	5.1	+0.5	0	11	0	0	1	0	0	0	0	0
LUCKNOW	31.7	-1.3	34.0	03	24.4	-0.7	21.2	24	123.2	289.6	+ 51.5	70.4	23	13	+ 4.4	..	..	..	0	16	0	0	0	0	0	0	0	0
LUCKNOW (AMAUSI)	32.0	-0.9	35.0	03	24.9	0.0	22.1	24	115.4	218.2	+ 71.9	64.8	23	11	+ 3.7	13.5	10.1	+3.0	3	14	0	0	8	0	0	0	0	0
FAIZABAD	32.1	-0.3	36.0	03	25.0	+0.7	22.4	25	51.8	187.0	+ 9.4	48.9	23	10	+ 0.4	5.7	3.9	+0.4	0	14	0	0	3	0	0	0	0	0
GORAKHPUR	32.3	-0.3	34.3	06	23.9	-1.7	21.9	28	41.0	146.6	- 82.8	47.2	04	9	- 1.0	6.6	5.0	+1.7	0	15	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - SEPTEMBER,1969(BHADRA 10 - ASVINA 8,1891 SAKA).

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																												
KANPUR	31.7	-1.0	35.3	03	24.5	-0.4	21.9	24	81.0	162.7	- 16.4	63.6	23	7	- 0.6	12.8	9.8	+0.8	1	16	0	0	2	0	0	0	0	0
KANPUR (AERODROME)	32.3	..	36.0	03	24.9	..	21.7	30	74.3	154.0	..	66.8	23	9	..	..	..	..	1	12	0	0	11	0	0	0	0	0
SULTANPUR	31.6	-0.9	34.8	03	24.9	-0.2	21.9	25	144.8	260.0	+ 50.8	81.2	06	13	+ 6.0	5.4	4.9	+0.1	0	14	0	0	3	0	0	0	0	0
AZAMGARH	31.9	0.0	37.4	14	24.6	-0.7	22.9	28	96.0	208.2	- 35.4	61.4	06	8	- 1.6	4.0	2.7	..	0	15	0	0	0	0	0	0	0	0
FATEHPUR	31.6	-1.1	35.0	03	24.8	-0.2	22.2	30	91.4	211.5	+ 56.6	66.0	23	13	+ 5.0	..	..	..	0	16	0	0	2	0	0	0	0	0
BALLIA	32.1	-1.2	34.4	24	25.3	+0.2	22.4	13	123.6	238.6	+ 77.3	48.8	18	12	+ 4.2	5.2	5.3	+0.2	0	12	0	0	0	0	0	0	0	0
BANDA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
ALLAHABAD (BAMHRAULI)	32.7	-0.1	35.3	03	25.0	-0.2	22.8	30	82.3	124.2	- 93.2	37.6	22	11	+ 2.5	7.2	4.7	-1.9	1	12	0	0	10	0	0	0	0	0
VARANASI (BABATPUR)	32.0	-0.4	34.8	04	25.1	-0.3	23.0	04	233.5	294.0	+ 33.0	122.0	06	12	+ 2.0	13.6	10.1	+1.3	0	16	0	0	9	0	0	0	0	0
VARANASI	32.3	-0.4	34.3	06	25.5	+0.1	23.9	26	140.4	195.5	- 12.5	39.8	23	12	+ 2.9	6.6	5.6	-0.8	0	15	0	0	0	0	0	0	0	0
UTTAR PRADESH WEST																												
MUKHIM	2[illegible].9	-0.3	25.2	15	14.4	-1.3	11.0	10	32.7	89.1	-152.7	33.4	08	4	- 8.7	..	..	..	0	4	0	0	4	1	0	0	0	0
TEHRI	30.6	-1.7	34.9	03	20.7	-1.0	16.5	27	34.4	113.2	- 32.0	30.5	08	9	+ 1.2	2.0	1.0	..	2	9	0	0	4	0	0	0	0	0
DEHRA DUN	28.8	-0.8	31.2	14	19.9	-1.4	16.8	25	108.0	282.4	- 22.1	108.4	03	12	+ 0.2	3.9	2.7	-0.1	1	17	1	0	7	0	1	0	0	0
MANSIARI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
ROORKEE	31.6	-0.8	34.8	03	22.2	-1.2	19.1	27	85.6	212.5	+ 31.6	36.1	16	10	+ 3.8	3.1	2.0	-2.2	0	10	0	0	5	0	0	0	0	0
NAJIBABAD	30.9	-1.8	33.5	06	22.3	-1.2	18.8	27	87.3	307.2	+127.2	71.1	07	15	+ 8.1	8.6	6.4	+1.8	0	15	0	0	0	0	0	0	0	0
MEERUT	32.6	-0.8	37.0	04	20.5	-3.8	17.0	24	..	279.0	+127.9	135.0	10	7	+ 1.6	.	6.2	+0.2	0	7	0	0	0	0	0	0	0	0
BAREILLY	31.7	-1.3	35.0	01	24.6	-0.1	20.4	25	88.6	276.6	+ 82.8	182.8	23	4	- 3.2	7.8	6.8	+2.6	2	8	0	0	0	0	0	0	0	0
ALIGARH	32.7	-0.8	38.4	03	24.1	-0.4	20.0	24	75.6	180.6	+ 23.9	51.8	23	8	+ 0.8	10.6	7.1	+0.7	1	10	0	0	0	0	0	0	0	0
MAINPURI	32.9	-0.8	37.2	03	24.6	-0.1	20.6	25	164.3	248.8	+111.1	118.5	23	6	- 0.7	..	..	..	0	10	0	0	0	0	0	0	0	0
AGRA	33.1	-0.1	38.5	03	24.6	0.0	20.9	30	40.0	106.3	- 27.6	31.0	22	6	- 0.1	6.2	4.6	+0.1	0	8	0	0	0	0	0	0	0	0
AGRA AERODROME	33.3	..	38.1	03	24.5	..	19.4	30	53.7	84.5	..	21.6	22	6	..	..	..	..	0	7	0	0	4	0	0	0	0	0
ORAI	32.3	-0.7	37.3	03	23.7	-0.4	20.8	30	88.6	230.0	+ 76.4	82.0	22	11	+ 3.5	10.4	8.3	+0.8	0	15	0	0	0	0	0	0	0	0
JHANSI	32.9	+0.4	36.4	01	22.1	-2.0	19.4	23	80.4	142.7	- 12.5	43.0	22	8	+ 0.8	3.0	3.2	-2.3	0	10	0	0	0	0	0	0	0	0
MORADABAD	30.8	..	36.0	02	22.2	..	18.1	24	129.0	439.0	..	121.8	23	10	..	4.7	4.9	..	0	11	0	0	1	0	0	0	0	0
UTTAR KASHI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
ASCOT	..	..	..	..	..	..	..	..	136.9	561.6	..	69.0	23	17	..	2.1	1.7	..	0	22	0	0	9	11	0	0	0	0
DHARCHULA	..	..	..	..	..	..	..	..	74.0	366.8	..	52.0	07	19	..	2.7	1.6	..	0	23	0	0	1	0	0	0	0	0
HARYANA (INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	32.2	-0.3	36.1	02	21.5	-0.7	19.2	24	148.0	318.0	+ 91.6	108.0	15	8	+ 1.3	..	..	..	0	10	0	0	1	0	0	0	0	0
AMBALA	31.7	-3.7	37.0	03	23.2	-0.7	20.2	25	195.2	290.2	+145.4	82.0	11	7	+ 1.9	7.1	5.5	+0.6	0	7	0	0	0	0	0	0	0	0
AMBALA AERODROME	32.4	..	36.0	02	22.6	..	19.4	27	168.1	178.4	..	86.1	11	5	..	..	..	..	0	7	0	0	5	0	0	0	0	0
KARNAL	32.2	-1.1	36.7	06	23.5	-0.1	20.5	24	94.8	143.8	+ 7.6	111.0	11	5	- 0.4	..	..	..	0	6	0	0	0	0	0	0	0	0
HISSAR	34.5	-1.2	39.9	02	24.0	+0.1	20.0	30	49.6	154.2	+ 73.2	94.5	11	6	+ 2.5	10.9	6.5	-0.4	0	6	0	0	5	0	0	0	0	0
NEW DELHI/SAFDARJUNG	33.2	-0.9	38.2	06	24.6	0.0	20.8	24	89.6	196.7	+ 61.8	78.0	10	6	+ 1.1	10.5	6.8	-2.8	0	8	0	0	2	0	0	0	0	0
PALAM AERODROME	33.0	..	38.8	02	22.5	..	17.5	30	130.0	245.4	..	96.0	08	5	..	..	..	..	0	8	0	0	6	0	0	0	0	0
GURGAON	33.4	..	38.6	05	23.1	..	20.1	19	118.6	263.0	..	75.0	11	6	..	4.5	3.3	..	0	8	0	0	0	0	0	0	0	0
NARNAUL	34.6	..	39.8	02	24.3	..	21.5	29	12.6	224.0	..	100.4	09	6	..	6.2	5.0	..	0	6	0	0	0	0	0	0	0	0
ROHTAK	33.7	..	38.8	02	22.5	..	18.8	30	125.5	279.0	..	134.3	11	5	..	12.8	10.3	..	0	7	0	0	4	0	0	0	0	0
PUNJAB																												
PATHANKOT	32.9	+0.1	35.8	02	22.1	-0.3	18.0	23	35.4	66.1	-105.2	21.5	12	5	- 2.5	..	..	..	1	6	0	0	6	0	1	0	0	0
AMRITSAR	35.1	+0.7	39.3	04	23.0	-0.3	20.4	30	71.2	71.2	- 23.9	47.8	12	2	- 1.8	..	..	..	0	3	0	0	1	0	0	0	0	0
ADAMPUR AERODROME	34.0	..	37.8	03	21.1	..	18.0	26	59.3	175.9	..	75.2	11	6	..	..	..	..	0	7	0	0	5	1	0	0	0	0
LUDHIANA	34.7	-0.6	40.9	03	23.9	0.0	21.4	18	54.4	94.0	- 21.8	49.0	11	3	- 1.0	5.3	3.7	+0.8	0	6	0	0	2	0	0	0	0	0
FEROZEPUR	34.5	-0.1	39.4	01	21.5	-1.9	19.0	11	11.4	127.2	+ 4.9	58.8	12	3	- 0.4	2.0	1.8	-0.2	0	5	0	0	0	0	0	0	0	0
HALWARA AERODROME	34.7	..	40.6	03	22.8	..	19.3	30	40.1	107.8	..	69.9	11	3	..	..	..	..	0	5	0	0	3	1	0	0	0	0
PATIALA	32.7	-1.7	37.4	03	23.3	-0.5	20.0	27	234.0	379.8	+267.3	204.4	11	7	+ 2.4	5.7	7.2	+1.3	1	7	0	0	0	0	0	0	0	0
BHATINDA	34.7	-0.7	40.4	01	24.0	+0.1	20.4	18	94.0	105.2	+ 0.2	43.0	14	4	0.0	5.6	4.0	-0.7	0	5	0	0	0	0	1	0	0	0
HIMACHAL PRADESH																												
MANDI	30.4	+0.5	33.3	04	18.4	-0.9	14.5	29	44.2	134.5	- 88.9	26.8	14	10	- 2.9	..	..	..	1	13	0	0	1	0	0	0	0	0
BILASPUR	30.4	-1.0	33.5	03	21.2	-0.4	18.5	24	69.0	194.0	+ 20.0	51.0	16	11	+ 2.5	4.9	3.1	-0.2	0	11	0	0	1	0	0	0	0	0
JAMMU AND KASHMIR																												
MISGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GILGIT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SKARDU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DRAS	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SONAMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - SEPTEMBER, 1969 BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD)																												
LEH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SRINAGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SRINAGAR AERODROME	28.0	..	32.3	03	11.7	..	8.1	24	0.9	0.9	..	0.6	15	0	..	..	..	..	0	2	0	0	2	0	0	0	1	0
GULMARG	20.2	+2.0	25.7	03	5.3	-0.2	1.7	24	20.5	20.5	- 49.1	8.0	14	3	- 2.3	8.1	5.6	+0.5	0	5	0	0	3	0	0	0	0	0
DAZIGUND	26.8	..	30.3	01	10.7	..	6.6	27	0.8	9.0	..	6.8	14	1	..	..	..	..	0	3	0	0	3	0	0	0	0	0
BANIHAL	27.2	..	30.0	03	13.5	..	5.1	24	2.6	16.0	..	14.4	14	1	..	..	..	..	1	3	0	0	2	0	0	0	0	0
JAMMU	33.8	+0.5	36.6	07	21.4	-2.5	13.5	06	..	25.3	- 97.9	21.2	24	2	- 2.7	..	..	..	1	3	0	0	0	0	0	0	0	0
JAMMU AERODROME	33.3	..	36.5	07	23.1	..	18.7	24	52.4	71.7	..	30.0	24	4	..	..	..	..	1	8	0	0	8	0	0	0	0	0
GULMARG (RESEARCH INSTITUTE)	20.4	..	24.5	04	7.0	..	3.9	16	20.2	20.4	..	8.0	14	3	..	..	..	..	2	5	0	0	2	0	0	0	0	0
RAJASTHAN, WEST																												
GANGANAGAR	37.1	+0.5	40.8	01	..	..	..	..	6.6	8.4	- 87.0	6.1	11	1	- 2.6	6.8	4.8	-1.4	0	4	0	0	3	0	0	0	0	0
ANUPGARH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
CHURU	36.3	+1.3	40.4	04	23.1	-1.0	19.4	28	22.6	43.8	- 9.7	19.4	14	4	+ 0.5	11.6	8.2	-1.0	0	4	0	0	2	0	0	0	0	0
BIKANER	38.2	+1.6	40.2	08	25.8	+0.6	22.9	19	3.3	5.7	- 34.4	5.2	14	1	- 1.2	13.9	11.3	+1.9	0	2	0	0	1	0	0	0	0	0
NAGAUR	37.2	+3.4	39.7	24	23.9	-0.5	19.6	30	0.0	30.5	+ 3.1	24.2	08	2	- 0.3	12.6	8.7	-0.2	0	2	0	0	0	0	0	0	0	0
PHALODI	38.4	+2.9	40.6	24	23.9	-0.7	20.3	25	0.0	0.0	- 26.4	0.0	..	0	- 2.0	21.0	15.6	-1.0	0	0	0	0	0	0	0	0	0	0
JAISALMER	38.7	+2.4	41.8	24	24.1	-0.4	19.8	30	0.0	0.0	- 15.6	0.0	..	0	- 0.9	9.3	8.9	-7.2	0	0	0	0	0	0	0	0	0	0
JODHPUR	38.2	+3.5	40.5	21	25.7	+1.6	21.6	30	16.1	35.0	- 22.4	18.2	13	3	+ 0.4	..	..	..	0	3	0	0	1	0	0	0	0	0
BARMER	38.5	+3.2	41.3	18	25.5	+1.0	22.0	26	0.0	0.0	- 20.3	0.0	..	0	- 1.4	10.7	10.1	+0.5	0	0	0	0	0	0	0	0	0	0
ERINPURA (JAWAI DAM)	36.5	+4.8	39.6	18	24.9	+1.0	22.3	26	1.2	7.2	-154.1	6.0	11	1	- 6.4	4.1	3.3	-3.9	0	3	0	0	0	0	0	0	0	0
JALORE	37.5	..	40.4	18	..	..	..	..	12.0	12.0	..	12.0	09	1	..	12.0	12.0	..	0	1	0	0	1	0	0	0	0	0
RAJASTHAN, EAST																												
PILANI	34.9	+0.6	39.8	01	23.4	-0.7	17.7	28	122.4	172.8	+ 97.1	80.6	12	7	+ 1.5	12.2	8.8	-1.3	0	7	0	0	0	0	0	0	0	0
SIKAR	34.4	+0.7	39.1	01	22.4	-0.7	18.0	23	117.0	141.7	+ 78.5	65.4	13	5	+ 0.9	1.3	0.6	-6.7	0	5	0	0	0	0	0	0	0	0
ALWAR	33.1	-0.3	38.9	06	24.5	-0.4	20.5	28	230.0	478.8	+326.6	219.6	10	10	+ 2.8	6.8	4.4	+0.6	0	11	0	0	9	0	0	0	0	0
JAIPUR (SANGANER)	33.7	+0.5	38.3	06	23.7	+0.7	19.3	27	8.7	29.2	- 55.6	8.0	16	4	- 1.0	..	..	..	1	7	0	0	5	0	0	0	0	0
DHOLPUR	33.5	+0.1	39.6	04	23.3	-1.1	19.2	29	81.1	105.6	- 23.6	43.2	14	6	- 1.3	6.2	3.9	-1.5	1	9	0	0	5	0	0	0	0	0
AJMER	34.2	+2.1	38.4	05	25.5	+1.8	21.4	23	104.6	110.1	+ 37.2	35.4	13	6	+ 1.9	6.1	9.4	+1.0	0	7	0	0	0	0	0	0	0	0
TONK	34.3	+1.5	39.0	06	24.5	+0.5	19.3	27	34.8	158.6	- 1.8	70.6	10	4	- 3.6	12.0	8.0	+0.8	0	5	0	0	2	0	0	0	0	0
BHILWARA	33.2	..	36.4	03	22.9	..	18.5	27	..	112.9	..	47.9	12	5	..	.	8.1	..	0	8	0	0	2	0	0	0	0	0
KOTA	33.6	+0.5	37.2	03	25.3	+0.6	22.4	29	17.2	57.6	71.4	21.4	10	7	+ 1.0	7.7	6.6	+1.1	0	10	0	0	1	0	0	0	0	0
KOTA AERODROME	34.1	..	38.4	06	24.8	..	21.6	29	33.8	54.6	..	15.2	08	6	..	15.9	12.8	..	0	8	0	0	6	0	0	0	0	0
CHAMBAL (RAWAT BHATTA DAM)	32.9	+1.0	36.1	02	22.6	-0.2	18.1	30	71.5	136.2	-153.4	46.3	12	7	- 2.3	9.0	5.8	-0.1	0	9	0	0	4	0	0	0	0	0
UDAIPUR	31.6	+0.7	34.7	05	21.2	-0.9	16.7	29	78.2	170.7	+ 14.5	32.8	11	5	- 0.7	5.6	3.2	-0.5	0	7	0	0	6	0	0	0	0	0
JHALAWAR	33.4	+1.5	37.1	03	21.6	-1.6	16.7	30	31.3	124.8	- 51.4	48.9	08	7	- 1.2	8.5	6.7	+0.9	0	8	0	0	1	0	0	0	0	0
BANSWARA	31.8	..	35.5	02	22.3	..	18.9	30	37.2	92.6	..	28.2	10	7	..	..	..	..	0	7	0	0	0	0	0	0	0	0
DUNGARPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BUNDI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SAWAI MADHOPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MADHYA PRADESH, WEST																												
GWALIOR	32.7	+0.3	37.0	03	23.9	-0.5	19.4	28	..	105.2	- 73.0	50.6	22	6	- 1.5	.	6.9	+1.0	2	9	0	0	7	0	2	0	0	0
[illegible]	32.8	+0.3	37.7	06	23.5	0.0	19.4	27	41.0	133.8	+ 21.4	40.0	11	7	+ 1.0	10.2	7.5	+1.4	0	9	0	0	0	0	0	0	0	0
SEONI	30.7	..	35.2	05	21.0	..	16.5	29	54.2	177.6	..	88.2	11	8	..	12.3	8.2	..	0	10	0	0	0	0	0	0	0	0
NOWGONG	32.0	-0.5	37.1	03	23.9	+0.3	20.0	30	128.5	201.5	+ 38.9	36.6	23	12	+ 4.5	7.6	5.7	+1.3	0	14	0	0	0	0	0	0	0	0
GUNA	31.0	+0.3	35.0	05	22.2	+0.1	17.8	30	133.1	203.2	- 32.5	48.0	22	9	+ 0.7	13.4	9.2	+1.8	0	10	0	0	4	0	0	0	0	0
NIMACH	31.7	+1.0	35.2	03	24.5	+2.4	20.0	27	..	203.5	+ 69.9	132.0	12	6	- 0.4	.	10.5	+0.5	0	8	0	0	4	0	0	0	0	0
RAJGARH	32.3	+1.3	35.6	03	22.6	+0.3	18.0	30	..	44.3	-108.7	15.3	10	5	- 3.3	.	8.8	+0.2	0	7	0	0	1	0	0	0	0	0
SAGAR	31.3	+2.0	36.7	30	19.6	-2.1	17.3	18	24.8	134.4	- 61.4	42.0	21	5	- 4.7	10.7	10.6	+1.0	0	7	0	0	2	0	0	0	0	0
RATLAM	30.3	+0.1	34.1	30	21.7	-0.3	19.5	30	198.6	355.4	+ 93.9	121.0	12	10	+ 0.3	10.4	9.9	+2.2	2	11	0	0	8	0	0	0	0	0
BHOPAL (BAIRAGARH)	30.1	0.0	33.7	01	20.9	-1.0	17.7	28	73.0	161.0	- 79.0	35.9	21	11	+ 1.1	13.7	10.1	+1.1	0	14	0	0	10	0	0	0	2	0
UJJAIN	30.5	..	34.3	01	21.5	..	16.5	30	117.6	204.0	..	53.6	09	8	..	14.3	10.5	..	1	9	0	0	0	0	0	0	0	0
NARSINGHPUR	30.6	..	34.4	01	21.7	..	19.0	29	68.4	183.0	..	30.0	20	13	..	8.3	4.0	..	0	19	0	0	2	0	0	0	0	0
HOSHANGABAD	31.2	+0.5	34.5	02	22.7	-0.5	18.8	30	..	293.6	+ 78.2	73.8	09	14	+ 4.4	.	3.6	-0.8	0	18	0	0	1	0	0	0	0	0
INDORE	29.1	-0.2	33.3	29	21.0	0.0	17.6	30	..	259.6	+ 85.9	42.0	01	13	+ 4.5	.	16.5	-2.0	0	13	0	0	7	0	0	0	0	0
RAJPUR (JHABUA)	30.4	+0.1	34.2	30	22.6	+0.2	19.8	28	78.4	316.4	+147.9	105.6	09	10	+ 0.7	15.0	11.3	+2.1	0	13	0	0	0	0	0	0	0	0
CHHINDWARA	29.3	+0.3	32.4	05	21.5	+0.2	17.4	29	82.2	187.2	- 8.1	45.2	09	12	+ 0.8	..	..	..	0	15	0	0	0	0	0	0	0	0
SEONI	29.8	+0.6	33.2	03	22.0	+0.4	18.8	29	94.2	185.0	- 17.4	39.6	16	11	+ 0.3	10.9	6.8	+0.8	2	14	0	0	7	0	0	0	0	0
BETUL	28.1	-0.2	32.0	02	20.6	-0.4	16.0	29	..	282.0	+ 26.1	79.2	22	10	- 1.4	.	4.9	-1.2	0	13	0	0	4	0	0	0	0	0
KHANDWA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
TIKAMGARH	31.3	..	36.0	03	23.1	..	18.5	30	38.6	150.2	..	30.6	21	10	..	7.6	6.5	..	0	12	0	0	1	0	0	0	0	0
SHAJAPUR	30.2	..	33.7	06	22.3	..	18.1	30	..	130.8	..	36.8	22	8	..	.	5.7	..	0	11	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — SEPTEMBER, 1969 BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
MADHYA PRADESH (CONTD)																												
KANNOD	31.2	..	34.2	01	22.1	..	17.0	29	..	338.0	..	80.5	01	12	..	.	5.0	..	0	14	0	0	4	0	0	0	0	0
MADHYA PRADESH, EAST																												
SATNA	31.2	-0.3	34.1	04	23.9	+0.1	21.7	30	144.1	278.7	+ 95.6	48.0	17	11	+ 1.8	7.8	6.5	+1.2	0	16	0	0	11	0	0	0	0	0
REWA	30.5	..	34.1	04	24.6	..	23.0	30	120.0	223.0	..	76.2	18	14	..	7.8	4.8	..	0	17	0	0	10	0	0	0	0	0
SIDHI	32.3	+0.4	39.0	11	24.6	+0.9	22.0	30	97.9	142.7	- 94.6	62.0	11	7	- 4.2	5.6	4.1	-1.4	0	11	0	0	6	0	0	0	0	0
UMARIA	30.8	+0.3	34.7	03	23.1	+0.3	20.1	29	63.5	90.6	-145.3	20.5	21	8	- 3.1	7.7	5.2	+0.7	1	12	0	0	12	0	0	0	0	0
JABALPUR	31.6	+0.8	36.1	01	23.6	+0.5	20.6	29	87.4	158.1	- 53.2	49.6	03	11	+ 1.1	9.5	6.2	+0.5	0	18	0	0	10	0	3	0	0	0
AMBIKAPUR	30.0	+0.5	33.2	05	22.4	+0.3	19.4	30	117.0	182.2	- 41.6	68.6	20	11	- 1.4	12.0	7.8	+0.3	1	18	0	0	8	2	0	0	0	0
JASHPURNAGAR	28.2	..	30.4	03	20.8	..	17.7	28	46.2	119.0	..	17.8	10	12	..	9.7	5.3	..	0	19	0	0	0	0	0	0	0	0
PENDRA	28.9	0.0	31.7	05	21.9	-0.1	19.9	28	95.0	315.3	+109.0	58.3	20	16	+ 4.6	8.1	6.2	+0.4	0	20	0	0	12	0	0	0	0	0
MANDLA	28.2	-2.0	31.6	05	22.5	+0.2	18.6	29	125.0	302.0	+ 92.8	40.2	22	13	+ 1.7	6.7	4.0	+0.9	1	21	0	0	8	2	0	0	0	0
CHAMPA	31.5	0.0	33.8	02	24.1	-0.6	22.0	30	72.6	201.4	- 32.7	51.0	16	13	+ 1.1	7.4	5.4	0.0	0	15	0	0	5	0	0	0	0	0
RAIGARH	32.7	+0.9	38.0	01	24.8	+0.1	23.0	30	27.8	89.1	-252.3	21.6	06	9	- 5.7	7.2	5.1	-0.2	0	12	0	0	1	0	0	0	0	0
RAIPUR	31.5	+0.5	34.9	03	23.7	-0.4	22.0	28	48.9	141.8	- 71.3	35.6	18	12	+ 1.5	10.0	8.1	+0.7	0	15	0	0	11	0	0	0	0	0
KANKER	30.2	+0.3	33.0	03	23.7	+0.6	21.0	30	114.8	322.7	+ 78.1	166.6	17	8	- 4.1	8.8	7.2	+1.2	0	15	0	0	4	0	0	0	0	0
JAGDALPUR	29.3	-0.2	33.2	03	21.9	-0.4	20.1	20	128.5	366.7	+105.3	121.8	19	12	- 1.9	6.1	4.0	-1.6	4	16	0	0	9	1	0	0	0	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																												
DEESA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
RADHANPUR	36.0	+2.2	38.2	09	24.7	+0.7	21.2	27	0.0	0.0	-233.4	0.0	..	0	- 6.6	11.2	9.6	+2.9	0	0	0	0	0	0	0	0	0	0
IDAR	33.6	+2.2	36.5	29	23.2	+0.2	20.0	28	13.4	37.0	-117.6	20.8	08	4	- 4.1	9.3	5.4	-0.4	0	4	0	0	0	0	0	0	0	0
AHMADABAD	34.1	+1.0	36.8	23	24.4	+0.2	22.5	26	79.5	119.3	+ 2.5	52.4	11	4	- 1.2	6.0	4.7	-2.3	0	5	0	0	2	0	0	0	0	0
DOHAD	30.2	-0.1	33.7	02	21.9	-0.7	20.[illegible]	25	87.7	215.1	+ 39.5	78.6	10	8	+ 1.0	18.0	6.2	-0.6	0	12	0	0	9	0	0	0	0	0
VALLABH VIDYANAGAR	32.8	..	36.8	30	23.9	..	21.4	19	64.6	182.2	..	81.4	11	4	..	3.4	7.3	..	0	6	0	0	0	0	0	0	0	0
BARODA AERODROME	32.4	-0.3	36.6	30	24.1	-0.3	21.3	27	153.6	278.0	+104.3	148.2	11	5	- 2.3	13.7	12.4	+4.5	0	7	0	0	1	0	0	0	0	0
BARODA	32.3	-0.3	37.7	30	24.3	+0.2	22.6	24	169.0	314.9	+139.8	169.0	11	5	- 1.9	8.1	6.5	+1.7	0	5	0	0	2	0	0	0	0	0
BROACH	32.1	-0.6	36.0	30	24.3	-0.2	21.4	26	117.5	311.7	+104.0	92.0	10	8	+ 0.4	17.3	14.5	+6.9	0	8	0	0	0	0	0	0	0	0
SURAT	31.7	+0.1	38.0	30	24.5	+0.4	22.4	26	123.0	256.6	+ 90.5	140.8	10	6	- 2.0	11.0	9.4	+2.1	0	10	0	0	2	0	0	0	0	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																												
NALIYA	31.6	+0.8	33.2	02	23.9	-0.3	20.9	16	0.0	0.0	-244.0	0.0	..	0	- 5.3	22.8	17.0	+2.3	0	0	0	0	0	0	0	0	0	0
BHUJ (RUDRAMATA)	35.5	+2.3	40.5	10	24.5	+0.4	21.6	28	0.0	0.0	- 48.8	0.0	..	0	- 2.2	21.1	18.0	+5.0	0	0	0	0	0	0	0	0	0	0
KANDLA AERODROME	36.5	..	41.0	10	24.3	..	21.0	28	0.0	0.0	..	0.0	..	0	..	29.5	25.0	..	0	0	0	0	0	0	0	0	0	0
NEW KANDLA	33.4	+1.3	40.0	10	24.9	-0.3	22.6	21	0.0	0.0	- 67.6	0.0	..	0	- 5.0	30.7	26.3	+4.7	0	0	0	0	0	0	0	0	0	0
MANDVI	30.7	+0.2	32.0	06	24.5	-0.9	21.2	28	0.0	0.0	-104.4	0.0	..	0	- 6.2	32.8	29.7	+3.2	0	0	0	0	0	0	0	0	0	0
SURENDRANAGAR	35.5	+2.3	37.7	26	25.0	+0.7	22.0	25	3.8	42.4	- 94.3	40.0	10	1	- 6.3	15.0	15.4	+2.1	0	2	0	0	0	0	0	0	0	0
OKHA	29.9	..	31.3	03	24.4	..	22.5	28	0.0	0.0	..	0.0	..	0	..	23.2	20.9	..	0	0	0	0	0	0	0	0	0	0
JAMNAGAR AERODROME	32.0	+0.1	33.2	12	23.5	-0.4	20.8	28	0.0	0.3	- 56.3	0.3	10	0	- 2.7	..	..	..	0	1	0	0	1	0	0	0	0	0
DWARKA	29.8	+0.3	31.3	01	25.1	-0.3	21.7	01	0.0	0.0	- 38.6	0.0	..	0	- 2.0	16.8	16.1	+1.1	0	0	0	0	0	0	0	0	0	0
RAJKOT	34.7	+1.8	36.9	26	23.0	+0.1	20.0	27	0.0	11.0	-146.3	9.2	10	1	- 5.1	27.5	23.8	+6.4	1	3	0	0	1	0	0	0	0	0
BHAVNAGAR AERODROME	33.4	+0.2	36.4	08	23.9	-0.3	20.5	24	44.8	136.3	+ 8.7	64.6	11	4	- 2.7	18.0	17.3	+7.3	0	5	0	0	3	0	0	0	1	0
PORBANDER AERODROME	30.9	+1.1	32.3	30	24.3	-0.8	20.7	27	0.0	0.0	- 89.4	0.0	..	0	- 4.8	19.5	13.7	..	0	0	0	0	0	0	0	0	0	0
KESHOD	32.1	+1.0	36.2	30	22.9	-0.4	20.0	21	0.4	0.5	-129.0	0.2	04	0	- 7.0	24.7	17.1	+1.4	3	0	0	0	0	1	0	0	0	0
MAHUVA	31.8	..	35.5	30	..	..	..	..	40.1	297.0	+155.9	193.0	03	5	- 1.9	7.0	8.0	..	0	5	0	0	0	0	0	0	0	0
VERAVAL	30.3	+0.7	32.1	30	23.9	-0.7	21.0	25	0.0	1.4	- 59.8	1.1	09	0	- 3.8	20.4	18.5	+3.2	2	1	0	0	0	0	0	0	0	0
DIU	29.5	..	30.6	07	24.2	..	22.0	28	0.3	4.9	..	3.4	09	1	..	15.2	9.6	..	1	3	0	0	0	0	0	0	0	0
KONKAN (INCLUDING GOA)																												
DAHANU	28.7	-0.9	31.7	30	..	..	..	..	195.7	522.2	+161.9	169.8	05	15	+ 3.5	20.3	16.7	+0.4	0	16	0	0	0	0	0	0	0	0
BOMBAY (SANTACRUZ)	29.3	-0.6	32.3	29	24.1	+0.2	22.6	16	269.2	519.7	+188.4	120.5	06	15	+ 2.6	15.2	10.3	-0.5	0	19	0	0	2	0	0	0	0	0
BOMBAY	29.1	-1.0	31.0	23	24.7	0.0	23.0	16	119.6	365.6	+ 79.6	77.8	06	12	- 0.6	11.7	10.5	+0.5	2	16	0	0	2	0	0	0	0	0
ALIBAG	28.9	-0.3	31.0	29	24.3	-0.1	22.8	16	..	387.0	+ 46.1	82.2	06	12	- 2.6	.	14.5	+0.8	0	16	0	0	0	0	0	0	0	0
BHIRA	28.9	..	34.5	30	21.0	..	19.3	24	174.2	444.6	..	104.6	10	15	..	2.9	1.6	..	1	16	0	0	0	1	0	0	0	0
HARNAI	28.6	+0.1	33.6	02	25.3	+1.0	23.3	06	133.0	531.3	+189.1	165.3	07	13	- 2.4	18.0	15.0	+1.8	0	16	0	0	0	0	0	0	0	0
RATNAGIRI	28.3	-0.8	30.0	13	23.6	-0.2	22.0	03	238.3	740.5	+407.2	259.0	02	13	- 2.5	14.6	9.1	..	2	17	0	0	0	0	0	0	0	0
DEVGARH	28.2	-0.9	29.8	13	23.8	-0.2	21.8	06	221.4	553.8	+226.8	149.0	07	13	- 3.1	16.1	14.8	+0.2	0	17	0	0	0	0	0	0	0	0
VENGURLA	28.6	-0.8	31.2	29	23.1	-0.4	21.6	07	170.8	600.9	+263.2	130.8	01	14	- 2.2	10.0	5.7	..	0	19	0	0	0	0	0	0	0	0
PANJIM	28.6	..	30.9	28	23.5	..	21.6	07	188.9	520.6	..	135.1	06	13	..	15.6	11.4	..	2	14	0	0	0	1	0	0	0	0
MORMUGAO	28.0	-0.1	29.5	26	23.6	-0.2	21.8	07	168.3	574.5	+349.0	99.2	06	16	+ 1.5	13.6	11.8	+0.6	1	18	0	0	0	2	0	0	0	0
DABOLIM (NAVAL AIR STN.)	28.6	..	31.0	27	..	..	..	..	201.3	705.5	..	123.1	06	15	..	8.9	6.0	..	1	16	0	0	0	2	0	0	0	0
MADHYA MAHARASHTRA																												
NANDURBAR	31.2	+0.4	36.0	30	22.7	-0.4	20.5	24	29.5	190.1	+ 32.8	46.0	06	8	- 0.6	19.8	18.0	+8.9	0	11	0	0	0	0	0	0	0	0
JALGAON	31.8	0.0	36.4	29	22.1	-0.8	17.3	30	86.0	233.0	+ 79.4	61.0	08	10	+ 2.2	19.1	14.7	+4.0	0	11	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – SEPTEMBER, 1969 BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD.)																												
MALEGAON	30.9	-0.2	34.4	24	20.0	-1.3	16.8	25	60.0	269.9	+127.9	71.2	08	7	- 1.1	13.7	9.8	+1.4	0	7	0	0	0	0	0	0	0	0
OZAR	28.2	..	32.6	30	20.0	..	17.6	25	135.2	302.7	..	151.4	10	10	..	20.4	15.7	..	2	12	0	0	2	0	0	0	0	0
AHMADNAGAR	29.9	0.0	34.7	29	20.1	-0.2	17.6	24	35.9	188.5	+ 13.0	72.2	04	8	- 0.4	10.8	7.2	-0.5	1	12	0	0	0	0	0	0	0	0
KHANDALA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
POONA AERODROME	28.9	..	34.4	30	19.1	..	15.6	24	19.1	146.6	..	109.0	01	7	..	..	..	..	1	9	0	0	2	0	0	0	0	0
POONA	28.4	-0.4	33.4	30	20.9	+0.2	18.7	24	23.8	118.2	- 11.9	80.8	01	5	- 2.5	10.8	7.7	..	0	12	0	0	1	0	0	0	0	0
JEUR	29.6	-1.8	34.5	30	20.3	-0.6	17.6	14	35.4	183.6	+ 42.3	44.6	18	8	+ 0.3	15.5	12.6	+0.5	0	9	0	0	2	0	0	0	0	0
BARAMATI	30.6	+0.1	34.7	30	20.9	-0.1	18.5	15	113.4	223.6	+ 93.7	84.1	03	8	+ 1.0	14.8	12.1	-1.5	1	11	0	0	0	0	0	0	0	0
SHOLAPUR	31.0	-0.5	34.9	29	21.1	-0.4	18.5	22	27.3	143.9	- 45.8	35.9	06	11	+ 2.0	12.1	8.7	-0.6	0	15	0	0	4	0	0	0	0	0
MIRAJ	29.2	-0.2	33.8	30	20.1	-0.4	16.7	23	24.0	71.4	- 33.8	17.0	08	7	+ 1.1	..	..	..	0	13	0	0	0	0	0	0	0	0
KOLHAPUR	28.0	-0.5	33.8	30	20.4	0.0	18.4	23	51.0	152.0	+ 56.2	52.8	08	8	+ 0.1	15.1	11.7	-0.3	0	11	0	0	0	0	0	0	0	0
NASIK	28.6	..	31.8	01	23.1	..	21.2	11	..	366.2	..	183.0	10	11	..	..	..	..	0	13	0	0	0	0	0	0	0	0
SANGLI	28.9	..	32.9	26	20.2	..	17.2	23	36.4	90.2	..	19.6	08	7	..	16.8	12.9	..	0	8	0	0	0	0	0	0	0	0
SATARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MARATHWADA																												
AURANGABAD	29.4	-0.4	34.2	29	20.4	-0.5	18.2	25	83.9	186.3	+ 16.1	25.3	06	12	+ 3.1	14.9	12.1	-0.4	0	13	0	0	0	0	0	0	0	0
AURANGABAD (CHIKALTHAN)	29.0	-0.8	33.3	29	20.0	-0.6	16.6	30	62.2	166.9	+ 31.3	32.0	06	11	+ 2.3	19.8	15.8	+1.7	0	13	0	0	5	1	0	0	0	0
PARBHANI	30.3	-0.8	34.1	28	21.1	-0.8	19.5	24	79.6	300.2	+ 85.1	50.4	04	11	+ 1.0	11.8	9.7	-0.5	0	11	0	0	5	0	0	0	0	0
NANDER	30.9	..	35.4	30	21.6	..	19.4	29	43.2	231.8	..	69.8	04	8	..	9.3	7.2	..	0	10	0	0	0	0	0	0	0	0
BIR	30.6	..	34.0	28	20.7	..	18.0	29	48.2	326.4	..	104.4	01	11	..	9.7	6.4	..	0	14	0	0	0	0	0	0	0	0
VIDARBHA																												
GONDIA	31.0	+0.2	34.7	03	23.2	-0.7	21.6	29	104.7	253.5	+ 32.3	82.5	20	17	+ 5.5	4.0	3.2	-1.0	0	19	0	0	3	0	0	0	0	0
NAGPUR (SONEGAON)	31.0	-0.5	34.7	03	22.7	-0.4	19.6	29	131.7	268.8	+ 84.1	57.6	22	14	+ 3.9	12.9	10.0	-0.9	1	17	0	0	11	0	0	0	1	0
AMRAOTI	30.8	+0.2	34.2	01	22.0	-0.7	19.0	19	..	199.2	+ 34.1	37.6	03	12	+ 3.2	.	10.6	+0.5	0	16	0	0	2	0	0	0	0	0
AKOLA AERODROME	31.2	..	35.0	30	20.9	..	16.8	29	32.3	256.4	..	64.7	03	11	..	17.8	9.9	..	1	13	0	0	7	0	0	0	0	0
AKOLA	31.2	-0.3	35.7	01	21.2	-1.9	17.5	28	27.2	240.7	+ 88.8	59.8	07	12	+ 4.5	12.2	9.6	-0.3	1	13	0	0	0	0	0	0	0	0
BRAMHAPURI	31.3	+0.4	34.6	02	23.2	-0.5	21.2	29	108.4	263.6	- 58.1	70.0	20	11	- 0.3	7.3	5.4	-0.4	0	14	0	0	2	0	0	0	0	0
BULDANA	28.4	+0.3	31.9	29	20.8	-0.4	19.3	24	41.1	211.9	+ 5.9	94.4	06	10	+ 1.1	12.9	11.6	+0.7	0	11	0	0	1	1	0	0	0	0
YEOTMAL	30.2	+0.1	34.2	01	20.9	-1.0	18.5	30	83.2	381.8	+170.6	144.0	06	13	+ 3.3	14.5	12.3	+0.4	0	14	0	0	1	0	0	0	0	0
CHANDRAPUR	31.2	0.0	34.7	02	23.4	-0.3	20.4	30	102.0	252.8	+ 37.4	54.8	18	9	- 1.5	13.0	8.9	+3.0	0	16	0	0	7	0	0	0	0	0
PUSAD	31.6	..	35.0	02	21.7	..	20.6	11	84.0	284.4	..	71.4	05	12	..	11.4	9.1	..	0	12	0	0	0	0	0	0	0	0
SIRONCHA	31.4	-0.2	34.6	02	24.0	-0.5	20.6	30	71.4	504.3	+299.9	154.4	20	12	- 0.8	7.6	5.2	+0.7	0	15	0	0	0	0	0	0	0	0
WARDHA	31.1	..	34.4	01	21.7	..	17.8	30	140.6	337.4	..	65.2	07	16	..	10.3	7.8	..	0	17	0	0	0	0	0	0	0	0
BHANDARA	31.3	..	33.9	03	23.3	..	20.9	29	67.0	250.1	..	91.0	08	15	..	7.1	5.3	..	0	18	0	0	0	0	0	0	0	0
COASTAL ANDHRA PRADESH																												
KALINGAPATAM	32.3	+0.5	34.5	14	24.2	-1.6	23.2	24	50.6	174.2	- 1.6	44.4	04	9	- 0.1	10.5	8.8	-0.3	0	10	0	0	3	0	0	0	0	0
VISHAKHAPATNAM	33.1	+1.5	36.6	14	25.9	+0.3	21.5	26	95.3	130.0	- 38.1	43.4	06	7	- 1.9	14.7	9.8	+0.3	1	13	0	0	5	0	0	0	2	0
KAKINADA	32.8	+0.8	36.4	29	25.4	-0.1	24.0	07	14.8	31.3	-120.6	10.2	07	4	- 4.9	11.2	8.2	-0.4	2	13	0	0	0	0	0	0	0	0
NIDADAVOLE	32.2	+0.8	35.6	29	24.8	-0.1	23.5	22	27.0	71.4	- 93.8	32.8	02	4	- 6.0	12.7	8.1	-0.2	0	6	0	0	0	0	0	0	0	0
RENTACHINTALA	33.1	-0.3	39.8	27	25.0	+0.2	22.8	27	10.0	65.0	- 72.9	25.0	06	6	- 2.5	6.5	5.6	-2.3	0	6	0	0	0	0	0	0	0	0
GANNAVARAM	32.7	+0.3	38.4	28	25.0	-0.2	22.7	30	50.9	101.4	- 31.5	37.5	18	7	- 2.5	12.9	10.0	-1.1	0	11	0	0	4	0	0	0	0	0
MASULIPATAM	32.0	+0.2	34.4	29	24.1	-1.6	21.6	07	22.0	76.2	- 85.9	24.6	04	7	- 2.7	5.0	3.4	-5.4	0	8	0	0	0	0	0	0	0	0
ONGOLE	34.5	+0.8	38.0	28	25.8	0.0	22.8	07	10.8	38.4	-112.6	25.4	07	3	- 4.9	13.1	8.2	+1.4	0	4	0	0	1	0	0	0	0	0
NELLORE	35.3	+0.6	38.5	28	26.3	+0.3	24.0	18	0.9	6.8	-103.4	3.2	18	2	- 3.6	..	..	..	2	4	0	0	0	0	0	0	0	0
VISHAKHAPATNAM (SOLAR)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
TELANGANA																												
RAMGUNDAM	31.7	-0.3	35.2	03	22.5	-1.9	18.6	19	73.8	377.0	+195.1	128.0	20	9	- 1.5	9.6	6.7	+1.7	0	13	0	0	0	0	0	0	0	0
NIZAMABAD	30.4	-0.2	34.3	02	22.2	-0.5	20.0	21	104.4	369.6	+150.1	83.4	21	13	+ 2.8	4.8	3.3	-2.1	1	14	0	0	5	0	0	0	0	0
HANAMKONDA	30.2	-1.0	33.3	28	21.8	-2.1	20.0	27	58.4	285.4	+ 95.7	78.8	03	11	+ 1.8	7.6	9.1	+0.6	0	13	0	0	5	0	0	0	0	0
HAKIMPET AERODROME	28.6	..	32.1	28	20.5	..	18.5	30	34.5	183.0	..	53.6	06	11	..	..	..	..	0	15	0	0	4	0	0	0	0	0
BHADRACHALLAM	31.8	-0.4	34.4	03	24.0	-0.4	21.4	30	86.0	288.2	+108.0	70.6	06	11	- 0.6	7.5	4.1	-1.0	0	16	0	0	3	0	0	0	0	0
HYDERABAD (BEGAMPET)	29.3	-0.4	33.0	29	20.8	-0.8	18.2	29	19.0	157.7	- 13.8	83.8	06	9	- 0.6	18.4	14.5	+1.9	1	12	0	0	1	0	0	0	1	0
KHAMMAM	32.2	-0.4	35.0	25	24.1	-0.3	21.7	30	32.0	176.8	+ 2.3	50.0	01	8	- 0.8	7.2	5.0	-0.7	0	13	0	0	1	0	0	0	0	0
MAHBUBNAGAR	28.8	-1.5	33.8	26	21.5	-0.6	20.1	22	45.2	141.8	- 66.5	43.8	07	7	- 3.3	10.6	8.3	-2.2	1	12	0	0	1	0	0	0	0	0
RAYALASEEMA																												
KURNOOL	31.7	-0.2	35.2	28	22.2	-1.1	18.9	30	3.5	36.5	-109.6	12.2	19	6	- 2.6	16.6	13.4	+0.8	0	6	0	0	0	0	0	0	0	0
NANDYL	32.2	..	34.9	26	25.2	..	22.3	07	5.4	202.6	..	84.2	02	8	..	11.9	7.0	..	0	9	0	0	0	0	0	0	0	0
ANANTAPUR	32.4	-0.1	35.5	28	23.4	+0.3	20.9	20	5.8	12.1	-137.8	10.1	20	1	- 5.7	18.0	15.7	+2.6	2	4	0	0	0	0	0	0	0	0
CUDDAPAH	34.1	+0.8	38.2	29	25.2	+0.2	23.3	07	3.8	30.4	-124.5	7.4	02	5	- 3.2	..	..	..	0	7	0	0	0	0	0	0	0	0
AROGYAVARAM	30.1	+0.3	33.0	28	20.2	-1.0	19.0	19	0.0	15.5	- 90.1	7.5	02	2	- 4.6	14.8	11.8	+1.9	0	4	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - SEPTEMBER, 1969 (BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
TAMIL NADU (INCLUDING PONDICHERRY)																												
MADRAS	34.9	+1.4	37.0	29	25.4	+0.2	23.3	04	8.5	19.0	- 95.4	12.1	03	2	- 5.2	13.2	10.0	+2.9	1	5	0	0	2	0	0	0	1	0
MADRAS (MINAMBAKKAM)	35.2	+1.3	38.0	29	26.2	+0.8	23.9	04	3.0	21.5	- 97.9	5.8	19	4	- 3.3	16.3	12.1	+1.0	1	9	0	0	2	0	0	0	2	0
VELLORE	34.5	+1.0	36.6	23	24.4	0.0	22.7	27	21.7	38.7	-133.8	20.2	27	3	- 5.1	9.9	9.6	+2.8	0	7	0	0	2	0	0	0	0	0
TAMBARAM AERODROME	36.3	..	39.4	15	26.2	..	23.5	04	13.6	32.0	..	9.0	27	6	..	..	..	..	0	10	0	0	4	0	0	0	0	0
TIRUPPATTUR	33.8	+0.9	36.1	23	23.3	+1.0	20.4	08	0.0	17.2	-155.4	9.5	26	2	- 7.2	3.9	5.4	-0.2	0	2	0	0	0	0	0	0	0	0
METTUR DAM R.S.	33.6	..	36.3	30	24.1	..	22.8	19	6.4	31.4	..	23.2	02	2	..	7.1	6.2	..	0	4	0	0	1	0	0	0	0	0
CUDDALORE	35.3	+1.5	38.2	14	26.0	+0.9	24.7	06	0.6	3.1	-122.9	1.5	27	0	- 6.1	12.5	9.8	+0.6	0	4	0	0	0	0	0	0	0	0
KALLAKURICHCHI	34.8	0.0	37.0	15	..	..	..	..	0.0	43.6	- 81.4	22.6	26	3	- 3.0	9.6	7.9	..	0	3	0	0	0	0	0	0	0	0
SALEM	33.9	+0.8	37.3	30	23.9	+0.6	22.6	02	8.4	39.7	-102.0	21.7	02	3	- 5.5	8.7	7.2	+0.3	0	7	0	0	4	0	0	0	0	0
COIMBATORE (PILAMEDU)	31.8	-0.1	34.2	29	21.7	0.0	19.4	21	0.0	2.6	- 51.3	2.1	30	0	- 2.9	30.4	27.4	+1.2	0	2	0	0	5	0	0	0	0	0
COIMBATORE	31.6	+0.9	33.9	30	22.0	0.0	20.4	21	..	18.1	- 23.6	18.1	28	1	- 2.3	.	14.2	+1.1	0	1	0	0	0	0	0	0	0	0
NAGAPATTINAM	34.9	+1.2	36.4	10	26.1	+0.4	24.5	20	2.8	6.6	- 77.5	3.2	07	1	- 4.0	13.5	11.0	+1.3	0	3	0	0	2	0	0	0	0	0
TIRUCHCHIRAPPALLI	36.2	+2.0	37.6	30	25.5	+0.6	23.2	30	0.1	48.9	- 75.0	38.8	30	2	- 4.3	21.5	16.3	-3.1	0	4	0	0	2	0	1	0	0	0
VEDARANNIYAM	34.4	..	36.6	15	23.9	..	20.4	26	0.0	55.4	..	44.2	26	3	..	7.8	5.7	..	0	3	0	0	0	0	0	0	0	0
ATIRAMPATTINAM	33.8	..	37.8	15	25.5	..	22.4	21	5.0	22.8	..	13.6	27	2	..	14.3	10.3	..	0	2	0	0	1	0	0	0	0	0
MADURAI	36.0	+1.0	37.6	15	22.6	-2.2	20.6	25	..	49.6	- 73.1	25.0	26	4	- 2.3	.	8.4	+2.0	0	4	0	0	2	0	0	0	0	0
MADURAI AERODROME	35.6	+0.8	37.3	22	24.8	+0.2	22.5	20	0.7	29.0	- 30.3	8.8	15	4	- 0.4	17.9	15.0	+3.3	0	5	0	0	3	0	0	0	0	0
TONDI	33.1	+0.3	38.0	08	24.1	-1.5	20.6	27	0.0	43.8	+ 8.9	40.6	27	2	+ 0.2	18.9	14.1	-1.7	0	2	0	0	2	0	0	0	0	0
PAMBAN	32.4	+1.1	33.5	16	26.0	-0.3	23.5	27	0.0	3.0	- 22.9	3.0	27	1	- 0.6	17.6	18.6	+2.8	0	1	0	0	0	0	0	0	0	0
TUTICORIN	35.1	+1.2	37.8	14	24.8	-1.2	23.2	27	0.0	0.0	- 7.5	0.0	..	0	- 1.2	21.6	16.6	-0.1	0	0	0	0	0	0	0	0	0	0
PALAYANKOTTAI	35.4	0.0	38.2	25	26.2	+0.3	24.8	27	0.8	9.2	- 19.8	0.8	27	0	- 2.0	16.0	12.9	-0.3	0	1	0	0	2	0	0	0	0	0
KANNIYAKUMARI	31.0	..	33.3	14	24.3	..	22.9	03	2.5	6.3	..	1.9	04	0	..	23.3	19.5	..	0	5	0	0	0	0	0	0	0	0
PONDICHERRY	34.0	..	37.1	14	25.5	..	24.0	01	2.0	5.2	..	3.2	30	1	..	18.1	14.4	..	0	2	0	0	0	0	0	0	0	0
PORTNOVO	34.5	..	37.0	10	23.1	..	20.3	16	..	80.2	..	36.5	16	4	..	.	10.0	..	0	7	0	0	5	0	0	0	0	0
TUTICORIN H.P.	34.4	..	37.6	14	26.2	..	24.5	27	0.0	8.2	..	8.2	14	1	..	24.6	19.5	..	0	1	0	0	2	0	0	0	0	0
COASTAL MYSORE																												
KARWAR	28.3	-0.1	30.2	27	23.3	-0.5	21.1	07	169.4	579.9	+288.1	104.2	06	18	+ 2.5	7.0	5.5	..	2	19	0	0	0	0	0	0	0	0
HONAVAR	28.3	-0.5	30.5	27	22.9	-0.3	21.1	08	285.1	818.8	+477.2	123.9	02	15	- 1.7	..	..	..	1	19	0	0	0	0	0	0	0	0
MANGALORE (BAJPE)	28.5	-0.1	31.1	29	22.5	-0.1	21.4	06	170.1	535.0	+124.6	63.8	20	17	- 0.4	9.4	5.6	-1.5	0	21	0	0	1	6	0	0	0	0
MANGALORE	28.5	-0.2	30.0	29	21.4	-2.1	20.0	02	171.1	573.2	+301.2	85.9	05	17	+ 1.0	10.4	8.2	+1.4	0	19	0	0	0	0	0	0	0	0
MANGALORE H.P.	28.5	..	30.0	29	23.1	..	22.0	06	161.6	527.8	..	65.3	05	18	..	11.1	7.3	..	0	20	0	0	2	0	0	0	6	0
INTERIOR MYSORE NORTH																												
BIDAR	28.0	-0.8	31.4	02	20.7	-0.3	19.0	21	79.4	303.9	+ 65.1	54.4	03	14	+ 3.3	14.7	14.3	+1.1	0	15	0	0	4	0	1	0	0	0
GULBARGA	30.3	-0.8	34.0	27	21.4	-0.5	19.4	22	36.8	482.4	+297.0	181.6	06	11	+ 1.5	12.7	10.0	-3.0	0	11	0	0	1	0	0	0	0	0
BIJAPUR	30.8	+0.2	35.1	29	21.2	+0.1	19.3	27	14.0	81.6	- 59.9	28.2	18	6	- 2.0	13.4	12.2	+2.2	1	10	0	0	0	0	0	0	0	0
RAICHUR	31.2	-0.4	34.5	30	22.3	-0.4	20.9	06	31.0	147.0	- 7.9	49.6	01	7	- 1.9	16.3	13.0	-0.6	0	12	0	0	2	0	0	0	0	0
BELGAUM	27.3	+0.3	32.1	30	19.5	+0.5	17.3	23	31.2	56.8	- 58.8	10.6	07	7	- 2.6	2.6	1.7	-8.2	1	16	0	0	0	0	0	0	0	0
BELGAUM (SAMRA)	26.8	-0.1	31.1	30	19.4	+0.2	16.8	23	32.6	55.9	- 33.6	18.7	28	6	- 2.6	16.4	12.4	-4.5	5	11	0	0	4	0	0	0	0	0
GADAG	29.4	-0.3	34.2	30	20.3	-0.2	19.1	07	61.3	98.6	- 30.4	39.6	03	7	- 0.3	14.7	13.5	-0.1	0	13	0	0	4	0	0	0	0	0
BIDAR A.F.	28.7	..	32.2	02	19.2	..	16.5	28	89.7	360.9	..	96.9	19	11	..	..	..	..	0	13	0	0	8	0	0	0	0	0
INTERIOR MYSORE, SOUTH																												
BELLARY	30.8	-0.7	35.1	28	23.2	+0.2	20.6	20	13.4	34.0	- 88.4	12.0	20	6	- 1.1	14.3	12.2	+1.1	0	7	0	0	1	0	0	0	0	0
CHITRADURGA	27.9	-1.2	32.3	30	20.4	+0.1	19.1	20	27.0	51.2	- 50.4	18.0	20	4	- 2.9	12.4	10.9	+0.1	0	13	0	0	0	0	0	0	0	0
SHIMOGA	27.9	-0.7	31.7	30	20.3	-0.2	19.0	24	27.6	58.0	- 31.5	12.4	14	10	+ 1.5	7.2	4.5	-0.7	0	12	0	0	0	0	0	0	0	0
AGUMBE	24.0	..	28.0	28	19.3	..	16.7	25	749.0	1764.9	..	205.1	09	23	..	7.8	5.5	..	0	24	0	0	2	9	0	0	0	0
BALEHONNUR	24.3	-0.2	30.4	27	16.9	-1.2	15.3	19	..	329.6	+ 97.9	38.0	06	16	- 0.9	..	..	..	0	20	0	0	0	5	0	0	0	0
HASSAN	..	..	..	..	..	..	..	..	8.6	41.6	- 58.5	25.4	07	3	- 4.3	14.1	10.2	-1.4	0	3	0	0	0	0	0	0	0	0
BANGALORE	27.3	-0.3	30.6	30	19.1	+0.2	17.4	19	57.3	85.7	- 77.9	21.1	06	9	+ 0.3	10.8	9.4	-2.7	2	11	0	0	1	2	0	0	0	0
BANGALORE AERODROME	27.8	-0.8	30.5	30	18.2	-1.1	16.7	19	48.7	73.1	- 56.3	27.0	03	4	- 4.2	21.8	18.9	..	1	9	0	0	1	4	0	0	0	0
MYSORE	26.1	-2.6	30.0	25	21.6	+2.3	17.6	19	12.7	220.2	+103.1	170.0	09	5	- 2.8	20.9	15.6	+4.9	0	7	0	0	0	0	0	0	0	0
VALANKA A.F.	27.6	..	30.6	28	18.9	..	17.3	19	25.9	41.7	..	12.7	06	7	..	..	..	..	0	9	0	0	2	1	0	0	0	0
KERALA																												
CALICUT	29.7	+0.2	31.8	30	23.9	+0.2	22.4	08	58.0	183.4	- 36.6	49.5	03	9	- 3.3	7.6	5.5	-3.2	0	15	0	0	0	0	0	0	0	0
PALGHAT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
FORT COCHIN	28.9	+0.6	30.2	09	22.8	-1.4	21.3	10	82.6	240.4	- 3.7	43.4	02	16	+ 1.8	7.6	5.9	-3.2	0	17	0	0	1	0	0	0	0	0
COCHIN (NAVAL AIR STATION)	29.7	..	30.9	25	23.8	..	22.1	02	45.2	264.9	..	43.2	13	15	..	13.6	9.0	..	1	16	0	0	3	0	0	0	0	0
ALLEPPEY	29.9	+0.5	31.4	24	24.0	+0.3	22.5	03	39.0	259.2	- 36.8	64.4	02	13	- 2.8	15.9	11.3	+1.2	0	15	0	0	0	0	0	0	0	0
PUNALUR	31.8	+0.9	34.9	27	21.1	-1.6	19.7	17	96.2	123.6	- 85.8	25.4	04	11	- 1.7	3.4	2.3	-2.0	0	12	0	0	0	0	0	0	0	0
TRIVANDRUM	29.9	0.0	32.1	28	23.4	+0.1	22.3	03	29.8	76.7	- 61.2	20.4	04	7	- 2.1	15.2	11.3	+0.9	3	9	0	0	3	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – SEPTEMBER, 1969 (BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.5 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
KERALA (CONTD)																												
TRIVANDRUM AERODROME	29.7	+0.1	31.4	28	23.8	+0.2	22.9	17	..	73.6	- 89.4	20.7	03	5	- 4.7	.	14.5	+6.5	1	9	0	0	3	0	0	0	0	0
ARABIAN SEA ISLANDS																												
AMINI	29.7	-0.1	31.1	30	25.2	-0.3	22.9	13	44.1	105.5	- 44.1	25.9	23	8	- 2.2	27.6	27.6	+9.2	4	15	0	0	0	0	0	0	0	0
AGATTI	28.3	..	30.0	30	25.5	..	23.4	13	19.4	78.8	..	29.2	13	6	..	..	..	..	0	13	0	0	0	0	0	0	0	0
ANDROTH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MINICOY	29.9	+0.4	30.8	29	24.4	-0.7	21.6	13	17.3	85.9	- 72.3	33.5	13	6	- 4.1	16.7	14.7	+1.7	0	11	0	0	0	0	0	0	0	0
HILL STATIONS (EXCLUDING KASHMIR)																												
DALHOUSIE	23.2	+0.2	34.4	02	14.6	-0.8	11.0	20	36.2	114.8	-114.8	31.0	12	9	- 0.1	0.0	0.0	-2.5	0	10	0	0	0	0	0	0	0	0
DHARMASALA	26.8	+0.5	28.9	15	18.4	-1.0	15.8	24	100.0	205.8	-322.1	43.0	01	13	- 0.5	5.2	3.7	+0.1	0	17	0	0	4	0	0	0	0	0
BHUNTAR	28.7	..	32.3	04	16.6	..	11.1	26	33.2	65.8	..	18.5	16	5	..	13.1	7.7	..	0	9	0	0	5	0	0	0	0	0
SIMLA	19.7	-0.3	23.6	05	12.8	-1.0	10.3	10	120.3	195.3	+ 12.9	43.7	09	8	- 1.9	2.1	2.0	-0.7	0	10	0	0	0	0	0	0	0	0
DHARMPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GHANGARIA (KANJALIA TOK)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BADRINATH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JOSHIMATH	21.9	-1.6	26.0	03	14.6	-0.9	9.4	24	96.0	311.6	+162.3	73.0	24	13	+ 1.7	4.6	4.3	0.0	0	16	0	0	0	4	0	0	0	0
MUSSOORIE	19.0	-0.9	21.1	03	13.9	-0.4	11.7	23	136.6	250.2	-105.4	62.0	08	11	- 2.1	2.6	1.8	-3.6	0	13	0	0	0	5	0	0	0	0
MUKTESWAR (KUMAUN)	18.6	-1.3	22.0	01	11.9	-1.2	8.8	24	286.9	575.5	+373.8	126.0	24	17	+ 6.6	9.1	10.1	+0.1	0	22	0	0	9	13	0	0	0	0
NAINITAL	19.3	-1.6	21.6	14	14.0	-0.8	10.5	28	431.0	768.4	+437.6	171.0	24	16	+ 3.5	9.3	7.5	+0.5	0	21	0	0	0	0	0	0	0	0
KALIMPONG	26.6	+2.5	27.8	18	16.5	-2.3	13.4	28	88.8	385.4	+ 73.2	105.0	06	14	+ 0.2	5.7	4.4	-3.1	0	17	0	0	0	0	0	0	0	0
DARJEELING	19.4	-0.5	22.3	01	12.8	-1.8	8.6	27	234.6	562.5	+117.0	127.0	06	18	+ 1.0	2.0	2.0	-0.1	0	22	0	0	0	8	0	0	0	0
KOHIMA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SHILLONG (C.S.O.)	23.4	-0.8	26.2	09	16.8	+0.2	14.4	29	65.5	113.8	-188.5	18.6	10	13	- 4.6	4.1	3.5	+0.8	0	21	0	0	3	9	0	0	0	0
CHERRAPUNJI	24.6	+1.7	31.1	06	17.3	-0.8	15.0	26	..	294.3	-827.4	68.2	26	13	- 6.3	..	..	..	0	15	0	0	0	0	0	0	0	0
ABU	26.5	+2.4	28.6	05	17.3	-1.1	15.4	29	36.4	37.6	-175.8	28.0	10	3	- 4.4	7.3	3.8	-3.8	0	5	0	0	0	0	0	0	0	0
AIJAL	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
PACHMARHI	24.7	-0.5	28.0	02	19.1	0.0	14.3	29	115.8	435.2	+ 72.0	65.8	08	15	+ 1.8	7.3	7.5	+1.3	0	19	0	0	7	0	0	0	0	0
MAHABALESHWAR	21.1	+0.8	27.2	27	15.7	0.0	12.6	24	256.3	777.6	+ 91.8	150.4	01	19	- 3.3	11.8	12.4	+0.6	0	21	0	0	0	28	0	0	0	0
MERCARA	21.5	-0.5	25.4	28	12.1	-4.8	10.0	19	208.8	441.0	+133.4	63.1	04	19	+ 0.1	15.3	14.5	+2.2	0	26	0	0	0	0	0	0	0	0
OOTACAMUND	17.8	-0.4	20.1	22	10.3	-0.1	8.0	21	46.0	63.8	- 74.9	29.6	27	5	- 6.2	12.0	7.1	+0.6	2	12	0	0	1	0	0	0	0	0
COONOOR	22.1	+0.7	24.2	26	11.0	-2.8	7.4	19	..	20.8	- 75.6	7.4	06	4	- 3.2	..	..	..	0	8	0	0	0	0	0	0	0	0
KODAIKANAL	18.8	+1.1	21.0	10	11.1	-0.2	9.5	20	44.3	77.3	-100.0	25.0	25	5	- 6.7	12.6	13.8	+2.3	2	12	0	0	7	0	0	0	0	0
MANALI	24.0	..	27.0	03	11.1	..	5.5	26	..	108.3	..	25.2	14	8	..	.	1.0	..	0	9	0	0	0	0	0	0	0	0
NEPAL																												
KATMANDU	27.2	-0.9	30.3	17	18.8	+0.2	16.4	22	38.4	144.0	- 26.7	18.2	06	17	+ 5.1	2.0	1.0	-0.3	1	19	0	0	6	2	0	0	0	0
SIKKIM																												
LACHEN	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
HYDROMETEOROLOGICAL OBSERVATORIES																												
DAMODAR CATCHMENT																												
TILAIYA	29.9	..	33.4	05	23.6	..	20.9	27	41.8	110.6	..	20.0	11	13	..	10.4	6.8	..	0	18	0	0	0	0	0	0	0	0
HAZARIBAGH	28.9	..	32.1	04	21.2	..	18.8	27	131.7	198.4	..	69.2	02	12	..	8.7	5.8	..	2	18	0	0	4	0	0	0	0	0
KONAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BOKARO	32.2	..	35.4	05	24.8	..	23.0	20	91.0	215.4	..	39.0	20	13	..	..	..	..	0	15	0	0	0	0	0	0	0	0
MAITHON	32.6	..	36.5	05	23.1	..	21.4	27	102.5	187.9	..	46.2	08	12	..	..	..	..	0	15	0	0	11	0	0	0	0	0
RAMGARH	31.3	..	34.6	05	23.4	..	21.0	29	83.3	200.3	..	37.0	09	15	..	..	..	..	0	17	0	0	0	0	0	0	0	0
PANCHET HILLS	31.1	..	33.8	05	25.3	..	23.1	28	57.3	127.8	..	31.7	10	13	..	4.7	3.6	..	1	15	0	0	0	0	0	0	0	0
DURGAPUR	31.5	..	34.0	05	24.5	..	22.5	28	24.6	86.2	..	30.0	10	7	..	17.8	17.4	..	0	11	0	0	0	0	0	0	0	0
MAHANADI CATCHMENT																												
GINABAHAR	31.1	..	33 1	06	21.9	..	19.7	28	..	128.8	..	39.8	16	11	..	..	..	..	0	15	0	0	3	0	0	0	0	0
HIRAKUD	28.9	..	32.1	04	21.2	..	18.8	27	36.9	198.4	..	69.2	02	12	..	6.6	5.8	..	2	18	0	0	4	0	0	0	0	0
BHIMKUND	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SONEPUR	32.4	..	36.3	19	26.0	..	24.1	24	..	145.5	..	40.5	08	9	..	..	..	..	0	9	0	0	0	0	0	0	0	0
KHIJRAWAN	29.4	..	32.6	02	24.9	..	20.4	13	98.6	248.6	..	131.6	17	9	..	9.7	6.7	..	0	11	0	0	3	0	0	0	0	0
NARMADA CATCHMENT																												
BAGRA TAWA	30.5	..	34.0	02	21.7	..	18.0	29	..	309.0	..	60.0	21	11	..	.	6.0	..	0	15	0	0	7	0	0	0	0	0
PUNASA	31.0	..	34.6	30	21.8	..	17.7	29	..	381.2	..	96.0	08	13	..	.	9.7	..	0	13	0	0	0	0	0	0	0	0
THIKRI	31.5	..	35.7	30	21.7	..	17.6	30	..	314.4	..	86.2	09	9	..	..	..	..	0	11	0	0	0	0	0	0	0	0
SABARMATI CATCHMENT																												
DAROI	34.0	..	36.0	20	23.1	..	19.2	28	17.0	34.5	..	12.2	08	3	..	..	..	..	0	5	0	0	0	0	0	0	0	0
JHADOL	30.1	..	33.4	10	21.1	..	16.2	30	..	41.3	..	26.0	09	4	..	..	..	..	0	5	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - SEPTEMBER, 1969 BHADRA 10 - ASVINA 8, 1891 SAKA

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
GANDAK CATCHMENT																												
JAMOSOM	22.4	..	27.0	14	10.3	..	5.8	25	0.0	60.8	..	51.2	24	2	..	..	..	..	0	5	0	0	0	0	0	0	0	0
KHUDI BAZAR	27.6	..	30.6	11	19.5	..	16.6	30	101.0	596.4	..	47.4	12	24	..	..	..	..	0	25	0	0	0	0	0	0	0	0
TIMURE	24.3	..	26.5	17	15.8	..	13.0	30	27.1	189.2	..	40.7	07	14	..	..	..	..	0	23	0	0	0	0	0	0	0	0
POKHARA	27.8	..	30.2	11	20.7	..	17.7	30	138.8	581.9	..	90.8	03	22	..	4.9	3.7	..	0	23	0	0	11	0	0	0	0	0
GORKHA	26.3	..	29.1	14	17.9	..	15.6	24	61.2	312.5	..	58.4	03	17	..	..	..	..	0	20	0	0	6	22	0	0	0	0
NUWAKOT	27.7	..	30.6	17	20.4	..	19.3	22	133.2	360.7	..	59.8	06	16	..	..	..	..	0	18	0	0	0	0	0	0	0	0
GHAGHARA CATCHMENT (TRANS HIMALAYAN REGION)																												
DAILEKH	25.3	..	27.1	02	19.3	..	17.2	09	67.0	163.4	..	27.0	07	12	..	..	..	..	0	13	0	0	0	0	0	0	0	0
GHAGHARA CATCHMENT																												
SALLYANA	26.2	..	28.1	14	19.4	..	17.5	06	17.5	43.9	..	14.7	06	5	..	..	..	..	1	8	0	0	0	0	0	0	0	0
BUTWAL	31.7	..	33.9	06	24.4	..	21.9	24	176.2	355.8	..	90.6	24	11	..	..	..	..	0	15	0	0	0	0	0	0	0	0
BAGHMATI CATCHMENT																												
KATMANDU	[illegible]	[illegible]	[illegible]	[illegible]	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
KOSI CATCHMENT																												
WALUNGCHUNG GOLA	14.3	..	17.4	15	8.1	..	5.4	30	86.0	251.2	..	27.5	17	24	..	..	..	..	0	28	0	0	0	0	0	0	0	0
TAPLETHOK	26.4	..	30.6	17	17.3	..	15.9	29	62.2	367.9	..	72.2	17	21	..	..	..	..	0	25	0	0	0	0	0	0	0	0
BHOJPUR	22.7	..	25.2	05	17.3	..	14.2	25	44.2	100.4	..	12.4	04	15	..	..	..	..	0	16	0	0	0	0	0	0	0	0
TAPLEJUNG	23.0	..	26.5	17	16.2	..	13.8	30	77.7	336.8	..	49.3	18	22	..	3.9	2.1	..	0	25	0	0	1	10	0	0	0	0
OKHALDHUNGA	23.9	..	27.6	12	15.8	..	13.8	30	154.6	290.0	..	51.6	19	15	..	0.7	0.4	..	1	20	0	0	4	14	0	0	0	0
CHAINPUR	26.6	..	29.5	14	19.0	..	17.4	26	22.0	134.1	..	24.4	02	11	..	..	..	..	0	13	0	0	0	0	0	0	0	0
BARAHAKSHETRA	30.4	..	33.7	08	23.6	..	22.0	28	162.9	237.0	..	60.2	14	16	..	4.4	2.5	..	0	19	0	0	9	0	0	0	0	0
TISTA CATCHMENT																												
GANGTOK	22.6	..	27.2	16	15.5	..	13.0	27	108.0	337.2	..	46.4	18	21	..	3.7	3.2	..	1	24	0	0	1	19	0	0	0	0
GEZING	25.1	..	29.2	15	17.0	..	14.3	27	136.3	451.5	..	84.5	18	18	..	..	..	..	2	27	0	0	0	0	0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – SEPTEMBER, 1969 (BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lit. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point				Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															32 or more	20 to 31	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAY ISLANDS																											
MAYA BANDAR	0830	28	1008.7	1005.6	..	26.9	25.3	24.6	31.0	87	..	5.7	..	9.7[b]	0	1	24	00	1	0	0	0	19	4	1	4	1
	1730	28	1006.4	1003.2	..	26.7	24.9	24.1	30.1	86	..	6.1	..	9.1	0	0	28	00	0	0	0	0	20	7	1	2	0
LONG ISLAND	0830	25	1009.0	1006.2	-0.3	27.7	25.5	24.5	30.7	83	- 3	6.5	+0.3	2.5	0	0	25	00	0	0	0	0	23	2	0	5	0
	1730	25	1007.1	1004.2	+0.1	27.3	24.6	23.4	28.9	80	- 7	6.4	+0.1	2.5	0	0	22	00	0	0	0	0	20	2	0	8	0
PORT BLAIR	0530	79	1007.6	998.6	..	24.8	24.0	23.5	29.0	93	..	5.6	..	7.3	0	3	21	00	0	0	0	3	15	4	2	6	0
	0830	79	1009.2	1000.4	+0.1	27.5	25.3	24.3	30.5	83	- 1	6.0	-0.7	14.6[b]	0	9	20	00	0	0	0	3	16	9	1	0	0
	1130	79	1008.0	999.2	..	28.0	25.3	24.1	30.1	80	..	6.3	..	15.9[b]	0	13	15	00	0	0	1	3	16	8	0	1	0
	1430	79	1006.1	997.3	..	27.8	24.8	23.4	28.8	78	..	6.4	..	17.4	0	12	18	00	0	0	0	3	15	12	0	0	0
	1730	79	1006.9	997.9	-0.3	26.3	24.4	23.6	29.2	86	- 3	6.1	-0.8	11.1	0	5	24	00	0	0	0	4	15	8	2	1	0
	2030	79	1008.8	999.9	..	25.5	24.3	23.8	29.5	90	..	5.0	..	7.2[b]	0	2	19	00	0	0	0	4	11	2	4	8	0
	2330	79	1008.4	999.5	..	25.1	24.2	23.7	29.4	92	..	4.8	..	10.1[b]	0	6	18	00	0	0	0	3	15	4	2	5	0
CAR NICOBAR	0830	10	1009.8	1008.6	-0.1	27.9	26.2	25.4	32.6	88	+ 5	6.0	-0.3	2.0[b]	0	0	26	00	0	0	0	0	26	0	0	3	0
	1730	10	1007.4	1006.2	-0.2	27.0	25.8	25.3	32.3	92	+ 3	6.5	+0.5	1.4[b]	0	0	17	00	0	0	0	0	17	0	0	11	0
NAN COWRY	0830	26	..	..	..	..	..	..	..	..	..	5.9	-0.2	17.6	1	0	28	01	0	0	0	0	23	4	1	1	0
	1730	26	1008.0	1005.4	+0.1	27.2	25.2	24.2	30.2	84	- 1	5.7	-0.4	8.1	0	0	30	00	0	0	0	0	19	8	3	1	0
KONDUL	0830	8	1011.5	1010.6	+0.7	28.0	25.9	25.0	31.7	84	+ 1	5.8	-0.5	10.8	0	8	11	00	0	19	0	0	0	0	0	11	0
	1730	8	1009.2	1008.3	+1.0	27.2	25.7	25.0	31.7	88	+ 1	5.7	-0.6	6.5	0	0	18	00	0	18	0	0	0	0	0	12	0
HUT BAY/LITTLE ANDAMAN	0830	5	1010.4	1009.6	..	28.3	25.8	24.7	31.2	81	..	6.9	..	7.5	0	0	30	00	0	0	0	2	22	5	1	0	0
	1730	5	1007.7	1006.9	..	27.0	25.2	24.4	30.6	86	..	6.5	..	5.1	0	0	30	00	1	1	0	1	25	2	0	0	0
NORTH ASSAM (INCLUDING NEFA)																											
PASIGHAT	0830	157	1008.0	990.4	+0.9	26.8	24.1	22.8	27.8	79	- 1	5.4	+0.0	5.8	0	2	21	04	0	4	0	2	0	0	13	7	0
	1730	157	1003.6	986.1	+0.6	27.2	25.1	24.2	30.3	84	- 1	5.8	-0.5	2.3	0	0	14	02	1	0	0	1	1	0	9	16	0
DIBRUGARH (MOHANBARI)	0230	111	1005.4	992.6	..	25.2	24.2	23.7	29.4	92	..	6.2	..	2.1	0	0	9	02	5	1	0	1	0	0	0	21	0
	0530	111	1006.5	993.8	..	24.2	23.6	23.2	28.2	94	..	6.5	..	2.0	0	0	9	03	3	2	0	0	1	0	0	21	0
	0830	111	1007.9	995.4	+0.6	27.3	24.6	23.6	29.5	81	- 3	6.4	+0.1	6.5	0	0	25	01	15	7	1	0	0	0	1	5	0
	1130	111	1006.2	993.8	..	30.0	25.8	23.9	29.8	70	..	5.7	..	8.3	0	1	28	04	13	9	0	0	0	1	2	1	0
	1430	111	1005.2	990.9	..	31.1	25.9	23.5	29.1	66	..	5.1	..	6.5	0	2	23	03	12	4	0	1	1	1	3	5	0
	1730	111	1003.3	990.9	+0.5	28.9	25.6	24.4	30.6	77	- 4	4.5	-1.4	1.5	0	0	8	02	4	0	0	1	0	0	1	22	0
	2030	111	1005.7	993.2	..	26.5	25.2	24.5	31.0	89	..	4.7	..	1.1	0	0	6	00	4	1	0	0	1	0	0	24	0
	2330	111	1006.0	991.1	..	25.8	24.6	24.1	29.9	90	..	5.1	..	1.5	0	0	7	00	5	1	0	0	1	0	0	23	0
DIGBOI	0830		(R)																								
	1730		(R)																								
NORTH LAKHIMPUR	0830	102	1007.8	996.3	+0.8	27.9	25.4	24.3	30.4	82	- 2	6.2	+0.4	5.2	0	0	30	16	4	1	0	6	0	0	0	0	3
	1130	102	1006.4	995.0	..	30.5	26.4	24.7	31.2	72	..	6.3	..	8.2	0	2	27	04	2	1	1	3	0	0	0	1	18
	1430	102	1003.5	992.1	..	31.1	26.4	24.3	30.5	68	..	6.0	..	7.4	0	0	30	06	2	0	2	7	1	0	0	0	12
	1730	102	1003.4	992.0	+0.6	29.0	26.5	25.4	32.6	81	- 4	5.9	+1.1	4.1	0	0	22	05	2	3	2	2	5	2	0	8	1
	2030	102	1005.6	994.1	..	26.7	25.4	24.9	31.5	90	..	5.9	..	2.3	0	0	16	05	0	1	2	3	4	0	0	14	1
SIBSAGAR	0830	97	1007.4	996.5	+0.0	27.6	24.6	23.2	28.7	79	- 7	6.2	-0.9	2.0	0	0	14	06	5	0	0	1	2	0	0	16	0
	1730	97	1003.4	992.5	+0.2	29.0	25.5	24.0	29.9	76	- 9	7.0	+1.3	0.6[b]	0	0	4	00	0	2	0	1	1	0	0	25	0
GOHPUR	0830	83	1007.6	998.2	..	27.7	25.8	25.1	31.8	85	- 3	5.2	..	1.4	0	0	14	00	0	13	0	0	0	1	0	16	0
	1730	83	1004.4	995.2	..	29.1	26.4	25.2	32.2	80	- 4	4.3	..	0.1[b]	0	0	1	00	0	1	0	0	0	0	0	14	0
MAJBAT	0830	120	1007.6	994.1	+1.1	27.7	26.1	25.4	32.6	87	..	2.3	-3.1	0.5[c]	0	0	7	00	5	0	1	0	1	0	0	21	0
	1730	120	1003.6	990.2	+1.2	28.2	26.7	26.1	34.2	89	..	2.3	-2.6	0.3	0	0	2	00	0	0	0	0	1	0	0	27	1
JORHAT AERODROME	0530	90	1006.1	996.0	..	25.0	24.6	24.3	30.4	96	..	6.2	..	2.9	0	0	8	00	6	2	0	0	0	0	0	22	0
	0830	90	1007.2	997.4	..	28.2	25.6	24.9	31.5	84	..	5.7	..	7.5	0	0	24	00	20	1	0	0	2	0	1	6	0
	1130	90	1005.9	995.9	..	30.8	26.9	25.2	32.2	72	..	5.5	..	9.6	0	0	28	05	17	3	0	0	3	0	0	2	0
	1730	90	1003.0	993.0	..	28.8	26.3	25.2	32.1	81	..	4.8	..	4.9	0	0	18	02	10	1	0	1	3	1	0	12	0
	2330	90	1005.7	995.6	..	26.7	24.9	24.1	30.1	85	..	4.5	..	1.6	0	0	5	00	2	1	0	0	2	0	0	25	0
TANGLA	0830	78	1005.1	997.8	+0.7	28.2	25.5	24.3	30.5	80	- 3	4.6	+0.1	2.1	0	0	13	00	0	7	0	2	0	4	0	17	0
	1730	78	1000.8	993.6	+0.6	29.5	26.5	25.3	32.3	79	- 2	4.3	+0.7	0.8	0	0	6	01	0	1	0	0	1	3	0	24	0
TEZPUR	0830	79	1007.7	998.8	+0.0	27.3	25.6	24.9	31.4	87	+ 1	5.3	-0.6	4.0	0	0	25	01	18	0	1	0	5	0	0	5	0
	1730	79	1003.1	994.4	-0.1	29.4	26.5	25.4	32.4	79	- 3	3.1	-1.4	1.6	0	0	19	00	16	0	1	0	1	0	1	11	0
GOLAGHAT	0830	95	1007.6	996.8	+0.9	27.2	25.2	24.3	30.4	84	+ 0	3.6	-2.7	1.4	0	0	21	02	3	1	1	6	4	4	0	9	0
	1730	95	1002.7	991.5	+0.6	31.1	26.4	24.3	30.6	69	-10	4.0	-1.4	0.3[c]	0	0	4	01	0	0	0	0	0	3	0	21	0
RANGIA	0830	60	1008.3	1001.5	..	29.1	26.5	25.3	32.4	80	+ 0	4.4	..	6.8[b]	0	3	22	01	0	16	1	2	0	4	1	4	0
	1730	60	1004.6	997.9	..	29.6	26.7	25.6	32.9	79	+ 1	4.6	..	2.7[c]	0	0	18	00	0	11	0	1	1	4	1	9	0
CHAPARMUKH	0830	66	1008.4	1001.0	+1.1	29.3	26.5	25.4	32.4	80	- 1	4.4	-0.7	2.3[c]	0	0	28	00	2	6	19	1	0	0	0	0	0
	1730	66	(R)																								
GOALPARA	0830	38	1006.5	1002.2	+0.9	27.3	25.6	24.8	31.4	87	+ 2	6.3	+0.8	2.0	0	0	27	00	8	12	4	0	0	2	1	3	0
	1730	38	1002.9	998.6	+1.1	30.1	26.5	24.9	31.4	75	- 2	5.8	+0.7	1.5	0	0	22	01	3	5	8	0	2	3	0	8	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – SEPTEMBER, 1969 BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or lst. in place, of mean standard isobaric level	At station level	Departure from normal	Dry bulb	Wet bulb	Dew point				Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NORTH ASSAM (INCLUDING NEFA) (CONT'D)																												
GAUHATI (BHORJOR)	0230	54	1004.8	998.6	..	25.3	24.7	24.4	30.6	94	..	4.8	..	2.1	0	0	10	00	2	2	1	2	0	3	0	20	0
	0530	54	1005.4	999.3	..	25.2	24.6	24.4	31.0	95	..	6.0	..	1.1	0	0	8	00	1	2	0	3	2	0	0	22	0
	0830	54	1007.2	1001.1	+0.0	28.5	26.0	24.9	31.6	81	- 2	5.4	-0.5	3.6	0	0	17	01	6	6	0	1	0	2	0	13	1
	1130	54	1005.8	999.8	..	30.2	26.3	24.7	31.2	73	..	5.2	..	10.2	0	0	30	10	9	4	0	0	1	0	6	0	0
	1430	54	1003.2	997.1	..	30.3	26.0	24.2	30.3	71	..	5.3	..	8.3	0	0	26	04	5	3	0	4	1	7	2	4	0
	1730	54	1003.2	997.1	-0.2	28.4	25.7	24.6	30.9	80	- 4	5.5	-0.2	5.1	0	0	21	02	2	2	2	3	5	5	0	9	0
	2030	54	1005.7	999.6	..	26.7	25.5	24.9	31.5	90	..	4.7	..	2.1	0	0	10	00	2	2	1	1	3	0	1	20	0
	2330	54	1005.8	999.7	..	25.9	25.0	24.5	30.8	92	..	4.9	..	1.7	0	0	5	00	1	1	0	1	2	0	0	25	0
DHUBRI (RUPSI)	0530	45	1004.9	999.7	..	25.1	24.6	24.4	30.6	96	..	5.7	..	4.4	0	0	26	04	13	3	3	1	0	1	1	4	0
	0830	45	1006.7	1001.6	+1.1	28.0	25.9	25.1	31.9	85	+ 1	5.9	+0.2	6.5	0	0	30	02	15	5	3	2	2	0	1	0	0
	1130	45	1005.7	1000.7	..	29.8	26.5	25.1	32.0	77	..	6.2	..	9.1	0	1	29	01	6	9	4	6	1	1	2	0	0
	1730	45	1002.8	997.7	+1.0	29.3	27.1	26.2	34.2	84	+ 0	5.3	+0.3	4.5	0	0	26	02	5	4	4	4	3	1	3	4	0
DHUBRI	0830	35	..	..	..	27.6	26.0	25.3	32.3	87	+ 1	5.4	+0.1	7.4	0	2	21	02	8	9	2	0	0	0	2	7	0
	1730	35	..	..	..	29.0	26.6	25.6	32.8	82	- 3	4.4	-0.8	1.6	0	0	12	01	3	6	0	1	0	1	0	18	0
LUMDING	0830		(R)																								
	1730		(R)																								
BOMDILLA	0830		..	..	..	15.1	13.8	13.1	15.1	88	..	7.5	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	14.5	13.1	12.2	14.2	86	..	8.0	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAWANG	0830		..	..	..	13.0	12.7	12.5	14.6	97	..	3.5	..	1.9	0	0	22	03	0	9	0	8	0	2	0	8	0
	1730		..	..	..	10.0	9.6	9.2	11.7	95	..	3.1	..	2.1[b]	0	0	20	01	0	5	1	11	0	2	0	9	0
TEZU	0830		..	..	..	26.9	24.2	22.9	28.1	79	..	6.2	..	0.3	0	0	1	01	0	0	0	0	0	0	0	30	0
	1730		..	..	..	28.6	25.8	24.3	30.4	79	..	4.9	..	0.1	0	0	1	00	0	0	0	0	0	0	0	29	1
ALONG	0830		..	..	..	26.5	24.4	23.5	29.1	85	..	6.4	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	27.2	25.3	24.3	30.6	84	..	4.5	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ZIRO	0830		..	..	..	20.0	18.5	17.9	20.4	88	..	4.9	..	2.1	0	0	14	03	8	0	0	0	1	1	1	16	0
	1730		..	..	..	20.3	18.6	17.7	20.3	85	..	5.0	..	4.1	0	0	21	02	0	0	0	3	10	4	2	9	0
KHONSA	0830		..	..	..	24.8	22.7	21.9	26.2	84	..	6.9	..	0.1[b]	0	0	1	00	0	0	1	0	0	0	0	28	0
	1730		..	..	..	24.6	22.6	21.6	25.9	84	..	7.2	..	0.6[b]	0	0	8	01	0	0	1	2	0	1	3	21	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
TURA	0830	370	1007.8	966.5	-0.1	25.4	24.5	24.1	30.1	92	- 4	6.0	-0.2	2.9[b]	0	0	23	00	2	8	4	1	1	6	1	6	0
	1730	370	1003.8	962.8	-0.6	27.1	25.4	24.4	30.8	86	+ 1	5.5	-1.2	2.4	0	0	21	00	3	4	4	4	2	4	0	9	0
HAFLONG	0830	682	1007.0	932.6	+0.8	2[illegible].6	22.1	20.9	24.8	81	- 5	4.9	-0.5	2.0	0	0	30	00	0	0	0	12	18	0	0	0	0
	1730	682	..	..	..	26.1	23.3	22.0	26.5	76	- 6	4.7	-0.7	2.0	0	0	30	00	0	0	0	0	30	0	0	0	0
SILCHAR (KUMBHIRGRAM)	0530	97	1006.0	993.5	..	24.7	23.6	23.1	28.3	91	..	5.5	..	7.2	0	0	28	00	13	15	0	0	0	0	0	2	0
	0830	97	1007.2	994.9	-0.8	28.4	25.2	23.7	29.4	77	- 7	5.1	-0.6	8.3	0	1	26	00	6	16	2	1	1	1	0	3	0
	1130	97	1005.6	993.4	..	31.5	26.1	23.7	29.4	65	..	4.9	..	8.9	0	3	26	01	6	4	4	3	6	4	1	1	0
	1730	97	1003.0	990.7	-0.2	30.0	25.7	23.7	29.4	70	-11	4.8	-0.3	6.2	0	2	19	02	4	4	1	0	3	7	0	9	0
SILCHAR	0830	29	1006.8	1003.5	-0.8	28.9	26.0	24.7	31.1	78	- 7	4.8	-1.3	0.1	0	0	2	01	1	0	0	0	0	0	0	28	0
	1730	29	1002.6	999.4	-0.8	30.8	26.4	24.5	30.9	70	-12	4.2	-1.3	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
IMPHAL (TULIHAL)	0530	781	1008.2	922.0	..	20.8	20.4	20.2	23.7	96	..	5.6	..	1.3	0	0	4	00	3	1	0	0	0	0	0	26	0
	0830	781	1008.6	923.5	+0.5	24.6	21.9	20.7	24.5	80	- 1	5.7	-0.4	4.4	0	0	14	01	3	3	3	3	0	1	0	16	0
	1130	781	1006.2	922.1	..	27.5	22.8	20.6	24.3	66	..	5.2	..	9.2	0	1	22	02	0	1	5	9	3	1	2	7	0
	1430	781	1003.3	919.6	..	28.3	22.8	20.2	23.7	62	..	4.6	..	12.1	0	2	26	04	1	0	4	10	6	1	2	2	0
	1730	781	1004.4	919.8	+2.2	25.1	22.1	20.6	24.3	77	- 3	5.0	-0.6	8.5	0	0	23	03	2	2	3	6	0	3	4	7	0
	2030	781	1007.6	922.1	..	23.1	21.7	21.0	24.9	88	..	3.9	..	2.5	0	0	8	01	0	0	0	5	0	1	1	22	0
	2330	781	1008.2	922.2	..	21.7	20.9	20.6	24.3	94	..	4.4	..	2.1	0	0	8	02	2	0	2	0	1	0	1	22	0
KAILASHAHAR	0530	29	1006.3	1003.0	..	25.3	24.8	24.6	30.9	96	..	4.4	..	2.3	0	0	15	00	1	1	4	9	0	0	0	15	0
	0830	29	1007.6	1004.4	+0.6	29.0	26.6	25.7	33.0	82	- 1	4.2	-2.1	5.7	0	0	28	01	4	3	5	15	0	0	0	2	0
	1130	29	1006.2	1003.0	..	31.4	27.3	25.6	32.9	72	..	5.4	..	9.2	0	0	30	05	5	3	6	6	1	3	1	0	0
	1730	29	1003.9	1000.7	+1.0	29.2	27.0	26.2	34.0	84	+ 1	5.2	-1.1	5.4	0	0	25	01	5	1	2	6	2	3	5	5	0
AGARTALA	0230	16	1004.0	1002.2	..	25.2	24.5	24.2	30.3	94	..	4.9	..	9.7	1	0	23	01	1	1	14	5	0	0	2	6	0
	0530	16	1004.6	1002.8	..	25.0	24.4	24.0	30.0	94	..	5.7	..	8.2	0	2	26	00	4	3	11	7	1	0	2	2	0
	0830	16	1006.1	1004.3	+0.5	29.0	26.3	25.2	32.1	80	- 6	6.0	-0.4	11.4	0	2	27	01	1	5	10	7	3	0	2	1	0
	1130	16	1004.9	1003.1	..	31.0	27.1	25.4	32.5	72	..	5.9	..	11.3	0	2	28	02	3	3	3	9	3	4	3	0	0
	1430	16	1002.3	1000.5	..	30.9	27.0	25.5	32.6	73	..	6.0	..	12.1	0	2	27	03	2	0	4	5	5	3	6	1	1
	1730	16	1002.5	1000.7	+0.2	28.5	26.1	25.1	32.0	82	- 3	5.5	-0.8	8.1	0	3	22	02	0	2	6	7	6	0	2	5	0
	2030	16	1004.9	1003.1	..	26.5	25.2	24.6	31.0	90	..	3.9	..	5.4	0	0	20	00	0	4	10	3	1	1	1	10	0
	2330	16	1004.9	1003.1	..	25.8	24.8	24.4	30.7	92	..	4.8	..	6.5[b]	0	1	20	00	1	2	12	4	0	1	1	8	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - SEPTEMBER, 1969 (BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 32 or more	20 to 31	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
TUENSANG	0830		(R)																								
	1730		(R)																								
MOKOKCHUNG	0830		(R)																								
	1730		(R)																								
SUB-HIMALAYAN WEST BENGAL																											
BAGHDOGRA	0230	131	1004.8	990.0	..	24.9	23.8	23.3	28.7	91	..	6.0	..	7.0	0	1	18	00	7	6	4	0	0	1	1	11	0
	0530	131	1005.2	990.3	..	24.4	23.4	23.0	28.1	92	..	6.4	..	5.1	0	0	13	00	8	4	0	1	0	0	0	17	0
	0830	131	1006.8	992.0	+0.4	27.5	24.7	23.4	28.9	79	- 2	5.8	+0.0	11.0	0	1	24	01	10	12	2	0	0	0	0	5	0
	1130	131	1006.1	991.4	..	29.8	25.8	24.1	30.1	72	..	5.9	..	13.3	0	1	28	01	6	11	9	2	0	0	0	1	0
	1430	131	1003.1	988.6	..	30.8	26.2	24.0	29.9	69	..	5.6	..	12.4	0	2	26	01	6	8	7	3	2	0	0	2	1
	1730	131	1003.0	988.3	+0.1	28.6	25.8	24.5	30.8	79	- 3	5.9	+0.4	9.5	0	3	16	03	7	6	2	0	0	0	1	11	0
	2030	131	1005.5	990.7	..	26.4	24.9	24.2	30.3	88	..	5.3	..	6.8	0	0	17	03	9	4	1	0	0	0	0	13	0
	2330	131	1005.8	991.0	..	25.7	24.5	24.0	29.8	90	..	5.9	..	6.7	0	0	18	03	6	6	2	0	0	1	0	12	0
JALPAIGURI	0830	83	1007.0	997.7	+0.4	26.5	24.7	23.8	29.6	85	- 2	5.2	-0.2	6.0[b]	0	1	23	06	7	8	2	1	0	0	0	5	0
	1730	83	1003.0	993.8	+0.3	28.8	25.6	24.2	30.2	77	- 2	4.3	-0.5	1.9	0	0	15	01	3	5	1	2	0	3	0	15	0
COOCH BEHAR AERODROME	0830	43	1007.2	1002.3	+0.8	27.7	25.6	24.7	31.2	85	+ 3	5.5	-0.2	8.7	0	3	22	00	4	18	0	3	0	0	0	5	0
	1130	43	1006.0	1001.3	..	29.8	26.3	24.8	31.4	76	..	5.8	..	11.6	0	2	27	00	3	16	4	4	0	0	0	1	2
	1730	43	1003.5	998.7	+1.0	28.8	26.2	25.1	31.9	80	- 1	5.2	-0.2	3.5	0	0	9	01	0	6	0	1	0	1	0	21	0
BALURGHAT	0830	26	1005.8	1003.0	..	29.0	26.6	25.6	32.9	83	..	5.0	..	3.2	0	0	29	03	5	10	8	1	1	0	1	1	0
	1730	26	1002.5	999.6	..	29.5	26.8	25.6	32.9	80	..	4.3	..	2.5	0	0	23	01	4	8	7	3	0	0	0	7	0
MALDA	0830	31	1005.6	1002.1	-0.3	28.5	26.3	25.3	32.4	83	+ 1	5.1	-0.6	2.8	0	0	21	01	2	11	3	1	1	0	1	9	1
	1730	31	1002.2	998.7	-0.2	29.4	26.4	25.2	32.0	79	- 1	5.0	-0.6	1.8	0	0	18	02	2	4	4	4	1	1	0	12	0
MASHIMARA AERODROME	0530	115	1006.1	993.0	..	23.9	23.3	23.1	28.3	95	..	6.2	..	1.2	0	0	3	01	0	0	1	1	0	0	0	27	0
	0830	115	1007.7	994.7	..	27.5	25.2	24.2	30.1	82	..	5.6	..	4.0	0	1	8	02	1	1	2	3	0	0	0	21	0
	1130	115	1006.7	993.8	..	30.6	26.3	24.5	30.8	72	..	5.8	..	8.3	0	0	22	00	0	3	7	9	2	1	0	8	0
	1730	115	1004.0	991.1	..	27.6	25.8	25.0	31.8	86	..	5.6	..	2.8	0	0	7	03	0	1	2	0	0	0	1	23	0
	2330	115	1006.6	993.5	..	25.1	24.1	23.6	30.0	92	..	5.3	..	2.6	0	1	6	01	1	1	0	3	1	0	0	23	0
GANGETIC WEST BENGAL																											
BERHAMPORE	0830	19	1005.7	1003.6	+0.2	28.3	26.5	25.8	33.5	87	+ 6	6.4	+0.5	2.9	0	0	21	00	0	6	2	7	6	0	0	9	0
	1730	19	1002.5	1000.3	+0.4	28.2	26.3	25.4	33.0	87	+ 7	6.3	+0.3	1.1	0	0	13	01	1	9	0	1	0	0	1	17	0
SURI	0830		..	..	..	28.6	26.0	24.8	31.3	80	- 3	6.3	+0.5	5.6	0	0	30	01	1	8	2	15	1	2	0	0	0
ASANSOL	0230	126	1003.3	989.1	..	26.1	24.9	24.4	30.6	90	..	5.5	..	3.7	0	0	17	00	0	7	3	3	0	3	1	13	0
	0530	126	1003.6	989.4	..	25.7	24.8	24.3	30.5	92	..	6.5	..	3.9	0	0	19	01	1	7	1	3	2	2	2	11	0
	0830	126	1005.2	991.1	+0.0	28.3	25.7	24.5	30.9	81	- 2	6.2	+0.5	4.9	0	0	27	01	0	11	3	3	2	2	5	3	0
	1130	126	1004.4	990.4	..	30.3	26.2	24.5	30.8	71	..	6.5	..	6.8	0	0	29	02	2	6	8	6	0	1	4	1	0
	1430	126	1001.5	987.8	..	30.8	26.2	24.3	30.4	69	..	6.2	..	6.5	0	0	29	02	3	8	5	7	1	1	2	1	0
	1730	126	1001.9	987.9	+0.3	28.5	25.7	24.5	30.8	80	+ 0	6.6	+0.3	4.3	0	0	25	01	2	6	3	8	1	2	2	5	0
	2030	126	1004.3	990.2	..	27.1	25.4	24.7	31.2	87	..	5.3	..	3.7	0	0	20	00	1	7	2	3	1	1	5	10	0
	2330	126	1004.4	990.2	..	26.3	25.0	24.5	30.7	89	..	5.1	..	4.1	0	0	18	01	0	8	1	2	1	4	1	12	0
SHANTI NIKETAN	0830	59	1005.7	999.0	..	27.9	26.1	25.4	32.5	87	..	6.3	..	3.5	0	0	20	00	1	6	3	5	2	2	1	10	0
	1130	59	1005.2	998.6	..	29.7	26.3	24.8	31.3	75	..	5.8	..	2.2	0	0	16	01	1	5	1	3	2	2	1	14	0
	1730	59	1002.3	995.7	..	28.8	26.5	25.5	32.7	83	..	6.5	..	2.5	0	0	16	01	1	4	4	1	2	2	1	14	0
KRISHNANAGAR	0830	15	1005.3	1003.7	-0.3	28.6	26.5	25.6	32.9	84	+ 1	3.9	-2.0	3.1	0	0	26	00	2	3	3	17	0	0	1	4	0
	1730	15	1003.2	1001.6	+0.9	29.1	26.6	25.6	32.7	82	- 1	4.5	-1.7	1.6	0	0	20	02	0	3	4	10	0	0	1	10	0
PURULIA	0830	255	1005.5	977.2	+0.1	26.9	25.0	24.1	30.1	85	+ 3	6.8	+1.3	4.7	0	1	24	02	0	7	5	2	1	2	6	5	0
	1730	255	1002.1	974.0	+0.2	28.2	25.2	23.8	29.6	78	- 1	6.7	+0.1	3.2[b]	0	0	26	02	1	3	14	2	0	0	4	3	0
BANKURA	0830	100	1005.0	993.6	..	27.8	25.7	24.7	31.2	84	..	4.9	..	1.5	0	0	19	00	2	10	1	4	0	0	0	11	2
	1730	100	1001.4	990.3	..	28.9	26.0	24.8	31.4	80	..	3.6	..	0.1	0	0	1	00	0	1	0	0	0	0	0	29	0
BURDWAN	0830	32	1005.5	1001.9	+0.1	28.8	26.1	25.0	31.7	80	- 3	4.5	-0.3	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	32	1001.9	998.3	-0.1	29.6	26.4	25.0	31.8	77	- 3	4.9	-0.5	..	.	..	..	..	..	..	..	..	..	..	..	..	..
CALCUTTA (DUM DUM)	0230	6	1003.0	1002.3	..	26.5	25.7	25.3	32.3	93	..	3.7	..	8.3	0	1	20	00	0	5	5	4	5	1	1	9	0
	0530	6	1003.5	1002.8	..	26.1	25.5	25.1	32.0	94	..	5.5	..	7.9	0	3	15	01	1	6	2	4	2	0	2	12	0
	0830	6	1005.2	1004.5	-0.4	28.4	26.1	25.1	32.0	83	+ 2	6.1	+0.0	12.9	0	4	25	02	2	6	7	7	2	2	1	1	0
	1130	6	1004.4	1003.7	..	30.0	26.7	25.4	32.5	77	..	6.7	..	15.8	0	6	22	01	2	3	10	7	3	2	0	2	0
	1430	6	1001.8	1001.3	..	31.2	25.9	25.1	33.8	79	..	6.5	..	34.0	1	6	21	01	1	4	8	7	3	3	1	2	0
	1730	6	1001.9	1001.2	-0.3	29.0	26.3	25.2	32.0	80	- 1	6.1	-0.4	11.9	0	1	27	00	0	3	7	8	5	3	2	2	0
	2030	6	1004.2	1003.5	..	27.7	26.1	25.5	32.6	88	..	5.0	..	10.7	0	3	20	00	0	2	7	7	5	1	1	7	0
	2330	6	1004.3	1003.6	..	27.0	25.9	25.5	32.6	91	..	4.4	..	9.9	0	2	23	00	1	3	5	9	5	1	1	5	0
CALCUTTA	0830	6	1005.2	1004.5	-0.3	29.0	26.3	25.2	32.1	80	- 4	6.3	+0.4	5.3	0	0	24	00	2	8	5	5	0	3	1	6	0
	1130	6	1004.4	1003.7	..	30.4	26.7	25.1	31.9	74	..	6.7	..	7.4	0	1	29	01	3	8	8	3	3	4	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – SEPTEMBER,1969(BHADRA 10 - ASVINA 8,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.) 62 or more	Wind Speed (Km. p. h.) 20 to 61	Wind Speed (Km. p. h.) 1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GANGETIC WEST BENGAL (CONTD)																											
CALCUTTA	1730	6	1002.0	1001.3	-0.2	28.9	26.3	25.2	32.1	81	-1	6.2	-0.2	5.3	0	0	28	00	2	3	7	8	3	4	1	2	0
MIDNAPORE	0830	45	1005.2	1000.1	-0.1	28.3	26.0	25.0	31.9	83	+0	5.0	-0.4	4.1	0	0	26	04	1	1	2	9	6	2	0	4	1
	1730	45	1001.8	996.7	-0.2	28.3	25.9	24.8	31.4	82	+0	5.1	-0.8	2.0	0	0	19	01	1	0	6	6	5	0	0	11	0
CONTAI	0830	11	1004.9	1003.7	+0.0	28.5	26.3	25.3	32.4	84	+0	6.1	+0.8	8.5	0	2	27	01	5	1	9	1	8	1	3	1	0
	1730	11	1001.7	1000.5	-0.2	28.4	26.4	25.6	32.8	85	+0	6.3	+1.2	11.0	0	3	26	00	1	3	12	9	2	1	0	1	1
SAGAR ISLAND	0830	3	1004.5	1004.2	-0.5	28.3	26.1	25.1	32.0	84	+2	5.9	+0.0	11.5	0	6	23	02	4	5	4	5	4	4	1	1	0
	1730	3	1001.6	1001.3	-0.5	28.7	26.4	25.4	32.5	83	+0	5.5	-0.4	11.5	0	5	22	00	1	5	9	8	3	0	1	3	0
SANDHEADS	0530	10	1003.3	1002.2	..	28.2	26.3	25.5	32.6	85	..	5.7	..	19.1	0	13	16	01	1	4	4	6	10	3	0	1	0
	0830	10	1004.9	1003.8	-0.5	28.8	26.4	25.4	32.4	82	+1	5.2	-0.3	16.3	0	12	17	00	3	1	3	8	11	1	0	1	0
	1130	10	1004.9	1003.8	..	29.5	26.6	25.4	32.5	79	..	5.7	..	14.9[b]	0	8	20	00	2	2	3	9	11	1	0	1	0
	1730	10	1002.1	1001.0	-0.4	29.2	26.7	25.6	32.8	81	-1	5.5	+0.1	18.8	0	10	18	00	0	4	5	10	9	0	0	2	0
	2330	10	1004.1	1003.0	..	28.6	26.5	25.6	32.9	84	..	6.7	..	15.8	0	8	21	00	2	1	6	8	12	0	0	1	0
BAGATI	0830		..	..	..	28.3	26.3	25.5	32.6	84	..	6.4	..	5.9	0	0	30	02	3	3	4	1	10	2	2	0	3
	1730		..	..	..	28.9	26.4	25.4	32.4	82	..	4.9	..	5.9	0	0	29	00	2	1	3	3	16	2	0	1	2
ORISSA																											
BARIPADA	0830	54	1005.5	999.4	+0.3	27.5	25.9	25.2	32.1	88	+5	6.1	+0.5	0.9	0	0	12	03	2	1	1	2	2	0	1	18	0
	1730	54	1002.8	996.7	+0.6	27.9	26.0	25.2	32.1	86	+1	6.6	+0.5	0.7	0	0	8	00	1	2	3	1	1	0	0	22	0
JHARSUGUDA	0230	230	1002.5	976.7	..	25.4	24.4	23.9	29.7	91	..	5.7	..	6.2	0	1	22	02	6	3	3	5	1	3	0	7	0
	0530	230	1002.9	977.2	..	24.9	24.1	23.8	29.5	93	..	5.9	..	5.7	0	1	18	02	3	3	4	3	3	1	0	11	0
	0830	230	1004.6	979.0	-0.2	27.5	25.0	23.9	29.2	81	-4	5.7	-0.7	8.6	0	1	27	00	5	5	4	4	3	6	1	2	0
	1130	230	1003.8	978.3	..	30.1	25.7	23.7	29.3	69	..	6.0	..	9.5	0	2	27	03	6	5	3	4	1	5	2	1	0
	1430	230	1001.0	975.7	..	30.5	25.7	23.5	29.0	67	..	6.2	..	13.6	1	3	24	02	5	3	3	3	5	3	4	2	0
	1730	230	1001.2	975.7	-0.1	28.8	25.4	23.6	29.2	74	-7	6.3	-0.6	7.9	0	0	23	01	0	3	7	2	2	6	2	7	0
	2030	230	1003.4	977.8	..	27.0	25.0	24.2	30.1	85	..	5.2	..	5.3	0	0	22	00	1	4	4	6	4	2	1	8	0
	2330	230	1003.9	978.1	..	25.8	24.7	24.1	30.1	89	..	5.7	..	5.8	0	1	21	01	2	5	4	2	4	4	0	8	0
KEONJHARGARH	0830	463	1009.6	953.5	-0.9	25.9	25.1	24.8	31.5	95	+13	2.4	-3.4	1.1	0	0	30	01	2	0	5	0	10	5	4	0	0
	1730	463	..	..	..	..	..	..	..	..	..	2.1	-5.1	1.1[b]	0	0	29	00	9	0	4	0	9	1	6	0	0
BALASORE	0830		(R)																								
	1730		(R)																								
SAMBALPUR	0830	148	1003.9	987.5	-1.1	27.4	24.7	23.8	29.7	80	-4	4.2	-1.7	0.5	0	0	7	00	2	0	1	1	2	1	0	23	0
	1730	148	1000.7	984.9	-0.3	29.0	25.7	24.3	30.4	77	-2	4.7	-1.8	1.3[b]	0	0	7	00	0	1	2	1	2	1	0	22	0
ANGUL	0830	139	1004.7	989.2	-0.7	27.3	25.3	24.4	30.6	85	+2	6.8	+0.7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	139	1001.4	986.1	-0.5	28.9	25.5	24.0	29.9	76	-2	7.0	+0.3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
CHANDBALI	0830	6	1004.8	1004.0	-0.7	26.3	26.4	25.7	32.9	86	+3	6.5	+1.2	4.8	0	0	30	01	1	4	4	3	5	6	6	0	0
	1730	6	1001.6	1001.1	-0.5	28.8	26.7	25.7	33.1	85	+3	6.2	+0.7	5.9	0	1	29	02	1	9	6	7	1	3	1	0	0
BOLANGIR	0830	190	1002.5	981.4	-1.5	27.6	25.1	23.9	29.8	81	-1	5.4	-0.9	6.1	0	0	24	00	5	2	0	7	10	0	0	6	0
	1730	190	1000.6	979.9	-0.3	29.6	25.7	23.8	29.7	71	-8	5.4	-1.4	2.1	0	0	19	02	3	1	2	5	4	0	2	11	0
PHULBANI	0830	464	1002.4	951.4	..	26.2	23.5	22.3	27.0	80	..	3.4	..	0.7	0	0	9	00	0	1	3	0	2	1	2	21	0
	1730	464	999.6	949.0	..	27.3	24.2	22.8	28.1	77	..	3.8	..	0.2	0	0	3	00	0	1	2	0	0	0	0	27	0
CUTTACK	0830	27	1005.1	1002.1	-0.3	28.5	26.2	25.2	32.0	84	+1	4.4	-1.1	2.0	0	0	17	03	3	3	1	2	0	5	0	13	0
	1730	27	1002.1	999.1	+0.0	29.9	26.6	25.3	32.2	77	-3	4.8	-1.3	2.2	0	0	15	01	1	3	2	6	1	1	0	15	0
TITLAGARH	0830	211	1004.0	980.5	-1.0	27.4	25.3	24.4	30.5	83	+0	4.9	+0.0	2.0	0	0	30	00	8	0	3	0	18	0	1	0	0
	1730	211	1000.1	976.8	-1.5	29.6	26.2	24.9	31.5	76	+0	4.6	-0.7	1.9	0	0	29	00	5	0	5	0	17	0	2	1	0
BHUBANESWAR	0230	46	1002.8	997.5	..	26.1	25.5	25.2	32.1	95	..	5.2	..	5.6	0	0	17	02	1	0	4	5	4	1	0	13	0
	0530	46	1003.0	997.8	..	25.9	25.3	25.1	31.8	95	..	6.2	..	5.5	0	0	18	02	1	3	3	2	0	4	3	12	0
	0830	46	1004.7	999.5	-0.2	27.9	26.1	25.4	32.4	86	+1	6.2	-0.1	8.1	0	3	18	07	0	3	2	2	3	3	1	9	0
	1130	46	1004.2	999.0	..	30.2	26.7	25.2	32.0	75	..	6.7	..	13.0	0	6	19	03	2	2	3	3	5	5	2	5	0
	1430	46	1001.8	996.6	..	29.5	26.2	24.8	31.3	77	..	7.1	..	15.2	0	10	18	03	5	4	2	5	2	5	2	2	0
	1730	46	1001.7	996.5	-0.1	28.7	26.2	25.2	32.0	82	-2	6.8	+0.1	11.4	0	5	19	02	2	1	5	8	4	0	2	6	0
	2030	46	1003.9	998.7	..	27.3	26.0	25.5	32.6	90	..	5.5	..	6.7	0	1	18	02	0	3	3	9	2	0	0	11	0
	2330	46	1004.0	998.8	..	26.7	25.9	25.5	32.6	93	..	5.6	..	6.7	0	2	16	01	1	0	2	5	7	1	1	12	0
PURI	0830	6	1005.9	1005.2	+0.5	29.8	27.7	26.9	35.4	85	+5	6.0	+0.5	10.5	0	5	25	05	3	0	2	8	5	4	3	0	0
	1730	6	1002.3	1001.6	-0.1	29.5	27.4	26.4	34.4	84	+3	6.0	+0.3	10.7[b]	0	4	24	05	0	0	0	8	10	0	5	1	0
GOPALPUR	0530	17	1002.8	1000.9	..	26.6	25.6	25.2	32.0	92	..	6.7	..	5.5	0	1	18	04	0	1	0	2	5	1	6	11	0
	0830	17	1004.7	1002.8	-0.8	28.2	26.1	25.3	32.2	84	+3	6.3	+0.7	6.7	0	0	24	01	1	0	0	5	6	3	8	6	0
	1130	17	1004.1	1002.2	..	30.5	26.8	25.3	32.2	74	..	6.4	..	12.0	0	2	28	05	2	0	4	8	7	1	3	0	0
	1730	17	1001.7	999.8	-0.8	29.2	26.3	25.1	32.0	79	-4	6.5	+0.5	13.4	0	6	21	01	1	4	2	9	8	1	1	3	0
	2330	17	1003.8	1001.9	..	27.6	26.0	25.3	32.3	87	..	5.3	..	10.7	0	4	21	04	0	0	1	2	12	3	3	5	0
KORAPUT	0830	913	1472.4	906.6	-0.3	23.0	21.1	20.2	23.7	85	-4	5.7	-0.2	18.0	0	7	23	00	0	0	0	5	9	2	14	0	0
	1730	913	1449.2	904.0	-0.3	23.9	21.4	20.2	23.7	81	-2	5.1	-1.5	16.3	0	1	29	05	1	1	0	1	10	3	9	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - SEPTEMBER, 1969 BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or Mt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORISSA (CONTD.)																											
PARADIP PORT	0830	11	1005.1	1004.2	..	28.7	27.1	26.5	34.6	88	..	3.6	..	20.8[b]	0	12	17	00	1	0	4	12	7	5	0	0	0
	1730	11	1002.0	1001.1	..	28.9	27.3	26.6	35.0	88	..	3.6	..	28.4	2	18	10	00	1	2	3	19	3	2	0	0	0
ROURKELA	0830	196	1005.1	983.1	..	27.4	25.3	24.3	31.6	84	..	5.1	..	9.3	0	4	14	00	5	3	0	6	1	3	0	12	0
	1730	196	1001.7	979.9	..	28.8	25.7	24.3	30.5	77	..	5.6	..	8.1	0	3	17	00	5	1	4	3	4	3	0	10	0
BHOWANI PATNA	0830		(R)																								
	1730		(R)																								
BIHAR PLATEAU																											
DUMKA	0830	149	1005.3	988.7	+0.1	27.9	24.8	23.4	28.8	77	- 4	5.0	+0.7	8.1[b]	0	0	24	00	3	14	1	1	0	2	3	5	0
	1730	149	1001.9	985.3	-0.1	27.9	24.9	23.6	29.2	78	- 2	5.0	+0.2	7.5	0	0	25	00	3	12	2	0	0	4	4	5	0
DALTONGANJ	0830	221	..	..	..	28.4	25.6	24.4	30.6	79	+ 0	5.7	+0.8	4.0	0	0	29	00	1	0	0	0	17	0	11	1	0
	1730	221	..	..	..	28.4	25.8	24.6	31.1	81	+ 4	6.2	+0.1	3.8	0	0	26	00	11	0	4	0	4	0	7	4	0
HAZARIBAGH	0830	611	..	..	..	..	..	..	..	..	..	6.3	+0.8	5.9	0	0	25	02	0	8	4	1	4	0	6	5	0
	1730	611	..	..	..	..	..	..	..	..	..	6.4	-0.7	4.2	0	0	22	01	0	4	7	4	0	0	6	8	0
DHANBAD	0830	257	1004.7	976.0	-0.5	26.6	25.1	24.3	30.5	88	+ 5	5.3	-0.6	4.2	0	0	25	00	1	0	19	0	2	1	1	5	1
	1730	257	1001.6	973.1	..	27.6	25.2	24.0	30.0	81	..	7.0	..	4.5	0	0	28	01	0	0	21	0	2	1	3	2	0
RANCHI AERODROME	0530	652	1003.3	931.6	..	22.7	22.2	21.9	26.4	96	..	5.6	..	11.5[d]	0	4	20	00	3	7	2	1	4	4	3	3	0
	0830	652	1004.8	933.3	+0.4	24.3	22.8	22.2	26.8	88	+ 3	5.7	-0.5	16.5	0	7	22	01	4	7	4	1	4	1	7	1	0
	1130	652	1003.7	932.9	..	26.4	23.4	22.0	26.5	77	..	6.0	..	18.9	0	11	19	03	4	7	5	2	3	0	6	0	0
	1430	652	1000.9	930.4	..	27.4	23.7	22.0	26.6	74	..	6.0	..	17.7	0	12	18	03	1	8	7	3	2	0	6	0	0
	1730	652	1001.3	930.5	+0.6	25.9	23.4	22.3	26.9	81	+ 1	5.6	-1.0	15.0	0	7	22	04	2	8	8	3	2	0	2	1	0
	2030	652	1004.2	932.8	..	24.0	23.0	22.5	27.4	92	..	4.5	..	9.9	0	2	18	00	1	4	5	2	1	1	6	7	0
JAMSHEDPUR	0830	129	1005.7	991.3	+0.5	27.5	25.5	24.7	31.1	85	+ 3	5.6	+0.0	4.1	0	0	23	00	0	10	2	0	1	5	5	7	0
	1730	129	1002.6	988.3	+1.1	29.1	26.1	24.8	31.4	79	+ 0	6.1	-0.3	3.5	0	0	25	03	1	9	8	1	0	1	2	5	0
JAMSHEDPUR P.B.O.	0530	142	1003.2	987.3	..	25.5	24.7	24.2	30.4	93	..	6.6	..	4.2	0	1	10	00	1	9	1	0	0	0	0	19	0
	0830	142	1004.9	989.0	+0.5	27.5	25.4	24.4	30.5	84	+ 1	6.1	-0.2	7.0	0	2	20	00	1	9	2	0	5	2	3	8	0
	1130	142	1004.0	988.3	..	29.7	26.0	24.4	30.5	74	..	5.9	..	8.0	0	0	25	02	2	10	2	0	2	4	3	5	0
	1430	142	1001.5	985.8	..	30.0	25.9	24.1	30.1	72	..	6.4	..	9.7	0	5	21	01	3	7	5	1	2	1	6	4	0
	1730	142	1001.5	985.8	+0.7	28.9	25.7	24.2	30.3	77	- 3	6.4	-0.5	6.5	0	0	20	01	0	6	8	2	1	0	2	10	0
	2030	142	1003.7	987.8	..	26.9	25.3	24.6	30.8	87	..	4.5	..	4.5	0	1	13	00	2	6	4	0	0	0	2	16	0
	2330	142	1004.1	988.2	..	26.2	25.1	24.6	30.9	91	..	4.5	..	3.7	0	2	10	00	1	9	1	0	0	0	1	18	0
CHAIBASA	0830	226	..	..	..	26.8	24.8	24.0	29.9	84	+ 1	5.7	-0.6	1.9	0	0	21	00	9	0	1	0	7	1	3	9	0
	1730	226	..	..	..	28.1	25.3	24.1	30.0	79	- 1	7.2	+0.2	1.8	0	0	17	00	7	0	6	0	4	0	0	13	0
BIHAR PLAINS																											
MOTIHARI	0830	66	1006.0	998.5	+0.5	27.7	26.0	25.3	32.3	87	+ 6	5.5	+0.4	2.9	0	0	26	01	2	15	6	0	1	0	1	4	0
	1730	66	1002.2	994.8	+0.6	29.3	26.8	26.1	33.9	83	+ 4	4.9	+0.5	1.7	0	0	16	00	0	13	0	0	0	3	0	8	0
FORBESGANJ	0830	61	1005.9	999.1	+0.7	28.2	25.6	24.5	30.8	81	- 1	5.0	-0.4	4.7	0	0	28	00	0	27	0	1	0	0	0	2	0
	1730	61	1002.6	995.8	+1.1	29.3	26.0	24.7	31.4	77	+ 1	4.0	-0.9	2.5[b]	0	0	22	00	1	14	5	1	0	1	0	7	0
DARBHANGA	0830	49	1006.1	1000.6	+0.6	29.0	26.6	25.7	32.8	81	+ 0	5.4	+0.0	2.0	0	0	19	00	4	8	5	0	1	0	1	11	0
	1730	49	1003.1	997.6	+1.3	28.7	26.5	25.6	33.1	84	+ 8	4.5	-0.8	0.9	0	0	13	00	3	6	2	1	0	1	0	17	0
MUZAFFARPUR	0830		..	..	..	28.4	26.8	26.1	33.9	88	..	5.0	..	5.0	0	0	25	02	2	16	3	0	1	1	0	5	0
	1730		..	..	..	28.3	26.8	26.2	34.1	89	..	4.7	..	3.3	0	0	22	03	1	13	2	1	2	0	0	8	0
CHAPRA	0830	58	1005.6	999.1	..	28.4	26.4	25.5	33.1	85	..	5.7	..	3.9	0	0	27	00	14	1	5	0	3	0	4	3	0
	1730	58	1001.8	995.5	..	28.8	26.5	25.4	32.6	81	..	5.2	..	3.1	0	0	28	01	17	0	0	0	7	0	3	2	0
PURNEA	0830	38	1006.0	1001.7	+0.4	28.2	26.2	25.4	32.4	85	+ 2	5.1	-0.2	1.9[b]	0	0	25	00	2	21	2	0	0	0	0	4	0
	1730	38	1002.7	998.5	+0.4	28.7	26.5	25.6	32.9	84	+ 2	5.1	+0.1	1.4[b]	0	0	18	02	2	12	1	1	0	0	0	11	0
PATNA AERODROME	0230	60	1003.0	996.2	..	26.7	25.8	25.5	32.7	91	..	6.1	..	9.4	1	1	15	00	0	15	1	0	0	1	0	13	0
	0530	60	1003.2	996.5	..	26.3	25.5	25.1	32.0	93	..	6.3	..	7.6	0	2	17	00	2	14	1	1	0	0	1	11	0
	0830	60	1004.9	998.2	+0.6	28.2	26.1	25.2	32.1	84	+ 1	6.1	+0.6	11.4	0	7	19	03	1	15	3	0	1	1	2	4	0
	1130	60	1004.5	997.8	..	30.1	26.6	25.2	32.1	76	..	6.2	..	13.4	0	7	21	00	2	14	4	3	0	2	3	2	0
	1430	60	1001.9	995.2	..	30.5	26.7	25.1	32.0	74	..	6.3	..	13.7	0	9	20	02	1	14	4	2	1	2	3	1	0
	1730	60	1001.6	994.9	+0.8	29.1	26.2	24.9	31.6	79	+ 3	5.9	+0.6	10.7	0	6	21	02	2	13	3	0	2	2	3	3	0
	2030	60	..	..	..	27.7	26.4	25.8	32.4	98	..	5.3	..	11.0	1	2	18	03	1	14	0	1	1	1	0	9	0
	2330		..	..	..	..	..	..	..	..	..	5.8	..	8.3	0	5	12	00	2	14	0	0	1	0	0	13	0
BHAGALPUR	0530	49	1003.9	998.4	..	26.2	25.4	25.0	31.8	93	..	6.0	..	6.1	0	2	21	00	2	10	9	1	0	0	1	7	0
	0830	49	1005.5	1000.1	+0.1	28.5	26.3	25.5	32.7	84	+ 2	5.9	+0.4	8.1	0	2	26	00	5	8	10	1	0	0	3	2	1
	1130	49	1005.0	999.6	..	30.1	26.9	25.5	32.7	77	..	6.2	..	9.2	0	4	25	01	3	14	9	0	0	0	2	1	0
	1730	49	1002.3	996.8	+0.3	28.4	26.1	25.2	32.0	83	+ 3	6.2	+0.5	7.1	0	2	22	00	6	9	4	0	2	1	2	6	0
	2330	49	1004.7	999.2	..	26.9	25.8	25.3	32.4	91	..	4.4	..	5.9	0	1	19	01	2	6	6	2	0	1	2	10	0
SABAUR	0830	37	1005.7	1001.5	+0.3	28.4	26.5	25.5	32.8	86	+ 2	5.8	+0.0	9.9	0	3	26	03	4	13	6	1	2	0	0	1	0
	1730	37	1002.3	998.1	+0.5	28.3	26.3	25.5	32.7	85	+ 2	6.0	+0.0	6.5	0	0	25	01	5	12	1	0	1	1	4	5	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - SEPTEMBER, 1969 BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lst. in gms. of nearest standard isobaric level.	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point				Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BIHAR PLAINS (CONTD.)																											
JAMUI	0830		(R)																								
	1730		(R)																								
DEHRI	0830	107	1004.3	992.3	-0.2	28.4	26.4	25.4	32.5	85	+ 2	5.3	+0.3	33.7b	1	0	27	02	2	5	11	0	2	1	3	1	2
	1730	107	1000.8	988.9	+0.2	30.1	26.7	25.4	32.6	77	+ 8	6.0	+0.5	3.3	0	0	30	02	14	5	3	0	0	6	0	0	0
GAYA	0230	116	1003.2	990.2	..	26.0	25.6	25.4	32.5	96	..	5.5	..	5.9	0	1	17	01	10	3	0	2	2	0	0	12	0
	0530	116	1003.5	990.4	..	25.6	25.3	25.1	32.0	97	..	5.7	..	5.9	0	2	17	00	7	4	3	1	1	2	1	11	0
	0830	116	1005.0	992.0	-0.1	28.0	26.1	25.3	32.3	85	+ 6	5.8	+4.4	8.8b	0	6	19	01	6	7	3	2	3	2	1	4	0
	1130	116	1004.6	991.7	..	30.2	26.8	25.4	32.6	76	..	5.9	..	11.3	0	6	22	02	7	7	3	0	3	5	1	2	0
	1430	116	1001.9	989.1	..	31.0	27.0	25.4	32.6	73	..	6.1	..	12.3	0	6	20	04	8	6	0	0	0	4	4	4	0
	1730	116	1001.9	989.0	+0.5	28.9	26.5	25.5	32.7	83	+ 9	6.0	+0.3	11.6b	0	7	18	02	8	5	2	1	1	4	2	4	0
	2030	116	1003.9	990.9	..	27.2	26.2	25.7	33.2	92	..	5.5	..	8.6b	0	2	19	02	8	4	2	2	0	2	1	8	0
	2330	116	1004.4	991.3	..	26.4	25.7	25.4	32.6	94	..	5.5	..	6.7	0	3	14	00	8	5	0	2	1	1	0	13	0
SUPAUL	0830		..	..	..	28.0	27.0	26.5	34.7	92	..	1.9	..	7.5	0	0	29	00	0	29	0	0	0	0	0	1	0
	1730		..	..	..	29.4	28.6	28.1	38.0	92	..	0.0	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
UTTAR PRADESH EAST																											
KHERI	0830	147	1004.2	987.7	-0.8	27.3	25.5	24.8	31.3	86	+ 1	5.0	+1.5	5.5	0	0	24	00	0	23	0	0	0	0	0	6	1
	1730	147	1001.3	984.9	-0.2	29.2	26.3	25.0	31.7	79	+ 2	4.4	+0.9	3.3	0	0	23	00	0	19	0	0	1	3	0	7	0
BAHRAICH	0830	124	1005.0	991.1	-0.1	27.7	25.4	24.3	30.5	82	+ 2	6.1	+1.9	8.0	0	1	24	00	2	8	15	0	0	0	0	5	0
	1730	124	1001.8	988.0	+0.4	29.5	25.9	24.4	30.5	75	+ 3	5.8	+1.3	5.0	0	0	21	01	2	7	9	0	0	1	1	9	0
NAUTANWA	0830	99	1005.8	994.6	+1.0	28.1	25.5	24.2	30.1	79	- 3	4.1	-0.2	3.3	0	0	24	00	4	8	10	0	0	1	1	6	0
	1730	99	1002.4	991.3	+0.5	29.8	26.1	24.6	30.8	74	- 2	3.2	-0.6	2.1	0	0	19	00	2	7	6	1	1	1	1	11	0
HARDOI	0830	142	1004.2	988.1	-0.6	27.9	25.7	24.8	31.1	83	+ 1	4.3	+1.0	3.1	0	0	22	00	0	12	3	3	0	4	0	8	0
	1730	142	1001.1	985.3	-0.1	29.0	26.0	24.4	30.8	75	+ 4	4.3	+1.0	2.0	0	0	19	03	1	7	2	2	0	4	0	11	0
GONDA	0830	110	1005.2	992.9	-0.1	27.9	25.8	25.0	31.8	84	+ 2	5.7	+1.5	2.9	0	0	21	00	0	18	0	1	0	1	1	9	0
	1730	110	1001.9	989.8	+0.4	29.3	26.3	25.2	32.2	80	+ 4	4.5	+0.3	1.6	0	0	12	00	1	9	0	2	0	0	0	18	0
LUCKNOW	0830	111	1003.3	990.8	-1.6	26.7	25.5	24.9	31.6	90	+ 8	5.5	+1.5	0.4	0	0	5	00	0	5	0	0	0	0	0	25	0
	1730	111	1000.8	988.5	-1.1	29.2	25.8	24.5	30.8	77	+ 3	4.7	+0.9	0.3	0	0	4	00	0	4	0	0	0	0	0	26	0
LUCKNOW (AMOUSI)	0230	128	1002.6	988.1	..	25.6	25.0	24.7	31.2	94	..	4.3	..	7.5	0	2	18	00	3	13	1	1	1	1	0	10	0
	0530	128	1002.7	988.2	..	25.4	24.9	24.6	31.0	95	..	5.0	..	7.9	0	2	20	00	5	10	2	0	3	1	1	8	0
	0830	128	1004.2	990.2	+0.2	27.1	25.6	24.9	31.5	88	+ 7	5.3	+0.8	11.9	0	6	19	00	1	12	4	3	2	1	2	5	0
	1130	128	1004.2	990.0	..	30.1	26.5	25.0	31.7	75	..	5.2	..	13.5	0	7	22	01	3	11	3	3	2	4	2	1	0
	1430	128	1001.7	987.6	..	30.3	26.4	24.7	31.2	73	..	5.6	..	13.1	0	5	24	02	1	7	5	4	2	4	4	1	0
	1730	128	1001.2	986.9	+0.1	28.9	25.9	24.6	31.1	79	+ 6	4.6	+0.0	9.2	0	1	25	02	3	9	1	4	2	3	2	4	0
	2030	128	1003.1	988.8	..	26.8	25.6	25.0	31.8	90	..	4.2	..	7.3	0	1	22	01	4	8	1	2	1	4	2	7	0
	2330	128	1003.6	989.8	..	26.0	25.2	24.9	31.6	93	..	4.1	..	6.5	0	2	16	00	4	6	2	1	2	2	1	12	0
FAIZABAD	0830	102	1004.8	993.6	+0.6	27.6	25.8	25.1	31.8	85	+ 3	6.3	+1.5	4.8	0	1	18	00	1	8	8	0	0	2	0	11	0
	1730	102	1001.7	990.3	+0.7	28.6	26.3	25.4	32.4	82	+ 4	4.9	-0.1	5.3	0	1	18	00	1	9	9	0	0	0	0	11	0
GORAKHPUR	0830	77	1005.1	996.6	+0.4	27.9	25.6	24.6	30.9	82	+ 1	6.1	+1.5	1.1	0	0	16	00	0	13	3	0	0	0	0	14	0
	1730	77	1002.2	993.7	+1.1	30.0	26.1	24.4	30.7	73	- 1	5.3	+0.7	1.9	0	0	21	01	1	12	0	3	1	3	0	9	0
GORKHPUR P.B.O.	0230	78	1003.2	994.4	..	27.1	25.4	24.7	31.1	86	..	5.0	..	5.0	0	0	23	02	11	6	4	0	0	0	0	7	0
	0530	78	1003.6	994.7	..	26.8	25.3	24.8	31.4	89	..	5.3	..	5.5	0	0	24	02	6	10	4	1	0	1	0	6	0
	1130	78	1005.0	996.1	..	29.6	26.6	25.5	32.8	79	..	6.1	..	7.3	0	0	29	00	4	9	14	1	0	0	1	1	0
	1430	78	1002.1	993.4	..	30.4	27.0	25.3	32.4	75	..	6.0	..	8.8	0	3	25	01	0	14	6	4	1	1	1	2	0
	2030	78	1003.8	995.0	..	28.4	26.3	25.3	32.2	83	..	4.1	..	5.0	0	0	23	01	3	11	5	1	1	1	0	7	0
	2330	78	1004.2	995.5	..	27.7	25.7	25.1	31.9	85	..	4.1	..	4.3	0	0	21	02	9	5	4	0	0	1	0	9	0
KANPUR	0830	126	1003.5	989.6	-1.1	27.3	24.9	23.8	29.6	82	+ 1	5.2	+1.4	9.5b	0	0	26	00	1	14	1	1	3	4	2	3	0
	1730	126	1000.7	986.6	-0.9	29.0	25.7	24.3	30.4	77	+ 8	4.7	+0.6	8.0b	0	0	23	02	2	10	1	2	0	5	1	6	0
KANPUR (AERODROME)	0530	126	1002.7	988.6	..	25.2	24.7	24.4	30.7	96	..	5.0	..	10.7	0	3	20	00	1	11	4	2	3	1	1	7	0
	0830	126	1004.3	990.2	..	27.3	25.6	24.9	31.6	86	..	5.5	..	15.8	0	6	23	02	1	11	4	4	1	4	2	1	0
	1130	126	1004.2	990.3	..	30.2	26.3	24.7	31.2	73	..	5.2	..	17.4	0	8	21	02	1	8	8	4	1	3	2	1	0
	1730	126	1001.2	987.2	..	29.1	26.1	24.8	31.4	78	..	5.2	..	13.9b	0	5	20	03	2	8	5	1	2	2	2	4	0
	2330	126	1003.6	989.5	..	26.1	25.2	24.9	31.5	93	..	4.1	..	11.3	0	3	22	01	2	13	4	2	0	3	0	5	0
SULTANPUR	0830	97	1004.7	993.9	+0.3	28.7	26.4	25.5	32.6	84	+ 2	6.0	+1.3	2.7	0	0	21	02	0	13	0	1	2	2	1	9	0
	1730	97	1001.4	990.8	+1.0	29.7	26.6	25.5	32.7	81	+ 4	5.0	+0.3	1.7	0	0	15	00	1	10	1	0	2	1	0	15	0
AZAMGARH	0830	78	1004.5	995.8	+0.6	27.4	25.9	25.2	32.2	88	+ 4	5.1	+1.1	3.7	0	0	23	01	1	16	3	0	0	2	0	7	0
	1730	78	1001.5	992.8	+0.6	29.4	26.6	25.3	32.4	79	+ 0	4.3	+1.1	2.7	0	0	18	00	0	15	0	0	0	3	0	12	0
FATEHPUR	0830	114	..	..	..	27.4	26.1	25.6	32.9	90	+ 8	5.4	+1.5	3.5	0	0	20	00	0	11	1	0	0	8	0	10	0
	1730	114	..	..	..	29.2	27.0	26.1	33.9	85	+11	4.7	+0.6	2.4	0	0	16	01	0	10	0	0	0	3	2	14	0
BALLIA	0830	64	..	..	..	28.5	26.9	26.5	34.8	89	+ 5	6.2	+1.6	2.8	0	0	26	00	1	20	3	0	0	2	0	4	0
	1730	64	1002.3	995.1	+1.1	28.6	26.1	25.3	32.5	82	+ 7	7.2	+2.5	0.8	0	0	11	00	1	9	1	0	0	0	0	19	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - SEPTEMBER, 1969 (BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																											
BANDA	0830		(R)																								
	1730		(R)																								
ALLAHABAD (BAMHRAULI)	0230	98	1002.3	991.3	+3.4	26.3	25.2	24.7	31.2	91	+17	5.0	+1.5	2.5	0	0	11	00	0	8	1	2	0	0	0	19	0
	0530	98	1002.5	991.4	..	25.7	24.8	24.4	30.6	93	..	4.9	..	3.0	0	0	11	00	1	5	3	0	0	2	0	19	0
	0830	98	1004.1	993.1	-0.7	27.9	25.7	24.8	31.3	83	+ 2	5.1	+0.2	5.3	0	0	22	00	1	8	2	2	3	4	2	8	0
	1130	98	1003.9	993.3	..	30.6	26.6	24.9	31.5	72	..	5.5	..	6.8	0	1	23	02	2	7	3	1	4	3	2	6	0
	1430	98	1001.4	990.5	..	31.2	26.9	25.2	32.2	72	..	5.7	..	6.9	0	0	25	02	1	8	3	0	1	6	4	5	0
	1730	98	1000.9	990.0	-0.6	29.6	26.6	25.3	32.3	79	+ 8	5.4	+0.3	3.7	0	0	17	00	4	8	1	0	1	2	1	12	0
	2030	98	1002.9	992.0	..	27.5	25.8	25.1	31.8	86	..	4.5	..	2.1	0	0	12	00	3	6	1	0	1	1	0	18	0
	2330	98	1003.3	992.4	..	26.7	25.4	24.9	31.5	90	..	4.6	..	3.5	0	0	14	00	0	8	2	0	1	3	0	16	0
VARANASI (BABATPUR)	0530	85	1003.1	993.4	..	26.0	25.2	24.8	31.4	94	..	5.4	...	6.4	0	1	18	01	3	9	3	0	0	3	0	11	0
	0830	85	1004.8	995.1	-0.5	28.0	26.1	25.2	32.2	86	+ 4	5.1	+0.3	8.3	0	2	20	00	2	10	2	1	2	4	1	8	0
	1130	85	1004.4	994.8	..	30.1	26.5	25.0	31.7	75	..	5.6	..	10.8	0	5	21	00	2	8	3	1	2	6	2	4	2
	1730	85	1001.5	991.9	-0.3	29.1	26.1	24.9	31.6	79	+ 5	5.4	+0.4	9.2	0	1	25	01	6	8	0	1	1	5	1	4	3
	2330	85	1003.9	994.0	..	26.7	25.8	25.4	32.5	93	..	4.6	..	8.0	0	1	17	01	2	9	3	0	3	0	0	12	0
VARANASI	0830	76	1004.2	995.6	-0.6	27.8	25.7	24.7	31.2	83	+ 1	6.2	+1.6	2.1	0	0	17	00	2	7	2	0	3	3	0	13	0
	1730	76	1000.9	992.4	-0.4	29.6	26.0	24.5	30.8	75	+ 1	5.9	+0.8	2.1	0	0	22	00	4	9	0	0	0	4	5	8	0
UTTAR PRADESH WEST																											
MUKHIM	0830		..	..	..	18.2	16.0	14.7	16.8	80	- 4	3.9	..	2.1	0	0	17	01	4	3	2	0	2	3	2	13	0
	1730		..	..	..	18.6	16.0	14.6	16.7	78	- 5	2.8	..	4.3	0	0	22	02	1	7	1	2	1	5	3	8	0
TEHRI	0830		..	..	..	22.3	20.3	19.3	22.4	83	+ 0	5.0	+0.9	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1130		..	..	..	25.6	20.1	17.0	19.6	60	..	4.8	..	2.2	0	0	17	00	1	3	4	4	4	0	0	13	1
	1730		..	..	..	26.7	20.2	16.6	19.0	55	- 5	4.5	+0.1	1.5	0	0	17	00	1	0	12	1	3	0	0	13	0
DEHRA DUN	0530	682	1004.7	929.2	..	21.6	20.7	20.2	23.9	92	..	5.1	..	0.6	0	0	6	03	2	0	1	0	0	0	0	24	0
	0830	682	1005.4	930.2	-0.2	23.1	21.6	20.8	24.9	87	+ 7	4.9	+1.0	1.1	0	0	14	06	0	2	2	4	0	0	0	16	0
	1130	682	1005.2	930.9	..	26.4	23.0	21.4	25.6	75	..	5.2	..	2.0	0	0	14	01	0	2	4	2	2	2	1	16	0
	1730	682	1002.1	928.0	+0.2	26.6	23.1	21.5	25.8	75	+ 2	4.9	+0.7	2.1	0	0	22	03	0	0	0	3	2	12	2	8	0
	2330	682	1005.0	929.9	..	23.0	21.8	21.4	25.2	90	..	4.3	..	0.6	0	0	5	02	1	0	2	0	0	0	0	25	0
MANSIARI	0830		(R)																								
	1730		(R)																								
ROORKEE	0830	274	1005.5	974.7	+0.5	25.4	23.8	23.0	28.2	87	+ 7	4.3	+0.7	0.3	0	0	5	00	1	0	4	0	0	0	0	25	0
	1730	274	1002.7	972.5	+1.4	29.7	26.5	25.1	32.0	78	+14	3.7	+0.3	0.5	0	0	8	01	2	0	2	0	0	0	3	22	0
NAJIBABAD	0830	270	1005.6	975.4	+0.8	25.4	24.1	23.4	29.0	89	+ 8	4.7	+1.8	4.9	0	0	25	00	3	6	10	4	0	1	1	5	0
	1730	270	1002.6	972.7	+0.4	29.1	25.8	24.4	30.7	77	+10	3.1	+0.5	3.5	0	0	17	00	0	2	5	0	1	6	3	13	0
MEERUT	0830	222	1005.1	980.1	-0.1	26.0	24.0	23.1	28.5	84	+ 8	1.0	-1.3	2.7	0	0	19	00	2	9	2	0	0	3	3	11	0
BAREILLY	0830	173	1004.6	985.2	-0.1	27.2	25.3	24.5	30.9	85	+ 6	5.4	+1.5	4.1	0	0	30	04	2	16	3	0	2	2	1	0	0
	1730	173	1001.5	982.6	+0.6	29.1	25.9	24.5	31.1	77	+ 9	4.5	+0.5	3.1	0	0	26	04	2	13	0	0	1	5	1	4	0
BAREILLY P.B.O.	0230	172	1002.6	983.3	..	26.2	25.0	24.5	30.9	91	..	4.4	..	6.9	0	0	28	00	5	12	6	0	0	2	3	2	0
	0530	172	1002.7	983.4	..	25.7	24.6	24.2	30.3	92	..	5.3	..	8.2	0	2	26	02	5	12	5	0	0	2	2	2	0
	1130	172	1004.3	985.1	..	29.1	25.7	24.5	30.9	77	..	5.5	..	9.8	0	2	28	01	5	11	7	0	0	3	3	0	0
	1430	172	1002.0	982.9	..	29.8	25.9	24.5	30.9	75	..	5.5	..	8.6	0	3	26	02	3	9	6	0	1	4	4	1	0
	2030	172	1003.0	983.9	..	27.6	25.5	24.8	31.1	85	..	3.5	..	6.1	0	0	24	02	5	9	4	0	0	3	1	6	0
	2330	172	1003.6	984.3	..	26.7	25.1	24.5	30.8	88	..	3.7	..	6.1	0	0	27	00	5	9	7	0	0	3	3	3	0
ALIGARH	0830	187	1005.0	983.6	-0.5	26.9	24.4	23.2	28.7	81	+ 7	4.5	+1.3	5.0	0	1	28	01	5	14	2	0	1	6	0	1	0
	1730	187	1001.9	980.7	-0.2	30.4	25.2	22.7	27.9	66	+ 5	4.9	+1.4	3.9	0	0	28	07	3	7	0	2	0	5	4	2	0
MAINPURI	0830	157	1004.0	986.4	-0.6	27.0	25.2	24.4	30.8	88	+ 6	4.7	+1.0	2.8	0	0	24	00	0	16	0	0	0	8	0	6	0
	1730	157	1001.3	983.9	+0.1	29.8	26.6	25.2	32.2	79	+10	4.4	+0.5	2.2	0	0	18	00	0	11	0	0	0	7	0	12	0
AGRA	0830	169	1004.5	985.6	-0.4	27.7	24.4	22.9	28.2	76	- 1	2.8	-0.4	0.9	0	0	11	00	4	0	5	0	1	0	1	19	0
	1730	169	1001.2	982.6	-0.3	31.2	25.4	22.6	27.7	63	+ 1	4.3	+0.9	5.6	0	0	20	00	7	0	4	0	2	0	7	10	0
AGRA AERODROME	0230	169	1003.0	984.0	..	25.8	24.1	23.2	28.7	86	..	3.9	..	7.0	0	0	23	06	1	7	4	3	0	0	2	7	0
	0530	169	1002.8	983.8	..	24.7	23.7	23.2	28.8	91	..	4.2	..	7.3	0	0	23	05	0	8	3	2	0	1	4	7	0
	0830	169	1004.0	985.3	..	27.3	25.2	24.3	30.6	84	..	4.6	..	10.3	0	2	22	03	2	4	7	1	1	2	4	5	0
	1130	169	1004.3	985.7	..	31.1	26.0	23.6	29.4	65	..	4.3	..	12.2	0	1	29	04	3	7	4	1	0	4	7	0	0
	1730	169	1001.2	982.6	..	31.0	25.7	23.2	28.8	66	..	4.1	..	11.2	0	1	29	11	1	5	4	1	0	2	6	0	0
	2330	169	1003.7	984.8	..	26.5	24.4	23.4	29.0	83	..	3.7	..	8.4	0	0	25	06	1	9	3	1	0	1	4	5	0
ORAI	0830	141	1005.2	989.5	+0.0	29.3	26.2	24.8	31.4	77	+ 0	4.4	+0.9	3.5	0	0	30	02	8	1	1	0	0	0	18	0	0
	1730	141	1001.4	985.8	-0.2	29.9	26.4	25.0	31.7	76	+ 8	4.7	+1.0	3.3	0	0	30	03	7	4	3	1	1	1	10	0	0
JHANSI	0830	251	1003.7	976.0	-1.0	26.6	23.5	22.0	26.7	77	- 1	4.1	+0.4	1.0	0	0	13	00	0	4	0	2	0	7	0	17	0
	1730	251	1000.7	973.1	-0.9	29.2	24.9	22.8	27.8	70	+ 5	4.1	-0.4	1.3	0	0	16	00	0	5	0	3	0	8	0	14	0
MORADABAD	0830		..	..	..	26.0	24.4	23.7	29.4	87	..	3.6	..	3.8	0	0	26	01	20	1	0	1	0	0	3	4	0
	1730		..	..	..	29.6	26.9	25.6	33.1	80	..	3.1	..	5.0	0	0	30	00	21	0	2	0	2	0	5	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - SEPTEMBER 1969 (BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lst. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST (CONTD.)																											
UTTAR KASHI	0830		(*)																								
	1730		(*)																								
ASCOT	0830		..	..	..	17.6	16.4	15.5	17.9	88	..	5.4	..	0.7	0	0	11	00	1	3	1	1	2	3	0	19	0
	1730		..	..	..	20.4	17.9	16.6	19.0	79	..	4.6	..	1.1	0	0	15	01	0	2	0	2	0	9	1	14	0
DHARCHULA	0830		..	..	..	..	..	..	..	..	..	5.1	..	0.5	0	0	1	00	1	0	0	0	0	0	0	29	0
	1730		..	..	..	..	..	..	..	..	..	4.7	..	0.3	0	0	4	01	0	2	0	0	0	1	0	26	0
HARYANA (INCLUDING DELHI AND CHANDIGARH)																											
CHANDIGARH	0830	347	1004.2	965.1	-0.6	25.7	23.1	21.8	26.3	80	+ 7	2.6	-0.1	1.5	0	0	9	00	0	6	0	0	0	0	3	21	0
	1730	347	1001.9	963.4	+0.1	30.2	24.3	21.4	25.7	61	- 3	3.5	+0.2	3.3	0	0	21	00	0	5	0	0	1	0	15	9	0
AMBALA	0830	272	1005.0	973.7	-0.5	26.1	24.3	23.4	28.8	85	+ 5	1.4	-1.2	1.3	0	0	17	00	2	0	13	0	1	0	1	13	0
	1730	272	1001.9	972.0	+0.9	30.2	24.8	22.3	29.0	65	+ 7	2.0	-0.4	1.7	0	0	24	00	3	0	5	0	1	0	12	6	0
AMBALA P.B.O.	0830	276	1003.1	972.0	..	25.6	23.8	23.1	28.3	87	..	2.1	..	3.9	0	0	16	01	2	1	10	0	1	0	1	14	0
	0530	278	1003.3	972.1	..	24.5	23.3	22.8	27.9	90	..	3.7	..	3.7	0	0	16	01	2	2	9	0	0	0	2	14	0
	1130	278	..	.	..	29.8	26.1	24.8	31.3	75	..	4.0	..	6.1	0	1	18	00	2	2	8	0	0	0	7	11	0
	1430	278	1002.6	971.9	..	30.2	25.7	24.3	30.5	71	..	4.3	..	5.1	0	0	19	00	2	0	3	0	0	2	12	11	0
	2030	278	1002.9	972.0	..	28.3	25.5	24.5	30.8	80	..	1.6	..	2.3	0	0	13	00	0	1	3	0	0	0	9	17	0
	2330	278	1003.6	972.0	..	27.0	24.8	23.8	29.6	83	..	2.1	..	4.8	0	0	18	01	1	1	8	0	0	0	7	12	0
AMBALA AERODROME	0530	274	1003.6	972.6	..	23.2	22.6	22.4	27.3	96	..	4.5	..	4.4	0	0	14	00	2	4	3	0	0	3	2	16	0
	0830	274	1004.7	973.9	..	25.4	24.2	23.6	29.2	91	..	3.3	..	8.1	0	0	22	00	1	7	8	0	1	3	2	7	0
	1130	274	1004.7	974.3	..	29.6	25.7	23.9	29.6	74	..	3.6	..	11.3	0	1	23	01	0	3	9	2	1	3	5	6	0
	1730	274	1001.6	971.3	..	29.3	25.6	23.9	29.7	74	..	3.1	..	10.5	0	0	26	02	1	2	5	0	3	6	7	4	0
	2330	274	1003.7	972.9	..	24.4	23.5	23.0	28.4	92	..	2.3	..	3.6	0	0	11	01	0	2	4	0	0	2	2	19	0
KARNAL	0830	249	1004.6	976.8	+0.2	26.8	24.3	23.0	28.4	80	+ 1	2.7	-0.3	2.9	0	0	23	00	6	10	1	0	0	5	1	7	0
	1730	249	1001.1	973.7	-0.3	30.5	24.7	21.9	26.5	61	+ 3	2.1	-1.1	3.3	0	0	28	02	3	8	1	0	0	8	6	2	0
HISSAR	0530	221	1003.1	978.2	..	24.6	23.6	23.1	28.4	92	..	2.4	..	3.9	0	0	20	00	2	5	4	1	3	4	1	10	0
	0830	221	1004.6	979.8	-0.2	26.4	24.8	24.0	30.1	91	+19	3.2	+1.4	3.5	0	0	21	00	0	6	6	0	1	6	2	9	0
	1130	221	1004.7	980.3	..	31.6	27.3	25.5	33.0	72	..	3.1	..	7.6	0	0	28	01	0	6	8	1	0	9	2	2	1
	1430	221	1002.4	978.2	..	33.5	28.2	26.0	33.9	66	..	3.3	..	7.4	0	1	25	03	1	7	4	0	1	8	1	4	1
	1730	221	1001.5	977.2	-0.1	31.4	29.5	29.0	34.9	87	+34	3.1	+0.9	6.4	0	3	19	05	4	7	2	1	0	1	2	8	0
	2330	221	1003.5	978.8	..	26.6	24.7	23.9	29.8	86	..	1.9	..	4.2	0	0	21	00	0	7	5	2	4	2	1	9	0
NEW DELHI/SAFDARJUNG	0230	216	1003.0	978.7	..	25.9	24.1	23.1	28.5	85	..	3.5	..	8.1	0	1	26	01	8	6	5	2	2	3	0	3	0
	0530	216	1003.1	978.8	..	23.2	23.4	22.6	27.8	85	..	3.7	..	8.1	0	0	29	01	7	9	2	1	6	3	0	1	0
	0830	216	1004.7	980.4	+0.1	27.0	24.2	22.7	28.1	78	+ 8	4.1	+1.0	9.2	0	2	26	01	7	7	1	2	2	5	2	2	1
	1130	216	1004.6	980.6	..	31.5	25.2	22.7	27.9	66	..	4.1	..	14.4	0	5	25	02	5	8	3	0	1	8	3	0	0
	1430	216	1002.2	978.5	..	32.3	25.4	22.1	26.9	58	..	4.2	..	13.3	0	7	23	01	9	4	1	0	1	6	7	0	1
	1730	216	1001.5	977.7	+0.4	30.9	25.0	22.1	26.8	63	+ 9	4.1	+1.0	9.9	0	1	29	02	8	4	2	0	0	6	8	0	0
	2030	216	1003.2	979.1	..	28.0	24.7	23.1	28.4	77	..	3.4	..	6.4	0	2	19	02	7	7	0	0	2	1	2	9	0
	2330	216	1003.9	979.7	..	26.6	24.3	23.1	28.5	82	..	3.2	..	6.3	0	0	26	01	5	9	4	0	2	4	1	4	0
PALAM AERODROME	0230	233	1003.1	976.9	..	25.0	23.4	22.5	27.6	87	..	3.3	..	10.3	0	2	25	00	4	6	7	3	3	3	1	3	0
	0530	233	1003.3	977.0	..	24.3	23.0	22.5	27.6	91	..	3.5	..	9.0	0	3	20	00	2	10	4	1	4	2	0	7	0
	0830	233	1004.6	978.5	..	26.6	24.0	22.8	28.0	81	..	4.2	..	11.7	0	2	25	01	1	8	6	1	3	5	2	3	0
	1130	233	1004.5	978.8	..	30.3	25.1	22.5	27.6	65	..	3.9	..	15.5	0	9	20	04	0	9	4	0	1	6	5	1	0
	1430	233	1002.3	976.8	..	32.1	25.0	21.4	26.0	57	..	4.1	..	16.8	0	10	20	04	2	8	4	0	2	1	9	0	0
	1730	233	1001.7	976.0	..	30.7	24.9	22.0	26.7	63	..	3.7	..	13.3	0	3	27	06	5	9	4	0	0	0	6	0	0
	2030	233	1003.3	977.3	..	27.2	24.1	22.6	27.6	77	..	3.2	..	7.4	0	2	21	01	3	9	5	2	0	2	1	7	0
	2330	233	1003.9	977.7	..	25.7	23.6	22.6	27.6	84	..	3.1	..	8.8	0	1	21	00	3	7	7	3	1	1	0	8	0
GURGAON	0830		..	..	..	27.3	24.1	22.7	27.8	77	..	4.0	..	2.6	0	0	18	01	0	8	4	1	0	4	0	11	0
	1730		..	..	..	31.7	25.1	21.8	26.6	59	..	3.6	..	3.8	0	0	22	01	2	5	0	0	0	7	7	7	0
NARNAUL	0830	308	1003.7	970.1	..	28.6	23.8	21.2	25.5	67	..	1.1	..	3.3	0	0	29	00	0	0	0	6	10	1	12	1	0
	1730	308	1000.5	966.9	..	30.7	25.1	22.3	27.1	63	..	1.3	..	3.7	0	0	30	00	0	0	0	7	9	0	14	0	0
ROHTAK	0830		..	..	..	27.1	24.0	22.5	27.6	77	..	4.3	..	11.7	0	3	26	01	2	8	5	1	5	5	1	1	1
	1730		..	..	..	30.2	25.7	23.2	28.6	68	..	3.8	..	11.6	0	3	27	07	6	5	3	0	3	2	4	0	0
PUNJAB																											
PATHANKOT	0530	312	1003.8	962.1	..	23.5	21.8	20.8	24.7	85	..	2.7	..	5.3	0	1	17	00	10	4	0	1	1	2	0	12	0
	0830	312	1005.0	970.3	+0.2	26.4	23.1	21.4	25.7	74	+ 0	3.4	-0.1	8.4	0	0	25	03	10	7	1	4	0	0	0	5	0
	1130	312	1005.1	970.8	..	30.3	24.5	21.7	26.2	61	..	3.1	..	8.6	0	1	24	05	1	0	2	13	2	1	1	5	0
	1730	312	1001.7	967.5	-0.8	31.3	25.2	22.5	27.3	60	- 3	3.2	+0.1	10.0	0	2	26	06	1	3	0	2	10	5	1	2	0
	2330	312	1004.0	969.2	..	25.5	23.3	22.3	27.0	83	..	2.2	..	6.6	0	0	20	01	8	2	2	3	2	2	0	10	0
AMRITSAR	0530	234	1003.8	977.4	..	23.7	22.8	22.4	27.2	92	..	1.7	..	6.0	0	1	21	01	5	9	3	4	0	0	0	8	0
	0830	234	1005.0	978.8	+0.3	27.3	24.4	23.1	28.4	78	+ 2	1.8	-0.1	6.7	0	1	21	02	2	5	5	7	1	0	0	8	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — SEPTEMBER, 1969 BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or bt. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
PUNJAB (CONTD)																											
AMRITSAR	1130	234	1005.0	979.2	..	32.0	25.7	22.8	28.1	60	..	1.9	..	10.3	0	2	27	02	2	5	4	3	4	6	3	1	0
	1430	234	1002.8	977.2	..	33.5	26.1	22.6	27.7	55	..	2.7	..	9.9	0	3	24	00	4	2	4	0	3	7	7	3	0
	1730	234	1001.6	975.9	-0.1	32.4	26.1	23.5	29.1	60	+ 7	2.2	-0.1	7.5	0	2	20	00	2	3	1	1	1	3	11	8	0
	2030	234	1003.1	977.0	..	27.5	24.9	23.7	29.6	81	..	1.5	..	6.1	0	1	19	02	4	6	5	1	0	0	2	10	0
ADAMPUR AERODROME	0830	249	1005.0	977.2	..	26.5	24.0	22.8	27.9	81	..	3.4	..	11.5	0	3	24	06	1	6	10	2	1	0	1	3	0
	1730	249	1002.3	974.9	..	30.6	25.6	23.3	28.7	66	..	2.7	..	14.0	[b]0	3	26	07	2	3	3	1	0	2	11	0	0
LUDHIANA	0830	247	1005.2	977.7	+0.3	27.5	24.1	22.4	27.3	75	+ 1	1.9	-1.0	2.0	0	0	19	01	3	1	11	0	1	0	2	11	0
	1730	247	1001.7	974.8	+0.4	31.6	24.9	21.6	26.0	58	+ 5	1.9	-0.4	2.9	0	0	26	00	10	0	3	0	1	0	12	4	0
FEROZEPUR	0830	200	1005.3	982.9	+1.0	27.9	25.1	23.9	29.7	80	+ 7	1.1	-0.6	1.4	0	0	16	04	3	0	1	6	1	1	0	14	0
	1730	200	1003.0	981.0	+1.8	32.8	27.4	25.0	31.9	67	+11	1.6	-0.2	1.3	0	0	16	09	3	0	0	0	0	0	4	14	0
HALWARA AERODROME	0530	242	1003.6	976.3	..	23.3	22.5	22.1	26.7	93	..	2.3	..	6.8	0	1	18	05	2	8	2	0	1	0	1	11	0
	0830	242	1004.8	977.8	..	26.8	24.2	23.0	28.2	80	..	2.4	..	12.4	0	3	24	01	5	10	2	3	2	1	3	3	0
	1130	242	1004.7	973.1	..	31.8	25.1	21.8	26.1	58	..	2.8	..	15.4	0	6	23	03	5	7	1	4	4	2	2	41	1
	1730	242	1001.8	975.2	..	31.6	24.9	21.3	25.5	57	..	2.5	..	14.9	0	4	26	04	3	7	0	1	1	9	5	0	0
	2330	242	1003.9	976.7	..	24.9	23.1	22.2	26.9	85	..	1.2	..	7.2	0	0	20	03	3	8	3	0	0	1	2	10	0
PATIALA	0830	251	1004.8	976.7	+0.2	26.4	24.3	23.3	28.7	84	+ 8	3.3	+0.2	3.3	[d]0	0	9	00	0	0	2	0	0	0	7	18	0
	1730	251	1001.7	974.2	+0.3	30.8	24.6	21.6	26.0	61	+ 3	2.5	-0.7	3.7	0	0	12	00	0	0	5	0	0	0	7	18	0
BHATINDA	0830	211	1004.3	980.7	..	29.0	24.3	22.2	27.0	68	- 8	0.9	-0.4	2.9	0	0	24	00	5	0	11	0	5	0	3	6	0
	1730	211	1001.4	978.2	..	32.6	24.9	21.0	25.2	54	- 8	0.9	-1.4	2.3	0	0	20	01	9	1	2	0	1	2	4	10	0
HIMACHAL PRADESH																											
MANDI	0830	761	(R)																								
	1730	761	972.3	920.3	+1.5	28.2	22.6	22.3	27.9	81	+ 8	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BILASPUR	0830	493	1006.1	941.2	+0.5	23.0	22.0	21.4	25.6	91	+ 4	3.2	-1.3	1.2	[b]0	0	12	02	0	2	3	1	2	0	2	17	0
	1730	493	1002.3	938.6	+0.8	28.3	23.8	21.7	26.1	69	+ 3	2.8	-1.5	2.1	[b]0	0	12	00	2	0	2	1	0	3	4	17	0
JAMMU AND KASHMIR																											
MISGAR	0830		(R)																								
	1730		(R)																								
GILGIT	0830		(R)																								
	1730		(R)																								
SKARDU	0830		(R)																								
	1730		(R)																								
LEH	0530		(R)																								
	0830		(R)																								
	1730		(R)																								
SRINAGAR	0230		(R)																								
	0530		(R)																								
	0830		(R)																								
	1130		(R)																								
	1430		(R)																								
	1730		(R)																								
	2030		(R)																								
	2330		(R)																								
SRINAGAR AERODROME	0530	1666	..	..	..	12.3	9.9	7.9	11.1	75	..	1.6	..	4.7	0	0	18	00	0	1	0	1	6	7	3	12	0
	0830	1666	..	..	..	17.9	12.9	9.2	11.9	58	..	2.2	..	4.4	0	0	19	03	2	1	2	2	2	3	4	11	0
	1130	1666	..	..	..	23.1	15.4	9.9	12.2	44	..	2.9	..	8.4	0	0	30	08	4	4	0	2	1	2	8	0	1
	1730	1666	..	..	..	25.2	15.5	8.4	11.3	37	..	4.1	..	8.3	0	0	25	06	1	0	0	2	3	6	7	5	0
	2330	1666	..	..	..	15.2	11.9	10.7	11.4	74	..	1.2	..	3.6	1	0	24	01	0	0	0	4	7	12	1	5	0
GULMARG	0830	2655	3106.5	736.9	-0.7	12.6	8.9	5.5	9.2	63	-16	1.8	-0.5	2.5	0	0	23	01	12	2	4	0	1	0	3	7	0
	1730	2655	3093.2	738.2	..	16.2	11.2	6.4	9.8	54	..	3.4	..	3.8	0	0	29	00	14	2	2	0	5	1	5	1	0
QAZIGUND	0830	1690	..	..	..	15.2	13.0	10.8	13.1	76	..	1.7	..	3.4	0	0	22	00	10	8	0	1	2	0	1	8	0
	1730	1690	..	..	..	23.6	16.3	11.6	13.7	48	..	3.4	..	9.5	0	6	19	00	1	1	0	0	4	19	0	5	0
BANIHAL	0830	1630	1479.0	834.5	..	15.5	13.6	12.4	14.6	82	..	1.5	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730	1630	1440.5	831.7	..	22.3	17.1	14.0	16.1	59	..	3.6	..	0.9	0	0	4	02	0	0	0	2	0	0	0	26	0
JAMMU	0830	366	1003.8	963.2	..	25.7	22.7	21.0	25.1	76	+ 5	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	366	1002.4	962.2	..	30.1	25.0	22.6	27.6	65	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
JAMMU AERODROME	0530	292	1004.0	971.0	..	24.3	22.1	20.9	25.0	82	..	1.6	..	3.9	0	0	15	00	12	1	0	2	0	0	0	15	0
	0830	292	1005.1	972.3	..	26.5	23.0	21.6	25.5	73	..	1.8	..	5.2	0	0	19	00	11	4	1	2	0	0	1	11	0
	1130	292	1005.1	972.8	..	31.1	24.9	22.0	26.5	59	..	2.4	..	10.2	0	2	25	00	1	1	3	9	6	5	2	3	0
	1730	292	1002.0	969.8	..	30.9	24.8	21.9	26.3	60	..	2.8	..	5.0	0	1	15	00	1	0	1	2	2	8	2	14	0
	2330	292	1004.2	971.3	..	25.5	22.9	21.6	25.9	80	..	1.6	..	3.8	0	0	11	01	5	4	1	0	0	0	0	19	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - SEPTEMBER, 1969 BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lit. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD.)																											
GULMARG (RESEARCH INSTITUTE)	0830		3119.8	740.1	..	15.3	8.3	3.0	7.8	51	..	2.0	..	1.6	0	0	16	00	0	9	0	0	0	7	0	14	0
	1130		3128.2	740.2	..	18.1	13.9	10.9	9.9	73	..	2.8	..	33.2	1	1	22	02	1	4	1	2	0	12	2	6	0
	1730		3108.5	738.7	..	19.5	10.0	4.7	8.8	51	..	3.4	..	3.3	0	0	27	00	2	6	0	0	0	17	0	3	2
RAJASTHAN, WEST																											
GANGANAGAR	0530	177	1002.9	982.9	..	24.8	22.1	20.6	24.4	78	..	1.0	..	0.6[b]	0	0	4	00	3	1	0	0	0	0	0	25	0
	0830	177	1004.2	984.4	-0.3	27.6	23.1	20.6	24.7	68	+ 1	1.1	+0.0	1.9	0	0	17	00	5	2	4	1	3	2	0	13	0
	1130	177	1004.2	984.8	..	33.3	24.6	20.1	23.8	48	..	1.3	..	2.3	0	0	21	01	7	2	1	0	7	3	0	9	0
	1730	177	1000.9	981.5	-0.1	34.5	24.8	19.3	22.9	44	+ 2	1.3	-0.3	2.4	0	0	20	01	6	6	0	0	4	3	0	10	0
	2330	177	1003.0	983.3	..	27.9	23.2	20.7	24.6	73	..	0.9	..	0.9	0	0	4	00	1	1	0	0	0	1	1	26	0
ANUPGARH	0830		(R)																								
	1730		(R)																								
CHURU	0830	291	1004.8	972.3	+0.1	27.4	23.7	21.8	26.4	73	- 2	2.1	-0.6	9.4	0	3	22	02	3	3	1	2	2	7	5	5	0
	1730	291	1000.8	969.2	+0.0	33.9	25.7	21.6	26.2	51	- 2	2.3	-1.1	9.5	0	2	27	08	4	4	1	1	1	5	5	1	0
BIKANER	0530	224	1004.7	979.7	+0.1	28.7	22.9	19.6	23.3	60	- 9	1.7	+0.7	10.6	0	3	26	01	4	0	2	4	14	3	1	1	0
	1730	224	1001.0	976.7	+0.0	36.2	23.4	15.3	18.6	32	-12	2.2	+0.4	10.5	0	2	28	04	3	1	0	3	13	3	3	0	0
BIKANER P.B.O.	0530	224	1002.8	977.7	..	26.6	22.5	19.6	23.0	68	..	1.3	..	6.9	0	1	22	03	1	1	1	1	6	9	1	7	0
	1130	224	1004.1	979.6	..	34.3	23.8	18.5	21.8	44	..	1.1	..	9.2	0	0	30	02	5	0	1	3	8	10	1	0	0
	1430	224	1001.7	977.2	..	37.1	24.0	16.5	19.5	32	..	2.5	..	8.3	0	1	29	04	3	0	0	4	7	9	3	0	0
	2030	224	1002.0	977.4	..	32.7	23.1	17.4	20.5	42	..	0.6	..	6.0	0	1	26	02	7	2	1	6	4	5	0	3	0
	2330	224	1002.8	978.0	..	30.5	22.7	18.1	21.4	52	..	0.5	..	7.2	0	0	27	01	4	4	1	5	10	2	0	3	0
NAGAUR	0830	298	1004.7	971.6	+0.7	28.4	23.8	21.4	25.9	67	- 5	2.8	-0.1	7.0	0	0	29	05	4	0	1	5	7	5	2	1	0
	1730	298	1000.4	968.0	+0.1	35.2	24.4	18.4	21.8	39	-16	3.0	-0.8	9.1	0	0	30	04	3	2	1	5	8	4	3	0	0
PHALODI	0830	234	1004.9	978.9	-0.4	27.8	22.9	20.2	24.1	64	-13	1.7	-0.3	11.2	0	4	26	01	4	2	1	2	12	7	1	0	0
	1730	234	1002.0	976.7	+0.0	37.3	24.1	16.1	19.6	31	-19	1.9	-0.7	10.3	0	3	27	03	3	0	1	2	11	9	1	0	0
JAISALMER	0830	242	1004.2	977.1	-0.3	26.7	23.4	21.5	26.0	74	- 1	0.7	-0.8	8.1	0	4	15	01	2	0	0	8	8	0	0	11	0
	1730	242	1000.0	973.9	-0.5	37.8	26.5	21.2	26.3	40	- 9	0.8	-1.3	6.2	0	2	16	02	2	0	1	7	6	0	0	12	0
JODHPUR	0230	224	1002.9	977.9	..	28.8	22.0	17.9	21.1	53	..	1.7	..	11.7	0	1	29	01	6	1	1	0	6	15	0	0	0
	0530	224	1003.4	978.3	..	27.1	21.7	18.6	22.0	60	..	2.0	..	11.6	0	1	29	01	5	2	0	1	6	14	1	0	0
	0830	224	1005.2	980.1	-0.5	27.7	22.1	19.7	25.0	66	- 8	3.4	+0.2	35.9	1	5	24	00	2	3	0	2	8	13	2	0	0
	1130	224	1004.7	980.1	..	33.4	23.6	18.1	21.2	42	..	2.8	..	20.1	0	11	19	01	3	3	0	0	9	11	3	0	0
	1430	224	1002.1	977.8	..	36.6	23.9	16.2	19.2	33	..	3.1	..	18.0	0	8	22	04	2	2	0	1	5	13	3	0	0
	1730	224	1000.4	976.4	-1.0	36.4	23.6	15.7	18.8	29	-19	3.1	-0.6	17.6	0	6	24	04	3	3	0	0	8	8	4	0	0
	2030	224	1002.2	977.9	..	32.8	22.7	16.6	19.6	40	..	2.6	..	12.5	0	1	29	04	3	2	1	0	13	7	0	0	0
	2330	224	1003.5	976.7	..	30.3	22.0	16.8	19.9	47	..	1.8	..	9.9	0	0	27	02	4	1	1	0	8	10	1	3	0
BARMER	0530	194	1002.8	981.1	..	26.9	21.5	18.5	21.4	61	..	1.2	..	6.3	0	1	28	03	2	0	0	1	14	6	3	1	0
	0830	194	1004.7	982.9	-0.7	27.6	21.5	18.3	20.7	56	-19	2.6	-0.1	5.2[b]	0	0	29	02	2	2	0	2	14	5	2	0	0
	1130	194	1004.3	983.3	..	33.7	22.7	16.2	18.7	36	..	1.9	..	5.8	0	0	30	00	4	1	0	3	17	4	1	0	0
	1730	194	1000.1	979.1	-1.4	37.1	23.7	16.0	18.4	29	-18	2.2	-0.7	5.2	0	0	28	02	4	0	0	4	13	2	3	2	0
	2330	194	1002.9	981.5	..	31.7	22.3	16.9	19.3	42	..	0.7	..	6.9	0	0	29	01	3	0	0	0	13	10	2	1	0
JAWAI BANDH	0830	295	1005.8	972.9	+0.5	27.6	23.0	20.5	24.4	66	-15	3.3	-1.3	1.9[b]	0	0	13	01	1	0	1	3	4	3	0	16	0
	1730	295	1001.8	969.7	+0.4	34.2	24.1	18.5	21.8	41	-24	5.2	+0.0	4.1	0	0	23	01	1	1	1	3	8	6	2	7	0
JALORE	0830		..	..	..	28.7	22.8	19.6	23.4	59	..	1.9	..	9.7	0	3	27	01	3	1	2	1	8	8	6	0	0
	1730		..	..	..	36.1	23.6	16.3	19.1	32	..	1.8	..	11.7	0	5	25	00	3	0	2	1	13	4	7	0	0
RAJASTHAN, EAST																											
PILANI	0830	301	1004.9	971.2	+0.2	25.7	22.5	20.6	24.8	75	+ 1	2.6	+0.7	8.0	0	0	28	02	1	6	5	1	6	6	1	2	0
	1730	301	1001.4	968.6	+0.4	32.4	24.0	19.2	23.1	51	- 9	3.4	+1.1	10.1	0	3	27	03	4	4	2	2	4	7	4	0	0
SIKAR	0830	433	1004.3	955.5	-1.8	26.7	22.2	19.4	22.9	65	-12	1.4	-1.5	0.5	0	0	5	00	0	0	0	0	1	3	1	25	0
	1730	433	1000.5	954.0	-0.2	32.5	23.8	18.7	22.3	48	-16	1.4	-2.3	0.6	0	0	8	00	0	1	0	0	0	5	2	22	0
ALWAR	0830	271	1003.9	973.7	-0.9	27.4	23.7	21.7	26.5	74	- 1	4.5	+1.0	1.4	0	0	16	02	5	1	1	2	0	3	1	14	1
	1730	271	1000.9	971.1	-0.3	30.7	25.0	22.3	27.2	64	+ 2	4.2	+0.1	1.5	0	0	18	03	3	2	2	2	0	1	5	12	0
JAIPUR (SANGANER)	0230	390	1002.8	959.2	..	25.1	22.3	20.7	24.7	77	..	3.5	..	5.5	0	0	25	02	8	3	1	0	1	6	4	5	0
	0530	390	1003.0	959.6	..	24.5	22.1	20.7	24.8	80	..	3.8	..	5.0	0	0	20	01	5	3	0	0	0	2	9	10	0
	0830	390	1004.3	961.1	-1.0	26.9	23.0	20.7	24.9	70	- 4	4.4	+1.4	9.3	0	1	26	00	5	5	0	0	2	8	7	3	0
	1130	390	1004.0	961.4	..	31.0	23.9	20.1	24.0	55	..	4.3	..	15.6	0	11	18	02	4	3	1	0	4	9	6	1	0
	1430	390	1001.2	959.0	..	33.0	24.2	19.4	23.2	48	..	4.1	..	14.3	0	6	23	02	4	3	0	0	6	9	5	0	0
	1730	390	1000.7	958.3	-0.9	31.8	23.6	18.8	22.4	50	- 7	3.5	-0.4	10.9	0	2	28	02	5	2	0	0	6	6	9	0	0
	2030	390	1003.0	959.9	..	27.5	23.0	20.6	24.6	67	..	3.5	..	4.6	0	1	19	03	4	3	0	0	1	4	5	10	0
	2330	390	1003.7	960.4	..	25.9	22.6	20.9	25.1	75	..	3.6	..	5.8[b]	0	0	23	00	7	4	1	0	1	8	2	7	0
DHOLPUR	0830	176	1004.1	984.4	+0.7	27.6	24.8	23.4	29.0	79	- 2	3.3	-0.7	1.5	0	0	11	01	0	6	0	0	0	4	0	19	0
	1730	176	1000.9	981.5	+1.0	30.9	25.8	23.6	29.2	68	+ 1	2.4	-1.9	0.8	0	0	6	00	0	5	0	0	0	1	0	24	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – SEPTEMBER,1969BHADRA 10 - ASVINA 8,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gms. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN EAST (CONTD)																											
AJMER	0830	486	1004.4	951.0	-0.5	26.9	21.8	19.0	22.6	64	- 6	3.0	-0.3	13.0	0	8	19	00	6	0	0	0	6	12	3	3	0
	1730	486	1000.3	948.2	-0.9	32.4	23.1	18.3	22.1	48	- 5	2.9	-0.5	10.3	0	0	30	01	8	0	0	0	3	11	7	0	0
TONK	0830	272	1003.6	973.3	+0.1	27.5	23.9	22.1	26.8	73	-12	3.4	-0.2	4.9	0	0	30	04	2	2	1	0	2	13	6	0	0
	1730	272	1000.0	969.8	-0.5	32.0	24.5	20.9	25.2	56	-11	3.6	-0.5	5.3	0	0	29	04	5	2	0	0	2	14	2	1	0
BHILWARA	0830		(R)																								
	1730		(R)																								
KOTA	0830	257	1004.5	975.9	-0.9	28.1	24.0	21.9	26.7	71	- 2	4.2	+0.6	6.3	0	1	20	02	1	1	0	0	1	9	7	9	0
	1730	257	1001.6	973.1	-0.6	31.8	24.6	20.9	25.2	56	- 2	4.4	+0.0	5.0	0	0	19	07	1	0	0	0	3	3	5	11	0
KOTA AERODROME	0530	274	1003.1	972.5	..	25.9	22.9	21.4	26.0	78	..	3.0	..	9.5	0	3	26	01	3	2	0	1	5	14	3	1	0
	0830	274	1004.8	974.3	..	27.9	23.8	21.0	25.4	68	..	3.7	..	15.3	0	10	19	02	3	1	0	1	5	12	5	1	0
	1130	274	1004.5	974.4	..	31.3	24.1	20.1	24.2	54	..	3.6	..	15.4	0	10	19	04	2	3	2	0	4	7	7	1	0
	1730	274	1001.2	971.3	..	32.1	23.9	19.2	23.1	51	...	4.2	..	15.3	0	8	22	06	7	1	1	0	3	6	6	0	0
	2330	274	1004.1	973.6	..	27.2	23.5	21.6	26.2	73	..	3.1	..	9.5	0	3	24	02	3	3	0	0	8	10	1	3	0
CHAMBAL (RAWAT BHATTA DAM)	0830	351	1004.9	965.8	-0.2	26.0	23.6	22.5	27.5	82	+ 1	2.9	-1.6	2.9	0	0	14	00	2	1	0	1	8	1	1	16	0
	1730	351	1001.3	962.9	-0.1	30.3	24.6	22.4	27.3	65	- 3	3.2	-1.7	5.2	0	1	24	02	4	0	0	1	5	4	9	5	0
UDAIPUR	0230	582	1004.6	940.6	..	23.7	21.3	20.1	23.8	81	..	2.7	..	1.9	0	0	10	02	0	0	0	1	4	2	1	20	0
	0530	582	1004.5	940.2	..	23.0	20.8	19.7	23.2	82	..	3.1	..	2.2	0	0	12	04	1	0	0	0	2	4	1	18	0
	0830	582	1005.7	941.8	-0.1	25.7	21.9	19.9	23.5	71	- 5	3.6	-0.3	1.9	0	0	17	00	3	0	0	1	3	3	7	13	0
	1130	582	1004.8	941.8	..	29.7	22.9	19.5	23.2	57	..	3.8	..	4.9	0	0	27	05	1	3	0	1	5	5	7	3	0
	1730	582	1002.7	939.6	+0.1	28.9	23.1	20.4	24.3	62	- 3	4.5	-0.7	3.5	0	0	25	02	1	0	0	0	10	10	2	5	0
	2330	582	1005.6	941.4	..	24.6	21.8	20.4	24.2	78	..	2.5	..	1.5	0	0	8	01	1	0	0	1	3	1	1	22	0
JHALAWAR	0830	321	1005.5	969.7	+0.0	26.4	23.6	22.2	27.0	78	- 3	3.6	+0.0	2.3	0	0	15	00	0	3	1	0	6	5	0	15	0
	1730	321	1001.2	966.3	-0.3	31.5	24.1	20.2	24.1	53	- 9	3.6	-0.3	3.5	0	0	20	02	2	0	1	0	2	9	4	10	0
BANSWARA	0830	220	1005.0	979.0	..	25.6	21.0	18.3	21.1	64	..	1.4	..	2.2	0	0	30	00	0	0	2	1	22	4	1	0	0
	1730	220	1002.2	978.0	..	30.1	23.5	20.0	23.7	56	..	1.1	..	2.0	0	0	30	00	0	0	0	0	16	11	3	0	0
DUNGARPUR	0830		(R)																								
	1730		(R)																								
BUNDI	0830		(R)																								
	1730		(R)																								
SAWAI MADHOPUR	0830		(R)																								
	1730		(R)																								
MADHYA PRADESH,WEST																											
GWALIOR	0230	207	1002.5	979.3	..	25.1	23.7	23.0	28.4	88	..	4.1	..	5.1	0	0	21	00	7	0	3	6	1	2	2	9	0
	0530	207	1002.7	979.4	..	24.6	23.3	22.6	27.8	89	..	4.5	..	4.3	0	0	19	00	5	3	2	1	5	2	1	11	0
	0830	207	1004.2	981.1	-0.6	27.4	24.6	23.3	28.9	79	+ 4	4.7	+0.7	6.9	0	0	26	02	3	3	3	2	1	9	3	4	0
	1130	207	1004.1	981.2	..	30.8	25.5	22.9	28.4	65	..	4.5	..	10.5	0	1	28	01	4	4	4	0	0	9	7	1	0
	1430	207	1001.7	979.0	..	31.5	25.4	22.5	27.7	61	..	4.7	..	11.5	0	0	30	04	5	3	2	0	1	4	11	0	0
	1730	207	1001.2	978.4	-0.4	30.5	25.4	23.0	28.3	66	+ 1	5.1	+0.6	8.0	0	0	30	08	3	5	1	1	0	4	8	0	0
	2030	207	1003.1	980.0	..	27.4	24.9	23.7	29.4	81	..	4.1	..	4.7	0	0	18	00	6	4	2	1	2	0	3	12	0
	2330	207	1003.8	980.5	..	25.7	24.1	23.3	28.9	87	..	3.8	..	5.3	0	1	20	02	5	2	1	4	4	2	1	9	0
SHEOPUR	0830	235	1003.4	977.2	-1.3	26.6	24.2	23.1	28.5	82	+ 1	3.9	-0.8	7.9	0	1	29	06	3	0	0	14	3	2	1	0	1
	1730	235	999.9	974.2	-1.1	30.9	26.2	24.1	30.2	69	+ 2	4.3	-0.3	9.7	0	1	29	10	3	0	4	0	3	4	6	0	0
SHIVPURI	0830	464	1003.9	952.6	..	25.6	23.0	21.7	26.3	80	..	4.8	..	4.7	0	0	25	01	8	0	0	0	4	11	1	5	0
	1730	464	1001.1	950.5	..	28.9	23.5	21.0	25.2	65	..	4.5	..	6.8	0	1	25	04	9	0	1	0	1	8	3	4	0
NOWGONG	0830	229	1004.7	979.1	-0.5	26.3	24.7	23.9	29.9	87	+ 5	4.9	+0.7	5.6	0	0	28	01	4	5	1	3	11	3	0	2	0
	1730	229	1001.5	976.2	-0.1	29.4	25.6	23.8	29.8	74	+ 6	5.2	+0.4	5.0	0	0	27	10	3	1	1	3	1	6	2	3	0
GUNA	0530	478	1003.7	950.4	..	22.7	21.9	21.6	26.0	94	..	4.1	..	4.1	0	0	24	03	2	2	2	1	3	11	0	6	0
	0830	478	1004.9	951.9	-0.8	25.3	23.3	22.4	27.3	82	- 4	4.4	+0.1	4.9	0	0	28	05	0	1	0	3	0	18	1	2	0
	1130	478	1004.5	952.1	..	28.7	24.1	22.0	26.7	69	..	4.4	..	8.5	0	1	29	10	1	1	1	2	2	6	7	0	0
	1430	478	1001.9	949.9	..	30.0	24.2	21.6	26.1	63	..	4.7	..	8.7	0	0	30	10	1	2	1	0	0	9	7	0	0
	1730	478	1001.2	949.1	-0.7	28.6	24.0	21.9	26.5	69	- 1	5.1	+0.5	7.4	0	1	28	11	2	1	2	0	1	7	5	1	0
	2330	478	1004.6	951.5	..	24.2	22.5	21.7	26.2	86	..	3.5	..	3.7	0	0	23	01	3	1	4	2	3	8	1	7	0
NIMACH	0830	496	1006.0	951.1	-0.4	25.1	22.4	21.1	25.2	79	- 2	4.3	-0.3	12.5	0	5	25	01	5	0	0	0	4	16	4	0	0
	1730	496	1002.7	948.7	-0.3	29.2	23.0	19.9	23.7	60	- 5	4.1	-1.0	12.3	0	4	26	01	8	1	0	0	3	14	3	0	0
RAJGARH	0830	382	1005.0	962.5	+0.2	25.2	23.3	22.3	27.2	84	+ 0	4.6	-0.3	9.2	0	2	25	02	2	1	1	1	1	11	8	3	0
	1730	382	1001.4	959.7	+0.0	30.0	23.9	20.6	24.7	60	- 7	4.6	-0.3	12.3	0	2	28	11	0	1	0	1	1	13	3	0	0
SAGAR	0830	551	1004.4	943.8	-0.5	25.8	23.2	21.6	25.8	78	- 5	5.0	+0.1	7.2	0	0	30	01	2	5	0	0	5	14	3	0	0
	1730	551	1000.4	940.4	-1.0	27.5	24.2	22.7	28.0	77	+ 4	4.5	-0.9	7.9	0	0	30	00	8	11	0	0	3	6	2	0	0
RATLAM	0830	486	1006.2	952.2	-0.2	24.2	22.4	21.6	25.8	86	- 1	5.8	-0.2	12.9	0	5	24	00	1	1	0	0	8	17	2	1	0
	1730	486	1002.9	949.7	-0.1	27.9	24.5	23.1	28.4	75	+ 8	5.5	-0.6	11.9	0	6	22	01	0	0	0	0	8	18	1	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - SEPTEMBER, 1969 BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mb. At station level	Mean pressure in mb. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mb.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, WEST (CONTD)																											
BHOPAL (BAIRAGARH)	0230	523	1003.6	945.5	..	23.0	21.5	20.7	24.6	87	..	5.3	..	9.2	0	0	27	04	2	0	1	1	6	9	4	3	0
	0530	523	1003.9	945.7	..	22.5	21.3	20.7	24.6	90	..	5.5	..	8.9	0	0	29	01	1	0	1	1	7	10	8	1	0
	0830	523	1005.4	947.5	-0.8	24.6	22.5	21.5	25.9	84	+ 1	5.8	+0.8	13.2	0	3	25	02	2	0	2	2	3	7	10	2	0
	1130	523	1004.7	947.5	..	27.8	23.6	21.6	26.2	71	..	5.7	..	15.9	0	8	22	03	1	2	1	0	5	8	10	0	0
	1430	523	1001.9	945.1	..	29.0	23.7	21.1	25.7	65	..	6.1	..	14.4	0	4	26	05	2	1	1	0	2	10	9	0	0
	1730	523	1001.6	944.6	-0.6	27.6	23.1	20.8	25.1	70	+ 4	5.7	+0.3	10.9	0	1	27	06	2	1	1	1	3	6	8	2	0
	2030	523	1004.3	946.5	..	24.9	22.2	20.7	24.9	79	..	5.3	..	8.7	0	0	29	07	2	1	2	0	7	7	3	1	0
	2330	523	1004.9	946.8	..	23.6	21.6	20.6	24.6	84	..	5.2	..	7.9	0	0	28	06	1	0	1	2	10	4	4	2	0
UJJAIN	0830	489	1006.0	951.6	..	24.0	22.2	21.4	25.6	86	..	6.2	..	10.7	0	1	26	00	0	1	1	0	0	16	9	3	0
	1730	489	1002.2	948.8	..	28.3	23.2	20.7	24.9	66	..	6.1	..	12.3	0	8	18	01	2	1	0	0	1	13	8	4	0
NARSINGHPUR	0830	356	1004.7	965.0	..	25.4	23.5	22.6	27.6	85	..	4.4	..	3.5	0	0	27	02	2	1	1	0	5	15	0	3	1
	1730	356	1001.1	961.9	..	28.4	24.3	22.5	27.0	73	..	4.8	..	1.9	0	0	28	01	5	0	2	0	12	7	1	2	0
HOSHANGABAD	0830	302	1005.7	971.8	-0.4	24.5	23.3	22.7	27.8	90	+ 5	5.5	+0.0	2.0	0	0	30	00	0	0	11	0	12	0	7	0	0
	1730	302	1002.5	969.1	+0.2	28.2	24.9	23.2	28.8	77	+ 7	5.0	-0.7	2.3	0	0	28	00	0	0	3	3	13	0	9	2	0
INDORE	0530	567	1004.5	941.4	..	21.8	20.7	20.1	23.8	91	..	5.3	..	16.3	0	6	23	02	1	1	0	1	11	10	3	1	0
	0830	567	1006.0	943.2	-0.5	23.7	21.5	20.5	24.3	85	+ 0	6.0	+0.4	17.8	0	10	19	03	1	1	0	0	7	14	3	1	0
	1130	567	1004.7	942.3	..	26.0	23.5	22.4	27.2	81	..	7.0	..	17.5	0	6	16	03	1	0	0	1	4	9	4	1	0
	1730	567	1002.3	940.4	-0.4	27.0	22.4	19.9	23.7	68	+ 1	6.2	+0.4	17.7	0	7	23	04	1	0	0	0	7	11	7	0	0
	2330	567	1005.6	942.7	..	22.9	21.2	20.3	24.1	86	..	5.1	..	12.3	0	1	27	05	0	0	0	2	11	8	2	2	0
RAJPUR (JHABUA)	0830	293	1007.2	974.3	+0.2	24.7	22.9	22.1	26.6	86	- 2	5.8	-0.1	12.4	0	8	19	00	0	0	0	1	10	16	0	3	0
	1730	293	1003.8	971.5	+0.5	29.2	23.8	20.9	25.0	63	- 6	4.5	-0.9	11.9	0	2	28	00	0	0	0	0	9	20	1	0	0
CHHINDWARA	0830	685	1004.7	929.5	-0.8	23.3	21.7	20.8	24.8	87	+ 5	5.8	+0.8	5.7	0	0	30	00	0	0	0	0	0	26	4	0	0
	1730	685	1001.0	926.9	-0.7	26.5	22.2	20.0	23.9	71	- 1	5.7	-0.1	3.5	0	0	30	03	0	0	0	0	0	27	0	0	0
SEONI	0830	619	1004.7	936.7	-0.6	24.3	22.3	21.4	25.6	84	+ 3	5.6	+0.3	6.4	0	0	26	05	3	1	0	3	10	1	3	4	0
	1730	619	1001.1	933.9	-0.7	27.2	23.1	21.0	25.3	72	+ 0	5.3	-0.8	9.1	0	1	29	13	1	0	0	5	4	4	3	0	0
BETUL	0830	653	1006.1	934.0	-0.4	23.2	21.9	21.2	25.4	89	+ 4	5.8	-0.3	3.1	0	0	29	06	2	0	2	1	3	1	14	1	0
	1730	653	1002.1	931.0	-0.3	25.8	22.6	21.0	25.2	76	+ 1	5.6	-1.0	5.1	0	0	30	09	0	0	2	1	2	7	9	0	0
KHANDWA	0830	318	1006.0	970.3	-0.5	24.7	22.8	21.9	26.4	85	+ 3	5.1	+0.0	5.9	0	0	27	00	0	0	0	2	7	13	5	3	0
	1730	318	1002.1	967.1	-0.3	29.0	24.3	21.8	26.6	68	+ 2	5.0	-0.7	6.8	0	1	28	02	1	1	0	0	8	5	12	1	0
TIKAMGARH	0830	346	1004.9	966.4	..	25.8	23.6	22.6	27.6	83	..	4.1	..	7.6	0	0	29	05	2	2	2	3	7	6	2	1	0
	1730	346	1001.4	963.3	..	28.3	24.4	22.6	27.5	72	..	4.4	..	5.3	0	0	30	09	6	1	1	1	4	5	3	0	0
SHAJAPUR	0830	446	..	..	..	24.8	22.7	21.4	25.9	83	..	5.2	..	7.6	0	0	30	07	2	2	0	2	0	10	7	0	0
	1730	446	..	..	..	28.4	23.4	20.8	24.9	66	..	4.9	..	6.3	0	2	28	11	2	2	1	0	0	8	4	0	2
KANNOD	0830	353	1007.5	967.9	..	23.7	22.6	22.0	26.5	90	..	4.9	..	4.0	0	0	21	00	0	0	1	1	1	12	6	9	0
	1730	353	1003.4	964.6	..	29.3	24.6	21.6	26.3	66	..	5.6	..	4.5	0	0	25	00	0	0	1	1	5	13	5	5	0
MADHYA PRADESH, EAST																											
SATNA	0530	317	1002.6	967.1	..	24.5	23.8	23.4	28.9	93	..	4.8	..	2.9	0	0	17	00	3	6	1	0	2	5	0	13	0
	0830	317	1004.3	969.0	-0.4	26.6	24.5	23.4	29.0	83	+ 1	4.7	+0.2	3.1	0	0	28	00	2	7	1	0	2	15	1	2	0
	1130	317	1003.8	968.7	..	28.6	25.1	23.4	29.0	75	..	4.7	..	6.7	0	1	28	01	1	5	3	0	3	13	3	1	0
	1430	317	1001.3	966.4	..	29.0	25.1	23.3	28.8	74	..	4.6	..	7.3	0	2	27	00	3	5	2	0	2	7	10	1	0
	1730	317	1001.0	966.0	-0.4	28.4	25.3	23.9	29.7	77	+ 5	5.1	-0.1	4.3	0	0	25	01	3	5	1	1	2	7	5	5	0
	2330	317	1003.6	968.2	..	25.4	24.4	23.9	29.8	92	..	4.3	..	2.5	0	1	20	01	1	6	0	1	2	9	1	9	0
REWA	0830	299	1003.9	970.7	..	27.1	24.8	23.6	29.3	82	..	5.2	..	5.1	0	0	26	01	1	5	2	2	4	7	4	4	0
	1730	299	1000.5	967.6	..	29.0	25.3	23.6	29.2	74	..	5.2	..	6.2	0	0	28	01	8	1	3	0	3	7	5	2	0
SIDHI	0830	272	1003.8	973.5	+0.5	27.3	25.1	24.1	30.1	83	+ 1	3.2	-1.6	0.9	0	0	7	00	1	0	2	1	3	0	0	23	0
	1730	272	1000.0	970.0	+0.1	28.8	25.3	23.8	29.6	75	+ 2	4.7	-0.2	0.9	0	0	9	01	0	1	3	1	0	3	0	21	0
UMARIA	0830	459	1004.6	953.8	-0.4	25.6	23.4	22.4	27.2	83	+ 2	5.5	+0.0	3.7	0	0	28	01	1	5	2	1	4	9	3	2	2
	1730	459	1001.0	950.8	-0.4	27.7	24.3	22.8	27.8	76	+ 0	5.8	-0.2	2.9	0	0	28	07	2	1	3	1	5	3	5	2	1
JABALPUR	0530	393	1003.2	959.4	..	24.0	23.3	22.9	28.0	93	..	5.5	..	2.7	0	0	15	00	4	2	1	1	5	2	0	15	0
	0830	393	1004.8	961.3	-0.4	25.9	24.1	23.2	28.5	85	+ 3	5.4	+0.0	4.5	0	0	27	01	5	0	2	2	5	11	1	2	0
	1130	393	1004.0	960.9	..	29.0	25.4	23.8	29.6	74	..	5.3	..	5.9	0	0	30	01	4	2	2	1	5	10	5	0	0
	1430	393	1001.2	958.4	..	30.3	25.9	23.9	29.9	70	..	5.5	..	6.6	0	0	29	03	2	3	1	1	3	5	11	1	0
	1730	393	1001.2	958.1	-0.1	28.0	25.2	23.9	29.7	79	+ 8	6.1	+0.2	4.5	0	0	26	04	3	1	0	1	5	3	9	4	0
	2030	393	1003.7	960.2	..	25.8	24.5	23.9	29.8	89	..	5.4	..	1.9	0	0	13	00	4	0	3	0	3	3	0	17	0
	2330	393	1004.0	960.4	..	25.1	24.0	23.5	29.0	91	..	4.9	..	1.9	0	0	12	01	2	2	1	1	3	2	0	18	0
AMBIKAPUR	0830	611	1004.5	937.7	-0.3	25.4	23.3	22.4	27.1	84	- 1	5.2	+0.8	4.2	0	0	21	03	4	2	3	2	3	1	3	9	0
	1730	611	1001.1	934.7	-0.5	26.4	23.5	22.2	26.8	78	+ 0	5.8	+1.1	4.7	0	0	27	06	2	8	1	6	0	4	0	3	0
JASHPURNAGAR	0830	779	1004.5	919.9	..	24.1	22.2	21.3	25.4	84	..	4.3	..	2.1	0	0	24	01	7	1	2	1	6	0	6	6	0
	1730	779	1000.6	916.8	..	26.0	22.8	21.4	25.5	76	..	3.4	..	1.8	0	0	23	00	7	0	3	0	7	0	6	7	0
PENDRA	0530	625	1003.2	934.4	..	22.4	21.6	21.3	25.4	93	..	5.0	..	4.5	0	1	20	05	1	1	1	7	1	1	4	9	0
	0830	625	1004.5	936.1	-0.6	24.9	23.1	22.2	26.8	85	+ 1	4.3	-0.1	7.6	0	1	29	11	2	0	4	7	2	1	3	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – SEPTEMBER, 1969 (BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gram. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Kts. per hour	No. of observations: Wind Speed (Kts. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST (CONTD.)																											
PENDRA	1130	625	1003.5	935.7	..	27.3	24.0	22.6	27.6	77	..	4.7	..	7.7	0	1	24	08	3	0	2	4	4	1	3	5	0
	1430	625	1001.0	933.4	..	27.2	24.0	22.5	27.4	77	..	4.7	..	8.5	0	2	21	08	1	0	1	7	2	0	2	7	2
	1730	625	1001.3	933.3	-0.5	25.8	23.4	22.2	26.9	82	+ 2	5.1	-1.3	4.7	0	1	20	07	1	1	1	5	2	1	3	9	0
	2330	625	1004.2	935.4	..	23.2	22.2	21.7	26.1	91	..	4.8	..	4.1	0	0	19	04	0	2	1	4	2	1	5	11	0
MANDLA	0830	443	1004.6	955.5	-0.8	24.8	23.3	22.6	27.4	88	+ 2	5.6	+0.2	3.1	0	0	11	03	1	0	0	3	1	2	1	19	0
	1730	443	1000.9	952.3	-0.9	27.2	23.9	22.3	27.2	76	+ 1	5.3	-0.5	2.9	0	1	6	02	0	0	0	2	1	0	1	23	1
CHAMPA	0830	245	1004.6	977.3	-0.6	26.7	24.7	23.8	29.5	84	+ 1	5.3	-0.8	5.2	0	0	25	02	3	5	1	3	3	3	5	5	0
	1730	245	1000.8	973.8	-1.1	29.2	26.0	24.6	31.1	77	+ 2	5.2	-1.5	5.8	0	0	22	00	2	6	1	1	5	3	4	8	0
RAIGARH	0830	220	1004.6	980.0	-0.3	27.9	24.9	23.6	29.2	78	- 5	5.4	-0.8	4.1	0	0	30	02	8	3	4	2	9	0	2	0	0
	1730	220	1000.9	976.6	-0.4	29.7	25.7	24.0	29.8	72	- 2	5.3	-1.2	2.7	0	0	28	02	9	0	3	0	9	0	5	2	0
RAJPUR	0530	298	1003.0	969.7	..	24.7	23.6	23.0	28.1	90	..	5.5	..	4.5	0	0	22	02	0	2	1	5	6	3	3	8	0
	0830	298	1004.7	971.5	-0.6	27.1	24.6	23.5	29.0	81	- 1	5.5	-0.1	5.8	0	0	28	01	4	0	1	5	6	5	6	2	0
	1130	298	1004.1	971.2	..	29.5	25.0	22.8	28.0	68	..	5.6	..	7.1	0	0	30	05	3	1	2	5	4	4	6	0	0
	1430	298	1001.1	968.4	..	30.5	25.3	22.8	28.0	65	..	5.7	..	7.2	0	0	30	05	5	2	2	2	7	5	2	0	0
	1730	298	1001.4	968.4	-0.4	28.4	24.8	23.0	28.3	74	+ 0	6.0	+0.0	5.8	0	0	27	03	2	4	1	4	7	1	5	3	0
	2030	298	1003.5	970.4	..	26.9	24.6	23.5	29.0	82	..	4.1	..	2.9	0	0	16	01	4	1	1	2	5	1	1	14	0
	2330	298	1003.9	970.7	..	25.9	24.1	23.2	28.5	85	..	4.7	..	4.9	0	0	23	01	3	1	7	2	6	5	3	7	0
KANKER	0830	402	1004.8	960.3	-1.0	25.8	23.4	22.2	26.9	81	- 1	5.2	-0.4	4.7	0	0	27	00	0	0	0	0	27	0	0	3	0
	1730	402	1001.4	957.3	-0.9	27.9	24.1	22.4	26.9	73	- 4	4.9	-1.6	5.0	0	0	25	00	0	0	0	0	24	0	1	5	0
JAGDALPUR	0530	553	1003.6	942.5	..	22.7	21.7	21.3	25.3	92	..	5.4	..	1.5	0	0	7	00	0	0	0	2	3	2	0	23	0
	0830	553	1005.0	944.3	-0.7	24.8	22.6	21.6	25.8	83	- 2	5.5	-0.5	3.5	0	0	24	02	0	0	1	2	7	7	5	6	0
	1130	553	1003.9	943.7	..	27.3	23.2	21.2	25.3	71	..	5.8	..	5.2	0	0	26	03	1	0	2	3	7	3	7	4	0
	1430	553	1001.1	941.2	..	28.4	23.3	20.9	25.0	66	..	6.2	..	5.9	0	0	27	04	1	0	1	2	5	9	5	3	0
	1730	553	1001.6	941.3	-0.6	26.6	23.0	21.4	25.5	74	- 6	6.4	-0.3	5.3	0	0	27	04	0	0	1	5	8	6	3	3	0
	2030	553	1004.2	943.4	..	24.3	22.5	21.7	25.3	86	..	5.3	..	2.7	0	0	14	01	0	0	1	5	6	1	0	16	0
	2330	553	1004.6	943.6	..	23.6	22.2	21.6	25.7	89	..	5.2	..	2.2	0	0	12	00	0	0	0	5	7	0	0	18	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																											
DEESA	0830	136	1006.6	991.2	+0.4	26.5	23.1	21.4	25.5	74	- 5	2.2	-2.0	6.2	0	0	29	00	1	1	1	4	9	3	10	1	0
	1730	136	1002.6	987.7	+0.0	35.5	23.6	16.8	19.5	35	-21	1.3	-3.0	6.1	0	0	28	01	1	0	2	2	16	1	3	1	2
RADHANPUR	0830	30	1006.1	1002.8	+0.7	27.2	23.9	22.2	26.9	75	-10	0.0	-4.1	2.2	0	0	28	00	0	0	0	0	14	5	9	2	0
	1730	30	1002.3	999.0	-0.2	35.7	24.0	17.6	20.5	37	-32	0.0	-3.5	2.7	0	0	28	00	1	0	0	0	18	7	2	1	0
IDAR	0830	219	1006.6	982.0	+0.4	25.6	22.7	21.2	25.6	77	- 8	4.0	-1.3	3.4	0	0	26	01	0	0	0	2	9	5	9	4	0
	1730	219	1003.1	978.9	+0.4	32.0	24.2	19.7	23.5	50	-15	3.6	-1.7	4.3	0	0	28	00	0	0	0	1	15	9	3	2	0
AHMADABAD	0230	55	1004.9	998.6	..	26.2	23.2	21.6	25.9	76	..	3.2	..	7.7	0	0	25	00	0	0	0	1	5	17	2	5	0
	0530	55	1004.9	998.6	..	25.3	23.0	21.9	26.3	82	..	3.3	..	7.2	0	0	23	00	0	0	0	0	5	10	8	7	0
	0830	55	1006.8	1000.5	-0.3	26.4	23.5	22.2	25.6	79	- 1	4.9	+0.3	11.9	0	1	28	01	0	0	0	0	4	8	16	1	0
	1130	55	1007.0	1000.8	..	30.2	24.6	21.9	26.3	62	..	4.1	..	12.5	0	2	28	02	0	0	0	0	5	9	14	0	0
	1430	55	1004.5	998.2	..	32.5	25.2	21.7	25.9	54	..	4.1	..	10.9	0	2	25	01	0	0	0	0	5	10	10	3	1
	1730	55	1003.4	997.2	-0.3	32.8	25.1	21.2	25.6	52	- 8	4.3	+0.0	8.4	0	1	24	01	0	1	1	5	4	9	4	5	0
	2030	55	1004.6	998.3	..	29.4	25.0	23.0	28.1	69	..	3.5	..	9.0	0	1	22	00	0	0	3	10	7	2	1	7	0
	2330	55	1005.7	999.5	..	27.3	24.3	22.8	27.9	78	..	3.3	..	8.3	0	0	25	00	0	1	0	6	12	6	0	5	0
DOHAD	0830	333	1006.4	969.2	-0.8	24.4	22.8	21.9	26.4	86	+ 1	4.9	-0.6	16.3	0	10	18	01	0	2	0	0	7	16	2	2	0
	1730	333	1003.1	966.4	-0.4	28.6	23.9	21.5	25.6	68	+ 4	4.8	+0.7	15.9	0	9	21	02	1	0	0	0	6	15	6	0	0
VALLABH VIDYANAGAR	0830	44	1006.7	1001.7	..	25.1	23.7	23.0	28.1	89	..	4.3	..	5.5	0	0	30	00	0	0	0	2	17	7	4	0	0
	1730	44	1003.3	998.5	..	31.9	26.2	23.6	28.9	63	..	3.2	..	3.9	0	0	27	01	0	0	0	1	15	6	4	3	0
BARODA AERODROME	0830	38	1007.4	1003.1	+0.1	26.4	24.1	22.9	28.3	82	- 1	4.6	-0.4	11.6	0	4	22	01	2	0	0	0	7	9	6	4	1
	1130	38	1007.2	1003.0	..	29.4	24.8	22.7	27.3	69	..	4.5	..	11.6	0	8	19	01	0	0	0	0	5	11	7	3	3
	1730	38	1003.7	999.5	+0.1	31.0	25.2	22.5	27.3	62	- 1	4.2	-0.5	10.1	0	6	20	02	0	0	0	1	9	9	4	4	1
BARODA	0530	34	1005.4	1001.4	..	25.0	23.7	23.0	28.1	89	..	3.0	..	2.9	0	0	21	00	0	0	0	0	15	4	2	9	0
	0830	34	1007.3	1003.4	-0.3	26.2	24.1	23.1	28.3	83	- 4	4.5	-0.1	3.6	0	0	23	01	1	0	0	0	11	6	4	7	0
	1130	34	1007.5	1003.6	..	29.7	25.1	23.0	28.1	69	..	4.1	..	5.1	0	0	28	03	2	0	0	0	13	6	4	2	0
	1730	34	1003.7	999.8	-0.2	31.8	25.7	22.8	27.9	61	- 6	3.6	-0.6	4.1	0	0	24	00	0	0	0	0	12	4	8	6	0
	2330	34	1006.3	1002.3	..	26.7	24.6	23.6	29.3	83	..	3.6	..	5.1	0	0	25	00	0	0	0	0	19	5	1	5	0
BROACH	0830	17	..	..	..	26.1	24.8	24.2	30.4	90	+ 4	5.6	+1.2	9.9	0	2	28	00	1	0	1	0	21	4	3	0	0
	1730	17	..	..	..	30.6	26.8	25.3	32.1	74	+11	5.4	+1.0	17.9	0	16	14	00	1	0	2	0	19	5	3	0	0
SURAT	0530	12	1005.9	1004.6	..	25.5	24.6	24.2	30.0	92	..	4.1	..	5.6	0	1	19	00	0	0	0	0	1	16	1	2	10
	0830	12	1007.9	1006.6	+0.0	26.4	24.9	24.2	30.4	88	+ 3	5.6	-0.2	6.7	0	0	30	00	3	0	2	0	14	1	10	0	0
	1130	12	1008.0	1006.7	..	29.4	25.6	24.2	29.7	75	..	5.1	..	9.9	0	0	30	02	2	0	0	1	10	10	5	0	0
	1730	12	1004.9	1003.6	+0.1	29.4	26.1	24.7	31.1	77	+ 5	4.1	-0.9	10.1	0	2	28	00	0	0	0	0	2	22	1	5	0
	2330	12	1007.0	1005.7	..	26.7	25.6	25.1	31.9	91	..	4.0	..	11.0	0	2	27	00	0	0	1	3	18	6	1	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - SEPTEMBER, 1969 BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb.			Mean temperature in °C			Vapour pressure in mb.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lst. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SAURASHTRA AND KUTCH																											
NALIYA	0830	21	1006.6	1004.2	+1.5	26.8	24.1	22.8	27.9	79	- 8	3.6	-1.1	15.1	0	9	21	00	0	0	0	1	21	7	1	0	0
	1730	21	1004.4	1002.0	+1.4	29.7	24.6	22.2	27.3	64	-11	4.1	-1.0	14.9	0	7	23	00	0	0	0	0	23	6	1	0	0
BHUJ (RUDRAMATA	0230	80	1005.0	995.9	..	25.6	23.9	23.1	28.3	86	..	1.2	..	14.3	0	7	20	00	0	0	0	0	13	14	0	5	0
	0530	80	1005.0	995.9	..	25.1	23.6	22.9	26.1	87	..	1.9	.	10.1	0	4	19	00	0	0	0	0	8	15	0	7	0
	0830	80	1006.5	997.4	-0.4	26.5	24.1	22.9	27.7	81	+ 4	3.1	-0.3	14.5	0	8	16	00	0	0	0	0	7	14	3	5	0
	1130	80	1006.5	997.5	..	31.9	25.1	21.8	25.6	56	..	2.3	..	19.5	0	14	15	00	0	0	0	1	9	18	1	1	0
	1430	80	1004.1	995.2	..	34.8	25.4	20.7	25.0	45	..	2.7	..	23.2	0	19	11	01	0	0	0	0	10	15	4	0	0
	1730	80	1003.1	994.2	-0.5	33.2	25.0	20.8	25.0	50	- 4	2.4	-1.5	25.3	0	25	5	01	0	0	0	0	12	16	1	0	0
	2030	80	1005.0	996.0	..	28.2	24.2	22.1	26.9	71	..	0.8	..	24.1	0	22	8	00	0	0	0	0	11	19	0	0	0
	2330	80	1006.1	997.0	..	26.4	24.0	22.9	22.9	81	..	1.3	..	16.5	0	6	24	00	0	0	0	0	14	15	1	0	0
KANDLA AERODROME	0830	35	1007.2	1003.2	..	27.3	23.6	21.8	25.9	72	..	2.5	..	23.9	0	20	10	00	0	0	0	0	15	13	2	0	0
	1130	35	1007.0	1003.1	..	32.8	23.9	19.3	22.4	45	..	2.4	..	25.2	0	22	8	01	0	0	0	0	19	7	3	0	0
	1730	35	1003.3	999.5	..	34.3	23.7	17.8	20.6	38	..	2.5	..	34.6	0	29	1	00	0	0	0	1	23	6	3	0	0
NEW KANDLA	0830	14	1007.4	1005.8	+1.1	26.9	23.9	22.5	27.3	76	- 5	3.4	-1.0	18.5	0	15	15	00	0	0	0	0	9	15	6	0	0
	1730	14	1004.1	1002.5	+0.7	31.7	24.9	21.6	25.9	56	- 8	2.9	-1.4	37.9	0	28	2	01	0	0	0	8	17	3	1	0	0
MANDVI	0830	9	1007.3	1006.2	+1.1	27.2	25.7	25.0	33.8	88	+ 1	4.7	+0.0	29.9	0	24	6	01	0	0	0	0	7	19	3	0	0
	1730	9	1005.0	1003.9	+1.2	28.7	26.3	25.3	32.2	82	+ 0	4.3	+0.0	36.7	0	30	0	00	0	0	0	0	10	19	1	0	0
SURENDRANAGAR	0830	74	1007.0	998.6	+0.6	27.1	24.2	22.9	27.9	78	- 6	4.6	+0.3	17.1	f 0	9	16	02	0	0	0	0	3	14	6	0	0
	1730	74	1003.2	995.2	+0.6	34.0	24.7	19.8	23.8	45	-13	4.3	-0.9	11.6	b 0	6	21	01	0	0	1	0	3	19	3	2	0
OKHA	0530	7	1006.2	1005.4	..	26.0	25.0	24.5	30.9	92	..	2.2	..	20.6	0	14	16	00	0	0	0	0	11	14	5	0	0
	0830	7	1007.8	1007.0	..	26.8	25.5	24.9	31.5	89	..	4.0	..	22.1	0	19	11	00	0	0	0	0	9	15	6	0	0
	1130	7	1008.5	1007.7	..	26.6	26.2	25.2	32.1	82	..	3.5	..	20.7	0	19	11	00	0	0	0	0	10	14	6	0	0
	1730	7	1005.8	1005.0	..	28.2	26.4	25.6	33.0	86	..	3.9	..	23.3	0	19	11	00	0	0	0	0	6	20	4	0	0
	2330	7	1007.6	1006.8	..	26.2	25.2	24.8	21.3	92	..	1.8	..	18.5	0	11	19	00	0	0	0	0	16	12	2	0	0
JAMNAGAR AERODROME	0530	20	1005.6	1003.5	..	24.0	22.7	22.1	26.6	89	..	2.8	..	12.3	0	4	26	01	0	0	0	0	14	12	3	0	0
	0830	20	1007.2	1004.8	+0.0	26.5	24.0	22.8	27.9	80	- 1	3.7	-0.7	14.3	0	5	25	00	0	0	0	0	12	14	4	0	0
	1130	20	1007.5	1005.4	..	30.0	24.6	21.9	26.4	62	..	3.3	..	25.5	0	22	8	01	0	0	0	0	0	20	9	0	0
	1730	20	1004.5	1002.3	+0.8	29.2	24.5	22.2	27.9	67	- 1	2.6	-1.6	30.8	0	28	2	00	0	0	0	0	0	16	14	0	0
	2330	20	1007.0	1004.8	..	25.8	23.5	22.5	28.1	82	..	2.1	..	16.6	0	7	23	05	0	0	0	0	3	15	7	0	0
DWARKA	0830	11	1006.8	1005.5	-0.7	26.4	25.1	24.4	30.7	89	+ 5	4.9	+0.2	16.2	0	10	19	01	0	0	0	1	6	15	6	1	0
	1730	11	1004.6	1003.3	-0.5	27.9	26.1	25.2	32.2	85	+ 7	4.2	+0.2	19.4	0	11	19	00	0	0	0	0	6	19	5	0	0
RAJKOT	0530	138	1005.7	990.3	..	[illegible].7	22.0	21.1	25.0	86	..	2.2	..	14.5	0	8	21	00	0	0	0	1	16	10	2	1	0
	0830	138	1007.3	991.8	+0.0	25.8	23.7	22.7	27.6	83	- 2	2.4	-1.8	22.9	0	21	9	00	0	0	0	0	9	16	5	0	0
	1130	138	1007.1	991.6	..	30.7	24.0	20.8	24.3	56	..	1.7	..	24.1	0	24	5	01	0	0	0	0	6	12	10	1	0
	1430	138	1004.3	989.3	..	33.9	24.1	18.9	21.3	42	..	2.3	..	22.3	0	19	10	00	0	0	0	0	6	14	8	1	1
	1730	138	1003.5	988.5	+0.1	32.4	24.1	19.7	23.2	48	- 9	2.8	-2.3	29.9	0	26	4	00	0	0	0	0	5	12	13	0	0
BHAVNAGAR AERODROME	0830	11	1007.7	1006.5	-0.1	26.4	23.7	22.4	27.1	79	+ 5	4.9	+0.3	17.9	0	11	18	01	0	0	0	0	6	17	5	1	0
	1130	11	1007.8	1006.6	..	30.1	24.7	22.1	26.6	63	..	4.3	..	18.8	0	18	12	01	2	1	1	0	4	12	9	0	0
	1730	11	1004.0	1002.8	-0.3	31.6	25.3	22.3	27.1	60	- 3	4.1	-1.3	23.3	0	25	5	00	0	1	9	9	6	4	1	0	0
PORBANDER AERODROME	0830	7	1007.9	1007.1	+1.0	27.2	24.5	23.3	28.6	79	-10	3.4	-1.2	15.2	0	7	21	00	1	0	0	0	7	17	3	2	0
	1130	7	1008.3	1007.5	..	29.6	25.0	22.8	27.6	67	..	3.5	..	22.8	0	21	9	00	0	0	0	0	11	19	0	0	0
	1730	7	1005.7	1004.9	+0.9	28.8	24.9	23.2	28.3	72	- 8	3.2	-2.0	23.9	0	27	3	00	0	0	0	0	12	18	0	0	0
KESHOD	0830	51	1008.0	1002.2	+0.8	26.4	24.2	23.1	26.4	82	- 5	4.0	-0.3	13.3	0	8	22	01	3	0	0	0	1	20	5	0	0
	1130	51	1008.2	1002.5	..	30.1	24.3	21.5	25.7	60	..	4.1	..	19.7	0	19	11	01	1	0	0	0	1	24	3	0	0
	1730	51	1005.4	999.6	+0.6	29.8	24.2	21.5	25.6	61	- 8	3.5	-0.7	25.3	0	27	3	00	0	0	0	0	2	27	1	0	0
MAHUVA	0830	9	1007.2	1006.2	..	25.3	24.0	23.2	28.4	88	..	4.8	..	2.9	0	0	23	01	0	0	0	0	5	5	12	7	0
	1730	9	1004.9	1003.9	..	29.5	26.4	25.1	32.6	78	..	5.5	..	7.5	0	0	30	01	0	0	0	0	3	16	3	2	0
VERAVAL	0230	8	1006.4	1005.5	..	25.7	24.0	23.2	28.6	86	..	2.5	..	17.5	0	16	14	03	0	0	0	0	0	16	11	0	0
	0530	8	1006.2	1005.3	..	25.2	23.6	22.8	27.7	87	..	2.7	..	16.3	0	15	11	05	1	0	0	0	1	12	7	4	0
	0830	8	1008.0	1007.1	-0.1	26.2	24.3	23.4	28.9	85	- 1	4.9	+0.2	15.1	0	10	16	04	0	0	0	0	0	10	12	4	0
	1130	8	1008.6	1007.7	..	28.7	25.1	23.5	28.9	74	..	4.5	..	19.5	0	18	9	00	0	0	0	0	0	16	11	3	0
	1430	8	1006.6	1005.7	..	29.3	25.3	23.6	28.9	72	..	4.3	..	22.2	d 0	19	11	00	0	0	0	0	0	20	10	0	0
	1730	8	1006.1	1005.2	+0.7	28.0	25.0	23.6	29.3	77	- 7	4.0	+0.0	23.0	0	18	9	00	0	0	0	0	0	19	8	0	0
	2030	8	1007.1	1006.2	..	26.6	24.5	23.6	28.9	84	..	3.1	..	19.7	0	15	15	00	0	0	0	0	0	18	12	0	0
	2330	8	1007.8	1006.9	..	26.1	24.3	23.4	28.9	85	..	2.5	..	18.5	0	16	13	01	0	0	0	0	0	15	13	1	0
DIU	0830		1008.4	1006.7	..	26.5	24.3	23.2	28.6	83	..	5.2	..	6.0	0	1	24	03	0	0	0	0	2	19	1	5	0
	1730		1006.3	1004.6	..	28.2	24.8	23.2	28.8	75	..	3.5	..	16.0	0	8	22	00	0	0	0	0	14	15	1	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - SEPTEMBER,1969BHADRA 10 - ASVINA 8,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VIDARBHA (CONTD)																											
NAGPUR (SONEGAON)	0230	310	1003.2	968.4	..	23.8	22.7	22.1	26.8	90	..	5.0	..	5.6	0	1	26	02	0	0	0	1	4	6	14	3	0
	0530	310	1003.3	968.5	..	23.5	22.4	21.9	26.4	91	..	5.2	..	5.8	0	1	25	02	0	0	0	1	5	5	13	4	0
	0830	310	1005.0	970.4	-0.8	25.8	23.5	22.5	27.4	83	+ 2	5.7	+0.0	9.1	0	1	29	05	0	0	0	1	4	8	12	0	0
	1130	310	1004.3	970.1	..	28.9	24.6	22.5	27.5	70	..	5.9	..	11.4	0	1	29	07	0	1	0	0	4	6	12	0	0
	1430	310	1001.6	967.6	..	29.8	24.6	21.9	26.7	66	..	6.3	..	9.7	0	2	24	03	3	0	0	1	2	6	11	4	0
	1730	310	1001.3	967.2	-0.6	28.6	24.4	22.2	27.1	70	+ 0	6.2	-0.2	8.3	0	2	26	08	0	0	1	1	4	5	9	2	0
	2030	310	1004.0	969.4	..	25.7	23.3	22.2	27.0	82	..	5.7	..	6.4	0	1	24	05	0	1	0	0	4	5	10	5	0
	2330	310	1004.4	969.6	..	24.4	22.8	22.0	26.7	87	..	5.0	..	5.4	0	0	25	03	0	0	0	2	6	5	9	5	0
AMRAOTI	0830	370	1005.5	964.2	-0.9	24.5	22.6	21.6	26.0	85	+ 4	4.7	-0.7	3.8	0	0	28	00	0	0	0	0	9	14	5	2	0
	1730	370	1001.9	961.3	-0.3	28.4	23.4	20.7	25.0	67	+ 1	5.5	-0.9	5.5	0	0	29	07	1	0	0	0	6	7	8	1	0
AKOLA AERODROME	0530	309	1004.2	969.3	..	22.5	21.5	20.9	24.9	90	..	5.3	..	8.0	0	0	30	00	0	0	0	0	9	19	2	0	0
	0830	309	1005.7	971.0	..	24.4	22.5	21.6	25.8	84	..	5.6	..	9.7	0	0	30	00	0	0	0	0	2	24	4	0	0
	1130	309	1005.2	970.9	..	28.2	23.9	21.7	26.3	70	..	6.0	..	12.2	0	2	28	00	0	0	0	0	3	19	8	0	0
	1430	309	1002.4	968.4	..	30.1	24.4	21.4	26.2	63	..	6.3	..	11.8	0	2	28	01	0	0	0	0	1	23	5	0	0
	1730	309	1001.8	967.7	..	29.1	24.1	21.4	26.0	66	..	6.3	..	10.9	0	1	29	00	0	0	0	1	3	20	6	0	0
	2030	309	1004.1	969.6	..	25.9	23.0	21.4	25.7	78	..	5.5	..	8.3	0	0	30	00	0	3	0	3	1	18	5	0	0
	2330	309	1004.9	970.3	..	24.5	22.3	21.2	25.2	83	..	5.0	..	8.6	0	0	28	00	0	0	0	5	2	19	2	2	0
AKOLA	0830	282	1006.0	974.3	-0.6	24.5	22.8	21.9	26.4	86	+ 5	4.8	-0.1	8.3	0	0	29	00	0	0	0	0	12	1	16	1	0
	1730	282	1002.3	971.3	-0.1	29.6	23.4	20.2	23.8	59	- 5	5.3	+0.0	12.7	0	0	30	00	0	0	0	0	12	0	18	0	0
BRAMHAPURI	0830	229	1005.3	979.0	-0.5	26.2	24.3	23.3	28.8	84	- 2	5.4	-0.3	4.6	0	0	29	10	1	0	0	3	6	7	2	1	0
	1730	229	1001.8	976.4	-0.5	28.8	25.0	23.2	28.5	73	- 1	5.8	-0.3	4.0	0	0	27	10	1	1	0	2	4	3	6	3	0
BULDANA	0830	650	1006.6	934.4	-0.6	22.9	20.8	19.6	23.0	83	- 3	5.0	-0.7	11.5	0	4	26	02	0	0	0	0	4	0	24	0	0
	1730	650	1002.7	932.1	+0.0	26.5	22.2	20.1	23.8	70	+ 1	5.6	-0.3	7.9	0	0	29	01	3	0	0	0	3	0	22	1	0
YEOTMAL	0830	451	1005.6	955.4	-0.6	24.1	22.0	20.8	24.7	82	- 2	5.1	-0.3	14.6	0	6	24	04	0	0	0	0	4	12	10	0	0
	1730	451	1001.6	952.2	-0.7	28.0	23.7	21.5	26.0	70	- 2	5.5	-0.6	9.7	0	3	27	04	0	0	0	0	1	11	14	0	0
CHANDRAPUR	0830	193	1005.3	983.6	-0.9	25.4	23.5	22.5	27.5	85	+ 2	5.6	+0.2	11.0	0	4	26	01	0	0	0	1	3	12	13	0	0
	1730	193	1001.5	980.7	-0.3	28.9	24.9	23.1	28.4	72	- 2	5.3	-0.8	8.9	0	1	27	04	4	2	0	2	3	6	7	2	0
PUSAD	0830	334	1006.7	969.3	..	24.7	22.5	21.4	25.6	82	..	4.5	..	9.1	0	0	30	01	0	0	0	0	10	0	19	0	0
	1730	334	1002.6	966.1	..	29.5	24.4	22.0	27.0	67	..	4.8	..	6.9	0	0	30	00	1	0	0	1	9	1	18	0	0
SIRONCHA	0830	123	1006.1	992.2	-0.5	26.7	24.2	23.1	28.3	81	- 4	4.4	-1.3	1.5	0	0	20	02	0	0	1	1	5	9	2	10	0
	1730	123	1002.1	988.4	-0.8	29.4	25.1	23.1	28.4	71	- 3	4.9	-1.4	2.2	0	0	24	06	2	1	0	2	4	6	3	6	0
WARDHA	0830	283	1005.7	973.9	..	25.3	23.2	22.2	26.9	83	..	4.9	..	3.5	0	0	30	04	0	0	0	1	9	11	5	0	0
	1730	283	1002.1	970.8	..	28.7	24.5	22.4	27.3	70	..	5.0	..	3.1	0	0	30	06	1	0	1	1	6	8	7	0	0
BHANDARA	0830	266	1004.6	974.9	..	26.2	24.4	23.5	29.1	86	..	.	..	4.9	0	0	30	01	10	3	1	2	5	4	2	0	2
	1730	266	1000.7	971.3	..	28.5	25.7	24.3	30.8	80	..	.	..	5.2	0	1	29	01	10	1	1	1	10	5	1	0	0
COASTAL ANDHRA PRADESH																											
KALINGAPATAM	0830	6	1004.7	1004.0	-0.8	28.8	26.5	25.5	32.6	83	- 1	3.9	-1.9	7.8	0	0	24	00	0	1	0	6	6	4	0	6	7
	1730	6	1001.6	1001.0	-0.9	29.3	26.8	25.8	33.2	82	+ 2	4.9	-1.6	10.5	0	1	27	01	1	1	2	12	10	0	0	1	1
VISHAKHAPATNAM	0230	3	1003.0	1002.6	..	26.7	25.4	24.8	31.4	90	..	4.3	..	3.1	0	0	12	00	0	0	0	0	4	5	3	18	0
	0530	3	1003.3	1002.9	..	26.4	25.1	24.6	30.9	90	..	5.5	..	3.3	0	1	10	00	0	1	0	0	4	5	1	19	0
	0830	3	1005.0	1004.6	-0.8	28.6	25.8	24.6	30.9	79	- 2	5.5	-0.3	5.9	0	1	19	01	0	0	0	0	6	9	4	10	0
	1130	3	1004.4	1004.0	..	31.5	26.4	24.2	30.4	67	..	5.9	..	10.6	0	5	23	01	1	2	3	0	10	5	4	2	2
	1430	3	1001.9	1001.5	..	31.8	27.1	25.1	32.0	69	..	6.1	..	14.4	0	8	20	00	0	3	4	6	12	1	2	2	0
	1730	3	1002.2	1001.8	-0.5	29.5	26.5	25.2	32.2	79	- 5	6.3	-0.1	12.1	0	2	26	00	0	0	2	5	17	3	1	2	0
	2030	3	1004.4	1004.0	..	28.0	26.0	25.1	32.1	85	..	5.3	..	5.4	0	1	17	01	1	0	1	0	8	6	1	12	0
	2330	3	1004.5	1004.1	..	27.5	25.6	24.8	31.5	86	..	5.0	..	3.8	0	1	14	01	0	0	0	0	6	3	5	15	0
KAKINADA	0830	8	1005.5	1004.6	-0.9	28.7	25.9	24.7	31.2	79	- 1	4.6	-0.8	10.7	0	1	28	00	0	0	0	0	28	0	1	1	0
	1730	8	1002.7	1002.0	-0.1	29.9	26.2	24.5	30.9	74	- 2	5.2	-0.3	10.5	0	0	30	00	0	0	5	0	24	0	1	0	0
NIDADAVOLE	0830	12	1005.7	1004.3	-0.5	27.3	25.4	24.6	30.9	85	- 1	5.7	-0.8	7.9	0	2	28	03	2	0	0	0	5	14	6	0	0
	1730	12	1003.0	1001.6	+0.3	29.6	25.9	24.3	30.4	74	- 4	6.6	-0.1	8.2	0	1	29	01	0	1	1	4	14	4	5	0	0
RENTACHINTALA	0830	106	1006.6	994.9	+0.1	27.3	23.7	21.8	26.2	72	- 2	4.2	-1.7	1.4	0	0	21	00	0	0	0	0	4	15	2	9	0
	1730	106	1002.9	991.1	+0.2	30.5	23.7	19.9	23.8	57	- 4	5.0	-1.8	1.4	0	0	21	05	0	0	0	1	0	15	0	9	0
GANNAVARAM	0230	24	1004.2	1001.5	..	25.9	24.5	23.9	29.8	89	..	5.0	..	4.1	0	2	12	01	0	1	0	0	7	5	0	16	0
	0530	24	1004.4	1001.7	..	25.5	24.3	23.7	29.4	90	..	4.7	..	6.0	0	2	17	00	0	0	0	1	13	5	0	11	0
	0830	24	1006.1	1003.4	-0.4	27.8	24.9	23.6	29.2	78	- 3	5.0	-0.7	9.8	0	1	25	00	0	0	0	0	12	8	6	4	0
	1130	24	1005.5	1002.8	..	30.8	25.6	23.2	28.5	65	..	5.0	..	14.8	0	7	23	05	2	0	0	1	7	13	2	0	0
	1430	24	1002.9	1000.2	..	31.5	25.4	22.8	27.9	62	..	5.5	..	15.5	0	7	23	04	0	0	1	0	6	11	8	0	0
	1730	24	1003.1	1000.4	+0.3	29.8	25.4	23.2	28.7	70	- 1	5.7	-0.7	11.3	0	4	24	03	0	0	1	0	9	12	3	2	0
	2030	24	1005.2	1002.5	..	27.7	25.1	23.9	29.8	80	..	5.1	..	6.5	0	3	16	02	0	0	0	1	8	6	2	11	0
	2330	24	1005.4	1002.7	..	26.5	24.8	24.0	30.0	87	..	4.9	..	5.0	0	0	18	00	2	0	0	0	10	5	1	12	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — SEPTEMBER, 1969 BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL ANDHRA PRADESH																											
MASULIPATAM	0830	3	1006.1	1005.8	-0.6	27.9	25.2	23.9	30.0	80	- 2	4.7	-0.8	3.9	0	0	29	00	0	0	0	2	15	3	8	1	1
	1730	3	1002.8	1002.5	-0.4	30.2	25.8	23.6	29.2	68	- 5	5.6	+0.0	3.9	0	0	29	03	0	2	0	1	7	9	5	1	2
ONGOLE	0830	12	1006.8	1005.4	-0.1	29.4	24.8	22.6	27.5	68	- 7	2.9	-2.5	5.9	0	0	29	03	0	1	0	1	2	20	2	0	0
	1730	12	1003.1	1001.8	+0.1	32.2	25.2	21.8	26.2	55	-13	3.7	-2.1	6.1	0	0	29	00	2	7	0	0	2	14	4	1	0
NELLORE	0530	20	1005.3	1003.1	..	26.9	24.3	23.0	28.2	79	..	3.6	..	5.2	0	1	12	00	0	0	1	0	7	5	0	17	0
	0830	20	1007.3	1005.1	-0.1	29.2	24.7	22.7	27.6	69	+ 0	3.7	-1.7	8.7	0	0	30	00	0	0	9	0	19	1	1	0	0
	1130	20	1006.6	1004.4	..	32.5	25.6	22.1	27.1	56	..	4.1	..	13.4	0	5	23	01	0	0	3	0	11	9	3	2	1
	1430	20	1004.0	1001.8	..	34.0	26.2	22.6	27.7	53	..	4.6	..	13.7	0	5	25	00	3	2	3	0	9	8	4	0	1
	1730	20	1003.9	1001.7	+0.6	32.4	25.9	22.9	28.1	58	- 2	5.5	+0.0	9.5	0	1	28	00	1	1	4	0	15	3	5	1	0
	2330	20	1006.3	1004.1	..	28.3	25.4	24.0	30.0	77	..	3.6	..	8.0	0	3	15	01	0	1	2	3	9	2	0	12	0
VISHAKHAPATNAM (SOLAR)	0830		(R)																								
TELANGANA																											
RAMGUNDAM	0830	156	1005.7	988.1	-0.5	26.1	23.9	22.9	27.8	82	+ 2	4.3	-1.5	1.8	0	0	25	01	0	0	0	1	2	13	8	5	0
	1730	156	1002.2	984.9	-0.2	30.1	24.7	22.1	26.9	65	- 2	4.1	-1.9	2.0	0	0	20	06	0	0	0	0	2	10	2	10	0
NIZAMABAD	0830	381	1006.6	964.0	-0 ..	..	..	..	..	.	..	4.9	-0.2	0.9	0	0	7	00	0	0	0	0	7	0	0	23	0
	1730	381	1002.4	960.6	-0 ?..	..	..	..	..	.	..	5.3	-0.2	0.8	0	0	7	00	1	0	0	0	5	1	0	23	0
HANAMKONDA	0830	269	1006.0	976.0	-0.7	25.7	23.1	21.8	26.2	80	+ 1	3.9	-1.2	2.0	0	0	27	03	0	0	0	1	4	8	11	3	0
	1730	269	1003.4	973.7	+0.2	29.0	24.0	21.5	25.9	66	- 2	3.8	-2.0	2.0	0	0	30	09	2	0	1	3	6	3	6	0	0
HAKIMPET AERODROME	0530	613	1005.5	937.6	..	21.5	20.3	19.6	22.9	90	..	5.3	..	22.8	0	14	15	03	1	0	0	0	0	16	9	1	0
	0830	613	1006.3	939.7	..	23.6	21.4	20.3	24.0	83	..	5.5	..	25.2	0	18	12	04	1	0	0	0	0	10	15	0	0
	1130	613	1005.5	938.7	..	26.8	22.5	20.3	24.1	71	..	5.5	..	29.2	0	22	8	06	4	0	0	0	0	6	14	0	0
	1730	613	1003.5	936.7	..	26.0	21.9	19.7	23.3	71	..	5.5	..	24.3	0	13	17	06	2	0	0	0	0	12	10	0	0
	2330	613	1006.0	938.4	..	23.1	21.2	20.3	24.0	85	..	5.0	..	16.9	0	10	17	05	1	0	0	0	1	12	8	3	0
BHADRACHALLAM	0830	111	1005.6	993.1	-0.9	26.3	24.6	23.8	29.6	87	+ 3	4.6	-1.6	3.2	0	0	28	00	16	0	0	0	7	0	5	2	0
	1730	111	1002.0	989.7	-0.5	29.5	25.5	23.7	29.4	73	- 1	6.1	-0.7	3.5	0	0	30	01	15	0	0	0	8	0	6	0	0
HYDERABAD (BEGAMPET)	0230	545	1005.0	944.5	..	22.2	20.8	20.1	23.6	88	..	4.6	..	10.1	0	7	9	02	0	0	0	0	0	10	4	14	0
	0530	545	1005.3	944.7	..	21.6	20.3	19.6	22.8	89	..	4.8	..	11.3	0	8	14	02	0	0	0	0	0	11	9	8	0
	0830	545	1006.9	946.6	-0.4	23.4	21.1	20.0	23.5	82	+ 0	5.3	-0.4	14.3	0	10	15	02	0	0	0	0	0	8	15	5	0
	1130	545	1005.9	946.4	..	27.0	22.1	19.6	23.1	66	..	5.2	..	15.3	0	10	20	05	6	0	0	0	0	8	11	0	0
	1730	545	1002.9	943.5	+0.1	27.1	22.0	19.3	22.8	65	- 6	5.9	-0.5	13.7	0	8	22	08	2	0	0	0	0	10	10	0	0
	2330	545	1006.2	945.8	..	23.1	21.3	20.4	24.1	85	..	4.8	..	9.6	0	3	18	03	1	0	0	0	1	11	5	9	0
KHAMMAM	0830	112	1006.1	993.5	-0.7	27.0	24.6	23.5	29.0	81	+ 0	4.5	-1.1	4.9	0	0	26	02	0	0	0	0	4	12	8	4	0
	1730	112	1002.5	990.4	+0.1	30.0	25.3	23.1	28.5	69	+ 0	5.4	-1.1	2.2	0	0	17	04	1	0	0	1	1	7	3	11	0
MAHBUBNAGAR	0830	505	1007.1	951.1	-0.4	24.8	21.6	20.0	23.5	77	- 4	4.9	-1.1	7.1	0	0	26	00	0	0	0	0	5	10	11	4	0
	1730	505	1002.9	947.8	-0.1	28.3	22.7	20.0	23.6	63	- 3	5.4	-1.3	4.9	0	0	27	03	2	0	0	0	4	10	8	3	0
RAYALASEEMA																											
KURNOOL	0830	281	1008.3	976.8	+0.2	25.8	22.1	20.1	23.6	72	- 4	4.5	-1.5	14.1	0	8	22	00	0	0	0	0	22	0	8	0	0
	1730	281	1003.5	972.6	+0.3	30.2	22.7	18.5	21.6	52	- 5	5.2	-1.2	9.6	0	4	26	00	5	0	1	0	10	0	12	0	2
NANDYAL	0830	212	1006.8	982.9	..	25.8	22.8	21.2	25.3	77	..	5.1	..	4.5	0	1	15	01	0	0	0	2	1	1	11	14	0
	1730	212	1003.6	980.2	..	30.3	23.7	20.1	23.9	57	..	4.8	..	12.3	0	6	21	08	2	3	1	0	0	9	4	3	0
ANANTAPUR	0530	350	1006.7	967.4	..	23.7	21.0	19.5	22.8	78	..	5.2	..	9.9	0	4	17	00	0	0	0	0	1	19	1	9	0
	0830	350	1008.3	969.2	+0.1	25.6	21.8	19.8	23.1	71	- 3	4.5	-1.2	14.5	0	7	19	01	0	0	0	0	2	23	0	4	0
	1130	350	1007.0	968.5	..	29.8	22.4	18.2	21.0	51	..	5.4	..	19.3	0	16	14	02	2	1	0	0	1	17	7	0	0
	1430	350	1003.6	965.6	..	31.2	22.3	17.0	19.8	45	..	5.9	..	19.6	0	16	12	03	3	1	0	0	1	12	8	2	0
	1730	350	1003.4	965.2	+0.6	30.6	22.2	17.1	19.8	47	- 5	5.5	-0.9	16.3	0	10	19	03	4	1	0	0	2	16	3	1	0
	2030	350	1006.2	967.5	..	27.7	21.7	18.2	21.0	58	..	4.5	..	11.7	0	5	21	02	2	0	0	0	2	18	2	4	0
	2330	350	1007.2	968.2	..	25.7	21.1	18.4	21.3	65	..	4.3	..	16.9	0	14	12	00	3	0	0	0	4	19	0	4	0
CUDDAPAH	0830	130	1008.4	993.7	-0.3	27.7	23.3	21.0	25.0	68	- 3	3.9	-1.7	3.4	0	0	21	00	0	0	0	0	0	21	0	9	0
	1730	130	1003.6	989.2	+0.0	31.8	24.2	20.3	24.0	52	- 9	5.1	-0.7	3.5	0	0	21	00	0	0	0	0	0	21	0	9	0
AROGYAVARAM	0830	701	1009.3	932.5	+1.1	24.3	21.4	20.0	23.4	77	+ 5	4.7	-1.2	11.2	0	3	23	02	0	0	0	1	0	0	23	4	0
	1730	701	1004.0	928.6	+0.8	28.4	23.6	21.5	25.6	67	+13	6.5	-0.2	11.1	0	1	29	01	2	0	1	0	1	1	25	0	0
TAMIL NADU (INCLUDING PONDICHERRY)																											
MADRAS	0830	6	1007.8	1007.1	+0.3	29.4	25.5	23.8	29.5	72	- 2	4.9	-0.2	9.5	0	1	29	00	0	0	0	0	8	19	3	0	0
	1730	6	1004.3	1003.6	..	31.2	26.7	24.7	31.2	69	..	5.7	..	6.1	0	1	25	00	0	5	4	0	4	9	3	4	1
MADRAS (MINAMBAKKAM)	0230	16	1005.4	1003.7	..	27.5	24.6	23.2	28.6	78	..	4.6	..	7.3	0	1	24	00	0	0	0	7	10	8	0	5	0
	0530	16	1005.8	1004.1	..	26.9	23.8	22.2	26.9	76	..	5.0	..	8.3	0	0	26	00	0	0	0	3	13	10	0	4	0
	0830	16	1007.7	1006.0	-0.3	29.4	24.1	21.5	25.8	63	-10	4.6	-1.0	15.1	0	9	21	00	0	0	0	2	13	14	1	0	0
	1130	16	1006.7	1005.0	..	33.0	24.3	19.9	23.5	47	..	4.8	..	17.5	0	12	17	01	0	0	0	2	5	16	5	1	0
	1430	16	1004.0	1002.3	..	34.0	24.9	20.3	24.0	46	..	5.9	..	16.2	0	9	21	00	1	6	3	2	3	14	1	0	0
	1730	16	1004.2	1002.5	+0.1	31.7	25.2	22.2	27.0	58	-11	5.6	-0.2	13.5	0	6	24	00	0	10	7	3	3	6	1	0	0
	2030	16	1006.5	1004.8	..	29.3	25.0	23.0	28.2	70	..	4.8	..	9.2	0	3	22	00	0	1	7	10	3	3	1	5	0
	2330	16	1007.0	1005.2	..	28.5	25.0	23.4	29.0	75	..	5.2	..	9.6	0	3	22	00	0	0	3	12	5	4	1	5	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – SEPTEMBER, 1969 BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TAMIL NADU (INCLUDING PONDICHERRY)																											
VELLORE	0530	214	1006.6	982.5	..	25.3	21.9	20.0	23.5	73	..	4.1	..	5.1	0	2	8	00	0	0	0	0	0	10	0	20	0
	0830	214	1008.2	984.2	-0.1	27.5	22.7	20.2	23.9	65	- 6	4.2	-0.9	7.1	0	0	26	00	0	0	0	1	0	24	1	4	0
	1130	214	1007.2	983.6	..	31.8	23.7	19.4	22.8	48	..	4.9	..	9.0	0	2	23	00	0	0	0	0	0	25	0	5	0
	1730	214	1003.7	980.3	+0.2	32.2	23.5	18.7	21.9	47	- 9	5.5	-0.4	6.3	0	0	27	02	1	4	0	0	2	17	1	3	0
	2330	214	1007.7	983.8	..	27.7	23.0	20.5	24.1	65	..	4.1	..	3.3	0	2	8	00	0	0	0	0	0	10	0	20	0
TAMBARAM AERODROME	0830	29	1007.4	1004.2	..	29.3	24.7	22.5	27.3	66	..	4.7	..	21.3	0	17	13	00	0	0	0	0	9	15	6	0	0
	1730	29	1004.4	1001.2	..	32.0	25.4	22.3	27.1	57	..	5.4	..	19.8	0	16	14	00	0	5	6	4	4	9	2	0	0
TIRUPPATTUR	0830	390	1009.6	966.1	+1.0	24.8	23.4	22.8	27.7	87	+ 9	7.0	+1.5	3.7	0	0	25	01	4	0	0	9	1	10	0	5	0
	1730	390	1004.6	961.8	+0.9	28.3	24.2	22.3	26.6	71	+11	7.3	+0.8	4.9	0	0	27	04	1	0	0	9	0	13	0	3	0
METTUR DAM R.S.	0830		..	..	..	27.2	22.8	20.5	24.2	67	..	4.0	..	4.5	0	0	30	00	7	0	5	0	14	0	4	0	0
	1730		..	..	..	31.4	23.0	18.4	21.2	47	..	5.0	..	6.9	0	0	28	00	4	0	1	0	13	0	10	2	0
CUDDALORE	0530	12	1006.2	1004.9	..	26.7	23.5	21.9	26.5	76	..	4.4	..	1.2	0	0	8	00	0	0	0	1	7	0	0	22	0
	0830	12	1007.8	1006.5	-0.6	29.2	24.1	21.6	25.9	64	- 9	4.6	-0.7	8.6	0	0	29	00	0	0	1	2	14	11	1	1	0
	1130	12	1007.1	1005.8	..	33.4	25.0	20.8	24.7	48	..	4.2	..	9.8	0	1	27	01	0	2	5	0	10	7	3	2	0
	1430	12	1004.2	1002.9	..	33.9	25.9	21.6	26.0	50	..	4.8	..	12.1	0	3	27	00	0	3	12	0	9	6	0	0	0
	1730	12	1004.2	1002.9	-0.2	31.5	25.9	23.2	28.7	63	- 7	5.5	+0.1	13.5	0	4	26	00	0	0	19	1	7	3	0	0	0
	2330	12	1007.3	1006.0	..	28.4	25.3	24.0	29.8	77	..	5.2	..	11.6	0	0	30	00	0	0	2	9	19	0	0	0	0
KALLAKKURICHCHI	0830	127	1007.9	993.7	+0.1	28.5	23.9	21.7	26.2	67	- 4	3.5	-0.8	3.3	0	0	13	01	0	0	0	0	9	2	1	17	0
	1730	127	1003.6	989.9	+0.6	32.6	24.9	21.1	25.1	52	- 2	5.1	-0.3	7.2	0	0	22	00	3	0	0	0	12	4	3	8	0
SALEM	0530	278	1006.7	975.4	..	24.1	21.6	20.2	23.7	79	..	2.9	..	3.4	0	0	14	00	0	0	0	0	5	0	9	16	0
	0830	278	1008.8	977.7	-0.2	26.1	22.5	20.7	24.2	72	- 5	4.1	-1.0	2.4	0	0	16	01	0	0	0	1	4	2	8	14	0
	1130	278	1007.6	976.9	..	30.5	23.4	19.7	23.1	53	..	5.4	..	7.5	0	0	27	00	0	0	0	0	3	21	3	3	0
	1730	278	1003.7	973.4	+0.0	31.8	23.1	18.4	21.4	47	- 7	6.3	+0.4	4.1	0	0	20	00	0	0	2	0	1	12	5	10	0
	2330	278	1007.8	976.7	..	26.6	22.2	19.8	22.7	67	..	3.2	..	4.5	0	0	19	00	0	0	0	0	15	1	3	11	0
COIMBATORE (PILAMEDU)	0530	399	1008.0	963.3	..	22.4	21.4	20.9	24.7	92	..	3.8	..	15.6	0	7	21	00	0	0	0	7	20	1	0	2	0
	0830	399	1009.6	965.1	+0.5	24.7	22.3	21.0	25.0	80	+ 1	4.4	-0.2	19.9	0	12	17	00	0	0	0	9	18	2	0	1	0
	1130	399	1008.3	964.4	..	29.2	23.1	19.8	23.2	58	..	4.5	..	22.8	0	15	12	01	0	0	1	8	11	6	0	3	0
	1430	399	1005.3	961.8	..	30.5	22.9	18.7	21.8	50	..	5.2	..	28.5	0	23	7	00	0	0	0	4	17	9	0	0	0
	1730	399	1005.6	961.7	+0.9	27.8	22.5	19.7	23.0	62	- 1	5.5	-0.2	26.7	0	21	9	00	0	0	0	3	21	4	1	0	1
	2030	399	1008.5	964.0	..	24.5	22.0	20.6	24.4	80	..	4.1	..	20.9	0	18	12	00	0	0	0	7	22	1	0	0	0
	2330	399	1008.6	967.9	..	23.5	22.2	21.5	25.7	89	..	3.1	..	17.2	0	13	16	00	0	0	0	6	21	2	0	1	0
COIMBATORE	0830	409	1009.4	964.0	+0.2	25.5	22.6	21.0	25.2	76	- 1	5.7	+0.6	12.0	0	2	28	00	0	0	0	0	20	10	0	0	0
NAGAPATTINAM	0830	9	1008.8	1007.7	-0.1	28.8	24.0	21.6	25.9	65	- 6	5.3	+0.2	11.3	0	1	29	00	0	0	0	1	8	17	4	0	0
	1730	9	1004.7	1003.7	-0.2	31.7	25.9	23.3	28.7	62	- 7	5.6	+0.7	15.5	0	10	20	00	0	1	12	7	7	3	0	0	0
TIRUCHCHIRAPPALLI	0230	88	1006.3	996.4	..	26.9	22.1	19.5	22.9	65	..	4.1	..	18.5	0	15	13	00	0	0	0	2	3	23	0	2	0
	0530	88	1006.5	996.6	..	26.2	22.3	20.1	23.7	70	..	4.6	..	19.0	0	15	14	00	0	0	0	0	3	24	2	1	0
	0830	88	1008.3	998.4	-0.4	28.5	23.1	20.2	23.8	61	- 9	4.7	-0.4	28.0	0	26	4	00	0	0	0	0	2	27	1	0	0
	1130	88	1007.2	997.5	..	33.2	24.1	19.3	22.6	45	..	4.0	..	31.1	0	27	3	00	0	0	0	1	3	22	4	0	0
	1430	88	1004.0	994.4	..	35.3	24.1	18.2	21.0	37	..	4.7	..	27.3	0	21	9	01	2	1	1	0	2	17	6	0	0
	1730	88	1003.9	994.2	-0.2	33.4	23.5	18.0	20.9	41	-10	5.4	+1.1	24.5	0	19	11	00	0	2	2	2	3	19	2	0	0
	2030	88	1006.9	997.1	..	29.6	22.9	19.2	22.4	55	..	5.2	..	23.5	0	16	14	00	0	0	5	5	2	18	0	0	0
	2330	88	1007.9	998.0	..	27.8	22.5	19.6	23.0	62	..	5.0	..	19.9	0	17	13	00	1	0	0	4	6	19	0	0	0
VEDARANNIYAM	0830	4	1008.8	1008.3	..	29.6	24.5	22.0	26.7	64	..	5.9	..	8.0	0	0	30	02	1	0	1	7	12	2	5	0	0
	1730	4	1005.1	1004.6	..	30.8	27.8	26.4	34.7	78	..	4.7	..	10.3	0	0	30	00	0	0	5	8	16	1	0	0	0
ATIRAMPATTINAM	0830	6	1008.6	1007.9	..	29.0	25.2	23.4	28.9	72	..	2.6	..	4.5	0	0	29	00	0	0	0	6	3	13	7	1	0
	1730	6	1004.6	1003.9	..	30.3	27.8	26.8	35.3	82	..	4.7	..	21.2	0	19	11	00	0	0	0	4	22	3	0	0	1
MADURAI	0830	133	1008.8	993.9	+0.0	28.9	23.1	20.0	23.5	59	- 4	3.9	-1.2	4.1	0	0	30	20	0	0	0	0	0	0	10	0	0
MADURAI AERODROME	0530	131	1006.9	992.1	..	26.0	22.0	19.8	23.4	70	..	4.0	..	13.1	0	7	17	03	3	0	0	0	1	8	9	6	0
	0830	131	1008.5	993.8	+0.0	29.2	22.7	19.1	22.3	55	- 9	4.5	-0.3	16.1	0	7	22	02	2	0	0	1	1	9	14	1	0
	1130	131	1007.5	993.0	..	32.8	23.4	18.2	21.1	42	..	3.8	..	19.4	0	11	16	03	0	0	0	1	2	13	8	3	0
	1730	131	1004.5	990.0	+0.1	32.3	23.2	18.0	20.9	44	- 9	6.0	-0.1	26.9	0	22	7	00	1	0	2	3	3	16	4	1	0
TONDI	0830	5	1009.2	1008.6	+0.5	29.2	25.1	23.1	28.5	70	- 1	5.9	+1.0	5.0	0	0	29	03	2	1	3	6	8	1	5	1	0
	1730	5	1005.5	1004.9	+0.4	30.3	27.1	25.5	33.1	78	+ 2	6.5	+0.9	17.8	0	10	20	00	0	0	13	14	3	0	0	0	0
PAMBAN	0830	11	1009.0	1007.7	-0.1	28.8	26.6	25.6	33.1	83	+ 5	3.6	-0.1	15.9	0	10	20	00	0	1	0	11	14	3	1	0	0
	1730	11	1005.3	1004.0	-0.4	30.1	27.6	26.6	34.9	82	+ 1	6.1	+1.6	11.0	0	5	25	00	0	1	6	14	9	0	0	0	0
TUTICORIN	0830	4	1009.4	1009.0	+0.4	30.0	23.4	20.0	23.5	55	- 4	3.2	+0.0	16.7	0	13	17	00	2	2	0	0	1	22	3	0	0
	1730	4	1005.6	1005.2	+0.5	31.7	24.3	20.5	24.5	53	- 4	4.4	+1.2	22.5	0	19	11	00	0	1	1	7	0	21	0	0	0
PALAYANKOTTAI	0830	51	1009.2	1003.5	+0.4	29.4	23.3	20.1	22.6	57	- 1	4.6	+0.0	10.5	0	6	23	00	0	1	2	0	3	12	10	1	1
	1730	51	1005.7	1000.0	+0.5	31.1	23.5	19.5	22.8	51	- 2	5.4	+0.3	16.3	0	12	18	03	1	1	1	0	2	11	9	0	2
KANNIYAKUMARI	0830	37	1010.0	1005.9	..	27.1	23.7	22.1	26.6	74	..	3.3	..	19.6	0	13	17	00	0	0	0	0	2	24	4	0	0
	1730	37	1007.0	1002.9	..	27.3	24.1	22.7	27.5	76	..	4.1	..	22.3	0	24	6	00	0	0	0	0	4	26	0	0	0
PONDICHERRY	0830	6	1007.6	1007.0	..	29.0	25.7	24.4	30.6	76	..	4.7	..	13.0	0	2	28	00	0	0	1	2	10	14	3	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — SEPTEMBER, 1969 (BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TAMIL NADU (INCLUDING PONDICHERRY)																											
PONDICHERRY	1730	6	1003.4	1002.8	..	30.9	27.5	26.1	34.0	77	..	5.7	..	19.2	0	13	17	00	0	0	12	6	2	7	3	0	0
PORT NOVA	0830	3	1007.7	1007.4	..	28.9	24.9	23.0	28.2	71	..	5.1	..	8.7	0	0	30	00	0	0	0	2	25	3	0	0	0
TUTICORIN H.P.	0830	3	1009.1	1008.8	..	29.6	24.9	22.6	27.7	67	..	3.9	..	17.5	0	11	19	01	1	0	1	3	2	19	3	0	0
	1130	3	1008.3	1008.0	..	32.6	25.6	22.3	27.2	57	..	4.0	..	26.4	0	20	10	00	0	2	6	4	2	14	2	0	0
	1430	3	1005.4	1005.1	..	33.2	26.0	22.5	27.8	56	..	4.1	..	29.2	0	29	1	00	0	0	7	6	0	16	1	0	0
	1730	3	1005.4	1005.1	..	31.3	25.6	22.8	28.2	63	..	5.1	..	29.5	0	25	5	00	0	1	2	8	0	18	1	0	0
COASTAL MYSORE																											
KARWAR	0830	4	1010.1	1009.6	+0.6	25.2	24.2	23.7	29.3	91	+ 1	5.9	-0.1	3.3	0	0	24	00	8	0	7	0	3	0	6	6	0
	1730	4	1007.8	1007.3	+0.8	27.1	25.1	24.3	30.4	85	+ 2	6.0	+0.0	6.7	0	0	29	00	0	0	1	0	1	2	24	1	1
HONAVAR	0830	26	1010.3	1007.3	+0.1	24.4	23.5	23.2	28.4	92	+ 1	6.2	-0.1	2.6	0	0	23	00	1	11	2	1	3	3	2	7	0
	1730	26	1007.8	1004.8	+0.2	26.5	24.6	23.7	29.4	85	+ 1	6.1	-0.1	3.7	0	0	26	00	0	1	0	3	1	17	4	4	0
MANGALORE (BAJPE)	0230	102	1008.5	996.9	..	23.5	23.0	22.7	27.7	95	..	5.9	..	3.3	0	0	11	03	1	0	0	0	2	3	2	19	0
	0530	102	1008.5	996.9	..	23.2	22.9	22.7	27.6	96	..	5.5	..	4.1	0	1	11	01	3	0	1	0	2	3	2	18	0
	0830	102	1010.5	999.0	+0.4	24.6	23.7	23.2	28.4	92	+ 0	5.8	-0.6	5.1	0	1	15	02	2	3	1	0	0	5	3	14	0
	1130	102	1010.4	998.9	..	27.1	24.4	23.1	28.4	80	..	6.2	..	13.0	0	1	28	03	0	0	0	0	8	9	8	1	1
	1430	102	1008.0	996.6	..	27.8	24.6	23.1	28.4	77	..	5.6	..	18.9	0	11	19	02	0	0	0	0	6	12	10	0	0
	1730	102	1007.7	996.2	+0.4	26.2	24.0	22.9	28.0	83	- 1	6.4	-0.1	13.0	0	3	24	02	0	0	0	0	3	13	9	3	0
	2030	102	1009.7	998.1	..	24.6	23.6	23.2	28.4	92	..	5.6	..	5.1	0	2	11	04	0	1	0	0	3	2	3	17	0
	2330	102	1010.2	998.6	..	24.1	23.4	23.0	28.2	94	..	5.3	..	3.8	0	0	17	04	1	1	1	0	1	4	5	13	0
MANGALORE	0830	22	1010.7	1008.2	+0.3	25.3	23.8	23.1	28.3	87	- 2	5.5	-0.8	2.7	0	0	26	02	2	7	7	0	2	4	2	4	0
	1730	22	1008.0	1005.5	+0.4	27.0	24.7	23.7	29.3	82	- 1	6.0	-0.3	5.4	0	0	30	02	0	1	0	0	6	9	9	0	3
[illegible]	0830	32	1010.3	1006.6	..	25.1	24.1	23.6	29.1	92	..	5.3	..	4.7	0	0	26	03	3	5	7	0	1	2	5	4	0
	1130	32	1010.3	1006.7	..	27.2	24.9	23.9	29.8	83	..	5.1	..	9.3	0	0	30	03	0	0	0	0	7	7	13	0	0
	1730	32	1007.7	1004.0	..	26.3	24.7	24.0	29.8	88	..	5.7	..	8.5	0	0	28	04	0	0	0	0	2	8	14	2	0
INTERIOR MYSORE, N[illegible]																											
BIDAR	0830	664	1006.9	933.7	-0.3	22.9	20.6	19.4	22.6	82	- 2	6.0	+0.1	16.9	0	11	19	03	1	0	0	0	7	8	10	0	1
	1730	664	1002.9	930.8	+0.2	26.2	21.4	18.6	21.9	67	- 1	5.7	-0.9	12.5	0	4	26	02	4	0	1	0	7	6	10	0	0
[illegible]GAON	0830	458	1007.7	956.7	-0.2	23.6	21.2	20.0	23.5	81	+ 1	6.2	+0.6	7.5	0	1	18	00	0	0	0	1	3	12	3	11	0
	1730	458	1003.0	953.0	+0.0	29.0	22.1	18.4	21.7	56	- 5	6.6	+0.3	6.9	0	0	23	06	0	0	0	0	2	15	0	6	0
[illegible]	0830	594	1008.5	942.6	+0.0	22.8	20.7	19.6	23.0	83	+ 3	5.9	+0.5	12.0	0	4	24	02	0	0	0	0	4	17	5	2	0
	1730	594	1003.6	939.1	+0.1	28.5	21.8	18.4	21.4	58	- 1	7.2	+1.0	6.3	0	0	29	02	3	1	0	0	0	19	4	1	0
RAICHUR	0830	400	1008.2	963.6	-0.1	24.7	21.3	19.4	22.7	73	- 5	5.1	+0.0	7.7	0	0	28	00	1	0	0	0	14	1	12	2	0
	1730	400	1003.2	959.7	+0.1	29.7	22.0	17.6	20.5	51	- 5	5.8	-0.1	7.6	0	1	28	00	5	0	3	0	9	6	6	1	0
BELGAUM	0830	753	1009.8	926.8	+0.5	21.6	20.5	19.9	23.1	91	+ 2	5.8	+0.2	1.5	0	0	9	00	0	0	0	0	2	5	2	21	0
	1730	753	1005.6	923.7	+0.0	23.8	21.9	21.0	24.7	85	+ 4	7.0	+0.9	2.6	0	0	15	00	0	0	0	0	2	9	4	15	0
BELGAUM (SAMRA)	0530	747	1008.0	925.2	..	19.6	19.0	18.7	21.6	94	..	4.7	..	7.7	0	3	18	00	1	0	0	0	4	14	2	9	0
	0830	747	1009.3	926.9	+0.3	21.5	19.9	19.1	22.1	86	- 3	5.7	-0.6	12.6	0	6	22	00	2	0	0	0	5	18	2	2	1
	1130	747	1008.3	926.9	..	24.8	20.9	18.9	21.8	71	..	6.4	..	19.0	0	14	14	00	3	0	0	0	2	20	2	2	1
	1430	747	1005.7	924.7	..	25.8	21.2	18.8	21.7	67	..	6.5	..	19.5	0	16	12	01	0	0	2	0	5	17	2	2	1
	1730	747	1006.0	924.5	+0.3	23.7	20.7	19.1	22.2	76	- 3	6.3	-0.1	19.9	0	18	11	00	0	0	0	0	3	23	3	1	0
	2030	747	1008.7	926.3	..	21.4	20.3	19.7	23.0	90	..	5.6	..	10.7	0	4	24	00	0	0	0	0	2	22	4	2	0
GADAG	0530	650	1007.8	935.6	..	20.6	20.0	19.8	23.1	95	..	5.7	..	9.3	0	1	28	00	0	0	0	0	6	23	0	1	0
	0830	650	1008.9	937.0	-0.3	22.0	21.0	20.5	24.1	91	+ 8	5.4	-0.7	8.6	0	1	28	01	0	0	0	0	2	26	0	1	0
	1130	650	1007.8	937.0	..	26.8	22.4	20.3	23.9	69	..	5.1	..	10.4	0	3	26	03	1	0	1	0	1	22	1	1	0
	1430	650	1004.9	934.6	..	28.4	22.8	20.0	23.6	63	..	5.9	..	11.5	0	4	25	00	0	0	2	0	1	24	1	1	1
	1730	650	1004.7	934.0	+0.2	26.6	22.3	20.2	23.8	70	+ 4	6.2	-0.1	11.5	0	1	29	02	0	0	0	1	1	26	0	0	0
	2030	650	1008.0	936.3	..	23.1	21.2	20.3	23.8	85	..	4.2	..	11.1	0	1	29	00	0	0	0	0	3	26	0	0	1
	2330	650	1009.0	937.0	..	21.7	20.8	20.5	24.1	93	..	4.5	..	10.3	0	0	30	00	0	0	0	0	2	27	1	0	0
BIDAR A.F.	0530	665	1006.0	932.2	..	20.9	19.6	18.9	21.9	88	..	5.2	..	17.8	0	10	18	02	0	0	0	2	8	14	2	2	0
	0830	665	1007.0	933.6	..	23.0	20.5	19.0	22.1	80	..	5.2	..	19.9	0	14	15	02	0	0	0	1	6	13	7	1	0
	1130	665	1006.3	933.7	..	26.0	21.3	18.8	22.1	68	..	5.5	..	21.4	0	16	14	06	0	1	0	0	5	13	5	0	0
	1730	665	1003.3	930.9	..	26.3	21.4	18.7	22.0	67	..	5.5	..	20.6	0	10	20	06	1	0	0	2	10	7	4	0	0
	2330	665	1006.7	933.4	..	23.1	20.4	18.7	22.0	79	..	5.1	..	14.0	0	6	18	01	4	0	0	0	13	5	1	6	0
INTERIOR MYSORE, SOUTH																											
BELLARY	0830	449	1008.4	958.5	-0.1	25.0	21.7	20.0	23.5	74	+ 1	5.7	+0.0	7.5	0	0	28	00	0	0	1	0	11	14	2	2	0
	1730	449	1003.7	954.8	+0.3	29.6	22.6	18.7	21.7	55	+ 0	6.3	+0.2	9.0	0	0	29	00	0	0	0	0	11	15	3	1	0
CHITRADURGA	0830	733	1009.2	928.3	-0.3	21.5	19.9	19.2	22.2	86	+ 3	5.3	-1.1	10.1	0	0	29	00	0	0	0	0	4	25	0	1	0
	1730	733	1004.9	925.4	+0.4	25.9	20.9	18.4	21.2	66	+ 3	5.6	-0.6	8.1	0	0	25	01	0	0	0	0	2	21	1	5	0
SHIMOGA	0830	571	1009.2	945.9	-0.4	22.5	21.3	20.7	24.4	90	+ 5	6.6	+0.1	2.1	0	0	23	00	0	1	1	0	15	6	0	7	0
	1730	571	1006.1	943.5	+0.7	25.0	21.7	20.1	23.4	76	+ 2	6.2	+0.1	3.3	0	0	30	00	0	0	0	0	1	29	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — SEPTEMBER, 1969(BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs.: At station level	Mean pressure in mbs.: Departure from normal	Mean temperature in °C: Dry Bulb	Mean temperature in °C: Wet Bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 62 or more	Wind Speed: 20 to 61	Wind Speed: 1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
INTERIOR MYSORE, SOUTH (CONTD.)																											
AGUMBE	0830	659	1011.3	938.0	..	20.9	20.0	19.5	22.7	92	..	4.7	..	7.7	0	0	26	03	1	4	0	8	7	3	0	4	0
	1730	659	1009.4	936.3	..	21.6	20.7	20.3	23.8	92	..	6.8	..	7.1	0	0	27	03	2	1	0	5	9	7	0	3	0
BALEHONNUR	0830		..	..	..	20.0	19.4	19.0	22.0	94	+ 1	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HASSAN	0830	960	1497.6	903.9	-1.1	25.9	21.1	18.5	21.5	65	-21	7.4	+1.3	2.5	0	0	18	00	0	0	0	0	9	9	0	12	0
	1730	960	1485.8	902.9	+0.9	24.2	20.3	18.3	21.1	71	- 4	6.4	+0.1	3.5	0	0	23	00	0	0	0	0	6	13	4	7	0
BANGALORE	0230	921	1492.7	908.6	..	20.1	18.9	18.2	21.0	89	..	5.2	..	7.3	0	0	25	00	0	0	1	0	2	22	0	5	0
	0830	921	1505.4	909.8	+0.9	20.8	19.3	18.5	21.3	87	+ 2	6.3	-0.6	7.3	0	0	28	00	0	0	0	1	3	23	1	2	0
	1130	921	1517.9	909.8	..	24.7	20.4	17.8	20.8	68	..	6.3	..	7.9	0	2	22	01	0	0	0	0	2	20	1	6	0
	1430	921	1495.7	907.8	..	26.1	20.7	17.8	20.4	62	..	6.6	..	8.7	0	2	25	01	0	1	0	0	2	22	1	3	0
	1730	921	1487.6	907.2	+1.6	24.7	20.2	17.7	20.4	67	+ 5	6.2	-0.6	7.7	0	3	22	02	0	1	0	0	5	15	2	5	0
	2030	921	1499.3	908.9	..	22.2	19.6	18.2	20.9	79	..	5.5	..	6.5	0	2	19	01	0	0	0	0	0	18	2	9	0
BANGALORE AERODROME	0530	897	1474.3	909.4	..	19.3	18.6	18.2	20.9	93	..	5.7	..	13.2	0	7	22	00	0	0	1	0	3	25	0	1	0
	0830	897	1494.3	911.2	-0.1	21.4	19.6	18.6	21.5	85	+ 2	6.0	-0.4	17.7	0	14	16	00	0	0	0	0	4	24	2	0	0
	1130	897	1500.0	910.9	..	25.1	20.8	18.5	21.3	67	..	6.1	..	19.9	0	14	15	00	1	1	0	0	4	20	3	1	0
	1730	897	1472.7	908.2	+0.4	24.6	20.5	18.3	21.0	70	+ 8	6.2	-0.3	17.1	0	12	18	01	0	1	1	0	4	17	5	0	1
	2330	897	1490.6	910.9	..	20.8	19.4	18.6	21.4	87	..	4.5	..	13.6	0	9	18	00	0	0	0	0	5	20	0	3	2
MYSORE	0830	767	1010.1	925.5	+0.0	21.5	19.6	18.6	21.4	84	+ 1	3.4	-2.3	6.2	0	0	30	00	5	7	0	7	5	6	0	0	0
	1730	767	1005.6	922.6	+0.2	25.6	20.6	18.0	20.7	64	+ 3	4.6	-1.5	10.3	0	1	29	05	0	2	0	8	1	14	0	0	0
YALANKA A.F.	0530	932	1476.6	906.3	..	19.5	18.5	17.9	20.6	91	..	5.8	..	16.8	0	13	12	00	2	1	0	0	2	19	1	5	0
	0830	932	1498.9	908.0	..	21.7	19.4	18.2	21.0	81	..	6.1	..	23.4	0	21	9	01	1	0	0	0	2	25	1	0	0
	1130	932	1500.2	907.6	..	25.1	20.4	17.9	20.6	65	..	6.0	..	24.7	0	21	9	02	0	1	0	0	1	23	3	0	0
	1730	932	1475.7	905.1	..	24.8	20.1	17.4	20.0	66	..	6.3	..	22.8	0	17	13	02	0	0	0	1	0	23	4	0	0
	2330	932	1492.6	907.6	..	21.0	19.0	17.8	20.5	83	..	5.2	..	19.8	0	12	18	02	1	1	0	1	0	24	1	0	0
KERALA																											
CALICUT	0530	5	1009.4	1008.8	..	24.2	23.4	23.1	28.2	93	..	3.9	..	2.8	0	0	18	02	6	9	0	0	0	0	1	12	0
	0830	5	1010.9	1010.3	+0.3	25.8	24.3	23.6	29.1	88	+ 0	4.9	-0.8	3.5	0	0	26	00	15	2	0	0	2	3	4	4	0
	1130	5	1010.9	1010.3	..	28.0	25.2	23.9	29.6	79	..	4.5	..	6.3	0	0	30	00	0	0	0	0	0	11	19	0	0
	1430	5	1008.8	1008.2	..	28.3	25.2	23.8	29.5	78	..	4.9	..	11.2	0	2	28	01	0	0	0	0	0	13	16	0	0
	1730	5	1008.5	1007.9	+0.7	27.1	24.8	23.7	29.4	82	+ 0	5.0	-0.9	6.1	0	0	26	00	0	0	0	0	0	3	23	4	0
	2330	5	1010.7	1010.1	..	25.4	24.2	23.7	29.4	90	..	3.4	..	4.1	0	0	21	05	10	0	0	0	2	3	1	9	0
PALGHAT	0830	97	1010.8	999.7	+0.5	25.0	23.8	23.2	28.4	90	+ 3	7.1	+1.3	9.9	0	0	30	00	0	0	0	0	0	30	0	0	0
	1730	97	1007.2	996.3	+0.5	27.1	23.5	21.7	26.0	74	+ 1	6.8	+0.7	10.4	0	0	29	00	0	0	0	0	1	28	0	1	0
FORT COCHIN	0830	3	1010.5	1010.2	-0.5	26.7	24.9	24.1	30.2	85	+ 1	7.3	+1.1	4.3	0	0	24	02	8	6	0	0	0	2	6	6	0
	1730	3	1008.0	1007.7	+0.0	27.0	25.1	24.2	30.4	85	+ 1	7.2	+0.8	10.1	0	0	30	01	1	0	0	0	0	13	15	0	0
COCHIN(NAVAL AIR STATION)	0230	3	1009.4	1009.1	..	24.6	23.9	23.6	29.1	94	..	5.8	..	2.0	0	1	6	01	0	2	0	0	0	1	3	23	0
	0530	3	1009.3	1009.0	..	24.2	23.5	23.2	28.4	94	..	5.9	..	2.2	0	0	7	00	2	0	0	0	0	1	4	23	0
	0830	3	1011.1	1010.8	..	26.5	24.6	23.7	29.3	85	..	6.0	..	3.0	0	0	11	03	3	1	0	0	0	2	2	19	0
	1130	3	1011.1	1010.8	..	28.8	25.0	23.3	28.7	73	..	6.2	..	13.4	0	1	29	01	0	0	0	0	3	8	18	0	0
	1730	3	1008.3	1008.0	..	27.5	24.7	23.4	28.9	79	..	6.2	..	13.8	0	0	30	00	0	0	0	0	0	12	18	0	0
	2330	3	1010.8	1010.5	..	25.3	24.2	23.8	29.4	91	..	5.7	..	2.4	0	0	12	04	0	2	0	0	0	1	5	18	0
ALLEPPEY	0830	4	1011.1	1010.7	+0.7	26.6	25.0	24.3	30.4	88	+ 2	5.4	-0.8	7.3	0	1	29	03	13	4	2	0	0	2	6	0	0
	1730	4	1009.3	1008.9	+1.7	27.9	25.4	24.4	30.5	82	+ 0	5.5	-0.8	20.4	0	23	7	01	0	0	0	0	0	5	24	0	0
PUNALUR	0830	34	1011.1	1007.3	+0.6	25.3	24.0	23.3	28.7	89	- 2	6.2	+1.1	0.9	0	0	6	00	0	0	0	0	0	3	3	24	0
	1730	34	1007.8	1004.0	+0.4	29.0	24.6	22.5	27.3	69	- 2	7.3	+1.3	5.1	0	0	28	02	0	0	0	0	4	13	9	2	0
TRIVANDRUM	0230	64	1009.2	1001.8	..	24.3	23.6	23.2	28.4	94	..	4.7	..	5.6	0	1	21	02	0	0	0	0	0	3	16	8	1
	0530	64	1009.2	1001.9	..	23.9	23.3	23.0	28.1	95	..	4.4	..	3.9	0	0	19	05	0	0	0	0	0	4	5	11	5
	0830	64	1011.0	1003.7	+0.2	25.8	24.0	23.1	28.3	85	- 1	5.2	+0.1	5.9	0	0	26	09	1	0	0	0	0	2	10	4	4
	1130	64	1010.4	1003.2	..	28.9	24.7	22.7	27.7	70	..	5.7	..	12.2	0	3	27	03	0	0	0	0	0	5	22	0	0
	1430	64	1007.9	1000.7	..	29.1	24.7	22.7	27.6	69	..	5.0	..	13.0	0	5	23	00	0	0	0	0	0	9	18	2	1
	1730	64	1008.1	1000.8	+0.4	27.5	24.4	23.0	28.1	77	+ 0	5.4	-0.2	10.9	0	4	26	02	0	0	0	0	0	4	22	0	
	2030	64	1010.4	1003.1	..	25.7	24.1	23.3	28.7	87	..	3.9	..	5.3	0	0	25	01	0	0	0	0	0	3	13	5	8
	2330	64	1010.9	1003.5	..	24.9	23.9	23.4	28.9	92	..	4.7	..	4.8	0	0	24	11	0	0	0	0	0	1	8	6	4
TRIVANDRUM AERODROME	0830	8	1011.4	1010.5	+0.8	26.5	24.2	23.1	28.4	82	+ 0	6.0	+0.7	17.1	0	9	21	18	0	0	0	0	0	2	10	0	0
ARABIAN SEA ISLANDS																											
AMINI	0530	4	1008.7	1008.3	..	26.7	24.5	23.6	29.1	83	..	4.0	..	28.7	0	24	5	03	0	0	0	0	0	17	9	1	6
	0830	4	1010.8	1010.3	+0.3	27.4	24.9	23.7	29.4	81	- 1	5.1	-0.1	26.3	0	23	7	07	0	0	0	0	0	15	8	0	0
	1130	4	1011.0	1010.6	..	28.7	25.6	24.3	30.4	77	..	4.8	..	28.2	1	24	5	07	0	0	0	0	0	15	8	0	0
	1730	4	1008.1	1007.7	..	28.1	25.3	24.0	29.9	79	..	5.6	..	29.2	0	27	3	05	0	0	0	0	0	15	10	0	0
	2330	4	1010.6	1010.0	..	27.2	24.8	23.8	29.4	82	..	4.6	..	27.5	0	27	3	06	0	0	0	0	0	13	11	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS SEPTEMBER, 1969 BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or St. in gen. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ARABIAN SEA ISLANDS																											
AGATTI	0830	4	1011.1	1010.6	..	27.2	25.2	24.2	30.3	84	..	6.5	..	13.5	0	4	26	02	0	0	0	0	2	11	15	0	0
	1730	4	1008.6	1008.1	..	28.0	25.6	24.6	31.0	82	..	5.7	..	13.3	0	3	27	03	0	0	0	0	0	12	15	0	0
ANDROTH	0830		(R)																								
	1730		(R)																								
MINICOY	0530	2	1009.8	1009.6	..	26.5	25.9	22.7	27.6	80	..	5.9	..	12.3	0	4	25	02	0	0	0	0	0	7	20	1	0
	0830	2	1011.7	1011.5	+0.5	27.7	24.5	23.0	27.7	76	- 3	5.3	-0.2	13.7	0	4	26	02	0	0	0	0	0	7	21	0	0
	1130	2	1011.7	1011.5	..	29.2	25.3	23.5	29.0	72	..	5.2	..	13.8	0	3	27	01	0	0	0	0	0	7	22	0	0
	1430	2	1009.5	1009.3	..	29.4	25.2	23.3	28.5	70	..	5.5	..	15.7	0	9	21	01	0	0	0	0	0	6	23	0	0
	1730	2	1009.0	1008.8	+0.5	28.4	24.6	22.9	27.9	72	- 7	5.3	-0.5	12.6	0	3	27	01	0	0	0	0	0	6	23	0	0
	2030	2	1010.9	1010.7	..	27.2	24.0	22.5	27.3	76	..	5.0	..	12.9	0	6	24	02	0	0	0	0	0	7	21	0	0
	2330	2	1011.6	1011.4	..	27.0	24.2	22.9	27.9	78	..	5.7	..	15.7	0	12	16	01	0	0	0	0	0	10	17	2	0
HILL STATIONS (EXCLUDING KASHMIR)																											
DALHOUSIE	0830	1959	1424.6	798.4	+0.2	17.5	16.2	15.3	17.5	88	+ 4	1.0	-1.2	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730	1959	1386.2	796.2	-0.8	19.8	18.3	17.5	20.1	87	+ 4	3.1	-0.1	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
DHARMASALA	0830	1211	1509.3	880.2	-0.4	21.8	19.0	17.4	20.1	77	+ 4	3.7	+0.2	0.8	0	0	12	02	2	5	0	0	1	2	0	18	0
	1730	1211	1498.5	879.0	-0.1	23.7	21.0	19.5	22.7	78	+ 4	5.2	+0.7	1.9	0	0	25	01	0	0	1	0	15	6	2	5	0
BHUNTAR	0830	1096	1475.5	888.5	..	19.6	17.8	16.7	19.2	84	..	3.8	..	3.9	0	0	22	10	0	3	3	2	0	1	3	8	0
	1130	1096	1471.4	887.3	..	25.6	19.8	16.5	19.1	59	..	3.4	..	11.7	0	6	22	01	0	1	17	9	0	0	0	2	0
	1730	1096	1447.1	865.0	..	24.8	19.9	17.1	19.7	64	..	4.2	..	15.5	0	9	21	01	0	7	12	5	2	1	2	0	0
SIMLA	0830	2202	1466.3	780.5	-0.3	16.6	13.8	11.8	14.0	74	- 1	3.0	-1.3	1.1	0	0	17	00	3	0	8	0	3	0	3	13	0
	1730	2202	1453.1	779.3	-0.2	16.9	15.3	14.3	16.4	85	+ 3	6.3	+1.2	1.8	0	0	27	02	2	0	6	4	2	1	10	3	0
GHAMGARIA (KANJALIA TOK)	0830		(R)																								
BADRINATH	0830		(R)																								
JOSHIMATH	0830		..	..	..	16.7	15.4	14.6	16.8	88	+ 5	4.6	-0.7	7.4	0	3	16	00	2	15	0	0	1	1	0	11	0
	1730		..	..	..	19.8	17.5	15.9	18.3	79	+ 5	4.8	-1.2	4.1	0	0	25	01	4	5	0	1	6	5	3	5	0
MUSSOORIE	0830	2042	1489.4	797.1	+0.6	16.4	15.4	14.8	17.0	90	+ 4	5.6	+1.1	0.6	0	0	9	00	1	0	3	4	1	0	0	21	0
	1730	2042	1469.5	795.4	+0.3	16.8	16.5	16.4	18.7	97	+ 3	6.6	+0.5	0.9	0	0	13	01	0	0	4	6	2	0	0	17	0
MUKTESWAR (KUMAUN)	0830	2311	3129.6	771.9	+0.4	14.9	13.8	13.0	15.2	89	+ 4	5.4	+1.0	7.5	0	1	22	00	6	8	2	0	3	3	1	7	0
	1730	2311	3113.8	770.2	+0.5	15.9	15.0	14.5	16.6	91	+ 2	5.2	+0.0	11.7	0	4	25	00	5	6	1	0	5	11	1	1	0
NAINITAL	0830	1953	1459.2	802.7	-0.6	16.7	15.1	13.8	16.0	83	+ 4	4.6	-0.1	3.5	0	0	18	02	0	11	3	1	0	1	0	12	0
	1730	1953	1451.4	802.2	+0.9	17.4	15.9	14.8	17.0	89	+ 6	4.7	-0.5	4.9	0	0	30	04	0	8	6	4	2	5	1	0	0
KALIMPONG	0830		..	..	..	..	..	..	..	..	..	5.8	+1.0	5.9	0	0	30	00	3	0	8	0	0	0	19	0	0
	1730		..	..	..	..	..	..	..	..	..	6.1	+1.3	5.9	0	0	30	00	1	0	27	0	0	0	2	0	0
DARJEELING	0830	2128	1502.3	790.6	-0.5	17.0	16.0	15.5	17.7	91	+ 5	7.6	+1.1	0.1	0	0	1	00	0	0	0	0	1	0	0	29	0
	1730	2128	1486.4	789.1	+0.3	16.5	15.7	15.3	17.4	93	+ 0	7.2	+0.1	3.0	1	0	0	00	0	1	0	0	0	0	0	29	0
KOHIMA	0830		(R)																								
	1730		(R)																								
SHILLONG (C.S.O.)	0830	1598	1484.5	839.2	+1.3	20.9	18.3	16.9	19.2	79	+ 2	5.4	-0.5	3.3	0	0	25	02	2	4	6	1	1	7	2	5	0
	1730	1598	1459.6	836.7	+1.8	19.4	18.4	17.8	20.4	91	+ 4	6.8	-0.3	1.8	0	0	20	02	5	2	4	3	1	3	0	10	0
CHERRAPUNJI	0830	1313	1499.9	868.7	+1.2	21.5	19.6	18.7	21.7	85	- 2	4.0	-1.6	17.6	0	13	17	00	20	0	6	0	3	0	1	0	0
	1730	1313	1475.2	866.3	+1.5	21.3	20.2	19.7	23.0	90	- 1	6.4	+0.8	9.2	0	1	28	00	14	0	2	0	13	0	0	0	0
ABU	0830	1195	1516.2	882.4	+4.3	21.1	17.1	14.7	16.8	67	-16	2.7	-1.7	0.4	0	0	3	00	0	0	0	0	0	2	1	0	27	0
	1730	1195	1464.2	876.5	+0.2	24.8	18.8	14.8	17.3	55	-21	2.4	-2.5	1.5	0	0	9	00	1	0	0	0	4	3	1	21	0
AIJAL	0830		(R)																								
	1730		(R)																								
PACHMARHI	0830	1075	1469.9	889.9	-0.8	21.5	19.4	18.4	21.5	85	- 1	5.9	-0.1	4.1	0	0	28	02	2	4	1	1	1	4	13	2	0
	1730	1075	1449.1	887.5	-0.6	23.3	20.6	19.2	24.7	81	- 1	5.8	-0.4	4.3	0	0	28	00	6	1	0	2	1	6	12	2	0
MAHABALESHWAR	0830	1382	1491.3	861.2	+0.1	17.4	16.8	16.4	18.6	94	- 2	7.4	+0.3	11.2	0	1	29	01	4	0	0	0	22	0	3	0	0
	1730	1382	1476.2	859.7	+0.5	18.7	18.3	18.1	20.8	97	- 1	7.9	+0.3	10.7	0	0	30	00	2	0	0	0	23	0	5	0	0
MERCARA	0830	1152	1503.5	885.8	+0.9	18.7	18.0	17.6	20.1	93	- 1	5.5	-0.4	15.0	0	7	22	03	0	0	0	1	0	24	0	1	1
	1730	1152	1479.9	883.4	+0.5	19.7	19.1	18.9	21.9	95	+ 4	6.9	+1.0	15.3	0	9	21	03	0	0	0	0	0	25	1	0	1
OOTACAMUND	0830	2249	1504.5	779.2	+0.4	13.1	11.8	11.0	13.2	87	- 1	4.3	-0.7	4.3	0	0	22	00	0	0	0	1	10	11	0	8	0
	1730	2249	1476.9	777.1	+0.1	14.8	13.1	12.0	14.0	84	- 1	5.7	-0.8	4.6	0	1	19	00	0	0	0	0	0	4	14	2	10
COONOOR	0830		..	..	..	19.3	15.1	12.3	14.5	65	- 5	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KODAIKANAL	0830	2343	3147.1	770.8	+0.1	14.5	11.8	9.5	12.2	74	- 5	5.7	+0.7	9.1	0	2	25	01	2	0	3	2	0	4	15	3	0
	1130	2343	3153.7	770.8	..	17.0	13.4	10.8	13.1	69	..	6.3	..	10.3	0	0	28	02	3	0	2	2	0	3	16	2	0
	1730	2343	3127.1	769.0	+0.1	14.3	12.5	11.1	13.4	82	- 8	7.1	+0.0	8.9	0	1	27	02	1	2	3	0	0	6	14	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – SEPTEMBER.1969(BHADRA 10 - ASVINA 8.1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 02 or more	20 to 01	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HILL STATIONS(EXCLUDING KASHMIR) (CONTD.)																											
MANALI	0830	6690	..	..	..	12.7	12.1	11.7	14.0	94	..	2.6	..	0.2	0	0	2	02	0	0	0	0	0	0	0	28	0
	1730	6690	..	..	..	19.6	17.0	15.5	17.7	78	..	4.6	..	1.0	0	0	7	00	4	1	0	1	0	0	1	23	0
NEPAL																											
KATMANDU	0830	1324	1481.5	865.8	-0.9	21.1	19.7	19.0	22.0	88	+ 5	6.2	+0.2	0.1	0	0	1	00	0	0	0	1	0	0	0	29	0
	1130	1324	1475.7	865.0	..	24.7	20.8	18.8	21.7	70	..	5.6	..	0.8	0	0	12	01	1	1	8	1	0	0	0	18	0
	1730	1324	1453.2	862.9	-1.0	22.5	20.5	19.5	22.8	83	+ 1	6.5	+0.7	0.3	0	0	5	04	1	0	0	0	0	0	0	25	0
SIKKIM																											
LACHEN	0830		(R)																								
DAMODAR CATCHMENT																											
HYDROMETEOROLOGICAL OBSERVATORIES																											
TILAIYA	0830		..	..	..	26.5	24.4	23.4	28.7	83	..	6.0	..	6.6	0	0	29	00	0	15	2	2	0	7	3	1	0
	1730		..	..	..	26.6	24.5	23.5	28.8	83	..	5.9	..	5.8	0	0	29	01	0	13	2	1	0	11	1	1	0
HAZARIBAGH	0830	615	1004.3	936.9	..	24.9	23.5	22.9	28.1	89	..	5.7	..	8.1	0	1	25	00	0	15	2	1	3	2	3	4	0
	1730	615	1000.7	933.6	..	25.4	24.1	23.6	29.2	90	..	5.7	..	4.0	0	0	18	00	0	10	3	0	1	2	2	12	0
KONAR	0830		(R)																								
	1730		(R)																								
BOKARO	0830	242	1003.5	976.6	..	28.0	25.7	24.7	31.1	83	..	5.3	..	..	.	..	..	00	0	0	0	0	0	0	0	30	0
	1730	242	999.7	973.0	..	29.0	26.3	25.1	32.0	80	..	5.1	..	..	.	..	..	00	0	0	0	0	0	0	0	30	0
MAITHON	0830		..	..	..	28.8	25.8	24.5	30.8	78	..	4.6	..	3.5	0	0	30	00	3	0	25	0	0	0	2	0	0
	1730		..	..	..	28.6	26.0	24.9	31.6	81	..	4.3	..	3.5	0	0	30	00	5	0	20	0	1	0	4	0	0
RAMGARH	0830		..	..	..	26.8	24.7	23.8	29.5	84	..	6.5	..	..	.	..	..	00	0	0	0	0	0	0	0	30	0
	1730		..	..	..	26.9	24.6	23.6	29.2	83	..	7.0	..	..	.	..	..	00	0	0	0	0	0	0	0	30	0
PANCHET HILLS	0830		..	..	..	27.6	25.8	25.1	31.8	86	..	3.8	..	3.1	0	0	24	00	5	0	11	0	3	0	5	6	0
	1730		..	..	..	28.1	25.8	24.8	31.2	83	..	4.3	..	2.5	0	0	18	00	4	0	8	0	1	0	5	12	0
DURGAPUR	0830		..	..	..	28.3	25.9	24.8	31.4	82	..	.	..	13.7	0	7	23	04	0	1	7	12	3	2	1	0	0
	1730		..	..	..	28.7	26.4	25.4	32.6	83	..	.	..	10.2	0	3	27	03	0	3	9	12	2	0	1	0	0
MAHANADI CATCHMENT																											
GINARAHAR	0830		..	..	..	26.2	23.9	22.9	27.9	83	..	5.0	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HIRAKUD	0830	159	1004.4	986.6	..	28.5	25.6	24.4	30.5	79	..	4.8	..	2.5	0	0	12	00	1	1	2	1	3	3	0	18	1
	1130	159	1003.5	985.9	..	30.3	26.1	24.2	30.3	71	..	4.9	..	2.4	0	0	17	02	2	2	2	3	3	2	1	13	0
	1730	159	1000.9	983.3	..	29.7	25.9	24.3	30.3	73	..	5.5	..	2.3	0	0	10	00	3	1	3	0	0	3	0	20	0
BHIMKUND	0830		(R)																								
	1730		(R)																								
SONEPUR	0830		..	..	..	28.2	26.8	26.2	34.1	89	..	4.5	..	0.5	0	0	5	00	0	3	0	1	1	0	0	25	0
KHIJRAWAN	0830		..	..	..	25.9	23.5	22.2	26.9	81	..	5.3	..	9.0	0	1	29	02	3	0	3	2	11	6	3	0	0
	1730		..	..	..	27.1	24.4	23.1	28.4	79	..	5.1	..	6.3	0	0	30	00	2	0	3	0	10	3	12	0	0
NARMADA CATCHMENT																											
BAGRA TAWA	0830		..	..	..	25.1	23.3	22.3	27.1	85	..	5.3	..	10.9	0	0	29	01	2	0	2	4	16	2	2	1	0
	1730		..	..	..	27.6	23.7	21.6	26.2	73	..	5.4	..	8.4	0	1	25	02	1	1	0	5	9	6	2	4	0
PUNASA	0830		..	..	..	24.6	23.1	22.4	27.2	89	..	4.3	..	4.4	0	0	30	00	0	0	0	1	21	6	2	0	0
	1730		..	..	..	28.1	24.2	22.2	27.2	72	..	4.5	..	4.1	0	1	28	03	0	0	0	1	17	4	4	1	0
THIKRI	0830		..	..	..	27.1	23.8	22.1	26.9	74	..	4.9	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SABARMATI CATCHMENT																											
DABOI	0830		..	..	..	26.4	23.6	22.6	26.8	78	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	31.2	24.8	21.7	26.3	57	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
JHARIL	0830		..	..	..	23.6	21.8	20.9	24.9	85	..	.	..	0.9	0	0	3	00	0	1	0	0	0	2	0	27	0
GANGAK CATCHMENT																											
JAMSOM	0830		..	..	..	15.5	13.3	12.0	14.1	80	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	16.1	13.8	12.5	14.6	80	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KHUDI BAZAR	0830		..	..	..	23.0	20.9	19.8	23.2	83	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	24.2	22.2	21.2	25.2	83	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TIMURE	0830		..	..	..	17.8	16.4	15.6	17.8	87	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	19.9	17.5	16.2	18.5	80	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
POKHARA	0830		..	..	..	23.5	21.4	20.4	24.1	84	..	5.6	..	3.7	0	0	26	03	2	2	7	3	4	4	1	4	0
	1130		..	..	..	25.7	22.5	20.9	24.8	76	..	5.3	..	5.5	0	0	27	02	0	3	13	3	2	1	3	3	0
	1730		..	..	..	24.5	22.2	21.1	25.2	82	..	5.3	..	2.9	0	0	28	06	4	3	10	2	1	1	1	2	0
GORKHA	0830		..	..	..	21.5	20.7	20.2	23.7	92	..	7.4	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1130		..	..	..	23.9	22.0	21.1	25.1	85	..	5.7	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730		..	..	..	22.9	21.0	20.1	23.6	84	..	5.2	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
NIWAKOT	0830		..	..	..	22.5	21.5	21.0	25.0	92	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	23.[illegible]	21.5	20.6	23.9	82	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – SEPTEMBER, 1969 BHADRA 10 - ASVINA 8, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or ht. in gpm. of mean standard isobaric level	Mean pressure in mb. At station level	Mean pressure in mb. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GHAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																											
DAILEKH	0830		..	..	..	22.2	20.6	19.8	23.2	87	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	23.0	21.2	20.4	24.0	85	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT																											
SALLYANA	0830		..	..	..	22.7	20.3	19.0	22.0	80	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	21.5	20.0	19.2	22.3	87	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BUTWAL	0830		..	..	..	28.3	24.9	23.4	28.8	75	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	28.7	25.7	24.1	30.1	77	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BAGHMATI CATCHMENT																											
KATMANDU	SEE UNDER NEPAL																										
KOSI CATCHMENT																											
WALUNGCHUNG GOLA	0830		..	..	..	12.2	10.6	9.5	11.9	84	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	10.8	10.3	9.9	12.2	95	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLETHOK	0830		..	..	..	21.1	19.3	18.4	21.2	85	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	21.2	19.6	18.8	21.7	86	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BHOJPUR	0830		..	..	..	20.5	18.9	18.1	20.8	86	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	19.1	18.2	17.7	20.3	91	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLEJUNG	0830		..	..	..	18.7	17.5	17.0	19.3	90	..	6.4	..	0.9	0	0	8	01	2	0	0	1	1	1	2	22	0
	1130		..	..	..	21.5	19.5	18.	21.0	82	..	6.3	..	3.5	0	0	23	02	1	1	0	2	0	8	8	7	1
	1730		..	..	..	19.8	17.	17.1	19.5	86	..	6.7	..	3.9	0	0	13	01	0	1	2	7	1	0	0	17	0
OKHALDHUNGA	0830		..	..	..	19.0	17.9	17.3	19.8	90	..	6.4	..	0.1	0	0	1	00	0	1	0	0	0	0	0	29	0
	1130		..	..	..	21.8	19.6	18.5	21.4	82	..	6.7	..	0.7	0	0	8	00	0	3	1	1	0	1	0	22	2
	1730		..	..	..	18.4	17.6	17.2	19.6	93	..	6.6	..	0.7	0	0	4	00	0	0	0	0	0	3	1	26	0
CHAINPUR	0830		..	..	..	21.2	20.1	19.5	22.8	90	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	22.3	20.8	20.1	23.5	87	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BARAHAKSHETRA	0830	146	1006.7	990.2	..	26.5	24.6	23.7	29.3	85	..	4.9	..	1.3	0	0	13	02	0	1	0	2	4	0	3	17	1
	1130	146	1005.7	986.3	..	28.7	25.6	24.2	30.3	77	..	5.7	..	3.1	0	0	24	00	1	1	0	2	11	8	1	6	0
	1730	146	1003.3	986.9	..	27.3	25.5	24.7	31.2	86	..	5.4	..	0.7	0	0	9	00	0	4	2	0	1	0	2	21	0
TISTA CATCHMENT																											
GANGTOK	0830	1812	1488.4	818.8	..	17.9	17.1	16.7	19.0	93	..	7.1	..	2.8	0	0	24	04	5	0	1	5	6	2	1	6	0
	1130	1812	1479.3	818.2	..	20.4	18.6	17.8	20.4	85	..	6.9	..	3.5	0	0	28	01	1	0	2	11	10	1	1	2	1
	1730	1812	1461.9	816.5	..	19.1	17.8	17.2	19.6	88	..	7.7	..	4.0	0	0	26	04	2	2	8	7	2	0	1	4	0
GEZING	0830		..	..	..	19.3	18.7	18.3	21.1	92	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	20.5	19.0	18.2	20.9	87	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

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भारत सरकार

GOVERNMENT OF INDIA

मौसम विज्ञान विभाग

METEOROLOGICAL DEPARTMENT

भारतीय मौसम पुनरीक्षण

INDIA WEATHER REVIEW

1969

मासिक मौसम रिपोर्ट

MONTHLY WEATHER REPORT

अक्तूबर

OCTOBER

भारत सरकार के प्राधिकार द्वारा वेधशालाओं के महानिदेशक के निदेशाधीन प्रकाशित

Published by the Authority of the Government of India Under the Direction of the Director General of Observatories

मौसम कार्यालय, पूना में रोटाप्रिंट पर मुद्रित : प्रकाशनों के प्रबंधक, दिल्ली द्वारा प्रकाशित

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INDIA WEATHER REVIEW, 1969

Monthly Weather Report

OCTOBER

MONTHLY WEATHER REPORT

FOR
OCTOBER 1969

C O N T E N T S

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MEANINGS OF SYMBOLS AND ABBREVIATIONS IN TABLES II AND III

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

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Chief features :-

1. Further withdrawal of the southwest monsoon from the country outside south Peninsula by 5th October, about 10 days ahead of the normal date;

2. Good rainfall in the Peninsula outside Maharashtra State in association with the westward movement of a cyclonic storm, and three low pressure areas from the Bay of Bengal across the south Peninsula resulting in an excess of rainfall in Andhra Pradesh and Tamil Nadu.

3. Formation of a cyclonic storm in west central and adjoining northwest Bay in the second week and its movement northeastwards to East Pakistan causing good rainfall in northeast India during that period.

4. Movement of 4 western disturbances across Western Himalayas causing light to moderate precipitation in that area; and

5. Appreciably above normal daily maximum temperatures in many parts of Gujarat State, Rajasthan and west Madhya Pradesh. Appreciably below normal daily maximum temperatures in Andhra Pradesh, Tamil Nadu and interior Mysore in the third week. Appreciably above normal daily minimum temperatures in many parts of northwest India in the last 10 days.

The southwest monsoon which had withdrawn from northwest India, Uttar Pradesh, Madhya Pradesh, Gujarat and Maharashtra States by 1st October withdrew rapidly from northeast India and from the Bay of Bengal, Arabian Sea and the Peninsula north of 15°N by 5th October, about 10 days ahead of the normal date.

A trough at the surface and in the lower and middle troposphere was extending from Gangetic West Bengal to Andaman Sea from 1st to 3rd. In this trough, a low pressure area developed over Andaman Sea on 3rd evening, moved westwards across south and adjoining central Bay and was lying over south Peninsula and adjoining Laccadives area on 7th. It moved further westwards to the central parts of the Arabian Sea by 11th, weakened into a trough and became less marked on 12th. Associated with these, there was fairly widespread rain with isolated heavy falls in the Bay Islands in the first week and in the south Peninsula from 7th to 11th. The rain belt extended to Andhra Pradesh and Orissa. The noteworthy amounts of rainfall were : On 2nd 7 cm at Kondul; On 3rd, 5 cm at Kondul and Long Island; On 6th 8 cm at Car Nicobar; On 7th 5 cm at Cuddalore and Palghat, 4 cm at Pondicherry, Mercara and Alleppey; On 8th 7 cm at Coonoor; On 9th 5 cm at Salem; On 10th 10 cm at Honavar, 7 cm at Bhadrachalam and 5 cm at Chitradurga; On 11th 8 cm at Salem and 5 cm at Palghat.

The seasonal trough of low pressure in southwest Bay and neighbourhood was well marked on 12th. A low prossure area formed in southwest Bay on 13th, persisted there and became well-marked on the morning of 16th. It moved into the interior parts of Tamil Nadu on that evening and weakened into a low pressure area on the next day. Another low pressure area developed over Laccadives and adjoining east central Arabian Sea off Kerala - Mysore coasts on 15th, slowly moved northwestwards into east central Arabian Sea off Mysore - Goa - south Maharashtra coasts by 18th, persisted there till 20th, moved westwards to the central Arabian Sea on 21st and became less marked on the next day. Associated with these two systems, there was fairly widespread rain in the Peninsula with scattered heavy to very heavy falls in Andhra Pradesh and Tamil Nadu between 14th and 20th and scattered rainfall in Maharashtra State from 17th to 21st. The noteworthy amounts of rainfall were : On 14th 6 cm at Madurai; On 15th 9 cm at Nagapattinam and 8 cm at Vedaranniyam; On 16th 18 cm at Ongole, 16 cm at Nellore, 12 cm at Masulipatam, 11 cm at Cuddalore 10 cm at Madras Airport and Trivandrum, 9 cm at Cudiapah, Vellore and Pondicherry, 8 cm at Vijayawada and Tirupathi, 7 cm at Gannavaram and 6 cm at Amini and Androth; On 17th 21 cm at Masulipatam, 17 cm at Gannavaram, 13 cm at Kallakkurichchi, 9 cm at Calicut and 7 cm at Ongole; On 18th 10 cm at Ongole; On 19th 10 cm at Shimoga and 7 cm at Bellary; On 20th, 8 cm at Salem and 7 cm at Nellore.

According to press reports the heavy rains in Andhra Pradesh resulted in very heavy damage to standing crops in Krishna and Guntur districts, the worst affected being Divi and Repalle taluks. Thousands of houses either collapsed or were damaged.

An upper air trough in the lower troposphere was lying over Andaman Sea on 17th and 18th. It moved westwards and developed into a low pressure area over south and adjoining central Bay on 19th. This low pressure area moved further west and concentrated into a depression on the morning of 21st, about 300 kms southeast of Madras. It intensified into a cyclonic storm on that night and was lying about 150 kms southeast of Madras on the morning of 22nd. It crossed north Tamil Nadu coast on the morning of 23rd, about 30 kms south of Madras weakened into a depression on that evening and then into a low pressure area over Rayalaseema and adjoining south Interior Mysore on 24th, emerged into the east central Arabian Sea off Mysore - Goa - South Maharashtra coasts on 25th and moved away westwards across west central and adjoining southwest Arabian Sea by 28th. This system caused fairly widespread rain in Andhra Pradesh Tamil Nadu and Mysore State with isolated heavy falls in Andhra Pradesh and Tamil Nadu and scattered rainfall in Kerala during the period 21st to 25th and scattered rainfall in Konkan and Madhya Maharashtra from 26th to 28th. The noteworthy amounts of rainfall were : On 21st 8 cm at Kallakkurichchi; On 22nd 23 cm at Madras Airport, 17 cm at Pondicherry, 11 cm at Cuddalore and 8 cm at Alleppey; On 23rd 16 cm at Pondicherry, 15 cm at Nellore, 14 cm at Tirupathi, 13 cm at Cuddalore, 9 cm at Vellore; On 24th 9 cm at Ongole, 8 cm at Kakinada, Kalingapatam and Tirupattur, 7 cm at Cuddapah; On 25th 11 cm at Khammam, 8 cm at Kakinada; On 26th 5 cm at Sholapur. According to press reports, the torrential rains in Madras city and neighbourhood paralysed the city life, left more than 20,000 slum-dwellers homeless and caused breaches in the railway lines on the Madras-Arkonam Section. The rainfall in Meenambakkam on 22nd almost touched the 81-year old record of 23.4 cm at that place. Tambaram near Madras recorded 29 cm and Sholavaram 48 cm for the 24-hr period ending 0830 hrs IST of 22nd. The heavy rain relieved the water scarcity in Madras City.

A low pressure area which was lying over Andaman Sea on 26th moved westwards into southwest Bay by 28th and further westwards across Comorin - Maldives area to southeast Arabian Sea by the end of the month. The seasonal trough of low pressure in south and adjoining central Bay of Bengal was well marked on 30th and 31st. A low pressure area moved from the east into north Andaman Sea on 31st. Associated with these systems, there was fairly widespread rain in the Bay Islands and scattered rain in the south Peninsula during this period. The noteworthy amounts of rainfall were : On 27th 10 cm at Vellore, 6 cm at Cuddalore;On 28th 9 cm at Cochin, 6 cm at Coonoor, 5 cm at Vijayawada and Gadag; On 29th 6 cm at Palghat On 30th 7 cm at Androth; and on 31st 11 cm at Pamban and 5 cm at Vedaranniyam.

A depression formed in west central and adjoining northwest Bay on 9th, about 500 kms southsouthwest of Calcutta, moved north, intensified into a cyclonic storm on the next day and then moving northeastwards crossed East Pakistan coast and lay as a depression near Barisal on the morning of 11th. It weakened into a low pressure area on that evening and became less marked on the next day. However, the cyclonic circulation in the lower troposphere associated with this system moved to Assam and became unimportant by 13th. This system caused good rainfall in northeast India during this period. The note-worthy amounts of rainfall were : On 9th, 10 cm at Paradeep and Sriniketan, 8 cm at Puri, 7 cm at Berhampore, Cuttack, Jharsuguda and Jashpurnagar, 6 cm at North Lakhimpur; On 10th 8 cm at Purnea, 6 cm at Sagar Island; On 11th 5 cm at Agartala; On 12th 14 cm at Haflong, 11 cm at Kailashahar and 6 cm at Silchar.

Four western disturbances moved across the Western Himalayas during this month causing light to moderate precipitation in that area. The first western disturbance moved across the Western Himalayas as a cyclonic circulation in the lower and middle troposphere between 1st and 3rd causing scattered rainfall in Jammu and Kashmir and Himachal Pradesh during this period. Gulmarg and Jammu (IAF) recorded 3 cm of rain on 2nd. The second western disturbance moved across the Western Himalayas as an upper air trough in the middle and lower troposphere between 10th and 13th causing scattered rainfall on 11th and 12th in the Western Himalayas. Dharmsala recorded 8 cm of rain on 11th. The third western disturbance followed quickly and moved across the Western Himalayas between 14th and 16th as a cyclonic circulation in the lower troposphere causing scattered light rainfall in that area. The fourth western disturbance moved across the Western Himalayas between 27th and 29th as a trough in the lower troposphere causing good precipitation in the Western Himalayas. Askote recorded 5 cm of rain on 28th and Gulmarg 4 cm on 28th and 3 cm on 29th.

The daily maximum temperature was generally above normal (1) in northwest India, Gujarat State and Madhya Pradesh on most of the days, being appreciably so in many parts of Gujarat State, Rajasthan and west Madhya Pradesh; (2) in Maharashtra State in the first fortnight; and (3) in some parts of northeast India in the first and last week. It was below normal in northeast India on some days in the second week and appreciably below normal in Andhra Pradesh, Tamil Nadu and Interior Mysore on many days between 16th and 25th.

The daily minimum temperature was generally above normal in many parts of northwest India from 12th to 31st, being appreciably so during the last 10 days. It was below normal in west Madhya Pradesh and Vidarbha upto 5th.

The rainfall was in large excess in Coastal Andhra Pradesh, Rayalaseema and Tamil Nadu; in slight excess in south Interior Mysore; normal in Telangana and Kerala. It was slight defect in Jammu and Kashmir North Interior Mysore and Arabian Sea Islands; in moderate defect in Bay Islands, south Assam and coastal Mysore and in large defect over the rest of the country. There was no rain in Haryana, west Madhya Pradesh and Gujarat.

The mean maximum temperature was above normal in Bay Islands, Orissa, Uttar Pradesh, Himachal Pradesh, Rajasthan, Madhya Pradesh, Gujarat, Saurashtra, Madhya Maharashtra, Marathwada and Vidarbha; below normal in Jammu and Kashmir. It was normal over the rest of the country.

The mean minimum temperature was above normal in Haryana, Himachal Pradesh, Jammu and Kashmir and west Rajasthan; below normal in Marathwada. It was normal over the rest of the country.

The mean Relative Humidity in the morning was below normal in Rajasthan, Madhya Pradesh, Gujarat Madhya Maharashtra, Marathwada and Vidarbha and normal over the rest of the country.

The mean Relative Humidity in the evening was above normal in Jammu and Kashmir; below normal in North Assam, Gangetic West Bengal, Orissa, East Rajasthan, Madhya Pradesh, Gujarat, Madhya Maharashtra, Marathwada and Vidarbha. It was normal over the rest of the country.

The mean cloud amount in the morning was above normal in Jammu and Kashmir; normal in Bay Islands, south Assam, Konkan, Marathwada, Coastal Andhra Pradesh, Rayalaseema, Tamil Nadu, Coastal Mysore, North Interior Mysore, south Interior Mysore, Kerala and Arabian Sea Islands. It was below normal over the rest of the country.

The mean cloud amount in the evening was above normal in Jammu and Kashmir; normal in Bay Islands, south Assam, Punjab, west Rajasthan, Konkan, Marathwada, Coastal Andhra Pradesh, Rayalaseema, Tamil Nadu, Coastal Mysore, North Interior Mysore, south Interior Mysore, Kerala and Arabian Sea Islands. It was below normal over the rest of the country.

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

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

Poona - 5;
6th February 1970

Y.P. RAO,
for Director General of Observatories

TABLE I - DIVISIONAL AND SUB-DIVISIONAL MEANS - OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1.ASSAM(INCLUDING.	69.5	43	30.3	20.3	80	77	3.4	2.9
NEFA,N.L.ETC) .	- 92.3		+0.4	-0.9	- 2	- 5	-1.2	-0.9
2.WEST BENGAL .	51.9	38	31.5	22.1	73	70	2.2	2.6
.	- 86.1		+0.3	-0.8	- 5	- 5	-1.2	-1.1
3.ORISSA .	51.4	36	32.1	22.1	77	67	2.7	3.1
.	- 92.0		+1.3	-0.6	- 2	- 6	-1.3	-1.6
4.BIHAR .	25.9	36	31.7	20.6	74	68	1.5	1.7
.	- 47.0		+0.6	-0.9	- 1	- 1	-1.5	-1.4
5.UTTAR PRADESH .	9.5	16	32.9	19.5	70	56	0.4	0.6
.	- 49.0		+1.2	+0.3	- 1	- 1	-1.2	-1.1
6.HARYANA(INCLU. .	0.0	0	32.9	19.0	67	47	0.2	0.2
DELHI CHANDIGARH).	- 38.3		+0.4	+2.1	+ 3	+ 5	-0.6	-0.6
7.PUNJAB .	4.0	11	33.0	18.1	66	47	0.5	0.8
.	- 31.7		+0.3	+1.0	0	+ 1	-0.4	-0.1
8.HIMACHAL .	11.3	14	30.2	16.5	84	53	0.3	1.7
PRADESH .	- 69.4		+1.3	+1.4	- 3	- 5	-2.2	-0.5
9.JAMMU AND .	36.2	84	21.1	7.5	87	63	3.6	3.9
KASHMIR .	- 6.9		-1.5	+1.8	+ 5	+12	+1.6	+1.3
SUB-DIVISION								
SUB-DIVISION								
1.BAY ISLANDS .	200.5	60	30.4	23.0	83	87	5.3	5.6
.	-131.0		+1.1	-0.8	0	- 1	-0.7	-0.1
2.NORTH ASSAM .	43.0	31	30.7	20.6	80	76	3.1	2.5
(INCLUDING NEFA) .	- 97.5		+0.6	-0.8	- 2	- 6	-1.5	-1.2
3.SOUTH ASSAM .	129.9	62	29.5	19.9	81	77	4.1	3.8
(INCL.N.LAND ETC).	- 80.5		-0.2	-0.9	- 2	- 4	-0.5	-0.3
4.SUB-HIMALAYAN .	62.5	40	31.1	20.7	75	73	1.9	2.0
WEST BENGAL .	- 93.5		+0.5	-1.0	- 3	- 4	-1.5	-1.1
5.GANGETIC WEST- .	48.4	37	31.6	22.6	73	69	2.3	2.8
BENGAL .	- 83.6		+0.2	-0.8	- 4	- 6	-1.1	-1.1
6.ORISSA .	51.4	36	32.1	22.1	77	67	2.7	3.1
.	- 92.0		+1.3	-0.6	- 2	- 6	-1.3	-1.6
7.BIHAR PLATEAU .	38.0	45	31.3	20.4	74	68	1.5	2.1
.	- 46.7		+0.8	-0.8	- 1	+ 1	-1.9	-1.8
8.BIHAR PLAINS .	17.9	27	32.0	20.8	75	69	1.5	1.4
.	- 47.2		+0.5	-1.0	0	- 1	-1.1	-1.1
9.UTTAR PRADESH .	8.5	13	33.4	20.9	71	59	0.4	0.5
(EAST) .	- 57.7		+1.2	+0.6	- 3	- 2	-1.4	-1.4
10.UTTAR PRADESH .	11.0	23	32.2	17.6	68	50	0.3	0.6
(WEST) .	- 37.2		+1.3	-0.2	0	- 1	-1.0	-0.8
11.HARYANA(INCLU. .	0.0	0	32.9	19.0	67	47	0.2	0.2
DELHI CHANDIGARH).	- 38.3		+0.4	+2.1	+ 3	+ 5	-0.6	-0.6
12.PUNJAB .	4.0	11	33.0	18.1	66	47	0.5	0.8
.	- 31.7		+0.3	+1.0	0	+ 1	-0.4	-0.1
13.HIMACHAL .	11.3	14	30.2	16.5	84	53	0.3	1.7
PRADESH .	- 69.4		+1.3	+1.4	- 3	- 5	-2.2	-0.5
14.JAMMU AND KASH-.	36.2	84	21.1	7.5	87	63	3.6	3.9
-MIR .	- 6.9		-1.5	+1.8	+ 5	+12	+1.6	+1.3
15.RAJASTHAN(WEST).	1.3	19	38.0	22.2	46	29	0.4	1.0
.	- 5.4		+2.7	+2.1	-10	- 4	-0.4	-0.2
16.RAJASTHAN(EAST).	0.4	1	35.6	18.4	50	29	0.2	0.6
.	- 34.1		+2.7	+0.4	-13	-15	-1.2	-1.1
17.MADHYA PRADESH .	0.1	0	34.4	17.8	56	37	0.5	1.2
(WEST) .	- 40.6		+2.8	-0.4	- 9	- 8	-1.6	-1.6

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
10.RAJASTHAN .	0.9	5	36.9	20.5	48	29	0.3	0.8
.	- 18.4		+2.7	+1.3	-11	- 9	-0.7	-0.6
11.MADHYA PRADESH .	5.8	12	33.3	18.3	62	43	0.9	1.5
.	- 43.9		+2.1	-0.5	- 7	- 9	-1.6	-1.6
12.GUJARAT STATE .	0.6	2	36.3	21.6	64	41	0.8	1.2
(INCLU.DIU ETC).	- 31.0		+2.1	+0.1	- 6	- 5	-1.0	-0.9
13.MAHARASHTRA .	18.6	25	33.0	20.3	65	48	2.5	3.1
STATE(INCL.GOA).	- 56.6		+1.5	-0.7	- 8	- 9	-0.9	-0.9
14.ANDHRA PRADESH .	220.7	156	31.4	22.4	80	68	4.0	5.0
.	+ 78.8		0.0	-0.5	+ 2	+ 1	-0.6	-0.3
15.TAMILNADU .	311.6	162	31.4	23.2	83	72	5.7	6.3
(INCL.PONDICH.).	+119.2		-0.4	-0.7	+ 5	+ 2	+0.5	+0.6
16.MYSORE .	126.1	91	29.8	20.8	80	62	4.9	5.7
.	- 13.2		+0.1	0.0	0	- 2	-0.1	+0.1
17.KERALA .	294.5	102	30.9	23.3	86	78	6.1	6.7
.	+ 5.8		+0.8	-0.2	+ 1	- 1	+0.4	+0.3
SUB-DIVISION								
SUB-DIVISION(CONTD)								
18.MADHYA PRADESH .	12.8	21	31.9	19.0	69	52	1.4	1.9
(EAST) .	- 48.2		+1.3	-0.5	- 6	- 8	-1.6	-1.6
19.GUJARAT REGION .	0.0	0	37.0	20.8	59	32	0.7	0.8
(INCL.DAMAN ETC).	- 31.8		+2.0	0.0	- 9	-10	-1.1	-1.1
20.SAURASHTRAKUTCH.	1.0	3	35.7	22.2	68	47	0.9	1.6
(INCLUDING DIU) .	- 30.4		+2.0	+0.2	- 4	- 3	-0.9	-0.6
21.KONKAN .	24.7	24	32.0	23.0	76	73	3.6	3.4
(INCLUDING GOA).	- 77.3		+1.0	-0.6	- 4	- 2	-0.4	-0.7
22.MADHYA- .	25.4	34	33.6	19.0	61	38	2.0	3.2
-MAHARASHTRA .	- 49.0		+1.6	-0.8	-10	-10	-1.1	-0.8
23.MARATHWADA .	20.0	39	33.4	17.9	51	30	2.6	4.2
.	- 31.4		+1.8	-1.1	-13	-17	-0.4	+0.2
24.VIDARBHA .	4.5	8	33.1	20.0	63	42	1.9	2.5
.	- 52.9		+1.5	-0.8	- 9	-12	-1.5	-1.3
25.COASTAL ANDHRA .	341.5	169	31.5	23.6	82	77	4.1	5.3
-PRADESH .	+139.9		+0.1	-0.7	+ 2	+ 4	-0.7	-0.2
26.TELANGANA .	85.3	102	31.5	21.2	78	57	3.3	3.9
.	+ 1.5		-0.1	-0.6	+ 1	- 5	-0.8	-1.0
27.RAYALASEEMA .	185.6	170	31.2	22.1	76	63	4.9	6.0
.	+ 76.2		0.0	-0.1	+ 1	+ 3	-0.1	+0.2
28.TAMILNADU .	311.6	162	31.4	23.2	83	72	5.7	6.3
(INCL.PONDICH.).	+119.2		-0.4	-0.7	+ 5	+ 2	+0.5	+0.6
29.COASTAL MYSORE .	90.0	51	30.8	22.9	84	78	5.0	5.5
.	- 86.6		+0.8	-0.5	- 3	- 2	-0.5	-0.4
30.INTERIOR MYSORE.	86.3	87	30.7	20.6	73	52	4.3	5.7
(NORTH) .	- 12.5		+0.2	+0.2	- 1	- 4	+0.1	+0.7
31.INTERIOR MYSORE.	178.9	115	28.3	19.7	84	64	5.5	5.9
(SOUTH) .	+ 22.7		-0.3	-0.1	+ 2	+ 1	-0.1	0.0
32.KERALA .	294.5	102	30.9	23.3	86	78	6.1	6.7
.	+ 5.8		+0.8	-0.2	+ 1	- 1	+0.4	+0.3
33.ARABIAN SEA- .	128.6	80	30.6	24.3	78	73	5.4	5.7
ISLANDS .	- 31.5		+0.6	-0.6	- 2	- 5	+0.2	+0.1

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

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
BAY ISLANDS																												
MAYA BANDAR	30.8	+1.9	32.4	25	23.6	-0.4	22.4	27	27.3	99.9	-213.7	24.4	07	11	- 5.9	6.7	4.6	-2.7	1	16	0	0	7	0	0	0	0	0
LONG ISLAND	30.8	+0.7	32.6	02	23.7	-0.2	22.2	27	113.8	185.0	-147.9	46.6	03	11	- 4.9	3.7	2.1	+0.4	0	13	0	0	4	0	0	0	0	0
PORT BLAIR	30.9	+1.9	32.1	17	23.2	-0.4	22.1	03	57.4	106.5	-210.0	32.2	07	9	- 6.5	8.6	5.7	-5.0	1	12	0	0	6	8	0	0	0	0
CAR NICOBAR	30.2	+0.6	31.5	25	21.6	-1.7	20.5	03	140.1	225.1	- 98.1	83.0	06	11	- 4.6	3.9	1.6	-1.3	0	18	0	0	0	0	0	0	0	0
NAN CUWRY	30.9	+1.2	33.1	23	24.0	-0.2	22.9	01	85.7	156.6	-174.3	19.6	20	16	- 0.9	4.1	2.5	-3.1	0	22	0	0	0	0	0	0	0	0
KUNDUL	28.5	0.0	30.2	17	21.9	-2.1	20.6	02	217.7	429.8	+ 58.1	71.0	02	20	+ 2.4	0.3	0.3	-3.2	0	26	0	0	0	0	0	0	0	0
HUT BAY/LITTLE ANDAMAN	32.5	..	34.8	19	..	..	..	..	97.2	89.8	..	24.2	30	6	..	5.9	3.5	..	2	15	0	0	1	0	0	0	0	0
NORTH ASSAM(INCLUDING NEFA)																												
PASIGHAT	29.1	+0.1	33.4	06	22.6	+1.7	17.3	31	3.0	7.7	-235.2	2.7	09	1	- 7.6	5.8	9.0	+0.4	1	6	0	0	3	0	0	0	0	0
DIBRUGARH(MOHANBARI)	30.0	+1.2	33.3	06	20.0	-0.7	16.1	26	19.2	75.5	-138.6	30.6	20	5	- 5.2	3.6	2.2	-0.5	0	8	0	0	3	4	0	0	0	0
DIGBOI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
NORTH LAKHIMPUR	30.6	+1.3	33.4	05	18.9	-1.7	15.1	28	64.6	105.4	-123.3	61.8	09	4	- 6.9	3.7	2.4	..	0	6	0	0	2	1	0	0	0	0
SIBSAGAR	..	..	..	..	..	..	..	..	0.0	30.8	- 98.0	10.3	11	3	- 5.2	1.8	1.4	-1.8	0	3	0	0	0	0	0	0	0	0
GOHPUR	30.8	-0.1	33.0	07	21.5	+0.6	16.0	27	0.0	27.2	- 98.0	20.0	09	2	- 2.0	2.0	1.8	..	0	2	0	0	0	0	0	0	0	0
MAJBAT	31.6	..	34.1	07	19.5	..	16.0	24	0.0	16.2	-101.2	11.1	09	2	- 4.8	3.5	2.7	-0.4	0	2	0	0	0	0	0	0	0	0
JORHAT AERODROME	30.6	..	33.5	02	21.3	..	18.3	24	4.5	43.3	..	18.8	09	5	..	..	..	..	0	6	0	0	4	8	0	0	0	0
TANGLA	31.8	+1.2	34.9	06	20.2	-0.7	17.0	24	0.0	15.4	- 67.0	8.2	19	2	- 2.2	2.1	2.1	+0.6	0	2	0	0	0	0	0	0	0	0
TEZPUR	31.5	+1.3	34.0	07	20.6	-1.2	17.8	25	1.1	26.0	- 82.5	10.6	01	3	- 3.4	3.3	2.8	+0.9	0	5	0	0	0	0	0	0	0	0
GULAGHAT	30.8	+0.8	33.6	03	19.0	-2.9	15.9	23	21.0	56.8	- 57.6	13.6	10	6	- 1.1	3.6	2.7	..	0	9	0	0	0	0	0	0	0	0
RANGIA	30.6	-0.6	34.0	07	20.9	-1.0	17.7	28	1.3	34.2	- 65.0	14.0	09	4	- 1.5	4.8	3.1	..	0	5	0	0	0	0	0	0	0	0
CHAPARMUKH	30.1	-1.2	33.1	02	..	..	..	..	..	41.2	- 42.0	12.2	21	4	- 3.1	..	..	..	0	6	0	0	1	0	0	0	0	0
GOALPARA	..	..	..	..	..	..	..	..	0.0	27.0	-126.1	13.3	10	3	- 2.2	4.1	2.2	-0.1	0	3	0	0	0	0	0	0	0	0
GAUHATI(BHORJOR)	30.8	+0.7	32.9	06	21.0	-1.1	18.0	29	1.9	69.5	- 9.6	19.2	15	7	+ 1.2	4.8	3.2	..	1	8	0	0	7	4	0	0	0	0
DHUBRI(RUPSI)	31.1	+0.8	33.5	03	20.0	-1.2	16.8	31	4.2	10.9	-207.6	9.3	11	1	- 4.8	5.6	4.1	+0.8	0	3	0	0	2	6	0	0	0	0
DHUBRI	31.0	+1.9	33.4	05	22.0	-1.0	19.2	31	5.4	8.0	-138.8	6.0	11	1	- 4.4	7.2	5.0	0.0	0	2	0	0	0	0	0	0	0	0
LUMDING	31.1	+0.9	34.0	01	20.0	-1.3	17.2	31	3.2	136.3	+ 30.9	38.2	12	6	- 0.2	3.1	2.2	..	0	7	0	0	0	0	0	0	0	0
BOMDILLA	16.0	..	20.5	02	8.3	..	6.7	19	0.0	16.4	..	10.2	10	2	..	..	..	..	0	4	0	0	0	17	0	0	0	0
TAWANG	14.5	..	16.1	07	6.2	..	2.8	24	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
TEZU	31.0	..	35.9	15	18.0	..	7.5	31	5.2	13.6	..	6.4	11	2	..	..	..	..	0	4	0	0	0	0	0	0	0	0
ALONG	28.7	..	32.5	04	20.0	..	15.4	29	22.9	55.2	..	17.6	07	4	..	..	..	..	1	6	0	0	0	0	0	0	0	0
ZIRO	23.8	..	27.9	07	9.6	..	2.0	28	17.2	64.9	..	36.8	13	4	..	8.5	5.3	..	0	5	0	0	0	27	0	0	0	0
KHONSA	28.2	..	30.0	19	19.3	..	17.1	27	15.5	49.0	..	25.6	10	3	..	..	..	..	0	7	0	0	0	0	0	0	0	0
SOUTH ASSAM(INCLUDING NAGALAND, MANIPUR AND TRIPURA)																												
TURA	29.3	+0.4	31.6	06	20.3	0.0	17.6	31	35.4	52.2	-196.8	16.6	11	5	- 5.1	3.3	4.4	-0.2	0	9	0	0	0	0	0	0	0	0
HAFLONG	25.5	-1.4	27.8	01	18.9	-0.3	16.6	29	66.8	283.4	+ 40.0	142.2	12	5	- 4.0	..	..	..	0	5	0	0	0	0	0	0	0	0
SILCHAR(KUMBHIRGRAM)	31.7	+0.3	35.2	05	21.2	-0.6	17.7	31	3.3	136.8	- 88.3	47.7	12	6	- 4.2	5.4	6.3	+1.0	0	6	0	0	4	0	0	0	0	0
SILCHAR	29.1	-2.0	32.4	05	22.6	-0.1	19.0	31	2.6	123.8	- 73.8	63.0	12	4	- 4.6	0.1	0.1	-1.3	0	5	0	0	2	0	0	0	0	0
IMPHAL(TULIHAL)	27.9	+0.3	31.0	02	13.9	-3.4	8.8	31	7.4	121.8	+ 5.3	81.0	10	4	- 3.7	5.6	3.7	-0.2	0	11	0	0	1	9	0	0	0	0
KAILASHAHAR	31.2	+0.1	33.7	07	21.4	-0.9	17.7	31	26.4	122.3	-142.8	51.2	12	4	- 6.0	4.9	3.5	+1.3	0	5	0	0	6	2	0	0	0	0
AGARTALA	31.5	+0.6	34.0	08	21.1	-1.1	18.0	21	10.5	69.3	-107.1	46.2	11	6	- 2.0	7.2	3.2	-1.7	0	6	0	0	7	3	0	0	0	0
TUENSANG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MOKOKCHUNG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SUB-HIMALAYAN WEST BENGAL																												
BAGHDOGRA	31.5	+1.0	33.8	06	18.2	-2.3	13.0	27	31.3	92.4	- 69.1	45.1	10	3	- 3.7	..	..	..	0	6	0	0	5	0	0	0	0	0
JALPAIGURI	30.6	+0.6	32.7	06	22.0	+0.6	18.2	28	1.6	50.4	- 99.7	46.2	10	1	- 4.9	3.9	3.8	-0.5	1	4	0	0	1	1	0	0	0	0
COOCH BEHAR AERODROME	30.8	-0.2	33.3	07	19.6	-2.5	16.4	24	1.2	47.1	-144.2	45.7	10	1	- 5.1	4.8	2.6	-0.5	0	2	0	0	2	0	0	0	0	0
BALURGHAT	31.9	..	34.0	03	22.6	..	19.8	11	18.7	54.8	..	18.9	10	4	..	3.4	2.3	..	0	4	0	0	1	0	0	0	0	0
MALDA	31.4	+0.5	33.7	09	22.8	0.0	20.7	25	7.6	60.0	- 60.9	50.8	10	2	- 2.5	2.2	1.3	-3.4	0	4	0	0	2	0	0	0	0	0
HASHIMARA AERODROME	32.4	..	35.0	05	18.2	..	15.0	27	8.0	37.7	..	30.7	10	2	..	..	..	..	1	4	0	0	5	0	0	0	0	0
GANGETIC WEST BENGAL																												
BERHAMPORE	32.2	0.0	34.4	04	22.7	-0.6	20.6	30	33.4	142.4	+ 31.7	65.0	09	4	- 0.8	0.8	0.2	-1.8	0	5	0	0	2	0	0	0	0	0
SURI	29.0	-1.9	32.1	31	21.9	-0.7	19.1	21	..	23.3	-128.5	7.2	09	5	- 2.0	.	2.6	-2.9	0	5	0	0	0	0	0	0	0	0
ASANSOL	32.6	+1.2	34.1	01	20.8	-1.4	17.4	27	4.2	6.6	-102.4	4.8	09	1	- 4.3	4.2	2.3	-2.5	0	3	0	0	1	0	0	0	0	0
SHANTI NIKETAN	31.5	..	33.3	02	21.8	..	19.1	30	20.8	118.8	..	96.5	09	4	..	1.8	1.4	..	0	5	0	0	2	0	0	0	0	0
KRISHNANAGAR	32.8	+0.2	35.3	21	21.3	-1.7	18.6	31	20.0	42.3	- 80.4	22.9	09	3	- 2.5	3.2	2.3	-0.7	0	5	0	0	2	0	0	0	0	0
PURULIA	31.3	+0.4	32.9	02	21.0	-1.2	18.1	28	16.6	23.2	- 50.7	13.8	09	3	- 1.4	3.7	2.3	-1.4	0	4	0	0	0	0	0	0	0	0
BANKURA	33.2	..	34.5	22	22.7	..	20.1	28	2.7	17.5	- 70.9	11.6	09	2	- 2.7	2.0	1.5	..	0	3	0	0	0	0	0	0	0	0
BURDWAN	32.8	+1.4	34.2	09	23.2	-0.5	20.8	30	1.6	12.7	- 81.8	5.4	10	3	- 1.8	..	..	..	0	3	0	0	0	0	0	0	0	0
CALCUTTA (DUM DUM)	31.3	-0.1	33.6	20	23.3	-0.3	20.4	31	17.8	37.1	-101.8	13.0	09	4	- 2.9	6.1	3.5	-1.5	1	5	0	0	5	1	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
GANGETIC WEST BENGAL(CONTD.)																												
CALCUTTA	32.1	+0.3	34.5	06	23.5	-0.4	21.0	27	38.5	99.6	- 27.7	40.0	09	6	- 0.7	5.0	2.6	-0.5	0	7	0	0	6	0	0	0	0	0
MIDNAPORE	31.6	+0.2	34.0	21	22.6	-0.4	19.9	25	9.6	23.4	- 90.9	13.8	09	2	- 3.8	3.1	1.6	-1.7	0	3	0	0	1	0	0	0	0	0
CONTAI	31.5	+0.4	33.4	19	23.9	-0.8	21.8	31	48.2	64.2	-174.6	27.0	10	4	- 4.7	4.8	2.8	-1.8	0	5	0	0	1	0	0	0	0	0
SAGAR ISLAND	30.6	+0.6	32.4	03	24.9	-0.2	18.8	09	67.9	88.8	-125.1	56.5	10	3	- 4.9	10.5	8.0	-3.9	0	6	0	0	1	4	0	0	0	0
SANDHEADS	31.6	..	34.5	21	..	..	..	..	10.2	64.8	- 67.3	39.0	10	3	- 3.1	..	..	..	0	3	0	0	0	0	0	0	0	0
BAGATI	31.6	..	33.6	04	22.2	..	19.0	27	8.0	19.0	..	9.4	11	3	..	2.9	2.3	..	0	3	0	0	0	0	0	0	0	0
ORISSA																												
BARIPADA	32.9	+0.3	35.0	20	21.5	-0.8	18.3	27	1.2	5.6	-172.8	3.9	10	1	- 8.0	1.9	0.8	-0.9	0	3	0	0	4	0	0	0	0	0
JHARSUGUDA	32.8	+1.7	34.9	21	21.1	-0.7	18.5	27	33.2	73.0	- 7.1	73.0	09	1	- 4.4	5.2	4.0	-2.1	0	1	0	0	1	0	0	0	0	0
KEONJHARGARH	30.6	+1.8	31.9	21	22.9	+1.4	20.3	30	5.0	8.0	- 96.5	5.0	08	2	- 5.0	..	..	..	0	2	0	0	0	0	0	0	0	0
BALASORE	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SAMBALPUR	33.7	+2.2	34.1	02	21.6	-0.4	16.4	28	2.1	9.6	- 48.3	4.2	09	2	- 1.6	..	..	..	0	3	0	0	0	0	0	0	0	0
ANGUL	32.2	+1.2	33.8	20	19.5	-3.0	15.8	31	..	8.6	- 95.3	6.6	08	1	- 5.0	.	5.1	-0.5	0	3	0	0	0	1	0	0	0	0
CHANDBALI	31.9	+1.1	39.9	22	23.5	-0.1	20.5	31	21.6	59.3	-151.3	37.8	10	2	- 6.6	6.3	5.2	-0.9	0	2	0	0	0	0	0	0	0	0
BULANGIR	32.6	+1.6	34.4	22	..	..	..	..	0.0	28.8	- 71.9	28.8	08	1	- 5.0	2.2	3.9	-1.4	0	1	0	0	0	0	0	0	0	0
PHULBANI	30.5	..	32.6	22	17.8	..	13.5	28	4.4	5.4	..	3.8	08	1	..	3.2	1.4	..	0	3	0	0	0	0	0	0	0	0
CUTTACK	34.0	+2.0	36.5	03	24.5	+0.8	22.5	31	0.0	85.8	- 55.9	70.4	09	2	- 4.8	4.5	2.5	-1.8	0	2	0	0	1	0	0	0	0	0
TITLAGARH	32.9	+1.5	34.6	05	21.8	-0.5	16.3	31	10.6	10.6	- 71.1	10.6	08	1	- 4.3	2.9	3.3	+0.7	0	1	0	0	2	0	0	0	0	0
BHUBANESWAR	32.2	+1.3	34.0	21	22.5	-0.6	20.4	28	19.7	59.3	-206.5	21.3	13	5	- 4.7	8.5	6.8	-1.7	0	7	0	3	4	0	0	0	0	0
PURI	32.5	+1.3	34.8	08	..	..	..	..	23.0	141.6	- 51.2	75.5	09	5	- 2.6	6.1	3.7	-8.6	0	6	0	0	0	0	0	0	0	0
GOPALPUR	31.6	+0.5	35.1	04	22.5	-1.4	20.4	27	46.4	102.2	-118.3	53.4	09	5	- 2.0	..	..	..	0	7	0	0	5	0	0	0	0	0
KORAPUT	26.9	+0.1	28.4	05	..	..	..	..	65.4	76.0	- 49.4	33.0	19	6	- 2.0	..	..	..	1	8	0	0	0	0	0	0	0	0
PARADIP PORT	33.3	..	34.0	17	25.3	..	23.1	31	66.4	191.4	..	100.8	09	6	..	15.8	12.4	..	0	6	0	0	0	0	0	0	0	0
ROURKELA	32.3	..	33.9	21	21.0	..	17.4	30	5.6	28.0	..	25.7	09	1	..	..	..	..	0	2	0	0	1	0	0	0	0	0
BHOWANI PATNA	31.8	..	33.3	04	22.1	..	17.1	30	0.0	0.0	..	0.0	..	0	..	3.4	3.4	..	0	0	0	0	0	0	0	0	0	0
BIHAR PLATEAU																												
DUMKA	32.1	+0.6	34.5	20	20.4	-1.2	17.9	30	4.8	91.5	- 12.1	32.0	01	4	- 0.8	2.7	2.9	-0.2	0	6	0	0	0	0	0	0	0	0
DALTONGANJ	..	..	..	..	18.8	-1.4	16.2	22	1.2	2.6	- 50.7	1.4	11	0	- 3.4	4.3	3.3	-0.1	0	2	0	0	0	0	0	0	0	0
HAZARIBAGH	..	..	..	..	..	..	..	..	33.4	36.1	- 43.4	35.0	09	1	- 3.9	2.7	1.1	-5.2	0	2	0	0	1	1	0	0	0	0
DHANBAD	31.1	+0.5	33.0	01	22.1	+0.4	18.0	31	35.1	41.5	- 35.8	20.6	11	3	- 1.8	4.1	1.8	-4.4	0	4	0	0	0	0	0	0	0	0
RANCHI AERODROME	28.7	+1.1	30.4	20	18.5	-0.9	16.0	30	2.7	10.5	- 98.8	10.5	09	1	- 5.0	9.7	6.5	-2.2	0	1	0	0	1	0	0	0	0	0
JAMSHEDPUR	32.4	+0.8	34.0	02	21.2	-1.0	17.5	29	11.6	43.6	- 30.8	26.0	09	3	- 2.0	3.8	2.3	-1.5	0	3	0	0	0	2	0	0	0	0
JAMSHEDPUR P.B.O.	31.8	+1.1	34.0	20	20.8	-1.1	17.0	30	10.2	30.3	- 64.5	18.5	09	2	- 3.5	4.4	2.5	-2.1	0	3	0	0	1	0	0	0	0	0
CHAIBASA	31.4	+0.4	33.0	21	21.3	-0.3	17.2	28	0.4	47.6	- 37.5	47.6	09	1	- 3.6	2.3	1.5	-0.5	0	1	0	0	1	0	0	0	0	0
BIHAR PLAINS																												
MOTIHARI	32.3	+1.0	33.9	02	20.5	-0.6	17.3	25	0.0	13.2	- 63.0	7.4	11	2	- 0.7	3.3	2.0	-0.3	0	2	0	0	1	0	0	0	0	0
FORBESGANJ	31.2	-1.0	33.4	06	21.5	+0.8	18.2	28	1.2	45.2	- 35.8	32.4	09	3	- 1.3	4.5	2.8	-1.5	0	5	0	0	3	2	0	0	0	0
DARBHANGA	32.5	+1.1	34.1	05	21.7	-0.6	19.4	23	0.0	1.4	- 57.3	0.8	10	0	- 2.4	1.5	1.2	-1.2	0	2	0	0	0	0	0	0	0	0
MUZAFFARPUR	31.7	..	33.0	06	22.1	..	19.7	29	0.0	0.6	- 57.8	0.6	11	0	- 2.6	3.8	2.1	..	0	1	0	0	0	0	0	0	0	0
CHAPRA	32.9	..	34.0	01	23.3	..	20.0	20	12.8	12.8	- 39.2	11.6	10	1	- 1.5	3.7	2.6	..	0	2	0	0	0	0	0	0	0	0
PURNEA	31.5	0.0	33.9	09	19.0	-2.5	16.0	25	3.2	111.6	+ 29.3	84.0	10	2	- 1.7	2.2	1.1	-2.5	0	4	0	0	0	0	0	0	0	0
PATNA AERODRUME	31.8	+0.6	32.8	01	22.2	+0.5	19.7	27	0.0	10.6	- 46.7	10.6	11	1	- 2.1	4.7	2.2	-1.8	0	1	0	0	1	1	0	0	1	0
ARRAH	..	..	..	..	..	..	..	..	..	0.0	- 59.9	0.0	..	0	- 3.1	..	..	..	0	0	0	0	0	0	0	0	0	0
BHAGALPUR	32.1	+0.1	34.3	09	23.0	-0.1	20.6	20	3.4	3.9	- 74.9	1.7	10	0	- 3.5	4.8	3.2	-1.4	0	3	0	0	2	0	0	0	0	0
SABAUR	32.1	+0.9	34.0	09	19.5	-2.4	16.2	26	3.6	13.8	- 63.9	6.2	01	2	- 1.0	5.1	2.7	-1.9	1	4	0	0	1	0	0	0	0	0
JAMUI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DEHRI	32.8	+1.0	35.2	22	18.5	-3.5	15.5	22	0.0	0.4	- 43.8	0.4	10	0	- 2.5	3.9	2.4	-1.3	0	1	0	0	0	0	0	0	0	0
GAYA	32.0	+0.8	33.2	17	21.1	-0.6	17.5	28	0.0	1.6	- 52.5	1.6	03	0	- 3.4	5.9	5.2	-0.8	0	1	0	0	0	0	0	0	0	0
SUPAUL	..	..	..	..	23.7	..	19.1	18	0.0	45.3	..	23.2	09	2	..	..	..	..	0	2	0	0	0	0	0	0	0	0
UTTAR PRADESH EAST																												
KHERI	32.8	+1.3	34.0	01	21.3	+1.0	18.5	19	0.0	0.0	- 92.1	0.0	..	0	- 2.3	2.6	1.4	-0.7	0	0	0	0	1	0	0	0	0	0
BAHRAICH	33.4	+1.3	36.0	12	21.5	+0.8	18.4	19	0.0	0.0	- 56.6	0.0	..	0	- 2.3	5.8	2.6	-1.1	0	0	0	0	0	0	0	0	0	0
NAUTANWA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
HARDOI	32.7	+0.5	38.2	14	21.1	+1.2	17.9	19	0.0	0.0	-112.0	0.0	..	0	- 2.6	3.5	2.8	-1.0	0	0	0	0	0	0	0	0	0	0
GONDA	32.8	+0.7	34.5	16	20.1	+0.1	17.1	21	0.0	26.2	- 28.7	26.2	11	1	- 1.3	3.4	2.7	-0.3	0	1	0	0	1	0	0	0	0	0
LUCKNOW	33.1	+0.3	35.0	06	21.1	+1.3	19.0	11	0.0	0.0	- 35.1	0.0	..	0	- 1.7	..	..	..	0	0	0	0	0	0	0	0	0	0
LUCKNOW (AMAUSI)	33.0	+1.3	37.7	18	20.1	+0.8	16.8	31	0.0	0.3	-100.1	0.3	24	0	- 3.4	7.6	5.0	-0.7	0	1	0	0	0	0	0	0	0	0
FAIZABAD	33.7	+2.4	35.0	10	21.7	+2.3	17.5	09	0.0	17.0	- 76.4	17.0	11	1	- 1.8	2.6	1.2	-1.0	0	1	0	0	1	0	0	0	0	0
GORAKHPUR	33.5	+1.3	35.1	10	20.8	-0.7	18.3	20	14.6	34.6	- 25.6	20.0	10	2	- 0.3	4.5	2.5	-0.2	0	3	0	0	0	0	0	0	0	0
KANPUR	34.2	+1.5	35.5	07	19.9	+0.3	17.9	22	0.0	0.0	- 30.2	0.0	..	0	- 1.5	9.0	5.8	-0.5	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																												
KANPUR(AERODROME)	34.2	..	35.5	04	20.3	..	17.5	31	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
SULTANPUR	33.0	+1.1	34.1	09	20.6	-0.3	18.8	22	17.5	17.5	- 82.5	17.5	11	1	- 2.6	2.0	1.6	-1.5	0	1	0	0	1	0	0	0	0	0
AZAMGARH	34.2	+1.5	35.4	17	21.1	+0.1	18.9	19	2.0	2.0	- 48.6	2.0	11	0	- 2.7	3.1	1.5	..	0	1	0	0	0	0	0	0	0	0
FATEHPUR	33.8	+1.0	35.0	16	19.9	-0.1	18.0	31	0.0	0.0	- 19.4	0.0	..	0	- 1.3	..	..	..	0	0	0	0	0	0	0	0	0	0
BALLIA	32.6	+0.3	34.9	18	22.0	+2.1	18.8	20	12.4	12.4	-118.3	12.4	11	1	- 3.5	4.0	2.0	-0.7	0	1	0	0	0	0	0	0	0	0
BANDA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
ALLAHABAD(BAMHRAULI)	34.5	+1.9	36.0	22	20.5	+0.1	19.0	22	0.0	0.3	- 34.0	0.3	11	0	- 2.0	2.2	0.9	-3.6	0	1	0	0	1	0	0	0	0	0
VARANASI(BABATPUR)	33.4	+1.2	34.8	22	20.5	-0.6	18.4	22	0.0	2.5	- 35.1	2.5	11	1	- 1.2	5.3	2.2	-4.1	0	1	0	0	1	0	0	0	0	0
VARANASI	33.6	+1.1	34.7	21	21.8	+1.1	19.7	22	0.0	22.4	- 28.9	20.2	01	1	- 1.3	3.4	2.9	-2.6	0	2	0	0	0	0	0	0	0	0
UTTAR PRADESH WEST																												
MUKHIM	21.3	+0.2	23.5	07	11.1	-0.7	9.2	28	55.6	108.1	+ 4.9	41.0	11	5	- 0.5	..	..	..	0	5	0	2	4	0	0	0	0	0
TEHRI	30.2	+0.7	32.0	07	15.0	-1.1	12.6	20	0.0	12.0	- 78.4	11.2	08	1	- 3.0	1.1	0.5	..	0	2	0	0	6	0	0	0	0	0
DEHRA DUN	29.2	+1.0	30.8	02	15.2	-0.9	12.9	20	11.0	12.0	- 29.9	9.6	11	1	- 1.1	3.1	4.1	+0.8	0	2	0	0	2	0	0	0	0	0
MANSIARI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
ROORKEE	32.5	+1.6	35.0	12	17.1	-0.1	12.7	19	0.0	0.0	- 25.9	0.0	..	0	- 1.0	4.9	3.0	-0.2	0	0	0	0	0	0	0	0	0	0
NAJIBABAD	31.8	+1.2	32.9	15	18.3	+0.7	14.9	18	0.0	0.0	-101.5	0.0	..	0	- 3.4	7.2	4.6	+0.9	0	0	0	0	0	0	0	0	0	0
MEERUT	34.0	+2.1	35.2	04	16.3	-2.2	13.5	22	..	0.0	- 23.9	0.0	..	0	- 0.9	.	4.2	-0.2	0	0	0	0	0	0	0	0	0	0
BAREILLY	32.8	+0.5	34.0	10	20.6	+1.1	17.5	19	0.0	0.0	- 34.8	0.0	..	0	- 1.1	4.0	3.4	+0.7	0	0	0	0	0	0	0	0	0	0
ALIGARH	34.2	+0.8	36.0	15	19.5	+0.5	17.5	19	0.0	0.0	- 9.9	0.0	..	0	- 0.6	5.7	3.8	-0.9	0	0	0	0	0	0	0	0	0	0
MAINPURI	34.5	+0.5	35.8	15	19.7	+0.8	16.8	31	0.0	0.0	- 22.6	0.0	..	0	- 1.0	..	..	..	0	0	0	0	0	0	0	0	0	0
AGRA	35.2	+1.9	36.5	12	20.1	+1.0	18.4	25	0.0	0.0	- 19.6	0.0	..	0	- 0.8	3.2	1.7	-1.5	0	0	0	0	0	0	0	0	0	0
AGRA AERODROME	35.1	..	36.7	15	18.8	..	16.0	31	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
OKAI	34.9	+2.1	36.3	15	19.6	-0.3	17.0	25	0.0	0.0	- 79.3	0.0	..	0	- 2.9	5.9	4.3	-2.0	0	0	0	0	0	0	0	0	0	0
JHANSI	35.2	+1.9	37.1	17	18.4	-1.1	16.9	21	0.0	0.0	- 25.7	0.0	..	0	- 1.2	2.9	2.7	-1.6	0	0	0	0	0	0	0	0	0	0
MORADABAD	31.7	..	32.6	01	19.8	..	16.6	20	0.0	0.0	..	0.0	..	0	..	2.1	2.7	..	0	0	0	0	0	0	0	0	0	0
UTTAR KASHI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
ASCOT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2.1	2.4	..	0	10	0	1	7	0	2	0	0	0
DHARCHULA	..	..	..	..	..	..	..	..	6.6	14.8	..	5.4	28	3	..	3.3	2.2	..	0	4	0	0	3	0	0	0	0	0
HARYANA(INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	32.6	+1.9	34.5	01	19.7	+3.1	14.6	20	0.0	0.0	- 81.9	0.0	..	0	- 3.6	..	..	..	0	0	0	0	1	0	0	0	0	0
AMBALA	31.7	-1.5	33.8	01	18.7	+2.3	14.8	19	0.0	0.0	- 22.6	0.0	..	0	- 1.0	7.5	6.3	+1.9	0	0	0	0	0	0	0	0	0	0
AMBALA AERODRUME	32.6	..	34.7	01	16.9	..	12.2	19	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
KARNAL	32.4	+0.9	33.8	01	18.5	+1.2	15.5	22	0.0	0.0	- 59.8	0.0	..	0	- 1.9	..	..	..	0	0	0	0	0	0	0	0	0	0
HISSAR	35.0	+0.4	37.0	01	19.1	+1.7	16.7	31	0.0	0.0	- 13.2	0.0	..	0	- 0.6	5.2	5.3	0.0	0	0	0	0	0	0	0	0	0	0
NEW DELHI/SAFDARJUNG	..	..	..	..	..	..	..	..	0.0	0.0	- 14.2	0.0	..	0	- 0.8	..	..	..	0	0	0	0	0	0	0	0	0	0
PALAM AERODROME	33.8	..	35.0	01	17.9	..	14.4	31	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
GURGAON	33.8	..	34.7	05	17.8	..	15.0	19	0.0	0.0	..	0.0	..	0	..	1.4	1.4	..	0	0	0	0	0	0	0	0	0	0
NARNAUL	35.7	..	38.8	26	17.5	..	14.4	25	0.0	0.0	..	0.0	..	0	..	11.0	9.3	..	0	0	0	0	0	0	0	0	0	0
ROHTAK	34.1	..	35.8	12	17.8	..	15.2	30	0.0	0.0	..	0.0	..	0	..	8.6	6.8	..	0	0	0	0	0	0	0	0	0	0
PUNJAB																												
PATHANKOT	31.8	+1.0	33.9	29	16.3	-0.6	11.6	18	23.6	23.6	- 91.7	23.6	03	1	- 1.8	..	..	..	0	1	0	0	2	0	1	0	0	0
AMRITSAR	32.9	+1.0	35.0	01	18.5	+1.9	14.2	21	0.4	0.4	- 41.4	0.4	16	0	- 1.4	..	..	..	0	1	0	0	1	0	1	0	0	0
ADAMPUR AERODROME	33.0	..	34.8	01	15.4	..	11.2	31	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	2	0	0	0	0	0
LUDHIANA	34.0	+0.1	35.9	01	19.6	+2.1	16.4	18	0.0	0.0	- 11.4	0.0	..	0	- 0.8	5.4	3.6	+1.4	0	0	0	0	0	0	0	0	0	0
FEROZEPUR	33.0	+0.1	35.4	01	16.9	0.0	14.0	20	0.0	0.0	- 22.8	0.0	..	0	- 1.1	2.4	1.8	+0.3	0	0	0	0	0	0	1	0	0	0
HALWARA AERODROME	33.6	..	36.0	24	17.4	..	12.8	18	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	1	0	0	0	0	0
PATIALA	32.3	-0.1	34.3	01	19.2	+1.4	15.2	19	0.0	0.0	- 16.0	0.0	..	0	- 0.9	8.8	7.5	+1.3	0	0	0	0	0	0	0	0	0	0
BHATINDA	33.9	-0.3	35.9	13	18.2	+1.3	15.5	18	0.0	0.0	- 6.6	0.0	..	0	- 0.6	5.2	3.3	-0.4	0	0	0	0	0	0	0	0	0	0
HIMACHAL PRADESH																												
MANDI	29.7	+1.8	30.5	01	..	..	..	..	6.3	12.5	- 76.1	6.3	03	2	- 3.0	..	..	..	0	2	0	0	0	0	0	0	0	0
BILASPUR	30.6	+0.8	31.5	05	16.5	+1.4	13.4	19	0.0	10.0	- 62.7	10.0	11	1	- 2.1	4.1	3.5	+0.7	0	1	0	0	0	0	0	0	0	0
JAMMU AND KASHMIR																												
MISGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GILGIT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SKARDU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DRAS	..	..	..	..	..	..	..	..	..	1.0	- 57.4	0.3	04	0	- 4.8	..	..	..	2	2	0	0	0	0	0	0	0	0
SONAMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
LEH	21.1	-1.5	29.7	01	7.5	+1.8	4.9	26	25.5	71.3	+ 43.6	21.6	28	4	+ 1.6	4.4	3.4	+0.1	1	7	0	0	4	0	0	0	0	0
SRINAGAR	20.6	..	28.1	01	7.5	..	4.4	26	24.2	58.9	..	17.0	12	4	..	..	..	..	0	5	0	0	4	0	0	0	0	0
SRINAGAR AERODRUME	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — OCTOBER ;1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD)																												
GULMARG																												
QAZIGUND	23.1	..	29.6	27	10.6	..	7.1	17	10.0	29.6	..	13.0	29	4	..	..	..	..	0	7	0	0	4	0	0	0	0	0
BANIHAL	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
JAMMU	31.8	..	34.2	02	18.8	..	13.5	31	3.9	38.6	..	34.7	02	2	..	..	..	..	0	2	0	0	5	0	1	0	0	0
JAMMU AERODROME	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GULMARG (RESEARCH INSTITUTE)	13.0	..	20.4	01	2.2	..	- 1.1	31	33.3	121.4	..	35.0	28	6	..	..	..	..	1	7	3	1	3	5	0	0	0	0
RAJASTHAN, WEST																												
GANGANAGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ANUPGARH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
CHURU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BIKANER	37.1	+1.8	39.2	11	20.6	+2.0	17.1	26	7.7	7.7	+ 0.6	7.2	15	1	+ 0.6	9.9	6.9	+1.6	0	2	0	1	2	0	0	0	0	0
NAGAUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
PHALODI	37.8	+2.6	39.9	10	21.9	+2.2	19.9	12	0.0	0.0	- 2.0	0.0	..	0	- 0.1	12.4	10.6	-1.0	0	0	0	0	0	0	0	0	0	0
JAISALMER	37.9	+1.8	40.4	10	21.8	+1.7	19.0	26	0.0	0.0	- 0.8	0.0	..	0	- 0.2	12.6	8.4	-0.1	0	0	0	0	0	0	0	0	0	0
JODHPUR	38.5	+2.8	41.2	11	21.6	+2.0	18.4	31	..	0.0	- 7.6	0.0	..	0	- 0.5	..	..	..	0	0	0	0	0	0	0	0	0	0
BARMER	38.3	+2.3	40.8	10	24.5	+2.8	22.2	13	0.0	0.0	- 1.3	0.0	..	0	- 0.2	8.4	7.5	+0.3	0	0	0	0	0	0	0	0	0	0
ERINPURA (JAWAI DAM)	38.2	+4.7	40.6	09	23.0	+2.0	19.8	30	0.0	0.0	- 21.3	0.0	..	0	- 1.9	3.1	3.2	-2.7	0	0	0	0	0	0	0	0	0	0
JALORE	38.0	..	40.4	11	..	..	..	..	0.0	0.0	..	0.0	..	0	..	7.6	6.6	..	0	0	0	0	0	0	0	0	0	0
RAJASTHAN, EAST																												
PILANI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SIKAR	35.1	+2.0	37.1	24	17.8	+0.7	14.6	30	0.0	0.0	- 19.5	0.0	..	0	- 1.0	2.4	1.7	-3.4	0	0	0	0	0	0	0	0	0	0
ALWAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
JAIPUR (SANGANER)	35.3	+2.1	37.1	24	19.0	+0.7	15.6	19	0.0	0.0	- 14.2	0.0	..	0	- 0.7	..	..	..	0	0	0	0	0	0	0	0	0	0
DHOLPUR	36.2	+3.6	38.9	19	16.9	-2.4	14.5	13	0.0	0.0	- 80.1	0.0	..	0	- 3.8	3.8	2.4	-1.0	0	0	0	0	0	0	0	0	0	0
AJMER	35.9	+3.0	38.5	22	20.1	+2.3	17.2	31	0.0	2.0	- 7.4	2.0	04	0	- 0.7	4.7	4.2	+0.2	0	1	0	0	0	0	0	0	0	0
TONK	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BHILWARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
KOTA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
KOTA AERODROME	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
CHAMBAL (RAWAT BHATTA DAM)	35.6	+3.1	37.1	22	18.0	+0.5	16.5	27	0.0	0.0	- 49.3	0.0	..	0	- 3.0	5.1	2.5	-1.4	0	0	0	0	0	0	0	0	0	0
UDAIPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
JHALAWAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BANSWARA	35.5	..	37.2	27	19.1	..	17.1	14	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
DUNGARPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BUNDI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SAWAI MADHOPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
MADHYA PRADESH, WEST																												
GWALIOR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
SHEOPUR	35.5	+2.6	37.0	21	17.7	-0.7	15.4	21	0.0	0.0	- 39.3	0.0	..	0	- 1.4	6.0	5.4	+0.5	0	0	0	0	0	0	0	0	0	0
SHIVPURI	33.4	..	35.0	21	14.4	..	12.9	26	0.0	0.0	..	0.0	..	0	..	8.0	5.5	..	0	0	0	0	0	0	0	0	0	0
NOWGONG	34.8	+1.9	36.7	15	18.0	+0.2	15.1	21	0.0	1.4	- 23.0	1.4	06	0	- 1.4	5.2	3.1	+0.2	0	1	0	0	0	0	0	0	0	0
GUNA	33.9	+1.9	35.5	25	16.7	-0.4	14.0	26	0.0	0.0	- 19.8	0.0	..	0	- 1.3	8.1	4.9	+1.0	0	0	0	0	0	0	0	0	0	0
NIMACH	34.6	+2.1	36.2	21	19.5	+0.9	17.7	26	0.0	0.0	- 18.0	0.0	..	0	- 1.1	6.2	5.5	-0.1	0	0	0	0	0	0	0	0	0	0
RAJGARH	35.5	+3.1	36.7	22	17.7	+0.2	15.7	31	0.0	0.0	- 34.4	0.0	..	0	- 1.7	7.1	4.4	-0.8	0	0	0	0	0	0	0	0	0	0
SAGAR	37.9	+7.4	39.9	12	21.2	+2.0	18.7	04	0.0	0.0	- 27.2	0.0	..	0	- 1.9	11.1	9.5	+2.4	0	0	0	0	0	0	0	0	0	0
RATLAM	35.0	+2.7	36.6	22	18.7	-0.4	17.3	28	0.0	0.0	- 48.1	0.0	..	0	- 2.0	6.5	4.3	-1.6	0	0	0	0	0	0	0	0	0	0
BHOPAL (BAIRAGARH)	33.4	+2.1	34.9	22	17.7	-0.3	15.4	22	0.0	0.0	- 31.7	0.0	..	0	- 1.7	6.7	3.9	-1.1	0	0	7	0	0	0	0	0	0	0
UJJAIN	34.2	..	35.5	23	16.2	..	13.0	26	0.0	0.0	..	0.0	..	0	..	3.9	2.0	..	0	0	0	0	0	0	0	0	0	0
NARSINGHPUR	33.4	..	35.0	14	16.4	..	13.6	07	0.0	0.0	..	0.0	..	0	..	2.7	1.2	..	0	0	0	0	0	0	0	0	0	0
HOSHANGABAD	34.5	+2.4	36.2	22	18.6	-0.9	15.8	31	0.0	0.0	- 28.5	0.0	..	0	- 1.6	1.5	2.1	-1.0	0	0	0	0	0	0	0	0	0	0
INDORE	33.5	+2.4	35.0	13	17.4	+0.2	15.1	22	0.0	0.0	- 33.0	0.0	..	0	- 1.8	6.4	4.2	-5.6	0	0	0	0	0	0	0	0	0	0
RAJPUR (JHABUA)	35.3	+2.7	36.5	22	18.0	-0.6	15.4	26	0.0	0.0	- 71.6	0.0	..	0	- 3.3	4.7	2.8	-1.0	0	0	0	0	0	0	0	0	0	0
CHHINDWARA	32.0	+2.7	33.6	22	15.9	-1.8	13.5	26	0.0	0.0	- 69.1	0.0	..	0	- 4.3	..	..	..	0	0	0	0	0	0	0	0	0	0
SEONI	32.1	+2.4	34.1	22	17.9	-0.5	16.3	06	0.0	0.0	- 64.3	0.0	..	0	- 3.5	8.2	4.3	-1.1	0	0	0	0	0	0	0	0	0	0
BETUL	31.2	+1.9	32.7	23	15.6	-1.6	13.5	22	0.0	0.0	- 62.7	0.0	..	0	- 4.0	5.6	2.9	-1.3	0	0	0	0	0	0	0	0	0	0
KHANDWA	36.4	+3.0	38.0	19	17.1	-1.8	15.0	25	0.0	0.0	- 38.3	0.0	..	0	- 1.8	5.4	3.1	-2.2	0	0	0	0	0	0	0	0	0	0
TIKAMGARH	33.6	..	35.1	21	16.6	..	14.2	22	0.0	0.0	..	0.0	..	0	..	4.3	3.2	..	0	0	0	0	0	0	0	0	0	0
SHAJAPUR	33.9	..	35.0	22	16.2	..	13.9	26	0.0	0.0	..	0.0	..	0	..	2.7	1.7	..	0	0	0	0	0	0	0	0	0	0
KANNOD	34.1	..	35.6	24	17.6	..	14.6	27	0.0	0.0	..	0.0	..	0	..	3.5	2.5	..	0	0	0	0	0	0	0	0	0	0
[illegible]	35.6	..	37.2	10	18.0	..	15.2	27	0.0	0.0	..	0.0	..	0	..	4.9	3.7	..	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Duststorm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
MADHYA PRADESH,EAST																												
SATNA	33.3	+1.5	34.8	21	19.5	+0.7	17.6	29	0.0	0.0	- 38.1	0.0	..	0	- 2.2	4.7	3.1	-0.2	0	0	0	0	0	0	0	0	0	0
REWA	32.6	..	34.4	22	20.0	..	17.9	29	0.0	0.0	..	0.0	..	0	..	4.9	2.3	..	0	0	0	0	0	0	0	0	0	0
SIDHI	33.8	+2.3	34.8	16	19.1	0.0	17.2	22	0.0	0.0	- 38.2	0.0	..	0	- 2.2	2.1	1.4	-2.3	0	0	0	0	0	0	0	0	0	0
UMARIA	32.7	+2.1	34.5	22	16.9	-0.7	14.8	21	0.0	0.0	- 47.3	0.0	..	0	- 2.7	3.5	1.7	-1.2	0	0	0	0	0	0	0	0	0	0
JABALPUR	33.5	+2.1	35.5	21	18.3	-0.1	15.6	31	0.0	0.0	- 46.5	0.0	..	0	- 2.4	5.8	3.5	0.0	0	0	0	0	0	0	0	0	0	0
AMBIKAPUR	30.1	+1.1	32.0	23	17.1	-0.9	14.5	31	0.0	17.8	- 29.4	17.8	10	1	- 3.3	6.8	4.9	-1.8	0	1	0	0	0	1	0	0	0	0
JASHPURNAGAR	28.3	..	30.6	22	16.0	..	13.7	22	63.4	69.8	..	65.0	09	2	..	4.1	1.9	..	0	2	0	0	0	0	0	0	0	0
PENDRA	29.8	+1.3	31.3	23	18.4	0.0	16.1	26	0.0	16.0	- 62.0	16.0	10	1	- 3.1	5.1	3.4	-0.7	0	1	0	0	0	0	0	0	0	0
MANDLA	29.7	-0.8	32.2	03	16.3	-1.3	13.0	31	0.0	0.0	- 65.5	0.0	..	0	- 3.7	3.6	1.7	-0.4	0	0	0	0	0	3	0	0	0	0
CHAMPA	32.4	+1.0	34.6	21	20.6	-1.4	18.5	31	1.3	1.9	- 57.6	1.9	09	0	- 4.6	3.8	3.0	-0.9	0	1	0	0	2	0	0	0	0	0
RAIGARH	33.2	+1.3	35.0	21	21.5	-0.8	18.9	31	11.4	23.4	- 33.5	11.4	08	2	- 2.3	4.9	3.5	-0.9	0	3	0	0	0	0	0	0	0	0
RAIPUR	32.2	+1.0	34.8	22	20.7	-0.8	18.6	24	0.6	12.7	- 39.6	10.0	08	1	- 2.2	6.6	3.9	-2.1	0	3	0	0	0	0	0	0	0	0
KANKER	31.1	+0.9	33.1	22	19.4	-0.7	14.2	20	0.4	14.0	- 78.2	13.0	09	1	- 3.5	4.5	3.1	-0.4	0	3	0	0	0	0	0	0	0	0
JAGDALPUR	30.4	+0.9	32.3	02	19.9	0.0	16.6	29	5.4	68.2	- 41.8	60.5	08	2	- 4.0	6.1	2.9	-0.8	0	5	0	0	3	0	0	0	0	0
GUJARAT REGION(INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																												
DEESA	38.0	+2.3	39.9	22	20.7	+1.4	18.5	13	0.0	0.0	- 8.9	0.0	..	0	- 0.6	8.6	5.8	..	0	0	0	0	0	0	0	0	0	0
RADHANPUR	38.0	+2.5	40.2	22	21.6	+2.3	18.0	13	..	0.0	- 11.3	0.0	..	0	- 0.6	.	4.3	+0.2	0	0	0	0	0	0	0	0	0	0
IDAR	36.8	+3.2	38.7	10	21.3	+0.6	18.8	29	0.0	0.0	- 69.7	0.0	..	0	- 1.7	5.4	3.1	-2.5	0	0	0	0	0	0	0	0	0	0
AHMADABAD	37.4	+1.8	39.2	23	20.8	-0.4	19.2	26	0.0	0.0	- 9.4	0.0	..	0	- 0.7	4.4	2.7	-1.9	0	0	0	0	0	0	0	0	0	0
DOHAD	35.2	+1.9	37.5	22	19.0	-1.0	17.7	27	0.0	0.0	- 31.1	0.0	..	0	- 1.6	6.3	6.0	-2.7	0	0	0	0	0	0	0	0	0	0
VALLABH VIDYANAGAR	36.7	..	38.8	11	19.5	..	17.4	13	0.0	0.0	..	0.0	..	0	..	4.8	3.4	..	0	0	0	0	0	0	0	0	0	0
BARODA AERODROME	36.9	+2.0	38.4	10	20.1	-1.3	18.2	31	0.0	0.0	- 37.5	0.0	..	0	- 2.0	7.8	6.5	+0.1	0	0	0	0	0	1	0	0	0	0
BARODA	36.8	+1.8	38.7	10	20.9	+1.0	19.2	27	0.0	0.0	- 29.2	0.0	..	0	- 1.5	2.9	1.8	-1.1	0	0	0	0	0	0	0	0	0	0
BROACH	36.4	+0.5	38.3	12	20.4	-1.7	18.0	15	0.0	0.0	- 55.7	0.0	..	0	- 2.5	6.8	6.2	+1.0	0	0	0	0	0	0	0	0	0	0
SURAT	37.3	+1.8	39.0	10	22.2	-0.9	20.6	27	..	0.0	- 33.5	0.0	..	0	- 1.8	.	6.4	+0.5	0	0	0	0	0	2	0	0	0	0
SAURASHTRA AND KUTCH(INCLUDING DIU)																												
NALIYA	35.7	+2.2	40.2	22	20.7	+1.3	12.4	12	0.0	0.0	- 12.1	0.0	..	0	- 0.8	15.5	11.0	+2.8	0	0	0	0	0	1	0	0	0	0
BHUJ(RUDRAMATA)	38.0	+2.4	40.2	22	22.9	+1.4	19.6	29	0.0	0.0	- 10.2	0.0	..	0	- 0.5	10.9	9.6	+1.0	0	0	0	0	0	1	0	0	0	0
KANDLA AERODROME	38.0	..	40.3	10	23.8	..	20.2	13	0.0	0.0	..	0.0	..	0	..	16.6	16.0	..	0	0	0	0	0	0	0	0	0	0
NEW KANDLA	36.2	+2.5	39.1	09	24.9	+1.3	22.0	15	0.0	0.0	- 19.4	0.0	..	0	- 1.0	12.7	12.6	+0.6	0	0	0	0	0	0	0	0	0	0
MANDVI	32.6	+0.7	39.4	10	22.5	-0.3	19.6	29	0.0	0.0	- 13.4	0.0	..	0	- 1.5	20.6	17.8	+0.9	0	0	0	0	0	0	0	0	0	0
SURENDRANAGAR	38.4	+3.6	40.2	10	24.1	+1.7	21.6	03	0.0	0.0	- 24.3	0.0	..	0	- 1.9	7.9	7.0	-1.1	0	0	0	0	0	0	0	0	0	0
OKHA	29.5	..	31.0	23	23.4	..	21.3	12	0.0	0.0	..	0.0	..	0	..	12.7	13.3	..	0	0	0	0	0	0	0	0	0	0
JAMNAGAR AERODROME	36.0	+1.6	38.7	09	21.1	-0.4	19.1	28	0.0	0.0	- 7.4	0.0	..	0	- 0.5	..	..	..	0	0	0	0	0	0	0	0	0	0
DWARKA	30.8	+0.1	34.8	21	24.1	+0.2	21.3	28	0.0	0.0	- 5.3	0.0	..	0	- 0.3	12.8	10.5	-1.3	0	0	0	0	0	0	0	0	0	0
RAJKOT	37.7	+2.3	39.7	28	21.7	+0.8	18.8	13	0.0	0.0	- 67.2	0.0	..	0	- 2.6	13.8	12.5	+0.4	0	0	0	0	0	2	0	0	0	0
BHAVNAGAR AERODROME	35.8	+1.6	38.2	11	21.4	-1.1	19.7	30	0.0	0.0	- 68.1	0.0	..	0	- 1.4	16.9	13.3	+5.6	0	0	0	0	0	0	0	0	0	0
PORBANDER AERODROME	35.8	+3.3	39.5	18	21.9	-1.3	19.2	12	0.0	0.0	- 49.9	0.0	..	0	- 1.9	14.9	9.6	..	0	0	0	0	0	1	0	0	0	0
KESHOD	37.3	+2.8	39.4	11	20.4	+0.7	18.3	12	13.0	13.0	- 42.1	13.0	20	1	- 1.6	15.5	11.8	-0.2	0	1	0	0	1	1	0	0	0	0
MAHUVA	35.0	..	37.8	10	15.1	..	12.8	27	0.0	0.0	- 62.3	0.0	..	0	- 1.3	5.6	4.6	..	0	0	0	0	0	0	0	0	0	0
VERAVAL	34.2	+1.4	39.5	10	21.2	-1.1	19.6	12	0.0	0.0	- 14.0	0.0	..	0	- 0.7	16.3	12.3	+0.2	0	0	0	0	0	0	0	0	0	0
DIU	32.6	..	37.6	10	22.8	..	19.6	12	0.0	0.0	..	0.0	..	0	..	1.8	1.4	..	0	0	0	0	0	0	0	0	0	0
KONKAN(INCLUDING GOA)																												
DAHANU	31.9	+0.2	37.6	27	18.8	-4.2	11.0	10	0.0	3.2	- 57.8	3.2	19	1	- 1.8	15.3	10.0	-0.8	0	1	0	0	0	0	0	0	0	0
BOMBAY(SANTACRUZ)	34.5	+2.1	37.2	26	22.8	-0.1	21.0	24	4.0	5.5	- 97.5	5.5	20	1	- 2.9	11.6	7.5	-0.1	0	1	0	0	0	0	0	0	0	0
BOMBAY	32.7	+0.8	36.0	07	24.5	-0.1	22.5	19	0.0	0.0	- 64.5	0.0	..	0	- 3.0	10.4	8.3	-0.2	0	0	0	0	1	0	0	0	0	0
ALIBAG	32.7	+1.5	35.5	17	23.1	-0.5	20.4	31	..	0.1	- 95.2	0.1	19	0	- 4.1	.	7.6	+0.4	1	0	0	0	0	0	0	0	0	0
BHIRA	36.4	..	39.5	10	19.7	..	16.8	23	1.8	1.8	..	1.4	11	0	..	3.7	2.4	..	0	2	0	0	1	0	0	0	0	0
HARNAI	30.8	+1.0	35.6	25	..	..	..	..	0.0	40.0	- 52.2	28.8	20	2	- 2.1	14.8	11.6	+1.3	0	3	0	0	0	0	0	0	0	0
RATNAGIRI	32.2	+1.4	37.0	10	23.7	+0.1	21.4	24	29.5	37.6	- 66.3	37.6	20	1	- 4.2	12.3	8.4	..	0	1	0	0	0	0	0	0	0	0
DEVGARH	31.2	+0.8	34.3	16	23.9	-0.2	21.9	28	41.0	54.0	- 73.4	39.6	28	4	- 2.5	13.5	9.7	-1.2	0	5	0	0	0	0	0	0	0	0
VENGURLA	31.7	+0.8	34.9	16	22.8	-0.5	19.8	31	28.3	51.7	- 86.9	12.7	20	7	- 1.3	8.5	5.1	..	0	9	0	0	10	0	0	0	0	0
PANJIM	31.7	..	34.7	06	23.8	..	22.0	30	6.1	41.2	..	16.3	19	6	..	12.0	9.4	..	1	9	0	0	5	4	0	0	0	0
MORMUGAO	30.4	+0.6	33.2	30	24.4	+0.5	23.2	31	0.0	30.5	-101.2	11.5	19	4	- 2.3	10.9	8.7	-0.9	1	4	0	0	7	2	0	0	0	0
DABOLIM(NAVAL AIR STN.)	31.4	..	35.3	15	..	..	..	..	21.2	49.4	..	21.2	13	3	..	8.3	5.4	..	0	7	0	0	8	3	0	0	0	0
MADHYA MAHARASHTRA																												
NANDURBAR	36.2	+2.0	38.2	23	20.9	-0.9	16.0	12	..	2.6	- 56.4	2.6	01	1	- 1.8	9.8	7.5	+2.4	0	1	0	0	0	0	0	0	0	0
JALGAON	36.0	+1.9	37.4	10	17.3	-1.9	14.2	22	0.0	0.0	- 37.5	0.0	..	0	- 1.8	9.4	7.2	+0.8	0	0	0	0	0	0	0	0	0	0
MALEGAON	34.2	+1.5	36.4	11	16.3	-2.5	13.8	26	0.0	0.0	- 37.9	0.0	..	0	- 2.6	8.4	5.6	-0.3	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD.)																												
OZAR	33.1	..	34.5	11	16.0	..	13.6	28	0.0	0.0	..	0.0	..	0	..	11.0	7.2	..	0	0	0	0	0	0	0	0	0	0
AHMADNAGAR	34.0	+2.8	36.5	13	18.9	-0.2	15.0	27	7.5	8.7	- 49.0	7.1	19	1	- 2.5	10.6	6.4	-0.3	0	3	0	0	0	0	0	0	0	0
KHANDALA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
POONA AERODROME	33.3	..	35.0	10	18.6	..	15.0	24	0.0	22.0	..	21.8	20	1	..	..	..	..	1	1	0	0	0	0	0	0	0	0
POONA	32.9	+2.1	34.6	14	17.6	-1.0	13.6	24	0.0	6.3	- 69.9	6.2	20	1	- 3.9	7.2	3.5	..	1	1	0	0	1	1	0	0	0	0
JEUR	32.6	+0.8	35.7	13	18.5	-1.1	15.1	31	3.5	6.7	- 76.3	3.2	19	1	- 3.6	10.7	7.0	0.0	0	4	0	0	0	0	0	0	0	0
BARAMATI	33.6	+2.2	49.3	31	19.9	+0.2	16.0	31	24.4	35.4	- 59.2	17.4	18	3	- 2.1	9.3	6.7	-1.5	0	6	0	0	0	0	0	0	0	0
SHOLAPUR	32.6	+0.3	35.9	12	20.6	0.0	17.3	31	20.3	73.4	+ 3.5	47.6	26	4	- 0.1	13.7	9.1	+0.6	0	5	0	0	1	0	0	0	0	0
MIRAJ	31.8	+0.8	35.4	12	19.9	-0.2	16.9	30	20.2	65.8	- 30.0	27.0	26	5	- 1.1	..	..	..	0	5	0	0	0	0	0	0	0	0
KOLHAPUR	31.8	+1.5	34.6	05	20.1	0.0	16.4	31	33.0	54.8	- 77.8	22.4	20	6	- 1.9	12.7	7.5	-1.2	0	6	0	0	2	0	0	0	0	0
NASIK	31.0	..	32.0	17	..	..	..	..	..	12.0	..	10.0	04	1	..	..	..	..	0	2	0	0	0	0	0	0	0	0
SANGLI	32.6	..	39.2	02	20.1	..	16.2	31	39.0	54.6	..	19.4	20	5	..	9.9	6.3	..	0	6	0	0	0	0	0	0	0	0
SATARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MARATHWADA																												
AURANGABAD	33.9	+2.3	35.8	13	19.1	-0.5	17.2	31	1.2	1.2	- 46.8	1.2	19	0	- 3.0	9.4	7.0	-1.4	0	1	0	0	0	0	0	0	0	0
AURANGABAD(CHIKALTHAN)	33.3	+2.1	35.0	13	15.6	-2.2	12.8	27	2.2	2.2	- 55.9	2.2	03	0	- 3.3	13.8	8.3	-0.6	0	1	0	0	0	0	0	0	0	0
PARBHANI	32.9	+1.0	35.5	13	18.9	-0.6	17.0	23	52.8	56.6	+ 7.6	52.8	18	2	- 1.2	10.1	5.5	-1.2	0	2	0	0	0	0	0	0	0	0
NANDER	33.8	..	36.1	13	19.1	..	15.4	31	6.0	18.8	..	12.8	18	2	..	7.8	4.5	..	0	2	0	0	0	0	0	0	0	0
BIR	33.2	..	35.0	13	17.7	..	14.5	30	9.4	12.0	..	9.4	17	1	..	7.5	3.3	..	1	2	0	0	0	0	0	0	0	0
VIDARBHA																												
GONDIA	32.8	+1.8	34.0	21	20.2	-1.0	17.2	30	0.0	0.0	- 68.5	0.0	..	0	- 3.9	1.2	0.9	-2.1	0	0	0	0	0	0	0	0	0	0
NAGPUR(SONEGAON)	33.3	+1.4	35.2	23	18.7	-1.3	14.8	31	2.4	2.7	- 51.9	2.4	18	0	- 3.2	8.1	6.7	-1.4	0	2	0	0	0	0	0	0	0	0
AMRAOTI	34.3	+2.2	36.0	13	20.4	-0.4	19.0	26	0.0	0.0	- 44.2	0.0	..	0	- 2.5	10.1	7.8	+0.1	0	0	0	0	0	0	0	0	0	0
AKOLA AERODROME	35.0	..	36.5	14	17.3	..	14.9	23	0.0	0.0	..	0.0	..	0	..	10.5	8.0	..	0	0	0	0	0	0	0	0	0	0
AKOLA	34.8	+1.5	36.6	15	18.2	-1.8	13.8	17	0.0	0.0	- 37.3	0.0	..	0	- 2.3	5.7	4.2	-1.0	0	0	0	0	0	0	0	0	0	0
BRAMHAPURI	32.7	+1.1	34.6	22	20.2	-1.1	16.6	30	1.8	4.4	- 60.2	2.6	17	1	- 3.7	5.7	3.2	-0.7	0	2	0	0	0	0	0	0	0	0
BULDANA	32.1	+2.3	33.9	13	20.3	-0.2	17.8	17	0.0	0.0	- 42.8	0.0	..	0	- 2.7	8.5	5.9	-0.5	0	0	0	0	0	0	0	0	0	0
YEOTMAL	32.8	+2.0	35.5	13	20.1	0.0	17.6	18	10.2	10.2	- 43.4	10.2	18	1	- 2.5	7.9	5.9	-1.3	0	1	0	0	0	0	0	0	0	0
CHANDRAPUR	32.2	+0.6	34.1	22	20.2	-0.5	17.2	31	0.7	6.8	- 49.6	6.3	17	1	- 1.8	6.1	3.3	-0.1	1	2	0	0	1	0	0	0	0	0
PUSAD	33.8	..	35.6	13	21.5	..	20.4	12	24.0	24.2	..	24.0	18	1	..	6.7	4.1	..	1	1	0	0	0	0	0	0	0	0
SIRONCHA	32.9	+0.8	34.6	23	21.8	-1.1	19.0	30	14.0	16.6	- 77.7	11.0	08	1	- 4.9	6.3	3.5	-0.5	0	5	0	0	0	0	0	0	0	0
WARDHA	33.5	..	35.2	13	19.4	..	17.2	31	5.0	5.6	..	5.6	18	1	..	6.5	4.9	..	0	1	0	0	0	0	0	0	0	0
BHANDARA	33.1	..	34.8	22	20.3	..	17.6	30	2.4	2.4	..	2.4	18	0	..	5.7	3.7	..	0	1	0	0	0	0	0	0	0	0
COASTAL ANDHRA PRADESH																												
KALINGAPATAM	31.0	+0.3	34.8	01	22.2	-2.3	20.0	31	108.6	191.4	- 9.8	76.8	24	8	+ 0.6	9.4	6.1	-3.9	0	10	0	0	4	0	0	0	0	0
VISHAKHAPATNAM	32.1	+1.2	35.3	01	24.1	-0.4	21.2	29	88.0	173.9	- 38.2	54.0	17	11	+ 2.9	13.0	7.4	-0.7	0	16	0	0	10	0	0	0	2	0
KAKINADA	31.4	+0.6	36.4	02	24.5	0.0	22.5	31	118.4	340.3	+102.6	81.4	24	10	+ 1.3	13.1	9.9	+0.4	0	14	0	0	0	0	0	0	0	0
NIDADAVOLE	31.5	+0.7	35.5	01	23.7	-0.1	22.0	31	41.6	114.8	- 77.7	31.6	16	8	- 3.5	9.6	6.7	+0.6	0	9	0	0	0	0	0	0	0	0
RENTACHINTALA	32.4	-0.5	37.5	07	23.5	+0.3	21.0	31	69.0	133.6	+ 9.7	62.0	17	5	- 1.7	2.7	2.5	-2.3	0	6	0	0	1	0	0	0	0	0
GANNAVARAM	31.5	0.0	37.3	04	23.7	-0.5	21.5	17	228.7	419.7	+275.7	171.6	17	10	+ 2.2	12.8	9.6	+0.6	1	13	0	0	11	0	0	0	0	0
MASULIPATAM	30.7	-0.1	34.3	02	22.9	-2.0	20.2	18	262.0	462.1	+227.7	209.4	17	10	+ 1.9	5.2	3.6	-4.1	0	11	0	0	8	0	0	0	0	0
ONGOLE	31.6	-0.1	38.1	01	24.3	-0.4	22.4	18	129.8	589.9	+387.9	180.4	16	11	+ 1.4	..	..	..	0	13	0	0	1	0	0	0	0	0
NELLORE	31.2	-1.3	37.9	02	..	..	..	..	229.1	648.1	+381.9	160.2	16	16	+ 7.3	..	..	..	0	18	0	0	5	0	0	0	0	0
VISHAKHAPATNAM(SOLAR)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
TELANGANA																												
RAMGUNDAM	33.1	+0.6	35.6	19	20.7	-2.1	17.4	31	24.4	24.7	- 56.8	13.5	08	3	- 1.5	7.6	4.1	-0.3	0	5	0	0	0	0	0	0	0	0
NIZAMABAD	32.2	+0.7	34.2	01	20.4	-0.2	17.3	31	8.0	20.7	- 30.9	15.2	17	2	- 1.1	..	..	..	0	3	0	0	0	0	0	0	0	0
MANAMKONDA	31.0	-0.7	34.0	03	20.7	-1.5	18.1	31	8.8	71.2	+ 3.4	33.4	25	4	0.0	7.5	4.9	-1.2	0	6	0	0	6	0	0	0	0	0
HAKIMPET AERODROME	30.1	..	32.7	03	20.5	..	18.1	23	18.0	31.0	..	14.2	17	3	..	..	..	..	1	5	0	0	3	0	0	0	0	0
BHADRACHALLAM	32.1	+0.1	34.8	02	23.1	+0.1	20.8	31	73.0	162.3	+ 52.2	67.3	10	7	- 0.4	5.4	3.3	-1.1	0	9	0	0	2	4	0	0	0	0
HYDERABAD(BEGAMPET)	30.8	+0.5	33.3	05	19.4	-0.4	15.5	31	27.2	32.1	- 32.7	16.2	17	4	- 0.1	12.1	7.6	-1.3	1	6	0	0	2	0	0	0	0	0
KHAMMAM	31.8	-0.7	34.7	04	22.8	-0.1	20.2	17	138.4	244.8	+136.3	109.0	25	11	+ 4.4	2.9	2.2	-2.2	0	11	0	0	2	0	0	0	0	0
NAMBUBNAGAR	29.7	-0.7	34.2	02	21.2	-0.1	18.5	29	24.2	41.4	- 60.9	12.2	17	4	- 2.5	13.8	9.5	+0.9	0	8	0	0	0	0	0	0	0	0
RAYALASEEMA																												
KURNOOL	32.6	+0.2	35.5	05	22.0	-0.4	16.8	31	22.7	47.1	31.4	14.2	17	5	+ 0.2	7.3	4.3	-1.7	0	9	0	0	0	0	0	0	0	0
NANDYL	32.2	..	35.1	01	24.7	..	22.0	16	59.4	86.4	..	48.6	17	4	..	8.9	5.9	..	1	6	0	0	0	0	0	0	0	0
ANANTAPUR	31.6	+0.2	35.5	04	23.1	+0.6	20.2	31	38.1	152.9	+ 53.6	44.5	28	9	+ 3.7	11.3	9.2	+1.3	0	10	0	0	4	0	0	0	0	0
CUDDAPAH	32.3	-0.2	38.2	03	24.2	+0.3	21.6	16	81.8	267.2	+159.5	85.6	16	9	+ 2.5	..	..	..	0	10	0	0	0	0	0	0	0	0
AROGYAVARAM	28.3	0.0	33.0	04	19.0	-1.1	15.8	31	29.5	275.0	+122.9	60.0	16	11	+ 3.1	9.5	6.8	+1.0	0	13	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - OCTOBER ,1969ASWINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with											
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
TAMIL NADU(INCLUDING PONDICHERRY)																												
MADRAS	30.9	-0.6	36.9	01	23.5	-0.9	20.5	24	538.6	540.2	+251.5	217.2	22	13	+ 2.5	8.1	5.8	+0.6	0	18	0	0	4	0	0	0	0	0
MADRAS(MINAMBAKKAM)	31.0	-0.8	36.8	01	24.2	-0.2	21.4	24	179.3	540.7	+234.9	229.4	22	16	+ 5.6	10.5	7.5	-1.7	0	20	0	0	14	1	0	0	2	0
VELLORE	31.1	-0.7	37.0	04	22.7	-0.3	19.7	23	123.5	471.3	+298.3	104.6	27	12	+ 2.7	3.7	5.1	+0.2	0	15	0	0	9	0	0	0	0	0
TAMBARAM AERODROME	31.9	..	38.8	01	24.0	..	21.1	24	327.2	826.8	..	294.1	22	15	..	..	..	..	0	17	0	0	17	1	0	0	0	0
TIRUPPATTUR	32.0	+1.4	36.3	04	21.7	+0.2	16.2	23	168.0	370.1	+178.6	79.3	24	13	+ 0.6	7.6	4.5	+1.5	0	14	0	0	0	0	0	0	0	0
METTUR DAM R.S	31.8	..	36.3	03	23.6	..	20.4	23	1.4	159.2	..	36.4	20	9	..	6.7	5.3	..	0	12	0	0	0	0	0	0	0	0
CUDDALORE	30.7	-0.8	37.2	02	23.9	-0.4	20.4	23	249.6	619.1	+352.4	133.5	23	16	+ 5.6	9.5	7.7	+0.3	0	19	0	0	3	0	0	0	0	0
KALLAKKURICHCHI	31.5	-1.0	37.2	03	..	..	..	..	87.4	476.4	+305.6	130.0	17	13	+ 3.4	14.0	10.7	..	0	13	0	0	0	0	0	0	0	0
SALEM	31.6	-0.3	37.5	01	23.2	+0.4	19.1	23	35.9	351.8	+185.9	84.2	11	16	+ 6.3	4.9	5.6	+0.3	1	20	0	0	5	0	0	0	0	0
COIMBATURE(PILAMEDU)	30.5	-0.4	35.1	05	21.7	-0.2	18.5	24	15.7	132.5	+ 9.0	37.3	29	9	- 0.7	12.9	10.9	-5.4	2	16	0	0	10	0	0	0	0	0
COIMBATORE	31.0	+0.6	34.8	05	22.2	+0.2	19.8	29	..	184.3	+ 22.8	42.4	30	12	+ 2.2	.	4.4	-3.4	0	12	0	0	10	0	0	0	0	0
NAGAPATTINAM	30.6	-0.8	36.5	02	24.5	-0.5	21.4	23	118.1	356.7	+114.9	85.2	15	16	+ 6.0	10.1	8.8	+0.1	1	20	0	0	3	0	0	0	0	0
TIRUCHCHIRAPPALLI	31.5	-0.8	36.0	04	23.8	-0.1	20.4	23	38.2	89.8	- 85.7	12.7	20	12	+ 2.9	8.4	6.5	-4.4	1	15	0	0	6	0	0	0	0	0
VEDARANNIYAM	31.4	..	35.8	02	22.6	..	20.5	15	121.2	388.5	..	78.6	15	14	..	5.0	3.6	..	0	16	0	0	5	0	0	0	0	0
ATIRAMPATTINAM	31.1	..	34.8	02	24.4	..	21.4	23	62.4	165.1	..	26.2	09	14	..	8.4	6.5	..	0	18	0	0	0	0	0	0	0	0
MADURAI	31.7	-1.3	35.5	01	21.2	-2.8	19.5	14	..	150.6	- 33.5	61.4	14	8	- 2.0	.	4.8	-0.1	0	12	0	0	3	0	0	0	0	0
MADURAI AERODROME	32.0	-0.9	36.4	02	23.3	-0.5	21.3	14	28.1	181.5	+ 64.6	83.2	14	8	- 1.6	9.7	7.2	-1.0	3	12	0	0	9	0	0	0	0	0
TONDI	31.1	+0.1	33.8	04	23.2	-1.6	20.6	21	126.8	240.8	+ 37.3	62.6	21	11	+ 1.6	11.2	9.7	-2.9	0	11	0	0	3	0	0	0	0	0
PAMBAN	31.3	+0.6	32.8	10	24.9	-0.7	22.7	30	128.0	280.1	+ 75.9	113.0	31	11	+ 1.9	13.5	11.7	-1.4	0	14	0	0	0	0	0	0	0	0
TUTICORIN	32.3	+0.4	35.1	20	23.3	-1.8	21.4	15	48.0	137.9	+ 15.1	30.0	29	8	+ 0.5	13.2	9.7	-2.6	0	13	0	0	3	0	0	0	0	0
PALAYANKOTTAI	33.5	-0.4	38.2	01	24.6	-0.5	23.1	22	106.0	173.2	- 0.8	37.6	30	11	+ 2.5	7.7	5.7	-2.8	0	15	0	0	3	0	0	0	0	0
KANNIYAKUMARI	30.8	..	34.1	02	24.0	..	21.8	14	81.0	202.5	..	46.8	22	11	..	14.7	12.1	..	1	13	0	0	3	0	0	0	0	0
PONDICHERRY	30.0	..	36.0	02	23.5	..	18.8	15	194.9	624.4	..	165.6	23	15	..	15.9	13.9	..	1	16	0	0	1	0	0	0	0	0
PORTNOVO	30.2	..	36.1	02	21.7	..	18.0	24	..	592.7	..	89.0	16	13	..	.	5.5	..	2	15	0	0	3	0	0	0	0	0
TUTICORIN H.P	31.0	..	34.8	24	24.9	..	23.1	14	47.6	94.4	..	19.9	15	10	..	16.8	13.7	..	0	12	0	0	7	0	0	0	0	0
COASTAL MYSORE																												
KARWAR	30.9	+1.2	35.0	15	23.3	-0.3	20.9	30	6.8	23.1	-124.2	6.4	26	4	- 3.3	5.7	3.5	..	1	8	0	0	0	0	0	0	0	0
HONAVAR	30.8	+0.2	34.7	16	23.2	0.0	21.8	30	15.6	119.6	- 4.6	96.4	10	4	- 2.6	..	..	..	0	7	0	0	6	0	0	0	0	0
MANGALORE(BAJPE)	30.9	+0.9	33.4	15	23.1	+0.2	21.2	24	37.0	156.1	- 70.6	56.1	19	8	- 3.4	8.1	4.8	-1.6	1	10	0	0	15	1	0	0	0	0
MANGALORE	30.4	+0.6	32.8	31	22.0	-1.8	19.6	24	1.3	61.0	-147.0	29.3	19	6	- 4.2	8.5	7.1	-0.2	0	8	0	0	2	0	0	0	0	0
MANGALORE H.P	30.4	..	32.2	15	23.8	..	21.7	24	3.7	47.3	..	9.7	07	6	..	10.8	6.8	..	1	11	0	0	19	0	0	0	0	0
INTERIOR MYSORE NORTH																												
BIDAR	29.7	+0.2	32.4	12	20.8	+0.2	17.9	17	19.4	32.9	- 26.5	16.4	17	2	- 1.6	14.4	9.2	+0.4	0	4	0	0	0	1	2	0	0	0
GULBARGA	31.9	0.0	34.2	06	20.5	-0.5	17.0	31	29.8	81.0	+ 16.7	21.0	08	7	+ 2.8	9.5	7.4	-3.8	0	7	0	0	1	0	0	0	0	0
BIJAPUR	31.0	0.0	35.4	07	20.8	+0.2	16.3	31	70.2	149.4	+ 72.7	50.4	25	6	+ 1.3	8.3	5.4	-0.1	0	8	0	0	1	0	0	0	0	0
RAICHUR	31.5	-0.2	34.6	01	22.2	-0.3	19.2	31	15.7	32.5	- 51.6	13.2	17	3	- 1.7	12.9	10.3	+0.9	2	4	0	0	2	0	0	0	0	0
BELGAUM	30.5	+0.4	33.7	06	19.6	+1.0	16.0	23	31.2	95.8	- 13.2	24.4	26	8	+ 0.9	4.3	1.8	-6.3	1	10	0	0	0	0	0	0	0	0
BELGAUM(SAMRA)	29.5	+1.2	32.4	14	19.7	+0.4	15.6	23	23.8	81.3	-104.6	23.7	26	7	- 2.1	10.3	6.0	-3.9	1	8	0	0	8	1	0	0	0	0
GADAG	30.7	-0.1	34.4	10	20.4	+0.2	17.7	31	16.3	131.0	+ 19.0	47.6	28	8	+ 1.2	5.1	6.2	-1.6	0	11	0	0	2	0	0	0	0	0
BIDAR A.F	30.5	..	33.0	13	18.6	..	15.5	22	19.2	29.2	..	16.6	17	2	..	..	..	..	0	2	0	0	2	0	0	0	0	0
INTERIOR MYSORE, SOUTH																												
BELLARY	31.0	-0.3	36.0	04	22.2	-0.1	19.4	31	79.7	190.8	+ 85.6	74.5	19	10	+ 4.6	7.1	4.6	-0.9	1	13	0	0	1	0	0	0	0	0
CHITRADURGA	29.0	-0.6	32.7	04	20.4	+0.1	18.0	31	84.6	210.2	+ 89.5	51.0	10	9	+ 2.5	6.8	4.6	-1.7	4	11	0	0	3	0	0	0	0	0
SHIMOGA	29.4	+0.2	32.5	05	20.2	-0.1	17.1	23	128.8	221.4	+ 52.8	96.6	19	10	+ 0.8	6.3	2.9	-1.1	0	12	0	0	0	2	0	0	0	0
AGUMBE	27.3	..	30.0	05	19.8	..	16.7	31	100.8	161.9	..	39.5	18	8	..	5.6	4.0	..	1	12	0	0	6	6	0	0	0	0
BALEHONNUR	27.2	+1.1	30.6	05	17.5	-0.4	14.6	23	..	155.2	- 39.4	64.4	10	10	- 0.6	..	..	..	0	14	0	0	0	0	0	0	0	0
HASSAN	..	..	..	..	..	..	..	..	14.6	148.4	- 11.9	42.0	21	9	- 0.4	8.7	5.9	-1.0	0	9	0	0	0	0	0	0	0	0
BANGALORE	27.2	-0.3	31.2	06	19.0	+0.1	15.4	24	86.6	191.5	+ 38.1	57.7	20	10	+ 1.7	7.3	6.3	-1.9	0	14	0	0	4	0	0	0	0	0
BANGALORE AERODROME	27.2	-1.1	31.8	11	18.4	-0.9	15.4	24	47.2	197.9	+ 4.5	44.8	20	10	+ 0.4	9.9	7.6	..	0	14	0	0	3	1	0	0	0	0
MYSORE	27.3	-1.1	30.5	01	20.2	+0.6	17.1	24	47.6	116.0	- 37.7	32.0	20	7	- 2.0	9.2	6.9	-1.0	0	9	0	0	0	0	0	0	0	0
YALANKA A.F	27.4	..	31.6	05	18.7	..	16.0	30	40.1	175.6	..	61.4	20	9	..	..	..	..	0	12	0	0	7	0	0	0	0	0
KERALA																												
CALICUT	31.1	+0.7	32.8	07	24.1	+0.3	21.0	25	50.7	233.2	- 29.4	94.4	17	9	- 2.0	8.1	5.9	-2.9	1	15	0	0	14	0	0	0	0	0
PALGHAT	31.4	+0.7	34.2	29	23.4	0.0	21.0	24	94.8	357.0	+146.8	55.0	29	14	+ 2.5	6.0	3.8	-4.9	0	15	0	0	2	0	0	0	0	0
FORT COCHIN	30.2	+1.0	31.8	31	23.2	-1.0	20.9	23	31.6	325.6	- 0.5	94.6	28	16	+ 2.2	6.5	5.0	-2.8	0	17	0	0	16	0	0	0	0	0
COCHIN(NAVAL AIR STATION)	30.7	..	32.2	10	23.9	..	22.2	23	34.2	279.4	..	54.8	22	14	..	10.1	7.9	..	0	21	0	0	22	2	0	0	1	0
ALLEPPEY	30.7	+1.0	32.2	06	23.9	+0.1	22.0	07	22.2	312.4	- 37.5	84.2	22	17	+ 1.5	12.4	9.3	-1.1	0	19	0	0	13	0	0	0	0	0
PUNALUR	32.4	+1.2	35.0	06	21.0	-1.4	18.9	25	92.4	338.2	- 47.9	98.4	01	15	+ 1.0	3.0	2.1	-1.2	0	15	0	0	0	0	0	0	0	0
TRIVANDRUM	30.3	+0.4	32.3	06	23.4	0.0	20.6	20	87.9	233.1	- 40.2	98.1	16	10	- 2.3	8.5	6.2	-1.1	2	18	0	0	16	0	1	0	0	0
TRIVANDRUM AERODROME	30.4	+0.6	32.3	02	23.8	+0.2	21.6	20	..	261.8	+ 49.2	122.6	16	10	- 0.2	.	7.2	+0.3	1	13	0	0	16	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No. of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
ARABIAN SEA ISLANDS																												
AMINI	30.6	+0.2	32.1	24	25.1	-0.1	21.4	24	28.6	158.6	+ 17.7	62.1	16	9	+ 0.6	13.9	13.3	+3.2	2	11	0	0	6	0	0	0	0	0
AGATTI	29.3	..	31.3	02	25.4	..	23.0	17	52.4	161.2	..	77.7	17	6	..	..	..	..	0	10	0	0	10	0	0	0	0	0
ANDROTH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MINICOY	30.5	+0.9	31.7	10	23.5	-1.1	20.7	27	55.5	98.3	- 80.8	43.1	13	4	- 6.6	8.8	6.5	-3.7	1	7	0	0	2	0	0	0	0	0
HILL STATIONS(EXCLUDING KASHMIR)																												
DALHOUSIE	22.9	+1.3	25.2	20	11.7	0.0	9.8	12	0.0	11.4	- 20.1	8.2	11	2	0.0	0.6	0.8	-2.3	0	2	0	0	0	0	0	0	0	0
DHARMASALA	25.7	+1.3	27.4	01	15.1	-1.0	12.6	11	81.9	81.9	- 35.6	75.8	11	2	- 1.5	5.0	3.6	-0.6	0	3	0	0	3	0	0	0	0	0
BHUNTAR	27.8	..	29.2	01	9.2	..	6.8	19	1.5	2.2	..	1.0	15	0	..	9.9	5.8	..	0	3	0	0	4	0	0	0	0	0
SIMLA	19.1	+1.2	21.4	05	11.0	+0.2	8.7	26	1.9	2.2	- 31.1	1.6	11	0	- 2.2	3.9	2.5	-0.6	0	2	0	0	0	0	0	0	0	0
DHARMPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GHANGARIA (KANJALIA TOK)	13.5	+9.4	15.8	22	2.6	0.0	1.8	23	..	13.7	- 86.6	5.2	14	2	- 6.0	..	..	..	0	7	0	0	0	0	0	0	0	0
BADRINATH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JUSHIMATH	20.7	-0.5	22.8	05	10.0	-0.6	7.8	28	3.0	9.6	- 53.6	5.0	28	2	- 2.7	3.2	4.3	-1.5	0	3	0	0	0	0	0	0	0	0
MUSSOORIE	19.2	+0.5	22.6	08	11.3	+0.2	8.7	11	7.0	2.0	- 42.3	2.0	11	0	- 2.4	5.6	3.8	-2.3	0	1	0	0	0	0	0	0	0	0
MUKTESWAR(KUMAUN)	18.9	+0.5	21.8	01	9.1	-0.8	6.8	28	5.0	5.0	- 38.4	5.0	28	1	- 1.3	10.2	9.3	-0.9	0	1	0	1	7	0	0	0	0	0
NAINITAL	18.9	+0.4	21.4	05	10.0	+0.2	8.0	23	8.0	8.0	-297.2	7.0	15	1	- 4.5	7.6	5.8	-1.5	0	2	0	0	0	0	0	0	0	0
KALIMPONG	25.1	+1.8	27.6	03	10.1	-6.0	6.6	29	10.6	24.1	- 80.3	11.5	10	2	- 2.5	7.0	5.6	-2.8	0	3	0	0	0	0	0	0	0	0
DARJEELING	20.5	+1.9	24.4	03	11.4	-0.1	6.4	24	15.4	217.9	+ 75.4	204.2	10	4	- 1.3	2.9	3.7	+1.9	0	6	0	0	0	3	0	0	0	0
KOHIMA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SHILLONG(C.S.O.)	21.0	-1.3	23.5	06	13.9	+1.9	11.4	20	47.6	102.4	- 85.8	34.1	11	7	- 3.3	4.0	2.7	+0.4	0	12	0	0	1	1	0	0	0	0
CHERRAPUNJI	22.8	+0.4	25.9	15	14.8	-1.1	12.0	19	0.0	120.0	-364.6	36.2	11	7	- 2.2	5.9	4.4	-1.7	0	8	0	0	0	0	0	0	0	0
ABU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
AIJAL	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
PACHMARHI	27.5	+1.3	29.5	13	13.5	-1.3	12.0	25	0.0	0.0	- 63.3	0.0	..	0	- 3.0	4.5	2.5	-1.1	0	0	0	0	0	0	0	0	0	0
MAHABALESHWAR	26.2	+2.2	31.0	22	16.2	+0.1	13.0	17	25.0	50.8	-103.6	26.1	20	4	- 3.4	11.8	11.6	+1.3	0	5	0	0	0	5	0	0	0	0
MERCARA	24.3	+0.6	27.0	04	13.9	-3.1	11.8	22	39.1	143.5	- 56.4	37.4	07	8	- 4.7	9.6	8.1	-0.3	1	17	0	0	4	0	0	0	0	0
OOTACAMUND	18.5	-0.2	22.3	10	10.5	+0.5	8.6	23	69.6	135.2	- 67.0	16.6	29	14	+ 0.4	3.5	1.9	-1.5	1	20	0	0	0	0	0	0	0	0
COONOOR	21.2	+0.5	24.7	01	11.2	-2.2	7.2	25	..	321.8	+ 38.4	67.2	08	13	- 1.5	..	..	..	0	23	0	0	0	0	0	0	0	0
KODAIKANAL	17.2	+0.2	19.5	02	10.5	-0.4	8.0	31	142.2	269.6	+ 13.1	37.3	18	15	- 0.5	12.5	12.9	+2.8	1	24	0	0	12	2	0	0	0	0
MANALI	22.4	..	32.5	31	4.7	..	3.0	17	1.2	6.3	..	5.1	07	1	..	2.8	2.0	..	0	2	0	0	0	0	0	0	0	0
NEPAL																												
KATMANDU	27.2	+0.9	30.0	05	12.7	-0.8	8.3	30	45.9	65.0	+ 17.7	38.8	23	3	- 1.1	2.4	1.2	-0.1	2	4	0	2	8	17	0	0	0	0
SIKKIM																												
LACHEN	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
HYDROMETEOROLOGICAL OBSERVATORIES																												
DAMODAR CATCHMENT																												
TILAIYA	30.3	..	31.7	23	19.6	..	15.8	28	5.0	5.0	..	4.4	09	1	..	5.3	2.8	..	1	2	0	0	0	0	0	0	0	0
HAZARIBAGH	29.2	..	30.1	08	16.8	..	14.2	30	32.0	33.0	..	32.6	09	1	..	6.3	3.7	..	0	2	0	0	1	0	0	0	0	0
KONAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
ROKARU	31.1	..	34.9	08	23.0	..	21.0	27	9.4	10.0	..	6.0	11	2	..	..	..	..	0	2	0	0	0	0	0	0	0	0
MAITHON	33.3	..	36.4	23	19.9	..	15.3	27	8.6	11.4	..	6.2	09	2	..	..	..	..	1	3	0	0	3	0	0	0	0	0
RANGARH	31.0	..	32.4	07	18.3	..	14.0	22	15.4	21.4	..	15.4	09	2	..	..	..	..	0	3	0	0	0	0	0	0	0	0
PANCHET HILLS	31.5	..	33.5	08	21.6	..	18.4	27	11.3	18.1	..	11.8	09	2	..	2.1	1.2	..	0	4	0	0	0	0	0	0	0	0
DURGAPUR	31.0	..	33.4	23	21.3	..	18.8	29	17.0	38.2	..	16.0	01	4	..	8.1	6.5	..	0	4	0	0	0	0	0	0	0	0
MAHANADI CATCHMENT																												
GINABAHAR	31.2	..	32.8	22	17.1	..	14.3	31	..	47.4	..	33.6	09	2	..	..	..	..	1	2	0	0	3	0	0	0	0	0
HIRAKUD	32.2	..	34.0	07	22.6	..	19.2	27	11.7	71.8	..	48.3	08	3	..	3.8	2.6	..	0	3	0	0	1	0	0	0	0	0
RHIMKUND	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SUNEPUR	32.6	..	34.0	22	22.3	..	19.1	27	..	6.5	..	3.5	08	2	..	..	..	..	0	3	0	0	0	0	0	0	0	0
KHIJRAWAN	30.8	..	37.1	29	21.8	..	19.1	16	3.7	51.8	..	40.2	09	2	..	6.2	3.8	..	0	3	0	0	1	0	0	0	0	0
NARMADA CATCHMENT																												
BAGRA TAWA	33.1	..	34.8	22	16.1	..	13.6	24	0.0	0.0	..	0.0	..	0	..	5.4	3.4	..	0	0	0	0	0	0	0	0	0	0
PUNASA	35.5	..	39.5	05	17.2	..	15.2	31	0.0	0.0	..	0.0	..	0	..	5.6	4.7	..	0	0	0	0	0	0	0	0	0	0
THIKRI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SABARMATI CATCHMENT																												
DAROI	37.2	..	39.6	10	19.7	..	17.4	27	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
JHADOL	33.7	..	35.5	15	15.0	..	12.7	13	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
GANDAK CATCHMENT																												
JAMOSOM	19.3	..	22.3	01	3.5	..	1.1	14	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
KHUDI BAZAR	26.2	..	27.9	09	14.5	..	12.1	28	7.2	37.0	..	20.0	23	4	..	..	..	..	0	8	0	0	0	0	0	0	0	0
TIMURE	23.4	..	25.4	06	10.5	..	8.9	30	1.0	27.4	..	18.6	23	2	..	..	..	..	0	5	0	0	0	0	0	0	0	0
POKHARA	26.4	..	28.3	02	16.2	..	13.4	11	2.3	69.7	..	27.0	10	4	..	5.2	5.2	..	0	7	0	0	12	0	0	0	0	0
GURKHA	25.7	..	27.2	02	14.4	..	11.8	23	1.7	10.5	..	9.8	23	1	..	..	..	..	0	3	0	0	6	4	0	0	0	0
NUWAKOT	27.4	..	29.5	05	16.8	..	14.0	23	5.0	27.8	..	23.0	23	2	..	..	..	..	0	3	0	0	0	0	0	0	0	0
GHAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																												
DAILEKH	23.2	..	24.7	22	13.4	..	12.4	28	0.0	11.8	..	11.8	24	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0
GHAGHARA CATCHMENT																												
SALLYANA	23.2	..	24.8	20	14.7	..	12.4	29	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
BUTWAL	31.2	..	32.9	06	21.8	..	19.4	11	0.0	10.4	..	10.4	23	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0
BAGHMATI CATCHMENT																												
KATMANDU	SEE UNDER NEPAL				..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
KOSI CATCHMENT																												
WALUNGCHUNG GOLA	12.5	..	15.6	08	3.2	..	1.0	25	16.4	38.6	..	11.0	14	5	..	..	..	..	1	10	0	0	0	0	0	0	0	0
TAPLETHUK	25.7	..	28.1	01	13.8	..	11.0	27	11.0	64.4	..	16.4	02	9	..	..	..	..	0	12	0	0	0	0	0	0	0	0
BHOJPUR	21.4	..	23.5	06	14.2	..	12.7	23	9.2	14.4	..	9.2	09	2	..	..	..	..	0	3	0	0	0	0	0	0	0	0
TAPLEJUNG	21.4	..	23.6	01	11.8	..	9.3	30	14.5	24.8	..	15.0	10	2	..	5.7	3.2	..	0	6	0	0	6	0	0	0	0	0
OKHALDHUNGA	21.8	..	25.1	06	12.3	..	10.6	23	20.4	55.0	..	27.1	10	5	..	2.3	1.6	..	0	8	0	0	6	6	0	0	0	0
CHAINPUR	24.8	..	27.5	01	15.8	..	14.4	31	7.6	67.7	..	26.9	01	5	..	..	..	..	0	5	0	0	0	0	0	0	0	0
BARAHAKSHETRA	30.2	..	32.0	03	20.0	..	17.3	27	6.0	48.9	..	15.7	01	4	..	5.3	3.5	..	0	6	0	0	3	0	0	0	0	0
TISTA CATCHMENT																												
GANGTUK	22.8	..	25.4	01	11.1	..	9.0	24	9.7	222.1	..	91.2	22	5	..	5.0	4.6	..	1	9	0	0	4	2	0	0	0	0
GEZING	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lat. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAY ISLANDS																											
MAYA BANDAR	0830	28	1011.3	1008.1	-0.1	28.3	26.1	25.1	32.0	83	+ 0	4.6	-0.6	3.6	0	0	16	00	6	3	5	0	0	2	0	14	0
	1730	28	1008.4	1005.3	-0.3	27.3	25.2	24.2	30.2	83	- 3	5.5	+0.4	3.0	0	0	17	00	1	4	3	2	5	2	0	14	0
LONG ISLAND	0830	25	1011.2	1008.3	+0.0	29.0	25.8	24.5	30.8	77	- 7	5.0	-0.9	1.6	0	0	21	00	4	0	12	0	4	1	0	10	0
	1730	25	1009.0	1006.1	+0.4	27.0	24.9	24.0	29.8	84	- 5	5.4	-0.1	0.5	0	0	8	00	1	1	5	0	0	1	0	23	0
PORT BLAIR	0530	79	1009.7	1000.7	..	24.5	23.9	23.5	29.0	94	..	4.5	..	1.1	0	0	6	00	1	1	0	0	1	3	0	25	0
	0830	79	1011.3	1002.5	+0.2	28.9	25.8	24.4	30.6	77	- 4	5.1	-1.6	5.8	0	1	22	00	7	6	3	0	2	4	1	8	0
	1130	79	1009.6	1000.7	..	29.5	26.0	24.4	30.6	74	..	5.4	..	9.3	0	1	29	00	8	7	9	3	1	2	0	1	0
	1430	79	1007.7	998.9	..	28.8	25.4	23.9	29.6	75	..	5.7	..	8.5	0	0	28	00	3	8	5	2	4	4	2	3	0
	1730	79	1008.7	999.8	+0.2	26.5	24.5	23.6	29.1	84	- 5	5.2	-1.1	3.5	0	0	16	00	0	3	2	1	3	3	4	15	0
	2030	79	1011.0	1002.1	..	25.6	24.3	23.6	29.2	89	..	3.1	..	2.1	0	0	12	00	1	1	1	1	2	4	2	19	0
	2330	79	1010.5	1001.5	..	25.1	24.1	23.7	29.3	92	..	3.6	..	1.9	0	0	8	00	0	1	0	0	2	4	1	23	0
CAR NICOBAR	0830	10	1011.1	1010.1	+0.3	28.2	26.2	25.3	32.3	85	+ 3	5.9	-0.1	1.3	0	0	21	00	3	0	2	0	15	0	1	10	0
	1730	10	1008.7	1007.6	+0.2	26.7	25.9	25.6	32.4	94	+ 5	5.8	+0.3	0.3	0	0	4	00	0	0	0	0	4	0	0	27	0
NAN COWRY	0830	26	1011.7	1008.8	+0.1	27.7	25.6	24.8	31.3	85	+ 1	5.5	-0.5	2.6	0	0	22	00	0	2	1	3	5	11	0	9	0
	1730	26	1008.9	1006.0	-0.1	26.7	25.1	24.3	30.4	87	+ 0	5.6	-0.1	1.2	0	0	9	01	0	0	0	0	4	3	1	22	0
KONDUL	0830	8	1012.5	1011.6	+0.9	27.2	25.7	25.0	31.8	88	+ 3	5.6	-0.7	0.1	0	0	1	01	0	0	0	0	0	0	0	30	0
	1730	8	1010.0	1009.1	+1.1	26.3	25.3	24.9	31.4	92	+ 2	6.0	-0.3	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
HUT BAY/LITTLE ANDAMAN	0830		1012.4	1011.6	..	29.7	26.3	24.9	31.5	76	..	5.8	..	3.9	0	0	24	04	8	1	0	1	6	2	2	7	0
	1730		1009.3	1008.5	..	27.4	25.5	24.6	31.0	85	..	5.5	..	2.0	0	0	19	00	2	1	3	2	9	0	2	12	0
NORTH ASSAM(INCLUDING NEFA)																											
PASIGHAT	0830	157	1013.4	995.5	+0.5	24.8	20.7	18.4	21.3	68	- 8	2.7	-2.7	11.6	0	5	26	03	0	5	0	1	0	1	21	0	0
	1730	157	1009.2	991.4	+0.1	23.9	22.0	21.1	25.1	84	- 1	2.1	-2.3	1.0	0	0	13	01	1	0	0	0	1	0	10	18	0
DIBRUGARH(MOHANBARI)	0230	111	1011.1	998.2	..	21.3	20.7	20.3	24.1	94	..	4.1	..	0.8	0	0	5	00	4	1	0	0	0	0	0	26	0
	0530	111	1011.9	999.1	..	20.3	19.7	19.3	22.6	94	..	4.5	..	1.2	0	0	7	01	3	1	2	0	0	0	0	24	0
	0830	111	1013.5	1000.8	+0.9	24.8	22.0	20.6	24.4	78	- 4	4.2	-1.2	5.3	0	1	23	02	14	7	1	0	0	0	0	7	0
	1130	111	1011.2	998.7	..	27.9	23.1	20.6	24.4	64	..	4.3	..	4.1	0	0	24	03	11	4	0	1	1	2	2	7	0
	1430	111	1008.4	996.0	..	28.9	23.3	20.4	24.7	61	..	4.0	..	3.2	0	0	21	00	7	3	4	1	3	2	1	10	0
	1730	111	1008.9	996.3	+0.3	25.7	23.4	22.2	26.9	81	- 4	3.6	-0.9	0.6	0	0	4	00	1	1	1	0	1	0	0	27	0
	2030	111	1011.1	998.4	..	22.5	21.6	21.1	25.2	91	..	3.4	..	0.1	0	0	1	00	1	0	0	0	0	0	0	30	0
	2330	111	1011.5	998.7	..	21.8	21.0	20.6	24.3	93	..	3.7	..	0.6	0	0	4	00	3	0	0	0	0	0	1	27	0
DIGBOI	0830		(R)																								
	1730		(R)																								
NORTH LAKHIMPUR	0830	102	1013.3	1001.7	+0.6	25.7	22.4	20.7	24.6	75	- 8	4.5	-0.7	5.0	0	0	31	07	5	4	3	5	0	0	1	0	6
	1130	102	1011.5	1000.1	..	28.6	23.7	21.3	25.5	65	..	4.8	..	5.9	0	0	31	01	1	0	2	4	0	0	0	0	23
	1430	102	1008.8	997.4	..	29.3	23.5	20.5	24.3	60	..	4.7	..	5.5	0	0	31	05	0	0	2	8	2	0	0	0	14
	1730	102	1009.0	997.5	+0.3	25.6	23.5	22.4	27.3	83	- 4	4.6	+0.2	2.1	0	0	15	02	1	0	1	7	1	0	1	16	2
	2030	102	1010.9	999.1	..	22.9	22.0	21.5	25.8	90	..	4.5	..	1.2	0	0	10	02	1	0	0	3	0	3	1	21	0
SIBSAGAR	0830	97	1012.9	1002.2	+0.5	23.9	21.6	20.0	23.7	79	- 7	6.4	+0.4	0.8	0	0	6	04	0	0	0	1	0	0	1	25	0
	1730	97	1008.6	997.7	+0.1	25.9	22.2	20.1	23.9	72	-13	6.6	+2.6	0.4	0	0	3	02	1	0	0	0	0	0	0	28	0
GOHPUR	0830	83	1012.3	1002.8	..	24.4	22.9	22.1	26.8	87	+ 1	4.0	..	0.3	0	0	4	00	0	2	0	0	0	2	0	27	0
	1730	83	1008.1	998.8	..	26.6	23.8	22.4	27.2	79	- 3	3.7	..	0.1	0	0	2	00	0	0	0	0	1	1	0	29	0
MAJBAT	0830	120	1013.3	999.7	+1.1	26.1	24.6	23.9	29.8	88	..	1.5	-3.0	0.1	0	0	1	00	1	0	0	0	0	0	0	30	0
	1730	120	1009.5	995.8	+1.0	27.8	26.6	26.2	34.0	91	..	1.1	-2.6	0.1	0	0	1	00	1	0	0	0	0	0	0	30	0
JORHAT AERODROME	0530	90	1011.3	1001.0	..	21.6	21.3	21.0	25.1	97	..	5.1	..	2.1	0	1	4	00	2	1	0	0	0	1	0	26	1
	0830	90	1013.0	1002.8	..	25.4	23.5	22.5	27.3	84	..	4.7	..	3.4	0	0	13	01	9	1	0	0	1	0	0	18	1
	1130	90	1010.9	1000.8	..	28.4	24.6	22.8	27.6	73	..	4.7	..	6.6	0	0	23	01	19	2	0	0	1	0	0	8	0
	1730	90	1008.3	998.2	..	26.0	23.7	22.7	27.7	81	..	3.3	..	0.9	0	0	3	01	2	0	0	0	0	0	0	28	0
	2330	90	1010.8	1000.5	..	23.7	22.5	21.8	26.3	88	..	2.5	..	0.3	0	0	1	00	1	0	0	0	0	0	0	30	0
TANGLA	0830	78	1011.0	1003.7	+0.6	26.3	22.8	20.9	24.9	72	- 7	1.9	-1.8	2.2	0	0	16	00	0	15	0	1	0	0	0	15	0
	1730	78	1006.3	999.1	+0.2	27.6	24.8	23.5	29.1	78	- 4	1.7	-0.9	0.5	0	0	4	00	0	4	0	0	0	0	0	27	0
TEZPUR	0830	79	1013.4	1004.4	+0.3	24.3	22.3	21.2	25.4	83	+ 2	2.3	-1.7	2.8	0	0	23	00	20	0	2	0	0	0	1	8	0
	1730	79	1008.8	999.9	+0.1	27.7	24.5	22.9	28.0	76	- 4	1.4	-1.4	0.7	0	0	8	00	7	1	0	0	0	0	0	23	0
GOLAGHAT	0830	95	1012.7	1002.1	+0.8	24.5	22.5	21.5	25.7	84	+ 0	3.1	-2.6	1.0	0	0	12	01	2	0	0	4	1	2	2	19	0
	1730	95	1008.1	997.4	+0.0	29.7	24.4	21.7	26.1	63	-17	2.4	-2.8	0.3	0	0	4	00	0	1	0	0	0	2	1	22	0
RANGIA	0830	60	1014.1	1007.4	..	26.8	23.6	22.0	26.6	76	- 2	2.4	..	6.2	0	0	26	00	2	21	2	1	0	0	0	5	0
	1730	60	1010.1	1003.3	..	28.0	24.6	23.1	28.3	75	- 1	1.9	..	1.1	0	0	5	02	1	2	0	0	0	0	0	26	0
CHAPARMUKH	0830	66	1015.8	1008.4	+3.2	27.4	25.3	24.4	30.6	84	+ 4	3.2	-1.2	1.8	0	0	24	00	1	5	18	0	0	0	0	4	0
	1730	66	(R)																								
GOALPARA	0830	38	1011.8	1007.5	+0.2	25.3	23.0	21.7	26.2	81	- 1	2.5	-1.3	2.0	0	0	27	00	10	13	4	0	0	0	0	4	0
	1730	38	1007.5	1003.2	-0.2	29.8	24.4	21.9	26.2	64	-13	1.3	-1.5	0.9	0	0	13	00	7	1	0	0	0	5	0	18	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or lat. in gms. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORTH ASSAM (INCLUDING NEFA) (CONTD)																											
GAUHATI(BHORJOR)	0230	54	1010.3	1004.1	..	22.5	22.0	21.8	26.2	96	..	2.7	..	1.1	0	0	6	00	2	1	0	3	0	0	0	25	0
	0530	54	1011.3	1005.0	..	21.7	21.3	21.2	25.2	96	..	3.0	..	1.1	0	0	5	00	2	3	0	0	0	0	0	25	0
	0830	54	1012.9	1006.8	+0.8	25.9	23.5	22.4	27.2	81	- 2	2.9	-1.6	3.0	0	0	14	05	5	4	0	0	0	0	0	17	0
	1130	54	1011.0	1004.9	..	28.8	24.6	22.6	27.5	70	..	3.6	..	7.8	0	0	27	16	8	2	0	0	0	0	1	4	0
	1430	54	1008.2	1002.1	..	29.8	24.3	21.7	26.1	62	..	3.5	..	6.2	0	0	27	07	13	2	0	0	0	2	3	4	0
	1730	54	1008.6	1002.5	+0.4	27.3	24.3	22.9	28.0	77	- 8	3.9	-0.3	2.1	0	0	10	04	2	2	0	0	0	1	1	21	0
	2030	54	1010.8	1004.6	..	24.1	23.3	22.9	28.1	93	..	2.7	..	2.8	0	0	12	00	3	0	2	4	1	1	1	19	0
	2330	54	1011.1	1004.9	..	23.3	22.6	22.2	26.9	94	..	3.3	..	0.7	0	0	3	00	1	0	0	2	0	0	0	27	0
DHUBRI(RUPSI)	0530	45	1010.6	1005.4	..	20.7	20.3	20.1	23.6	96	..	2.7	..	3.3	0	0	25	03	19	1	1	0	0	1	0	6	0
	0830	45	1012.4	1007.3	+1.1	26.0	23.6	22.3	27.1	80	- 1	3.0	-0.6	7.1	0	0	31	02	11	14	1	2	0	0	1	0	0
	1130	45	1010.8	1005.7	..	29.1	24.4	22.2	26.9	67	..	3.7	..	7.4	0	0	31	02	8	9	6	4	0	1	1	0	0
	1730	45	1008.4	1003.3	+0.8	26.6	24.3	23.2	28.5	82	- 3	2.3	-0.7	1.2	0	0	10	02	3	2	0	0	1	1	1	21	0
DHUBRI	0830	35	..	..	..	26.3	24.0	22.8	27.9	81	- 2	2.1	-1.3	9.7	0	4	21	02	14	8	1	0	0	0	0	5	0
	1730	35	..	..	..	27.8	24.3	22.6	27.5	74	- 3	1.4	-1.6	1.2	0	0	11	04	0	4	2	0	1	0	0	20	0
LUMDING	0830	149	1014.1	997.1	..	24.9	22.9	22.0	26.4	84	+ 0	3.3	.	0.9	0	0	11	01	2	6	0	0	1	0	1	20	0
	1730	149	1009.8	993.1	..	27.8	24.7	23.2	28.6	77	..	2.5	..	0.1	0	0	1	00	0	0	0	0	0	1	0	30	0
BOMDILLA	0830		..	..	..	13.0	11.1	9.8	12.2	81	..	5.4	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	12.5	10.8	9.3	11.8	81	..	8.2	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAWANG	0830		..	..	..	12.7	12.1	11.6	13.8	93	..	4.5	..	3.3	0	0	24	03	0	11	0	4	0	6	0	6	0
	1730		..	..	..	11.1	10.6	10.2	12.4	95	..	3.3	..	3.3	0	0	28	05	0	5	0	14	0	4	0	3	0
TEZU	0830		..	..	..	25.4	21.1	18.6	21.6	67	..	2.6	..	0.5	0	0	7	00	0	3	0	0	0	1	0	24	3
	1730		..	..	..	25.1	22.7	21.1	25.3	78	..	2.8	..	0.1	0	0	1	00	0	0	0	0	0	0	0	29	1
ALONG	0830		..	..	..	23.5	21.3	20.2	24.0	83	..	6.1	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	24.7	22.8	21.8	26.3	84	..	1.9	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ZIRO	0830		..	..	..	16.9	14.9	13.6	15.8	81	..	2.0	..	1.1	0	0	7	01	3	0	0	1	0	1	1	23	0
	1730		..	..	..	17.4	15.4	14.1	16.3	82	..	3.4	..	3.1	0	0	18	00	1	0	0	1	10	2	4	13	0
KHONSA	0830		..	..	..	23.8	21.0	19.7	23.1	78	..	5.3	..	0.2	0	0	3	01	0	1	1	0	0	0	0	26	0
	1730		..	..	..	23.6	21.2	20.1	23.7	81	..	5.8	..	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
OUTH ASSAM(INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
TURA	0830	370	1013.6	971.7	+0.9	22.8	21.1	20.1	23.7	85	- 1	2.5	-1.6	3.0	0	0	28	01	6	12	5	2	1	0	1	3	0
	1730	370	1009.3	968.0	+0.3	26.4	24.1	23.0	28.4	82	- 1	5.1	+0.2	2.1	0	0	24	00	5	7	3	2	2	3	2	7	0
HAFLONG	0830	682	1012.6	937.0	+0.7	22.3	20.2	19.1	22.1	82	- 3	4.6	-0.1	2.0	0	0	31	00	0	0	0	11	20	0	0	0	0
	1730	682	1006.2	931.4	-1.2	24.0	21.1	19.7	23.1	78	- 4	4.0	-0.1	2.0	0	0	31	00	0	0	0	2	29	0	0	0	0
SILCHAR(KUMBHIRGRAM)	0530	97	1011.4	998.7	..	21.7	20.8	20.3	23.9	91	..	4.2	..	10.1	0	1	29	00	2	28	0	0	0	0	0	1	0
	0830	97	1012.6	1000.1	+0.3	25.7	22.6	21.0	25.0	76	- 6	3.7	-0.8	10.3	0	0	30	00	4	22	4	0	0	0	0	1	0
	1130	97	1010.6	998.3	..	29.1	23.9	21.2	25.3	63	..	3.6	..	7.2	0	0	29	01	1	5	10	5	4	1	1	2	1
	1730	97	1008.2	995.9	-0.1	27.9	24.1	22.2	26.9	72	- 9	3.0	-0.4	1.7	0	0	10	00	2	0	0	0	2	6	0	21	0
SILCHAR	0830	29	1012.3	1009.0	+0.1	26.3	23.9	22.7	27.7	81	- 2	4.2	-0.2	0.1	0	0	1	00	0	1	0	0	0	0	0	30	0
	1730	29	1007.9	1004.6	-0.3	28.8	25.1	23.4	28.8	73	- 7	3.2	-0.1	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
IMPHAL(TULIHAL)	0530	781	1013.9	926.1	..	17.1	16.8	16.6	19.1	97	..	4.7	..	0.5	0	0	3	02	0	0	0	1	0	0	0	27	0
	0830	781	1014.3	927.6	+0.7	20.8	19.1	18.1	20.9	85	+ 5	6.0	+0.7	1.9	0	0	8	01	1	0	3	2	1	0	0	22	0
	1130	781	1010.9	925.8	..	25.2	20.4	17.8	20.5	64	..	4.2	..	4.3	0	0	20	02	0	1	5	4	3	3	2	11	0
	1430	781	1007.8	923.3	..	26.5	20.5	17.2	19.7	57	..	3.7	..	8.5	0	1	25	03	0	0	3	7	6	4	3	5	0
	1730	781	1009.4	923.7	+2.3	22.8	19.8	18.2	21.0	75	- 2	3.6	-0.4	5.5	0	0	16	02	1	0	0	6	3	0	4	15	0
	2030	781	1012.5	925.8	..	20.0	18.7	18.0	20.8	88	..	3.1	..	1.5	0	0	8	01	1	2	0	1	1	0	2	23	0
	2330	781	1013.4	926.1	..	18.2	17.6	17.2	19.7	94	..	3.4	..	1.6	0	0	7	02	1	1	1	0	2	0	0	24	0
KAILASHAHAR	0530	29	1011.6	1008.3	..	22.4	22.1	21.9	26.4	97	..	3.1	..	2.0	0	0	16	00	2	1	5	8	0	0	0	15	0
	0830	29	1012.9	1009.7	+0.8	26.7	24.6	23.7	29.4	84	- 1	3.2	-1.7	2.1	0	0	18	01	1	5	3	8	0	0	0	13	0
	1130	29	1011.1	1007.9	..	29.5	25.2	23.3	28.7	70	..	4.5	..	7.0	0	0	30	04	6	6	3	2	1	3	5	1	0
	1730	29	1009.2	1005.9	+0.5	27.7	25.5	24.6	31.0	84	- 1	3.4	-1.0	2.1	0	0	15	04	2	0	1	1	2	3	2	16	0
AGARTALA	0230	16	1009.2	1007.4	..	22.6	21.9	21.5	25.8	94	..	2.9	..	5.5	0	4	4	00	1	2	1	2	0	0	2	23	0
	0530	16	1009.8	1008.0	..	22.0	21.3	21.0	25.0	94	..	3.6	..	2.0	0	1	7	00	2	2	3	1	0	0	0	23	0
	0830	16	1011.2	1009.4	+0.2	27.9	24.7	23.1	28.4	76	- 5	4.2	-0.4	4.5	0	0	22	00	5	6	2	4	1	0	3	9	1
	1130	16	1009.8	1008.0	..	29.9	24.7	22.3	27.0	64	..	5.3	..	6.6	0	0	28	07	3	1	2	3	1	3	8	3	0
	1430	16	1007.5	1005.7	..	30.2	24.7	22.0	26.7	63	..	5.4	..	8.8	0	1	27	07	5	0	1	1	0	4	10	3	0
	1730	16	1007.8	1006.0	+0.1	27.4	24.5	23.1	28.4	78	- 4	4.1	-0.2	2.3	0	0	11	05	2	0	1	0	1	2	0	20	0
	2030	16	1009.8	1008.0	..	24.8	23.3	22.6	27.5	88	..	2.5	..	1.1	0	0	6	00	2	1	0	1	0	2	0	25	0
	2330	16	1010.0	1008.2	..	23.4	22.5	22.0	26.6	92	..	2.1	..	1.5	0	0	8	01	2	0	2	1	0	1	1	23	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gmm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SOUTH ASSAM(INCLUDING NAGALAND, MANIPUR AND TRIPURA) (CONTD.)																											
TUENSANG	0830		(R)																								
	1730		(R)																								
MOKOKCHUNG	0830		(R)																								
	1730		(R)																								
SUB-HIMALAYAN WEST BENGAL																											
BAGHDOGRA	0230	131	1010.5	995.4	..	21.3	20.4	19.9	23.4	92	..	1.7	..	1.8	0	0	5	02	3	0	0	0	0	0	0	26	0
	0530	131	1011.0	995.8	..	19.4	18.6	18.1	20.9	94	..	2.0	..	0.7	0	0	2	01	1	0	0	0	0	0	0	29	0
	0830	131	1012.6	997.8	+1.2	26.3	22.5	20.6	24.3	72	- 5	2.1	-1.6	5.5	0	1	13	00	5	8	1	0	0	0	0	17	0
	1130	131	1011.3	996.6	..	29.8	23.9	20.9	24.9	59	..	3.1	..	10.5	0	1	30	00	1	13	6	3	6	0	2	0	0
	1430	131	1008.7	994.0	..	30.9	24.1	20.7	24.5	55	..	3.8	..	8.5	0	1	24	00	1	2	1	6	13	2	0	6	0
	1730	131	1008.9	994.1	+1.0	26.4	23.7	22.4	27.1	79	- 4	3.1	-0.4	3.4	0	0	9	02	2	2	0	0	1	2	0	22	0
	2030	131	1010.9	995.9	..	23.8	22.3	21.6	25.9	88	..	2.3	..	1.7	0	0	6	01	1	1	0	0	0	0	3	25	0
	2330	131	1011.3	996.2	..	22.9	21.7	21.1	25.1	90	..	1.5	..	2.0	0	0	6	01	2	1	0	0	0	0	2	24	0
JALPAIGURI	0830	83	1012.9	1003.5	+0.9	24.2	21.7	20.3	24.0	79	- 3	1.4	-1.7	3.2	0	0	26	17	6	3	0	0	0	0	0	5	0
	1730	83	1006.8	999.5	+0.7	27.7	23.6	21.6	25.9	70	- 1	1.2	-1.4	0.5	0	0	4	01	2	1	0	0	0	0	0	27	0
COOCH BEHAR AERODROME	0830	43	1013.0	1008.2	+1.5	25.8	22.7	21.0	25.1	75	- 3	2.5	-1.2	9.3	0	0	29	00	8	21	0	0	0	0	0	2	0
	1130	43	1011.4	1006.6	..	28.9	24.1	21.8	26.3	66	..	3.2	..	9.0	0	1	29	00	5	12	1	1	1	0	0	1	10
	1730	43	1009.1	1004.4	+1.1	26.7	23.6	22.1	26.8	77	- 3	2.2	-1.0	1.0	0	1	1	01	1	0	0	0	0	0	0	29	0
BALURGHAT $	0830	26	1011.6	1009.1	..	28.0	24.7	23.1	28.4	75	..	1.3	..	2.0	0	0	23	07	5	4	1	3	1	0	2	8	0
	1730	26	1008.6	1005.7	..	27.9	25.1	23.8	29.6	79	..	0.9	..	0.2	0	0	3	01	1	0	1	0	0	0	0	28	0
MALDA $	0830	31	1012.5	1008.9	+0.9	27.6	23.8	22.0	26.5	72	- 3	1.6	-1.5	0.7	0	0	10	01	4	1	2	1	0	0	1	21	0
	1730	31	1008.7	1005.2	+0.6	28.3	23.8	21.5	25.8	67	- 6	1.5	-1.5	0.5	0	0	5	01	1	1	0	1	0	1	0	26	0
HASHIMARA AERODROME $	0530		1012.0	998.6	..	19.3	18.7	18.3	21.2	94	..	2.0	..	1.3	0	0	5	04	0	0	0	0	1	0	0	26	0
	0830		1013.5	1000.4	..	25.9	22.6	20.9	24.9	74	..	2.5	..	2.4	0	0	11	02	4	2	1	1	1	0	0	20	0
	1130		1011.9	999.0	..	31.0	24.5	21.4	25.6	57	..	3.2	..	7.9	0	0	26	00	0	1	3	15	4	3	0	5	0
	1730		1009.5	996.6	..	24.6	23.1	22.3	27.0	87	..	2.8	..	1.0	0	0	4	01	1	0	0	1	0	1	0	27	0
	2330		1012.2	998.8	..	21.0	20.2	19.8	23.2	93	..	1.5	..	1.2	0	0	3	03	0	0	0	0	0	0	0	25	0
GANGETIC WEST BENGAL																											
BERHAMPORE	0830	19	1012.5	1010.4	+1.2	27.3	24.1	22.6	27.5	76	+ 0	2.1	-1.2	0.3	0	0	3	01	0	1	0	0	1	0	0	28	0
	1730	19	1008.7	1006.6	+0.8	27.7	24.0	22.2	26.8	72	- 1	1.9	-2.0	0.1	0	0	1	00	0	0	1	0	0	0	0	30	0
SURI	0830		..	..	..	26.1	23.5	21.3	25.4	67	- 9	1.2	-2.5	2.9	0	0	31	07	1	11	0	10	0	2	0	0	0
ASANSOL $ $	0230	126	1010.2	995.7	..	22.3	21.1	20.5	24.3	90	..	1.5	..	0.4	0	0	3	00	3	0	0	0	0	0	0	28	0
	0530	126	..	..	..	..	..	..	..	..	..	2.4	..	0.7	0	0	6	02	2	1	0	0	0	1	0	21	0
	0830	126	1012.3	998.0	+1.0	27.5	23.2	20.9	24.9	68	- 9	2.1	-1.2	1.6	0	0	18	01	5	2	2	0	0	2	6	13	0
	1130	126	1011.0	996.9	..	30.9	23.4	19.4	22.8	51	..	3.1	..	3.5	0	0	27	07	4	2	4	4	1	1	4	4	0
	1430	126	1008.5	994.5	..	31.4	23.5	19.3	22.6	50	..	3.4	..	3.8	0	0	27	08	5	1	3	2	0	1	7	4	0
	1730	126	1008.7	994.5	+1.4	27.8	23.5	21.3	25.5	68	- 1	2.4	-1.5	1.1	0	0	7	01	1	1	1	1	0	1	1	23	0
	2030	126	1010.8	996.4	..	24.6	22.4	21.3	25.5	82	..	1.3	..	0.8	0	0	6	00	2	2	0	1	0	0	1	25	0
	2330	126	1011.0	996.6	..	23.1	21.6	20.8	24.7	87	..	1.4	..	0.7	0	0	5	01	1	1	0	1	1	0	0	26	0
SHANTI NIKETAN	0830	59	1012.6	1006.0	..	26.7	23.5	21.8	26.3	75	..	2.2	..	1.2	0	0	10	06	2	0	0	1	0	0	1	21	0
	1130	59	1011.9	1005.3	..	29.6	23.1	19.5	23.0	56	..	2.8	..	0.7	0	0	8	06	2	0	0	0	0	0	0	23	0
	1730	59	1009.2	1002.5	..	27.1	24.0	22.5	27.4	76	..	2.3	..	0.4	0	0	3	02	0	1	0	0	0	0	0	28	0
KRISHNANAGAR	0830	15	1012.2	1010.5	+0.8	28.1	24.5	22.9	27.9	74	- 3	1.6	-1.7	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	15	1009.8	1008.2	+1.8	28.3	24.5	22.7	27.6	72	- 4	2.0	-1.8	0.1	0	0	2	02	0	0	0	0	0	0	0	29	0
PURULIA	0830	255	1013.0	984.2	+1.6	25.1	21.9	20.1	23.7	74	+ 0	2.3	-0.8	1.6	0	0	20	08	1	1	1	1	0	3	5	11	0
	1730	255	1009.1	980.8	+1.5	28.1	22.6	19.5	22.9	60	- 7	2.6	-1.4	0.5	0	0	5	02	1	0	2	0	0	0	0	26	0
BANKURA	0830	100	1012.0	1000.7	..	27.3	23.0	20.7	24.6	68	..	1.3	..	0.6	0	0	9	01	4	1	0	0	1	1	1	22	0
	1730	100	1008.1	997.0	..	29.3	23.6	20.7	24.6	61	..	1.6	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
BURDWAN	0830	32	1012.0	1008.6	+1.1	27.6	23.8	21.8	26.3	71	- 7	1.8	-1.1	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	32	1008.5	1004.8	+0.6	30.2	24.9	22.5	27.2	63	-10	1.6	-1.6	..	.	..	..	..	..	..	..	..	..	..	..	..	..
CALCUTTA (DUM DUM)	0230	6	1009.3	1008.6	..	24.3	23.4	22.9	28.1	92	..	1.8	..	2.2	0	0	6	01	0	1	1	1	0	1	1	25	0
	0530	6	1010.0	1009.3	..	23.7	23.0	22.7	27.7	94	..	2.8	..	2.6	0	1	7	01	0	1	1	1	0	1	3	23	0
	0830	6	1011.8	1011.1	+0.6	27.6	24.2	22.6	27.6	75	- 2	2.6	-1.1	8.1	0	0	27	06	6	6	1	1	2	2	3	4	0
	1130	6	1010.5	1009.8	..	29.9	24.2	21.3	25.6	61	..	4.4	..	10.9	0	1	29	09	9	7	1	1	0	2	1	1	0
	1430	6	1008.2	1007.5	..	30.6	24.2	21.0	25.2	58	..	4.4	..	11.4	0	1	29	10	8	4	0	3	2	1	2	1	0
	1730	6	1008.4	1007.7	+0.4	28.7	24.9	23.2	28.5	72	- 5	3.7	-0.7	3.9	0	0	14	06	3	0	2	2	1	0	0	17	0
	2030	6	1010.3	1009.6	..	26.1	24.4	23.6	29.3	87	..	1.7	..	2.8	0	0	10	00	1	0	1	5	2	0	1	21	0
	2330	6	1010.1	1009.7	..	25.0	23.8	23.2	28.5	89	..	1.7	..	2.6	0	1	5	01	2	1	0	0	2	0	0	25	0
CALCUTTA	0830	6	1011.9	1011.2	+0.7	28.9	24.4	22.2	26.9	68	-12	3.3	-0.2	3.8	0	0	23	03	7	3	0	0	1	4	5	8	0
	1130	6	1010.5	1009.8	..	30.9	24.1	20.7	24.7	56	..	5.0	..	5.7	0	0	29	07	3	2	4	0	3	2	8	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lt. in sqrs. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	28 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NGETIC WEST BENGAL (CONTD)																											
CALCUTTA	1730	6	1008.6	1007.9	+0.7	28.5	24.2	22.0	26.6	68	- 9	3.9	-0.3	2.3	0	0	21	06	0	2	1	2	1	1	8	10	0
MIDNAPORE	0830	45	1012.3	1007.1	+1.0	27.6	23.9	22.1	26.7	73	- 5	2.2	-1.1	2.8	0	0	23	10	3	6	0	2	1	0	1	8	0
	1730	45	1008.7	1003.5	+0.9	28.8	24.3	22.1	26.7	68	- 6	2.0	-1.9	0.6	0	0	6	00	2	1	1	1	1	0	0	25	0
CONTAI	0830	11	1011.4	1010.2	+1.1	28.2	24.8	23.1	28.5	75	- 6	2.9	-0.5	4.6	0	1	26	13	6	0	1	1	2	0	4	4	0
	1730	11	1008.4	1007.2	+0.8	28.2	25.0	23.6	29.2	76	- 6	3.8	+0.5	2.9	0	0	15	01	2	1	3	8	0	0	0	16	0
SAGAR ISLAND	0830	3	1011.2	1010.9	+0.6	27.9	25.1	23.8	29.6	79	+ 1	3.2	-1.2	6.9	0	1	29	09	4	2	1	1	1	4	8	1	0
	1730	3	1008.2	1007.9	+0.6	28.3	24.8	23.2	28.7	74	- 5	3.8	-0.8	5.3	0	1	20	04	2	1	1	6	3	0	4	10	0
SANDHEADS	0530	10	1010.3	1009.2	..	27.9	24.5	22.8	27.9	74	..	3.5	..	12.7	1	3	23	10	6	1	1	0	3	1	5	4	0
	0830	10	1011.4	1010.3	+0.6	28.9	24.9	23.0	28.2	71	- 3	3.5	-0.5	11.5	0	2	26	06	10	1	1	3	4	0	3	3	0
	1130	10	1010.8	1009.7	..	30.1	25.3	23.1	28.8	84	..	3.6	..	13.9	1	3	23	08	6	1	2	0	4	0	6	4	0
	1730	10	1009.5	1008.0	+1.1	30.4	25.4	23.0	26.4	76	+ 2	3.3	-0.7	10.5	0	3	20	06	3	2	2	2	1	2	5	8	0
	2330	10	1010.3	1009.2	..	28.1	24.5	22.7	27.8	73	..	1.9	..	8.0	0	1	21	05	1	2	4	2	4	1	3	9	0
BAGATI	0830		..	..	..	27.5	24.4	23.0	28.2	76	..	3.4	..	3.8	0	0	29	08	5	1	0	1	5	5	4	2	0
ISSA	1730		..	..	..	28.0	24.9	23.3	28.8	76	..	2.4	..	2.6	0	0	25	05	3	1	0	2	5	2	7	6	0
BARIPADA	0830	54	1012.8	1006.6	+1.3	26.2	22.7	20.8	24.8	72	- 5	2.3	-1.6	2.1	0	0	21	10	0	0	0	0	0	0	11	10	0
	1730	54	1009.5	1003.4	+1.2	28.0	23.4	20.9	25.1	66	-12	3.6	-0.8	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
JHARSUGUDA	0230	230	1010.1	983.9	..	22.4	21.3	20.6	24.4	90	..	2.4	..	1.8	0	0	12	05	5	0	2	0	0	0	0	19	0
	0530	230	1010.8	984.5	..	21.6	20.7	20.2	23.8	92	..	3.1	..	3.0	0	0	19	07	9	1	0	1	0	0	1	12	0
	0830	230	1012.4	986.4	+1.6	25.7	22.1	20.2	23.8	70	- 8	2.4	-1.8	4.0	0	0	23	05	10	4	3	0	0	1	0	8	0
	1130	230	1011.0	985.4	..	30.0	23.0	19.3	22.5	53	..	3.1	..	5.8	0	0	27	07	8	4	1	1	0	2	4	4	0
	1430	230	1008.2	983.0	..	31.7	22.5	17.2	19.8	43	..	3.2	..	6.2	0	0	27	06	5	7	2	0	2	2	3	4	0
	1730	230	1008.5	982.9	+1.3	29.1	22.7	19.1	22.2	56	-13	3.0	-1.5	2.9	0	0	18	01	2	3	2	3	3	3	1	13	0
	2030	230	1010.7	984.8	..	25.6	22.1	20.2	23.9	73	..	2.1	..	2.5	0	0	16	00	2	1	2	2	5	2	2	15	0
	2330	230	1011.0	984.9	..	23.7	21.7	20.7	24.6	84	..	2.4	..	2.8	0	0	17	02	6	3	4	1	0	1	0	14	0
KEONJHARGARH	0830	463	1012.1	960.5	+0.5	23.8	22.6	22.1	26.7	91	+15	0.4	-3.4	1.0	0	0	30	01	6	0	4	1	9	7	2	1	0
BALASORE	1730	463	1007.4	953.8	-3 ...	..	..	..	..	.	..	0.0	-5.0	1.0	0	0	31	01	9	0	6	0	9	3	3	0	0
	0830		(R)																								
	1730		(R)																								
SAMBALPUR	0830	148	1012.2	995.6	+1.0	29.7	24.5	22.0	26.5	64	-14	2.5	-1.1	0.1	0	0	1	00	0	1	0	0	0	0	0	30	0
	1730	148	1008.2	991.7	+0.7	29.6	24.3	21.9	26.3	64	- 3	1.9	-2.3	0.3	0	0	1	00	0	0	0	0	1	0	0	30	0
ANGUL	0830	139	1012.2	996.5	+0.9	25.7	22.9	21.5	25.7	78	- 3	2.5	-2.0	2.2	0	0	30	09	0	1	2	0	2	3	13	1	0
	1730	139	1008.5	993.1	+0.9	29.8	23.2	19.6	23.2	56	-11	3.4	-1.5	2.5	0	0	29	05	1	3	5	3	1	2	9	2	0
CHANDBALI	0830	6	1012.3	1011.6	+1.3	27.7	25.1	24.1	30.1	80	- 2	3.1	-0.6	3.5	0	0	31	10	3	1	1	0	0	4	12	0	0
	1730	6	1009.5	1008.8	+1.5	28.6	25.0	23.2	28.8	74	- 5	1.9	-2.3	2.8	0	0	30	09	5	8	6	1	0	0	1	1	0
BOLANGIR	0830	190	1012.0	990.5	+1.6	26.2	22.6	20.7	24.6	72	- 6	2.5	-2.0	0.8	0	0	6	01	2	0	1	2	0	0	0	25	0
	1730	190	1008.3	986.1	+0.2	29.6	23.4	20.1	23.8	58	-10	2.7	-2.2	0.5	0	0	5	02	2	0	0	1	0	0	0	26	0
PHULBANI	0830	464	1010.1	958.6	..	24.6	21.3	19.7	23.0	74	..	1.2	..	0.1	0	0	1	00	0	0	0	0	0	1	0	30	0
	1730	464	1007.0	956.0	..	26.9	22.1	19.7	23.3	66	..	1.3	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
CUTTACK	0830	27	1012.6	1009.5	+1.5	27.5	24.5	23.2	28.4	77	- 2	1.5	-2.3	1.8	0	0	17	06	1	3	0	0	0	5	2	14	0
	1730	27	1009.4	1006.4	+1.7	31.4	25.3	22.5	27.4	60	-12	1.7	-3.1	1.2	0	0	12	00	1	8	0	1	0	1	1	19	0
TITLAGARH	0830	211	1012.1	988.2	+1.8	25.7	23.0	21.5	25.9	79	+ 0	4.4	+1.1	2.0	0	0	31	00	6	0	8	0	13	0	4	0	0
	1730	211	1006.6	983.2	+0.1	29.7	25.7	23.8	29.6	71	+ 2	4.5	+0.4	1.9	0	0	30	02	19	0	0	0	7	0	2	1	0
BHUBANESWAR	0230	46	1009.9	1004.7	..	24.9	24.0	23.6	29.3	92	..	2.6	..	3.2	0	0	10	03	0	2	0	1	1	1	2	21	0
	0530	46	1010.3	1005.1	..	23.8	23.2	22.9	27.9	95	..	3.1	..	4.1	0	0	14	05	2	0	0	0	0	5	2	17	0
	0830	46	1012.1	1006.9	+1.5	27.2	24.3	23.0	28.1	78	- 2	2.5	-2.2	8.1	0	1	20	10	4	1	0	0	1	2	3	10	0
	1130	46	1011.2	1006.1	..	30.2	24.4	21.5	25.7	61	..	4.3	..	10.3	0	4	23	05	9	4	0	0	0	5	4	4	0
	1430	46	1008.7	1003.5	..	30.8	24.1	20.8	24.8	57	..	5.0	..	14.3	1	3	25	08	7	6	3	0	0	1	4	2	0
	1730	46	1009.0	1003.8	+1.3	28.7	24.4	22.3	27.1	70	- 8	4.3	-1.1	8.3	0	1	23	02	4	8	6	0	1	2	1	7	0
	2030	46	1011.1	1005.9	..	26.3	24.4	23.5	29.0	84	..	2.8	..	5.1	0	0	17	01	1	4	4	3	1	2	1	14	0
	2330	46	1010.7	1005.9	..	25.6	24.4	23.9	29.7	90	..	2.7	..	4.3	0	0	14	03	1	1	2	2	3	2	0	17	0
PURI	0830	6	1013.4	1012.7	+2.5	28.6	26.6	25.8	33.3	86	+ 9	4.5	+0.5	6.3	0	0	27	12	1	2	2	0	3	0	7	4	0
	1730	6	1009.6	1008.9	+1.7	28.7	26.6	25.7	33.5	85	+10	4.6	-0.2	7.5	0	0	30	10	2	0	5	6	4	0	3	1	0
GOPALPUR	0530	17	1010.0	1008.1	..	24.2	23.2	22.7	27.5	91	..	4.1	..	9.4	0	0	31	15	0	0	0	0	0	0	16	0	0
	0830	17	1012.2	1010.2	+1.2	26.8	24.1	22.8	27.8	79	- 1	3.4	-0.8	9.1	0	0	29	13	1	0	0	0	0	0	15	2	0
	1130	17	1011.2	1009.3	..	30.2	25.1	22.8	27.9	66	..	3.9	..	11.0	0	0	31	08	6	6	5	2	0	0	4	0	0
	1730	17	1009.1	1007.2	+1.2	28.8	24.7	22.7	27.6	70	- 7	4.4	-0.4	10.3	0	0	31	01	2	10	12	4	0	0	2	0	0
	2330	17	1010.9	1009.0	..	26.2	24.2	23.2	28.5	83	..	3.2	..	5.9	0	0	23	05	1	1	1	1	5	5	4	8	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - OCTOBER 1969 (ASVINA 9 - KARTIKA 9, 1891 SAKA)

Sub-division and station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind speed (Km. p.h.) 62 or more	39 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORISSA (CONTD.)																											
KORAPUT	0830	913	1526.3	912.4	+1.7	22.7	19.5	17.7	20.4	74	- 7	2.8	-0.9	16.3	0	1	29	02	9	2	6	2	1	0	8	0	0
	1730	913	1503.8	909.8	+1.5	23.5	19.2	16.7	19.2	68	- 5	3.7	-1.5	16.5	0	2	29	03	8	1	5	0	0	0	14	0	0
PARADIP PORT	0830	11	1011.3	1010.4	..	29.4	27.4	26.6	34.8	85	..	1.4	..	16.8	0	10	21	06	1	3	3	5	3	7	3	0	0
	1730	11	1008.5	1007.6	..	29.5	27.5	26.7	35.2	85	..	1.6	..	21.5	0	17	14	02	1	11	4	10	1	1	1	0	0
ROURKELA	0830	196	1012.9	990.6	..	25.7	22.5	20.8	24.7	75	..	2.2	..	1.4	0	1	5	00	3	2	0	0	0	1	0	25	0
	1730	196	1009.0	987.1	..	29.6	23.0	19.5	22.9	56	..	2.5	..	2.3	0	1	8	00	3	1	1	1	0	2	1	22	0
BHOWANI PATNA	0830	267	..	..	..	27.9	23.5	21.3	25.4	68	..	2.1	..	11.6	1	0	31	05	0	2	8	9	7	0	0	0	0
	1730	267	..	..	..	28.6	23.7	21.3	25.5	65	..	2.0	..	2.1	0	0	31	11	7	2	6	5	0	0	0	0	0
BIHAR PLATEAU																											
DUMKA	0830	149	1012.4	995.6	+1.1	27.1	22.2	19.5	22.8	63	-11	1.2	-1.2	2.5	0	0	16	02	3	6	2	0	0	3	0	14	0
	1730	149	1008.4	991.7	+0.3	27.8	22.4	19.5	22.7	62	- 7	1.2	-1.7	0.9	0	0	7	01	3	1	1	0	0	1	0	24	0
DALTONGANJ	0830	221	..	..	..	26.9	24.6	23.5	29.2	83	+10	0.7	-1.9	3.9	0	0	29	00	0	0	0	0	11	0	18	1	0
	1730	221	..	..	..	26.5	25.1	24.5	30.7	90	+30	1.1	-2.2	3.5	0	0	27	00	0	0	0	0	17	0	10	4	0
HAZARIBAGH	0830	611	..	..	..	..	..	..	..	..	..	1.3	-1.7	1.5	0	0	19	01	1	3	1	2	5	2	4	12	0
	1730	611	..	..	..	..	..	..	..	..	..	2.1	-1.4	1.7	0	0	18	05	1	1	3	0	0	0	8	12	0
DHANBAD	0830	257	1011.7	982.8	+0.4	25.7	21.9	19.7	23.1	70	- 2	1.2	-2.9	0.9	0	0	9	00	3	1	1	0	1	1	2	22	0
	1730	257	1008.4	979.7	..	27.7	22.5	19.8	22.5	63	..	1.3	..	1.3	0	1	2	00	2	0	1	0	0	0	0	28	0
RANCHI AERODROME	0530	652	1011.2	938.2	..	19.4	18.0	17.2	19.8	87	..	1.6	..	2.3	0	0	8	00	1	0	0	0	1	2	4	23	0
	0830	652	1012.1	940.0	+1.1	23.8	19.9	17.7	20.4	70	- 2	1.6	-2.4	5.7	0	0	17	02	4	1	0	1	1	2	6	14	0
	1130	652	1010.3	939.1	..	27.1	20.1	15.9	18.5	52	..	2.5	...	12.6	0	2	26	06	11	4	1	0	0	0	5	3	1
	1430	652	1007.8	936.9	..	27.7	22.1	15.0	17.3	48	..	2.6	..	12.0	0	2	25	03	10	2	1	0	0	1	10	4	0
	1730	652	1008.6	937.1	+1.1	25.4	19.9	16.7	19.2	60	- 9	2.3	-2.0	8.0	0	0	26	07	2	7	2	1	0	1	6	5	0
	2030	652	1011.4	939.0	..	22.5	19.4	17.7	20.4	74	..	0.7	..	3.7	0	0	12	00	1	1	0	0	4	1	5	18	0
JAMSHEDPUR	0830	129	1013.2	998.5	+1.6	25.1	22.5	21.2	25.2	79	+ 2	1.5	-1.9	0.6	0	0	9	03	0	0	0	0	0	2	4	22	0
	1730	129	1009.5	995.0	+2.1	28.6	24.4	22.5	27.2	70	+ 2	2.0	-2.1	0.6	0	0	7	00	3	2	2	0	0	0	0	24	0
JAMSHEDPUR P.B.O.	0530	142	1010.7	994.4	..	21.6	20.9	20.5	24.2	93	..	3.3	..	0.3	0	0	2	00	0	0	0	0	0	1	1	29	0
	0830	142	1012.3	996.2	+1.3	25.0	22.3	21.0	25.0	79	+ 1	2.2	-1.8	2.5	0	0	13	00	1	1	0	0	1	1	9	18	0
	1130	142	1011.0	995.1	..	29.5	23.5	20.3	24.0	58	..	2.8	..	4.3	0	0	23	02	3	3	0	0	5	1	9	8	0
	1430	142	1008.3	992.5	..	30.6	23.0	18.7	21.8	50	..	3.3	..	4.7	0	0	23	04	1	2	2	0	3	0	11	8	0
	1730	142	1008.4	992.5	+1.0	29.0	23.3	20.3	23.9	61	- 6	3.1	-1.5	1.6	0	1	5	00	0	4	1	0	0	0	1	25	0
	2030	142	1010.6	994.5	..	25.2	23.0	21.9	26.2	82	..	2.4	..	1.1	0	0	4	00	0	2	0	0	0	0	2	27	0
	2330	142	1011.0	994.8	..	23.4	22.0	21.3	25.5	88	..	1.4	..	0.7	0	0	4	01	0	2	1	0	0	0	0	27	0
CHAIBASA	0830	226	..	..	..	25.2	22.0	20.3	23.8	74	- 3	2.5	-1.3	0.5	0	0	8	00	2	0	1	0	5	0	0	23	0
	1730	226	..	..	..	27.9	22.8	20.0	23.5	63	- 5	3.1	-1.5	0.3	0	0	4	00	1	0	1	0	2	0	0	27	0
BIHAR PLAINS																											
MOTIHARI	0830	66	1012.0	1004.5	+0.9	26.1	23.8	22.8	27.9	82	+ 5	1.3	-0.7	1.7	0	0	20	00	0	17	3	0	0	0	0	10	0
	1730	66	1008.1	1000.7	+0.5	28.8	25.9	24.6	31.3	77	+ 3	1.2	-0.3	0.6	0	0	8	00	0	1	0	0	0	7	0	21	0
FORBESGANJ	0830	61	1012.3	1005.4	+1.4	25.9	23.2	21.8	26.3	79	+ 1	1.8	-1.3	2.5	0	0	27	00	3	24	0	0	0	0	0	4	0
	1730	61	1008.5	1001.6	+1.0	28.4	24.5	22.7	27.7	71	+ 0	1.0	-1.7	0.5	0	0	7	00	1	0	0	0	2	4	0	24	0
DARBHANGA	0830	49	1012.6	974.9	-1.1	28.6	24.3	22.3	26.9	69	- 6	1.5	-0.9	0.2	0	0	3	00	0	2	1	0	0	0	0	28	0
	1730	49	1009.0	1003.5	+1.1	29.5	24.3	21.7	26.1	63	- 6	0.6	-1.4	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
MUZAFFARPUR	0830	58	1012.3	1005.7	..	27.5	24.1	22.5	27.4	73	..	0.5	..	1.8	0	0	27	04	6	0	1	0	15	0	1	4	0
	1730	58	1008.6	1002.3	..	29.3	24.8	22.6	27.9	68	..	1.3	..	1.1	0	0	17	01	5	1	1	0	6	0	3	14	0
CHAPRA	0830	38	1012.5	1008.1	+0.7	27.0	24.0	22.6	27.6	78	+ 1	1.5	-1.2	0.5	0	0	8	01	0	6	0	0	0	1	0	23	0
	1730	38	1008.9	1004.6	+1.0	28.0	25.1	23.7	29.7	78	+ 1	1.5	-0.8	0.1	0	0	1	00	0	1	0	0	0	0	0	29	0
PURNEA	0230	60	1009.5	1002.7	..	23.4	22.5	22.0	26.7	91	..	1.0	..	0.5	0	0	3	00	0	3	0	0	0	0	0	28	0
	0530	60	1009.7	1002.9	..	22.6	21.8	21.3	25.5	93	..	1.4	..	0.6	0	0	4	00	0	2	0	2	0	0	0	26	0
PATNA AERODROME	0830	60	1011.7	1005.0	+1.1	26.7	23.4	21.7	26.1	75	+ 1	1.5	-1.1	4.0	0	0	21	00	1	4	3	2	7	2	2	10	0
	1130	60	1011.0	1004.2	..	30.3	24.1	20.9	24.9	58	..	2.9	..	5.7	0	0	29	00	1	1	3	7	8	4	5	2	0
	1430	60	1008.4	1001.8	..	31.3	23.9	20.1	23.7	52	..	3.4	..	5.7	0	0	28	00	3	3	1	7	5	3	5	3	1
	1730	60	1008.3	1001.6	+1.0	28.6	23.8	21.5	25.6	65	- 2	1.9	-0.7	2.6	0	1	8	01	0	2	0	0	1	4	1	21	0
	2030	60	1010.1	1003.3	..	25.3	23.4	22.4	27.2	84	..	1.2	..	0.4	0	0	3	01	0	2	0	0	0	0	0	28	0
	2330	60	1010.5	1003.7	..	24.1	22.7	22.1	26.7	89	..	1.0	..	0.6	0	0	3	00	1	2	0	0	0	0	0	28	0
BHAGALPUR	0530	49	1010.6	1005.0	..	23.0	21.8	21.2	25.4	90	..	1.8	..	2.4	0	0	18	00	0	0	9	5	3	1	0	13	0
	0830	49	1012.3	1006.8	+1.1	27.3	23.4	21.5	25.8	71	- 4	2.0	-1.0	3.4	0	0	27	01	2	1	10	5	6	2	0	4	0
	1130	49	1011.4	1006.0	..	29.8	23.6	20.4	24.2	58	..	3.5	..	5.2	0	0	30	00	5	2	8	2	5	2	6	1	0
	1730	49	1008.9	1003.4	+1.2	28.3	23.8	21.8	25.9	67	- 6	2.1	-1.0	2.8	0	0	15	00	0	2	2	1	2	3	5	16	0
	2330	49	1011.0	1005.4	..	24.7	22.8	21.8	26.2	84	..	0.9	..	2.7	0	0	22	00	0	1	5	10	6	0	0	9	0
SABAUR	0830	37	1012.5	1008.2	+0.9	26.4	23.7	22.3	27.1	78	+ 1	1.5	-1.4	3.9	0	0	28	02	1	1	6	1	12	3	2	3	0
	1730	37	1008.8	1004.6	+0.9	28.3	24.9	23.3	28.7	75	+ 0	1.6	-1.3	1.1	0	0	9	00	1	1	0	1	2	2	2	22	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BIHAR PLAINS (CONTD.)																											
JAMUI	0830		(R)																								
	1730		(R)																								
DEHRI &	0830	107	1011.6	999.5	+0.9	27.5	22.9	20.7	24.6	66	- 6	0.7	-1.6	2.3	0	0	31	00	1	2	5	8	11	4	0	0	0
	1780	107	1007.8	995.8	+0.8	30.1	24.5	21.8	26.3	62	- 2	1.4	-1.0	2.1	0	0	29	01	14	2	0	0	0	11	1	2	0
GAYA &	0230	116	1010.3	996.9	..	22.5	21.8	21.5	25.8	94	..	0.8	..	2.3	0	0	20	00	1	5	5	8	1	0	0	11	0
	0530	116	1010.7	997.3	..	21.4	20.9	20.7	24.5	96	..	1.7	..	3.0	0	0	23	00	3	7	9	3	1	0	0	8	0
	0830	116	1012.4	999.1	+0.8	25.9	22.7	21.1	25.1	75	+ 3	1.3	-1.2	4.9	0	1	25	00	2	1	6	13	4	0	0	5	0
	1130	116	1011.5	998.5	..	30.3	23.9	20.6	24.4	57	..	1.7	..	6.5	0	0	28	01	2	4	3	1	6	7	4	3	0
	1430	116	1009.0	996.1	..	31.5	23.7	19.7	23.0	50	..	2.4	..	7.4	0	0	28	04	4	2	0	1	1	7	9	3	0
	1730	116	1008.9	995.9	+1.0	29.2	23.8	21.1	25.1	62	+ 1	1.4	-1.3	1.7	0	1	9	01	4	0	0	0	1	2	2	21	0
	2030	116	1010.7	997.5	..	25.6	23.2	22.0	26.4	81	..	0.9	..	2.5	0	0	12	00	4	2	3	2	1	0	0	19	0
	2330	116	1011.1	997.8	..	23.5	22.5	22.0	26.5	92	..	0.9	..	2.1	0	0	15	00	2	2	4	7	0	0	0	16	0
SUPAUL	0830		..	..	..	25.6	24.9	24.7	31.4	94	..	.	..	0.8	0	0	10	00	0	9	0	0	0	1	0	21	0
	1730		..	..	..	28.6	27.6	27.2	36.1	92	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UTTAR PRADESH EAST																											
KHERI &	0830	147	1011.5	994.8	+0.6	25.5	22.7	21.3	25.4	77	- 3	0.2	-1.3	0.7	0	0	6	01	0	3	0	0	0	2	0	25	0
	1730	147	1007.8	991.4	+0.6	29.2	24.0	21.4	25.5	63	- 3	0.0	-1.3	0.3	0	0	4	00	0	0	0	0	0	4	0	27	0
BAHRAICH	0830	124	1011.5	996.2	-0.9	26.2	22.6	20.9	24.8	73	+ 0	0.6	-1.0	2.6	0	0	16	02	1	6	5	1	0	0	1	15	0
	1730	124	1009.2	994.6	+0.6	29.7	23.7	20.4	24.0	58	+ 1	1.0	-0.7	0.5	0	0	4	01	0	0	0	0	0	1	2	27	0
GAUTANWA $ &	0830		(R)																								
	1730		(R)																								
HARDOI	0830	142	1011.2	995.1	+0.8	26.7	22.9	21.0	25.0	71	- 6	0.0	-1.5	0.8	0	0	11	01	0	2	0	2	0	5	1	20	0
	1730	142	1008.3	992.4	+1.1	29.2	24.6	22.4	27.2	67	+ 6	0.0	-1.5	0.3	0	0	2	00	0	0	0	0	0	2	0	29	0
GONDA	0830	110	1012.3	999.9	+0.7	26.8	23.4	21.7	26.0	74	- 5	0.3	-1.3	1.9	0	0	19	01	1	14	0	0	0	2	1	12	0
	1730	110	1008.4	996.1	+0.2	28.9	24.6	22.6	27.5	69	+ 3	0.1	-1.4	0.1	0	0	1	00	0	0	0	0	0	0	1	29	0
LUCKNOW	0830	111	1010.3	997.9	-0.8	25.3	22.6	21.1	25.1	78	+ 6	0.1	-0.8	0.0	0	0	0	00	0	0	0	0	0	0	0	17	0
	1730	111	1008.2	995.8	+0.7	31.0	23.5	19.5	22.6	51	- 9	0.4	-1.1	0.0	0	0	0	00	0	0	0	0	0	0	0	17	0
LUCKNOW(AMOUSI)	0230	128	1009.5	994.8	..	21.2	20.1	19.4	22.6	90	..	0.1	..	1.0	0	0	5	00	1	2	1	0	0	0	1	26	0
	0530	128	1009.9	995.1	..	20.1	19.3	18.8	21.8	92	..	0.2	..	1.7	0	0	10	00	2	4	0	0	1	3	0	21	0
	0830	128	1011.5	997.1	+0.7	25.5	21.7	19.7	23.0	71	- 2	0.2	-1.7	6.3	0	0	23	00	1	3	7	1	4	4	3	8	0
	1130	128	1010.9	996.8	..	31.3	22.7	17.9	20.3	45	..	0.2	..	10.1	0	1	29	03	0	1	7	2	5	8	4	1	0
	1430	128	1008.4	994.3	..	32.5	22.4	16.4	18.8	38	..	1.0	..	10.7	0	2	27	03	2	3	5	0	0	6	10	2	0
	1730	128	1008.1	993.8	+0.4	29.3	23.0	19.6	23.1	57	- 5	0.3	-1.8	3.2	0	0	16	03	0	1	1	0	1	2	8	15	0
	2030	128	1010.0	995.3	..	23.8	21.5	20.2	23.7	80	..	0.2	..	1.4	0	0	9	00	0	2	3	0	0	2	2	21	0
	2330	128	1010.5	995.8	..	22.3	20.6	19.6	22.9	85	..	0.1	..	2.0	0	0	12	00	1	3	2	1	0	3	2	19	0
FAIZABAD	0830	102	1011.8	1000.2	+0.9	25.8	22.9	21.4	25.7	77	+ 1	0.7	-1.5	1.7	0	0	19	00	0	6	5	2	0	6	0	12	0
	1730	102	1008.4	997.0	+0.5	28.3	25.7	24.6	31.0	81	+ 8	0.5	-1.7	0.1	0	0	1	00	0	0	1	0	0	0	0	30	0
GORAKHPUR	0830	77	1011.7	1003.1	+0.8	26.8	22.9	20.9	24.8	70	- 4	0.8	-1.1	0.5	0	0	8	00	0	3	1	0	1	3	0	23	0
	1730	77	1008.6	999.9	+0.8	30.0	23.1	19.4	22.6	54	- 7	1.1	-0.8	0.8	0	0	11	00	0	0	1	3	0	2	5	20	0
GORKHPUR P.B.O. &	0230	78	1009.7	1000.6	..	25.2	22.8	21.7	26.1	81	..	0.1	..	0.5	0	0	5	02	1	1	0	0	0	1	0	26	0
	0530	78	1109.6	1000.9	..	24.9	21.6	20.8	25.8	88	..	0.3	..	20.6	1	0	7	03	1	1	0	0	0	2	1	23	0
	1130	78	1011.2	1002.4	..	29.5	23.6	21.2	25.2	61	..	1.5	..	3.5	0	0	27	02	0	2	8	7	0	1	7	4	0
	1430	78	1008.6	999.8	..	30.6	23.4	20.3	24.4	55	..	2.3	..	4.2	0	0	31	02	2	0	4	8	3	5	7	0	0
	2030	78	1010.1	1001.4	..	27.1	23.3	21.7	26.1	73	..	0.2	..	0.5	0	0	7	02	1	1	0	0	0	1	2	24	0
	2330	78	1010.5	1001.6	..	25.9	23.0	21.8	26.2	78	..	0.0	..	1.5	0	0	11	02	3	1	2	0	0	1	2	20	0
KANPUR $ &	0830	126	1010.7	996.4	-0.6	26.6	20.4	16.6	19.1	55	-14	0.1	-1.1	3.4	0	0	14	00	0	3	1	0	0	9	1	17	0
	1730	126	1007.5	993.4	-0.6	30.5	24.0	20.6	24.8	56	+ 4	0.1	-1.3	2.2	0	0	9	00	0	2	0	0	0	6	1	22	0
KANPUR(AERODROME) $ &	0530	126	1010.2	995.7	..	21.2	19.8	18.9	22.0	87	..	0.4	..	2.9	0	0	12	01	0	4	0	0	2	4	1	19	0
	0830	126	1011.8	997.5	..	25.9	21.7	19.2	22.5	67	..	0.4	..	8.8	0	0	28	01	0	6	5	2	3	7	3	3	1
	1130	126	1011.3	997.3	..	32.0	22.6	17.2	19.8	42	..	0.1	..	12.0	0	0	30	03	0	6	5	1	3	7	5	0	0
	1730	126	1008.3	994.5	..	30.4	22.7	18.4	21.3	49	..	0.4	..	6.2	0	0	24	04	2	7	3	0	0	4	4	6	0
	2330	126	1010.6	996.1	..	24.2	21.0	19.0	22.1	74	..	0.0	..	1.2	0	0	4	00	0	2	1	0	0	1	0	27	0
SULTANPUR	0830	97	1011.7	1000.9	+0.7	29.0	23.5	20.7	24.6	62	-10	0.3	-1.8	0.7	0	0	9	00	1	2	1	2	1	1	1	22	0
	1730	97	1008.4	997.6	+0.7	29.9	24.0	21.1	25.1	60	- 2	0.4	-1.9	0.3	0	0	4	00	0	1	0	0	0	3	0	27	0
AZAMGARH	0830	78	1011.4	1002.6	+1.2	26.5	23.1	21.4	25.7	74	- 1	0.1	-1.5	1.7	0	0	16	00	0	6	1	1	3	5	0	15	0
	1730	78	1008.3	999.6	+1.4	30.2	24.9	22.6	27.6	65	- 4	0.4	-0.8	0.8	0	0	7	00	0	5	0	0	0	2	0	24	0
FATEHPUR	0830	114	..	..	..	26.2	22.2	20.0	23.5	69	+ 0	0.0	-1.5	1.0	0	0	10	00	0	2	1	0	0	7	0	21	0
	1730	114	..	..	..	30.0	23.4	19.9	23.4	55	- 1	0.0	-1.6	0.2	0	0	2	00	0	1	0	0	0	1	0	29	0
BALLIA	0830	64	1011.4	1004.2	+0.5	26.3	23.3	21.8	26.1	77	+ 0	1.0	-1.7	0.9	0	0	15	00	0	6	2	0	0	7	0	16	0
	1730	64	1008.5	1001.3	+0.6	29.0	24.4	22.1	26.8	67	- 1	1.7	-1.4	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or ht. in gpm. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD 6)																											
BANDA	0830	121	(R)																								
	1730	121	(R)																								
ALLAHABAD(BAMHRAULI)	0230	98	1009.4	998.2	+4.2	22.6	20.4	19.2	22.3	81	+22	0.2	-1.4	0.1	0	0	1	00	0	0	0	0	0	1	0	30	0
	0530	98	1009.9	998.6	..	21.3	19.7	18.7	21.7	85	..	0.5	..	0.1	0	0	1	01	0	0	0	0	0	0	0	30	0
	0830	98	1011.7	1000.5	+0.3	26.0	21.8	19.5	22.7	67	- 2	0.5	-1.5	1.5	0	0	11	00	0	1	2	0	0	6	2	20	0
	1130	98	1011.0	1000.1	..	32.3	23.2	18.2	21.2	44	..	0.6	..	2.1	0	0	16	00	0	1	1	2	1	6	5	15	0
	1430	98	1008.4	997.6	..	33.5	23.0	17.0	19.9	38	..	1.4	..	4.9	0	0	28	07	7	3	1	1	0	2	7	3	0
	1730	98	1008.3	997.4	+0.1	31.1	23.8	20.1	24.0	52	+ 0	0.5	-1.7	0.3	0	0	1	00	1	0	0	0	0	0	0	30	0
	2030	98	1010.1	998.9	..	25.9	21.8	19.5	22.8	68	..	0.4	..	0.1	0	0	1	00	0	0	1	0	0	0	0	30	0
	2330	98	1010.5	999.2	..	23.8	20.9	19.3	22.5	76	..	0.2	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
VARANASI(BABATPUR)	0530	85	1010.5	1000.5	..	21.3	20.1	19.4	22.6	89	..	0.8	..	1.0	0	0	6	00	1	2	0	1	2	0	0	25	0
	0830	85	1012.2	1002.3	+0.6	26.4	22.4	20.2	23.8	69	- 2	0.5	-1.5	4.1	0	0	24	00	0	3	5	3	8	5	0	7	0
	1130	85	1011.4	1001.8	..	31.5	22.9	18.1	20.9	45	..	1.4	..	6.9	0	0	26	00	1	5	2	1	4	8	3	5	2
	1730	85	1008.7	999.1	+0.8	30.3	22.5	18.0	20.8	48	-10	0.9	-1.5	4.8	0	0	23	03	4	2	1	0	0	7	5	8	1
	2330	85	1010.8	1000.9	..	23.4	21.1	19.8	23.4	80	..	0.3	..	1.0	0	0	5	00	0	3	2	0	0	0	0	26	0
VARANASI	0830	76	1011.5	1002.9	+0.3	26.2	21.9	19.5	22.7	67	- 6	1.0	-0.9	1.7	0	0	24	01	2	3	2	2	3	11	0	7	0
	1730	76	1008.1	999.6	+0.3	31.0	23.0	18.6	21.5	48	- 7	1.2	-1.5	0.9	0	0	11	00	2	1	2	0	1	4	1	20	0
UTTAR PRADESH WEST																											
MUKHIM	0830		..	..	..	16.3	12.2	9.0	11.5	62	- 7	1.8	..	1.5	0	0	10	01	2	2	0	0	0	3	2	21	0
	1730		..	..	..	16.7	12.4	8.9	11.7	61	- 6	3.0	..	4.1	0	0	24	09	3	4	1	0	0	3	4	7	0
TEHRI	0830	770	..	..	..	17.5	15.8	14.6	16.7	83	+ 4	1.0	-1.3	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1130	770	..	..	..	23.8	16.7	11.9	14.0	48	..	0.9	..	0.1	0	0	2	00	0	2	0	0	0	0	0	29	0
	1730	770	..	..	..	26.0	17.4	11.4	13.5	41	-10	2.8	+0.5	2.4	0	0	23	00	0	2	9	3	7	0	0	8	2
DEHRA DUN	0530	682	1011.7	934.8	..	16.9	15.0	13.6	15.7	81	..	0.5	..	1.5	0	0	10	06	3	0	0	1	0	0	0	21	0
	0830	682	1012.1	935.9	+0.2	20.1	16.8	14.7	16.9	72	+ 4	0.9	-0.5	0.8	0	0	10	10	0	0	0	0	0	0	0	21	0
	1130	682	1011.0	936.4	..	26.5	19.7	15.7	18.0	52	..	1.4	..	2.5	0	0	17	00	0	0	3	3	9	1	0	14	1
	1730	682	1008.4	933.8	+0.4	26.2	20.4	17.3	19.8	59	- 2	1.5	+0.2	1.4	0	0	15	04	0	0	0	1	1	8	1	15	0
	2330	682	1012.0	935.4	..	19.2	16.8	15.2	17.2	78	..	0.1	..	1.7	0	0	7	06	1	0	0	0	0	0	0	24	0
MANSIARI	0830		(R)																								
	1730		(R)																								
ROORKEE	0830	274	1012.3	981.1	+0.7	22.4	19.7	18.0	20.9	77	+ 4	1.1	-0.4	0.9	0	0	14	00	0	0	14	0	0	0	0	17	0
	1730	274	1009.2	978.9	+1.6	30.2	23.7	20.2	24.1	56	+ 5	1.5	+0.1	1.0	0	0	16	00	0	0	14	0	0	0	2	15	0
NAJIBABAD	0830	270	1012.5	981.9	+1.3	23.4	20.1	17.9	20.7	73	- 3	0.1	-1.2	1.5	0	0	13	00	3	5	3	0	0	0	2	18	0
	1730	270	1009.5	979.4	+0.9	28.6	23.0	19.9	23.5	61	+ 2	0.1	-0.9	1.8	0	0	10	00	0	0	1	1	0	2	6	21	0
MEERUT	0830	222	1017.2	987.3	+1.4	23.3	20.1	18.2	21.1	74	+ 5	0.0	-0.9	2.0	0	0	15	00	0	5	0	0	0	5	5	16	0
BAREILLY	0830	173	1011.7	992.0	+0.6	24.9	22.0	20.4	24.1	76	+ 5	0.1	-1.1	3.0	0	0	31	07	3	7	3	1	3	5	2	0	0
	1730	173	1008.3	988.9	+0.6	28.7	23.2	20.4	24.2	60	+ 8	0.0	-1.2	1.5	0	0	19	07	1	2	0	0	2	7	0	12	0
BAREILLY P.B.O.	0230	172	1009.3	989.7	..	23.5	21.1	20.0	23.5	81	..	0.1	..	3.9	0	0	23	01	1	11	4	0	0	4	2	8	0
	0530	172	1009.6	989.9	..	22.3	20.6	19.8	23.2	86	..	0.2	..	4.7	0	0	24	01	5	10	1	0	0	6	1	7	0
	1130	172	1011.2	991.8	..	28.6	22.8	20.0	23.4	60	..	0.1	..	5.8	0	0	31	01	0	7	13	0	0	4	6	0	0
	1430	172	1008.4	989.3	..	30.6	22.3	18.6	21.6	49	..	0.7	..	6.6	0	0	31	01	0	6	6	0	3	6	9	0	0
	2030	172	1009.6	990.2	..	26.3	22.1	20.4	24.1	70	..	0.1	..	3.1	0	0	20	02	6	9	1	0	0	0	2	11	0
	2330	172	1010.1	990.5	..	24.5	21.7	20.5	24.2	78	..	0.1	..	3.1	0	0	18	00	0	11	4	0	0	1	2	13	0
ALIGARH	0830	187	1012.4	990.6	+0.7	24.3	20.1	17.6	20.3	67	+ 4	0.0	-0.8	2.4	0	0	25	00	4	4	6	0	1	10	0	6	0
	1730	187	1008.7	987.4	+1.1	30.8	22.0	16.7	19.2	43	+ 1	0.2	-0.8	1.8	0	0	20	04	1	6	0	0	0	8	1	11	0
MAINPURI	0830	157	1011.5	993.7	+0.4	24.9	21.5	19.7	23.1	73	+ 6	0.0	-1.1	1.7	0	0	18	00	0	0	0	0	0	18	0	13	0
	1730	157	1008.4	990.9	+0.8	29.9	23.9	20.8	24.8	59	+ 9	0.0	-1.2	0.5	0	0	5	00	0	0	0	0	0	5	0	26	0
AGRA	0830	169	1011.9	992.8	+0.5	25.5	19.6	15.9	18.2	56	- 3	0.0	-0.8	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	169	1008.3	989.5	+0.2	31.7	22.1	16.5	18.7	41	+ 1	0.1	-0.8	0.6	0	0	5	00	1	0	0	0	0	0	4	26	0
AGRA AERODROME	0230	169	1009.9	990.5	..	21.4	18.3	16.1	18.4	72	..	0.0	..	2.1	0	0	8	04	0	0	0	1	0	0	3	23	0
	0530	169	..	..	..	..	..	..	..	..	..	0.1	..	2.7	0	0	11	02	2	1	1	2	0	2	1	20	0
	0830	169	1011.8	992.6	..	25.0	20.3	17.2	20.0	63	..	0.3	..	4.9	0	0	20	01	2	2	3	3	1	5	3	11	0
	1130	169	1011.3	992.6	..	32.9	22.0	15.7	18.0	36	..	0.0	..	8.1	0	0	27	04	2	0	2	6	0	7	6	4	0
	1730	169	1008.2	989.5	..	31.4	22.3	17.0	19.5	42	..	0.5	..	5.4	0	0	25	10	2	3	1	0	0	4	5	6	0
	2330	169	1010.5	991.3	..	22.8	18.8	16.0	18.3	67	..	0.0	..	2.9	0	0	14	05	2	2	1	1	0	0	3	17	0
ORAI	0830	141	1012.2	996.7	+1.2	30.9	23.0	18.6	21.6	49	-15	0.1	-1.2	2.2	0	0	31	02	7	1	2	2	0	1	16	0	0
	1730	141	1008.6	993.0	+1.0	32.2	21.7	15.2	17.5	37	-13	0.1	-1.5	2.3	0	0	31	12	6	3	0	1	0	1	8	0	0
JHANSI	0830	251	1011.8	983.4	+0.2	24.4	18.6	14.6	16.8	54	- 6	0.0	-1.3	0.3	0	0	3	00	0	0	0	0	0	0	5	0	26	0
	1730	251	1007.8	980.8	+0.0	32.0	21.6	15.0	16.9	37	- 3	0.0	-2.0	0.9	0	0	10	03	0	1	0	2	0	4	0	21	0
MORADABAD	0830		..	..	..	23.3	20.7	19.5	22.8	76	..	0.0	..	2.5	0	0	24	00	23	0	0	0	0	0	1	6	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gram. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Cloud Amount (Oktas) Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST(CONTD.)																											
MORADABAD	1730		..	..	..	29.7	24.3	21.8	26.2	63	..	0.0	..	2.0	0	0	18	00	16	0	0	0	0	0	2	13	0
UTTAR KASHI	0830		(R)																								
	1730		(R)																								
ASCOT	0830		..	..	..	15.8	11.3	6.9	10.2	57	..	1.1	..	0.8	0	0	11	00	2	7	1	0	1	0	0	20	0
	1730		..	..	..	19.9	14.6	10.2	13.0	56	..	2.6	..	1.4	0	0	12	01	0	2	0	0	1	8	0	19	0
DHARCHULA	0830		..	..	..	..	..	..	..	..	..	0.7	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730		..	..	..	..	..	..	..	..	..	2.5	..	1.2	0	0	8	00	7	0	0	0	0	0	0	23	1
HARYANA(INCLUDING DELHI AND CHANDIGARH)																											
CHANDIGARH	0830	347	1010.8	971.6	+0.1	26.4	20.3	16.7	19.1	56	- 6	0.1	-0.9	2.2	0	0	15	00	5	8	0	0	0	0	2	16	0
	1730	347	1007.7	968.9	-0.3	30.1	21.3	15.8	18.3	43	- 6	0.4	-0.3	2.6	0	0	20	01	0	3	0	0	0	1	15	11	0
AMBALA	0830	272	1011.0	980.0	-0.1	23.1	19.4	17.1	19.7	70	+ 2	0.0	-0.7	1.7	0	0	24	00	3	0	13	0	5	0	3	7	0
	1730	272	1007.8	977.4	+0.2	29.7	22.6	18.6	22.1	53	+12	0.0	-0.7	1.2	0	0	18	00	3	0	5	0	2	0	8	13	0
AMBALA P.B.O.	0230	278	1009.8	978.2	..	22.4	20.0	18.0	21.1	78	..	0.1	..	3.0	0	0	11	00	0	2	4	0	0	0	5	20	0
	0530	278	1010.1	978.3	..	21.1	18.6	17.3	19.7	79	..	0.0	..	3.4	0	0	14	02	1	1	9	0	0	0	2	18	0
	1130	278	1010.7	980.0	..	29.0	23.2	20.6	24.5	61	..	0.2	..	4.8	0	0	19	00	0	0	13	0	0	1	5	12	0
	1430	278	1008.5	977.7	..	30.5	23.9	21.1	25.2	57	..	0.5	..	6.0	0	0	24	03	1	1	7	2	2	1	7	7	0
	2030	278	1009.6	978.3	..	26.3	22.1	20.3	24.2	70	..	0.0	..	2.8	0	0	15	01	0	1	2	1	0	0	10	16	0
	2330	278	1010.2	978.7	..	24.0	20.4	18.7	21.8	72	..	0.0	..	4.6	0	0	21	02	0	4	4	0	0	0	11	10	0
AMBALA AERODROME	0530	274	1010.4	978.7	..	17.7	16.9	16.3	18.7	92	..	0.0	..	26.5	1	0	17	00	1	6	3	0	1	4	1	13	2
	0830	274	1011.8	980.3	..	20.9	19.2	18.1	20.9	84	..	0.2	..	7.3	0	0	21	01	0	3	13	0	0	2	2	10	0
	1130	274	1011.0	980.5	..	29.5	23.1	19.7	23.1	56	..	0.3	..	10.2	0	0	26	00	0	2	14	0	0	7	2	5	1
	1730	274	1008.2	977.6	..	27.3	23.2	21.0	25.2	68	..	0.7	..	6.1	0	0	20	00	0	1	3	1	3	9	3	11	0
	2330	274	1010.6	979.1	..	19.2	18.1	17.5	20.1	90	..	0.0	..	3.3	0	0	12	01	0	2	2	0	0	5	2	18	0
KARNAL	0830	249	1011.7	983.4	+1.1	24.0	19.9	17.3	19.9	67	- 6	0.3	-0.8	2.7	0	0	19	00	1	9	0	1	0	5	3	12	0
	1730	249	1007.5	979.9	+0.1	30.0	21.4	16.0	18.4	43	- 3	0.1	-1.0	2.1	0	0	21	02	0	2	0	1	1	10	5	10	0
HISSAR	0530	221	1010.2	984.7	..	20.1	18.7	17.8	20.4	86	..	0.2	..	4.7	0	0	22	02	0	3	11	1	2	3	0	9	0
	0830	221	1011.7	986.5	+0.2	23.1	20.4	18.6	21.5	76	+15	0.4	-0.1	3.5	0	0	19	01	0	1	6	5	2	3	1	12	0
	1130	221	1011.2	986.6	..	31.5	24.4	20.9	24.9	54	..	0.2	..	4.9	0	0	20	00	0	0	8	0	4	6	1	10	1
	1430	221	1008.6	984.3	..	33.9	24.7	19.8	23.6	44	..	0.4	..	5.0	0	0	24	03	0	4	0	0	4	8	2	7	3
	1730	221	1008.2	983.7	+0.1	31.9	24.8	21.3	25.6	54	+15	0.3	-0.3	1.4	0	0	14	03	3	0	1	0	2	1	4	17	0
	2330	221	1010.4	985.2	..	23.0	20.4	18.9	22.2	78	..	0.0	..	4.8	0	0	26	02	2	9	7	0	2	4	0	5	0
NEW DELHI/SAFDARJUNG	0230	216	1009.9	985.2	..	22.5	19.5	17.7	20.4	74	..	0.0	..	2.5	0	0	15	00	1	5	3	0	0	5	1	16	0
	0530	216	1010.2	985.4	..	21.2	18.6	16.9	19.5	77	..	0.2	..	3.2	0	0	16	00	0	5	2	0	2	6	1	15	0
	0830	216	1011.8	987.2	+0.6	24.3	20.1	17.5	20.2	66	+12	0.1	-0.8	7.2	0	1	25	02	3	6	3	0	4	7	1	5	0
	1130	216	1011.1	987.0	..	31.1	22.2	16.9	19.5	43	..	0.1	..	9.2	0	1	29	00	4	3	4	1	3	8	3	1	4
	1430	216	1008.5	984.7	..	33.3	22.4	16.1	18.5	36	..	0.5	..	9.0	0	2	29	00	3	4	3	1	2	9	9	0	0
	1730	216	1008.1	984.1	+0.5	31.5	22.2	16.9	19.3	42	+ 7	0.4	-0.6	4.0	0	0	20	04	1	3	0	1	0	6	5	11	0
	2030	216	1009.9	985.5	..	26.5	21.1	18.0	20.8	60	..	0.1	..	2.9	0	0	16	01	3	4	1	0	0	6	1	15	0
	2330	216	1010.4	985.9	..	24.1	20.2	17.8	20.6	69	..	0.0	..	2.5	0	0	14	00	0	6	2	0	0	4	2	17	0
PALAM AERODROME	0230	233	1010.0	983.4	..	21.6	18.8	17.0	19.5	75	..	0.0	..	6.5	0	1	17	00	0	4	7	2	2	3	0	13	0
	0530	233	1010.4	983.6	..	20.0	18.0	16.6	19.0	82	..	0.1	..	6.8	0	0	23	00	0	3	6	2	7	4	1	8	0
	0830	233	1011.8	985.3	..	23.8	20.1	17.9	20.6	70	..	0.0	..	8.0	0	1	23	00	0	1	9	2	2	7	3	7	0
	1130	233	1011.2	985.3	..	30.8	22.3	17.3	20.1	45	..	0.1	..	13.3	0	5	24	02	3	0	5	3	1	5	10	2	0
	1430	233	1008.6	983.0	..	32.9	22.9	17.1	19.9	39	..	0.5	..	11.5	0	2	28	07	2	3	2	1	4	3	8	1	0
	1730	233	1008.2	982.4	..	30.7	22.3	17.4	20.1	46	..	0.4	..	6.4	0	0	22	04	2	4	4	1	0	0	7	9	0
	2030	233	1010.0	983.6	..	25.6	20.6	17.6	20.2	62	..	0.0	..	6.7	0	0	21	02	0	6	8	1	1	0	3	10	0
	2330	233	1010.5	984.0	..	23.4	19.6	17.2	19.7	68	..	0.0	..	6.7	0	0	18	01	0	4	9	2	1	1	0	13	0
GURGAON	0830		..	..	..	24.5	19.4	16.2	18.5	60	..	0.0	..	0.3	0	0	2	00	0	0	0	0	0	2	0	25	0
	1730		..	..	..	32.5	21.7	15.0	17.2	35	..	0.3	..	0.2	0	0	2	00	0	0	0	0	0	1	1	24	0
NARNAUL	0830	308	1010.9	976.2	..	25.0	19.4	15.8	18.1	57	..	0.0	..	1.9	0	0	28	08	0	0	1	12	7	0	0	3	0
	1730	308	1006.4	972.4	..	30.2	22.9	18.6	22.0	52	..	0.0	..	1.5	0	0	21	05	0	4	1	5	5	0	1	10	0
ROHTAK	0830		..	..	..	23.5	19.5	17.0	19.5	67	..	0.5	..	8.8	0	1	30	02	2	5	5	1	5	7	3	0	1
	1730		..	..	..	29.5	22.0	17.7	20.5	49	..	0.6	..	7.9	0	0	31	05	8	6	2	0	2	4	4	0	0
PUNJAB																											
PATHANKOT	0530	312	1010.9	975.0	..	18.6	16.3	14.6	16.9	78	..	1.0	..	6.3	0	0	21	02	15	4	0	0	0	0	0	10	0
	0830	312	1011.9	976.5	+1.0	22.9	18.3	15.1	17.3	62	+ 2	1.6	+0.4	9.7	1	0	25	10	10	2	2	0	1	1	0	5	0
	1130	312	1011.7	976.7	..	28.8	20.5	15.2	17.5	45	..	2.2	..	9.4	1	0	25	02	4	6	4	8	0	0	2	5	0
	1730	312	1008.7	974.1	+0.3	29.2	22.0	17.5	20.3	51	- 1	2.5	+1.0	6.4	0	0	23	03	2	2	0	2	2	7	5	8	0
	2330	312	1011.3	975.7	..	20.8	17.7	15.6	17.8	73	..	1.5	..	9.2	0	1	22	00	17	5	0	0	1	0	0	8	0
AMRITSAR	0530	234	1010.7	983.7	..	18.8	17.8	17.2	19.8	91	..	0.6	..	6.0	0	1	23	04	7	5	4	2	0	0	2	6	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS— OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Kms. per hour	No. of observations Wind speed (Kms. per hour) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
PUNJAB (CONTD)																											
AMRITSAR	0830	234	1011.8	985.0	+0.7	22.6	19.7	17.9	20.7	75	+ 1	0.9	+0.0	6.9	0	2	24	04	4	8	4	1	1	1	3	5	0
	1130	234	1011.6	985.5	..	29.7	22.1	17.8	20.5	49	..	0.8	..	11.6	0	6	22	03	2	4	8	0	1	4	6	3	0
	1430	234	1009.2	983.3	..	31.6	22.6	17.4	20.1	43	..	1.3	..	11.2	0	4	23	00	1	5	3	3	1	7	7	4	0
	1730	234	1008.6	982.5	+0.7	29.3	22.4	18.5	21.6	53	+ 8	1.4	+0.7	7.0	0	0	26	01	4	5	1	1	0	5	9	5	0
	2030	234	1006.9	983.8	..	24.1	22.7	18.8	23.6	87	..	0.9	..	14.9	1	0	24	03	9	6	1	0	1	2	3	6	0
ADAMPUR AERODROME	0830	249	1011.9	983.5	..	22.2	19.1	17.2	19.7	73	..	0.5	..	8.8	0	2	23	02	2	7	10	0	1	0	3	6	0
	1730	249	1009.1	981.3	..	28.4	21.6	17.5	20.3	52	..	1.6	..	12.7	0	0	30	05	1	2	3	3	0	2	14	1	0
LUDHIANA	0830	247	1011.8	983.9	+0.6	25.7	19.8	16.4	18.7	58	- 6	0.0	-0.8	2.6	0	0	20	00	3	0	12	0	0	0	5	11	0
	1730	247	1008.0	980.6	-0.2	30.4	21.3	15.8	17.3	42	+ 3	0.3	-0.4	2.3	0	0	28	01	3	0	8	1	0	0	15	3	0
FEROZEPUR	0830	200	1012.4	989.5	+1.8	23.9	20.6	18.7	21.8	74	+ 4	0.1	-0.7	0.8	0	0	11	02	2	1	0	1	2	1	2	20	0
	1730	200	1009.5	987.2	+1.9	31.2	23.7	19.6	23.5	52	+ 6	0.5	-0.2	0.8	0	0	10	06	2	1	0	0	0	0	1	21	0
HALWARA AERODROME	0530	242	1010.6	982.6	..	18.1	17.0	16.1	18.2	88	..	0.2	..	9.1	0	1	20	02	3	8	1	0	1	3	3	10	0
	0830	242	1011.7	984.2	..	23.2	19.4	17.0	19.5	68	..	0.4	..	14.0	0	4	24	01	2	10	6	1	2	3	3	3	0
	1130	242	1011.3	984.5	..	30.6	21.4	15.7	18.0	41	..	0.2	..	18.6	0	13	17	00	3	9	3	1	3	5	5	1	0
	1730	242	1008.4	981.6	..	29.9	20.9	15.2	17.5	41	..	0.6	..	12.9	0	2	26	04	2	5	0	1	1	9	6	3	0
	2330	242	1011.0	983.2	..	20.4	18.1	16.6	19.0	79	..	0.2	..	7.9	0	0	21	01	5	6	0	0	3	3	3	10	0
PATIALA	0830	251	1011.8	983.3	+0.9	22.9	19.6	17.5	20.1	72	+ 6	0.1	-1.1	7.0	0	1	17	00	0	0	8	0	0	0	10	13	0
	1730	251	1008.3	980.8	+1.0	30.3	21.7	16.5	19.0	44	- 3	0.3	-1.0	4.8	0	0	17	00	0	0	3	0	0	0	14	14	0
BHATINDA	0830	211	1011.3	987.4	..	26.6	20.8	17.4	19.9	57	- 2	0.1	-0.2	2.4	0	0	19	00	1	0	13	0	2	1	2	12	0
	1730	211	1007.6	984.4	..	31.6	22.1	16.5	18.8	40	- 7	0.0	-0.4	1.7	0	0	17	00	3	3	2	1	0	0	8	14	0
HIMACHAL PRADESH																											
MANDI	0830	761	1014.9	928.8	+1.3	15.6	13.9	12.5	14.7	83	- 6	0.5	-1.4	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	761	1003.8	924.6	+0.1	25.1	19.8	16.7	19.3	60	- 4	2.8	+0.6	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BILASPUR	0830	587	1013.6	946.9	-0.2	17.6	16.2	15.2	17.4	84	- 1	0.1	-3.0	0.6	0	0	4	00	0	3	0	0	0	1	0	27	0
	1730	587	1008.6	944.6	+0.8	28.1	19.9	14.9	17.3	46	- 5	0.6	-1.5	0.8	0	0	10	00	3	0	1	3	1	1	1	21	0
JAMMU AND KASHMIR																											
MISGAR	0830		(R)																								
	1730		(R)																								
GILGIT	0830		(R)																								
	1730		(R)																								
SKARDU	0830		(R)																								
	1730		(R)																								
LEH	0530		(R)																								
	0830		(R)																								
	1730		(R)																								
SRINAGAR	0230	1587	1530.7	844.4	..	9.4	8.7	8.1	10.8	91	..	2.1	..	1.5	0	0	9	00	1	0	4	0	0	0	4	22	0
	0530	1587	1530.9	844.4	..	8.4	7.8	7.3	10.3	93	..	2.8	..	2.6	0	0	23	00	2	0	12	0	0	0	9	8	0
	0830	1587	1540.7	845.4	+0.7	10.1	9.0	8.0	10.8	87	+ 5	3.6	+1.6	1.6	0	0	18	00	1	2	7	0	1	0	7	13	0
	1130	1587	1544.8	845.3	..	16.7	12.2	8.8	11.4	62	..	3.3	..	1.7	0	0	18	00	2	0	0	0	1	1	14	13	0
	1430	1587	1513.9	843.0	..	19.6	13.5	9.3	11.8	54	..	3.7	..	2.4	0	0	25	01	4	0	3	0	2	0	15	6	0
	1730	1587	1509.2	842.5	+1.0	16.6	12.4	9.3	11.8	63	+12	3.9	+1.3	2.1	0	0	20	02	2	0	3	0	2	0	11	11	0
	2030	1587	1525.5	843.8	..	13.0	10.8	9.6	11.8	81	..	2.4	..	2.5	0	0	19	00	0	0	2	0	1	0	16	12	0
	2330	1587	1532.1	844.6	..	10.5	9.6	8.9	11.4	90	..	2.1	..	1.5	0	1	11	00	0	0	5	0	0	0	7	19	0
SRINAGAR AERODROME	0530	1666	1530.5	836.7	..	8.5	7.1	6.6	9.2	82	..	3.1	..	5.3	0	2	12	00	0	1	0	3	3	4	3	17	0
	0830	1666	1541.0	837.8	..	11.4	9.0	6.8	9.8	74	..	3.7	..	4.1	0	0	15	03	2	0	0	2	3	1	4	16	0
	1130	1666	1539.7	837.9	..	15.9	10.7	6.2	9.9	56	..	3.6	..	8.8	0	1	24	11	0	1	0	0	1	3	7	5	2
	1730	1666	1527.2	835.1	..	17.7	11.5	6.4	9.8	51	..	3.9	..	6.0	0	1	17	03	1	1	0	1	0	5	7	12	0
	2330	1666	1534.4	837.0	..	10.2	8.1	6.2	9.5	77	..	1.8	..	5.3	0	0	18	01	1	1	0	4	7	4	0	12	0
GULMARG	0830		(R)																								
	1730		(R)																								
QAZIGUND	0830	1690	..	..	..	9.9	8.4	7.0	10.1	83	..	3.1	..	3.5	0	0	23	00	3	13	0	2	2	3	0	8	0
	1730	1690	..	..	..	17.0	12.2	8.5	11.3	59	..	3.6	..	5.9	0	2	25	01	0	1	0	1	2	22	0	4	0
BANIHAL	0830	1630	1522.4	839.3	..	11.6	9.9	8.5	11.3	81	..	2.2	..	1.0	0	0	2	02	0	0	0	0	0	0	0	29	0
	1730	1630	1494.2	836.7	..	17.3	14.0	11.5	13.8	70	..	3.4	..	1.8	0	1	4	04	0	0	0	1	0	0	0	26	0
JAMMU	0830		(R)																								
	1730		(R)																								
JAMMU AERODROME	0530	292	978.2	977.2	..	20.4	16.8	14.1	16.2	68	..	1.1	..	5.9	0	1	16	02	11	3	0	0	0	1	0	14	0
	0830	292	1012.2	978.6	..	22.2	17.6	14.3	16.5	62	..	1.6	..	7.4	0	0	24	00	17	4	1	1	0	0	1	7	0
	1130	292	1011.8	979.1	..	29.2	20.6	15.0	17.2	43	..	1.8	..	9.2	0	1	25	01	1	1	3	7	4	6	3	5	0
	1730	292	1008.8	976.2	..	28.7	21.6	17.3	19.9	50	..	2.3	..	2.9	0	0	12	00	1	0	0	2	2	5	2	19	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or ht. in gpm. of mean standard isobaric level	Mean pressure in mb. At station level	Mean pressure in mb. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mb.	Relative Humidity %	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD.)																											
JAMMU AERODROME	2330	292	1011.3	977.7	..	21.8	17.6	14.5	16.7	64	..	1.1	..	5.1	0	1	13	00	9	3	1	1	0	0	0	17	0
GULMARG (RESEARCH INSTITUTE)	0830		3138.7	742.7	..	6.1	3.8	0.8	6.5	72	..	3.0	..	2.5	0	0	24	03	0	9	0	0	0	10	1	7	1
	1130		(R)																								
	1730		3129.9	741.7	..	8.8	6.0	3.2	7.6	70	..	3.4	..	3.4	0	0	29	01	0	7	2	0	0	16	2	2	1
RAJASTHAN, WEST																											
GANGANAGAR	0530		(R)																								
	0830		(R)																								
	1130		(R)																								
	1730		(R)																								
	2330		(R)																								
ANUPGARH	0830		(R)																								
	1730		(R)																								
CHURU	0830		(R)																								
	1730		(R)																								
BIKANER	0830	224	1011.3	985.9	+0.3	25.7	17.5	11.2	13.6	42	- 8	0.3	+0.0	6.6	0	2	22	00	1	1	4	7	9	1	1	7	0
	1730	224	1007.6	983.2	+0.5	34.9	20.4	9.0	12.3	23	- 4	0.9	+0.4	7.4	0	1	25	02	2	0	2	2	9	2	7	5	0
BIKANER P.B.D.	0530		(R)																								
	1130		(R)																								
	1430		(R)																								
	2030		(R)																								
	2330		(R)																								
NAGAUR	0830		(R)																								
	1730		(R)																								
PHALODI	0830	234	1011.1	984.8	+0.0	25.6	17.6	11.1	13.9	43	-14	0.5	-0.1	6.5	0	0	28	00	2	0	5	16	4	1	0	3	0
	1730	234	1008.5	983.0	+0.6	36.0	22.0	12.1	15.2	27	- 7	0.5	-0.6	8.8	0	1	29	05	1	1	2	4	8	6	3	1	0
JAISALMER	0830	142	1010.5	983.2	+0.2	25.9	20.4	16.8	19.9	60	+ 2	0.0	-0.4	5.5	0	2	15	01	3	0	0	5	8	0	0	14	0
	1730	142	1006.7	980.3	+0.1	36.0	25.4	19.9	24.4	44	+ 6	0.2	-0.5	7.6	0	2	25	03	2	0	1	4	9	1	7	4	0
JODHPUR	0230	224	1009.7	984.3	..	25.7	16.7	9.0	11.8	37	..	0.2	..	6.0	0	1	22	04	2	0	0	2	0	10	4	8	1
	0530	224	1010.1	984.6	..	23.5	16.2	9.3	12.3	42	..	0.2	..	5.1	0	0	22	01	6	1	1	1	2	7	2	9	1
	0830	224	1011.7	986.4	+0.2	23.9	16.5	10.0	12.9	43	- 6	0.5	-0.4	4.6	0	0	17	00	5	2	0	1	5	3	1	14	0
	1130	224	1011.3	986.6	..	34.7	20.2	9.0	13.0	22	..	0.3	..	9.7	0	2	26	02	1	1	1	2	6	10	4	2	1
	1430	224	1008.2	983.8	..	37.7	20.3	5.5	9.8	17	..	1.1	..	14.4	0	5	26	04	1	1	2	0	5	11	6	0	1
	1730	224	1007.6	983.1	+0.0	36.2	20.8	8.8	12.0	20	- 4	0.8	-0.6	8.2	0	0	26	02	3	1	0	0	6	7	7	5	0
	2030	224	1009.4	984.6	..	30.0	18.4	8.8	11.8	29	..	0.4	..	5.9	0	0	22	04	2	1	0	0	3	7	4	9	1
	2330	224	1010.3	985.1	..	27.5	17.3	8.6	11.6	31	..	0.2	..	5.5	0	0	19	04	2	2	0	0	1	7	3	10	0
BARMER	0530	194	1008.7	986.9	..	26.6	18.1	11.4	13.8	40	..	0.3	..	5.7	0	0	25	01	0	0	2	2	5	10	5	6	0
	0830	194	1010.6	988.8	-0.3	27.7	19.1	13.1	15.3	41	-13	0.5	-0.2	4.3	0	0	21	00	0	0	0	4	7	4	6	10	0
	1130	194	1010.4	989.1	..	35.3	21.2	11.3	13.7	25	..	0.2	..	5.7	0	0	25	00	2	0	0	1	12	8	2	6	0
	1730	194	1006.8	985.6	-0.3	36.2	22.0	12.6	14.9	25	- 5	0.9	-0.4	3.7	0	0	20	01	2	1	0	1	8	6	1	11	0
	2330	194	1009.5	987.8	..	30.3	19.8	12.2	14.6	34	..	0.3	..	4.8	0	0	20	00	0	0	0	0	10	7	3	11	0
JAWAI BANDH	0830	295	1011.6	978.8	+0.9	27.2	19.2	13.6	15.9	45	-21	0.3	-1.3	1.9	0	0	22	00	0	0	12	8	2	0	0	9	0
	1730	295	1008.1	975.8	+1.0	33.5	22.6	16.2	18.9	37	- 8	2.4	+0.1	1.0	0	0	9	01	0	0	1	1	4	1	1	22	0
JALORE	0830		..	..	..	27.6	18.0	10.2	12.9	36	..	0.4	..	3.4	0	0	22	01	5	1	2	0	7	2	4	9	0
	1730		..	..	..	36.4	20.5	8.2	11.1	18	..	0.3	..	5.7	0	0	31	01	3	0	1	1	9	6	10	0	0
RAJASTHAN, EAST																											
PILANI	0830		(R)																								
	1730		(R)																								
SIKAR	0830	433	1011.3	962.8	+0.2	24.6	17.9	13.4	16.0	51	-13	0.0	-1.1	0.1	0	0	2	00	0	0	0	0	0	2	0	29	0
	1730	433	1006.3	959.5	-0.3	33.4	20.1	10.2	12.9	25	-28	0.4	-1.1	0.6	0	0	7	00	0	1	0	0	0	4	2	24	0
ALWAR	0830		(R)																								
	1730		(R)																								
JAIPUR (SANGANER)	0230	390	1010.0	965.8	-2.0	21.7	15.6	10.5	12.9	50	+ 0	0.1	-2.0	4.0	0	0	21	01	7	4	1	0	0	3	5	10	0
	0530	390	1010.4	966.0	..	20.4	15.2	10.8	13.0	55	..	0.2	..	3.8	0	0	19	00	9	3	0	0	0	1	6	12	0
	0830	390	1011.3	967.7	-0.2	26.3	17.7	11.0	13.4	39	-12	0.5	-0.4	4.8	0	0	24	02	4	6	1	0	1	4	6	7	0
	1130	390	1010.3	967.7	..	32.9	19.5	8.9	11.7	24	..	0.3	..	9.7	0	1	28	01	0	2	0	2	9	10	4	2	1
	1430	390	1007.4	965.2	..	34.9	19.4	6.8	10.2	18	..	1.0	..	13.9	0	3	27	01	2	0	1	2	5	12	7	1	0
	1730	390	1007.4	964.9	-0.2	32.9	19.0	7.7	11.0	22	-10	0.9	-0.3	6.3	0	0	28	01	1	1	1	2	2	11	9	3	0
	2030	390	1009.8	966.2	..	25.9	17.3	10.5	12.9	38	..	0.6	..	3.8	0	0	21	05	3	3	1	1	1	0	7	10	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN EAST (CONTD)																											
JAIPUR (SANGANER)	2330	390	1010.5	966.6	..	23.6	16.3	10.4	12.8	44	..	0.3	..	5.4	0	0	28	01	13	5	0	0	1	2	6	3	0
DHOLPUR	0830	176	1011.6	991.6	+0.9	25.7	19.4	15.2	17.4	53	-20	0.0	-2.0	0.2	0	0	3	00	0	0	1	0	0	2	0	28	0
	1730	176	1007.2	987.7	-0.1	33.4	24.5	19.8	23.2	45	-14	0.0	-1.9	0.2	0	0	2	00	0	0	0	0	0	2	0	29	0
AJMER	0830	486	1011.5	957.3	-0.2	25.2	17.4	11.9	14.2	44	- 8	0.4	-0.5	3.4	0	1	13	02	0	0	5	0	3	4	0	17	0
	1730	486	1007.1	954.7	+0.0	33.4	18.1	7.4	11.1	22	- 7	1.4	+0.1	7.0	0	0	30	00	3	1	1	0	3	15	7	1	0
TONK	0830		(R)																								
	1730		(R)																								
BHILWARA	0830		(R)																								
	1730		(R)																								
KOTA	0830		(R)																								
	1730		(R)																								
KOTA AERODROME	0530		(R)																								
	0830		(R)																								
	1130		(R)																								
	1730		(R)																								
	2330		(R)																								
CHAMBAL (RAWAT BHATTA DAM)	0830	351	1012.5	972.7	+0.5	22.9	18.7	15.8	18.1	64	- 9	0.1	-1.8	0.1	0	0	1	00	0	0	0	0	0	0	1	30	0
	1730	351	1007.9	969.6	+0.8	32.6	21.3	14.3	16.6	33	-14	0.1	-2.3	1.6	0	0	15	02	1	0	2	1	6	0	3	15	0
UDAIPUR	0230		(R)																								
	0530		(R)																								
	0830		(R)																								
	1130		(R)																								
	1730		(R)																								
	2330		(R)																								
JHALAWAR	0830		(R)																								
	1730		(R)																								
BANSWARA	0830	220	1012.0	987.1	..	25.6	17.9	12.1	14.3	44	..	0.0	..	2.0	0	0	31	00	0	4	24	1	1	1	0	0	0
	1730	220	1008.1	984.2	..	34.2	21.1	12.2	14.5	28	..	0.0	..	2.0	0	0	31	05	2	0	0	0	3	6	15	0	0
DUNGARPUR	0830		(R)																								
	1730		(R)																								
BUNDI	0830		(R)																								
	1730		(R)																								
SAWAI MADHOPUR	0830		(R)																								
	1730		(R)																								
MADHYA PRADESH, WEST																											
GWALIOR	0230	207	1010.1	986.3	..	19.9	16.9	14.7	16.9	73	..	0.0	..	2.1	0	0	19	01	0	0	3	7	6	2	0	12	0
	0530	207	1010.5	986.6	..	19.1	16.4	14.3	16.5	75	..	0.1	..	2.1	0	0	16	01	1	1	3	6	3	0	1	15	0
	0830	207	1011.7	988.3	+0.2	25.8	19.6	15.6	17.9	54	- 4	0.1	-1.3	2.1	0	0	14	00	0	0	1	4	3	4	2	17	0
	1130	207	1011.0	988.1	..	32.8	21.2	13.5	15.7	32	..	0.2	..	7.1	0	0	30	04	0	2	3	2	0	8	11	1	0
	1430	207	1008.3	985.6	..	34.5	21.1	11.9	14.1	26	..	1.0	..	8.3	0	0	29	04	2	1	0	1	1	8	12	2	0
	1730	207	1008.1	985.3	+0.3	32.1	21.9	15.7	18.0	38	- 6	0.5	-1.1	2.2	0	0	17	02	0	1	1	0	5	0	8	14	0
	2030	207	1010.3	986.8	..	23.9	19.1	16.0	18.3	61	..	0.2	..	0.7	0	0	7	00	0	1	1	4	1	0	0	24	0
	2330	207	1011.0	987.2	..	21.2	17.6	15.1	17.4	69	..	0.0	..	2.3	0	0	16	00	0	0	5	8	2	1	0	15	0
SHEOPUR	0830	235	1010.9	984.1	-0.4	23.7	19.4	16.7	19.1	65	- 2	0.1	-1.9	5.8	0	1	23	01	1	1	7	14	0	0	0	7	0
	1730	235	1006.7	980.8	-0.3	32.0	27.7	25.8	33.7	70	+21	0.9	-1.5	3.5	0	0	26	09	6	3	3	1	0	2	2	5	0
SHIVPURI &	0830	464	1011.3	959.5	..	25.2	18.4	14.0	16.2	51	..	0.1	..	2.6	0	0	20	00	2	1	0	1	8	8	0	11	0
	1730	464	1008.0	957.2	..	30.4	19.3	11.9	14.2	33	..	0.5	..	4.1	0	0	27	06	3	0	0	0	4	8	6	4	0
NOWGONG	0830	229	1012.5	986.5	+0.6	23.8	19.7	17.1	19.6	66	- 5	0.2	-1.4	2.6	0	0	24	00	0	0	0	9	12	1	2	7	0
	1730	229	1008.8	983.5	+0.9	31.3	23.2	18.6	21.5	48	+ 1	0.9	-1.2	1.4	0	0	18	09	1	1	0	1	2	3	1	13	0
GUNA &	0530	478	1011.9	957.3	..	17.7	14.9	12.9	15.0	74	..	0.5	..	2.1	0	0	21	00	0	4	7	6	2	2	0	10	0
	0830	478	1012.3	958.8	+0.4	24.4	18.5	14.7	16.8	54	-11	0.2	-1.4	2.3	0	0	24	01	0	3	1	11	0	8	0	7	0
	1130	478	1011.1	959.0	..	31.8	20.5	13.6	15.9	34	..	0.5	..	3.5	0	0	30	03	0	0	0	8	1	13	5	1	0
	1430	478	1008.3	957.0	..	33.0	20.0	11.6	13.9	28	..	1.7	..	4.2	0	0	31	12	2	0	0	2	4	7	4	0	0
	1730	478	1008.3	956.1	+0.6	30.3	20.1	13.9	16.0	37	- 4	1.0	-1.0	2.6	0	0	27	14	2	1	0	1	2	1	6	4	0
	2330	478	1012.2	958.0	..	20.6	16.8	14.2	16.4	68	..	0.4	..	1.9	0	0	22	00	1	5	11	2	0	3	0	9	0
NIMACH	0830	496	1013.1	957.8	+1.0	24.8	17.1	11.7	13.9	45	-10	0.5	-1.2	3.2	0	0	18	03	4	0	0	1	8	1	1	13	0
	1730	496	1008.9	955.0	+0.8	32.1	18.2	7.8	10.7	23	-11	0.7	-2.1	6.7	0	0	31	06	13	1	0	0	5	4	2	0	0
RAJGARH &	0830	382	1012.8	969.6	+1.2	23.0	18.7	16.0	18.0	65	- 4	0.5	-1.3	2.3	0	0	15	03	0	1	8	1	0	2	0	16	0
	1730	382	1008.0	966.4	+0.9	33.0	22.9	17.1	19.9	39	- 6	0.9	-1.5	6.9	0	0	29	17	3	3	0	1	2	2	1	2	0
SAGAR	0830	551	1011.7	951.2	+1.3	26.6	19.7	15.7	17.8	51	- 7	0.2	-1.8	6.3	0	0	31	00	6	5	0	0	6	10	4	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or ht. in gpm. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed K.m. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH WEST (CONTD)																											
SAGAR	1730	551	1008.8	948.5	+1.5	28.8	22.1	18.7	21.9	55	+ 9	0.2	-2.5	10.0	1	0	30	00	10	11	0	0	1	6	3	0	0
RATLAM	0830	486	1012.3	958.4	+1.6	26.9	18.8	13.7	15.9	46	-17	0.6	-2.1	1.8	0	0	16	03	4	5	0	0	1	2	1	15	0
	1730	486	1008.3	955.5	+1.4	32.1	19.7	11.7	13.9	29	-14	2.2	-1.5	5.4	0	0	27	05	6	5	0	0	3	8	0	4	0
BHOPAL (BAIRAGARH)	0230	523	1010.8	952.0	..	21.3	16.2	12.5	14.8	59	..	0.8	..	1.5	0	0	7	01	1	0	0	1	2	0	2	24	0
	0530	523	1011.4	952.4	..	20.3	15.7	12.3	14.5	61	..	0.8	..	1.5	0	0	7	01	0	0	1	2	1	0	2	24	0
	0830	523	1012.5	954.4	+0.8	25.4	18.2	13.6	15.8	49	-13	1.0	-0.9	4.1	0	0	17	00	0	3	3	4	2	2	3	14	0
	1130	523	1010.9	954.0	..	31.0	19.2	11.1	13.5	30	..	0.7	..	6.5	0	0	26	01	0	4	4	4	5	3	5	5	0
	1430	523	1008.0	951.5	..	32.7	18.5	7.7	10.9	22	..	2.5	..	8.0	0	0	28	10	4	1	1	0	3	2	7	3	0
	1730	523	1008.1	951.3	+0.8	30.7	18.4	9.6	12.2	28	-13	2.3	-0.3	4.1	0	0	22	09	2	0	1	0	0	2	8	9	0
	2030	523	1010.7	952.8	..	25.8	17.2	11.1	13.5	41	..	1.5	..	1.5	0	0	10	02	1	1	1	0	0	0	5	21	0
	2330	523	1011.6	953.1	..	23.1	16.8	12.2	14.5	51	..	1.3	..	2.6	0	0	14	02	1	3	3	1	4	0	0	17	0
UJJAIN	0830	489	1013.2	958.1	..	22.0	17.7	15.0	17.2	65	..	1.0	..	0.5	0	0	2	00	0	0	1	0	0	0	1	29	0
	1730	489	1008.3	955.0	..	31.5	21.1	15.3	17.9	39	..	1.8	..	3.3	0	0	19	03	7	6	0	0	0	1	2	12	0
NARSINGHPUR	0830	356	1012.7	972.3	..	22.7	18.5	15.7	17.9	64	..	0.4	..	0.3	0	0	5	01	2	0	0	0	1	1	0	26	0
	1730	356	1007.9	968.8	..	31.4	20.5	13.0	15.3	33	..	0.4	..	0.8	0	0	13	00	10	0	2	0	0	1	0	18	0
HOSHANGABAD	0830	302	1013.3	979.0	+1.4	23.3	18.9	16.0	18.3	64	- 5	0.5	-1.8	1.9	0	0	27	00	0	0	11	0	11	1	4	4	0
	1730	302	1008.3	975.2	+1.2	32.5	21.5	14.4	16.7	34	-14	0.9	-2.2	1.7	0	0	26	00	0	0	0	4	12	0	10	5	0
INDORE	0530	567	1011.7	947.6	..	18.6	14.2	10.7	13.1	61	..	0.2	..	3.2	0	0	13	00	0	0	0	3	9	1	0	18	0
	0830	567	1012.5	949.5	+1.0	24.7	17.2	12.1	14.2	46	-14	0.8	-0.9	3.9	0	0	14	02	2	0	0	4	2	4	0	17	0
	1130	567	1010.8	949.3	..	31.2	18.4	9.2	11.9	27	..	0.9	..	9.1	0	0	29	05	4	6	2	4	3	3	2	2	0
	1730	567	1007.9	946.4	+0.7	30.8	18.0	8.6	11.3	26	-16	2.2	-0.9	8.9	0	0	27	02	10	6	2	2	2	2	1	4	0
	2330	567	1011.9	948.4	..	22.0	15.5	10.6	12.9	49	..	0.3	..	3.6	0	0	14	01	0	0	0	4	8	1	0	17	0
RAJPUR (JHABUA)	0830	293	1013.2	980.0	+1.0	24.0	18.2	14.0	16.3	54	-18	0.7	-1.7	1.3	0	0	6	00	0	3	0	0	0	3	0	25	0
	1730	293	1008.8	976.8	+1.2	33.7	20.0	9.8	12.3	23	-22	0.6	-2.0	3.9	0	0	20	01	1	2	0	0	1	15	0	11	0
CHHINDWARA	0830	685	1013.0	936.8	+1.6	22.1	17.7	14.9	17.0	64	- 7	0.7	-2.2	5.3	0	0	31	01	0	0	0	0	1	3	26	0	0
	1730	685	1008.2	934.1	+1.8	29.1	18.3	11.0	13.3	34	-17	2.3	-1.3	1.9	0	0	23	00	0	0	1	0	1	6	15	8	0
SEONI	0830	619	1012.8	945.1	+2.6	23.6	18.0	14.5	16.6	57	- 8	1.0	-1.7	3.0	0	0	21	02	2	1	0	1	7	4	4	10	0
	1730	619	1008.4	941.2	+1.5	29.2	18.8	11.7	14.1	35	-15	1.3	-1.9	7.9	0	0	31	11	2	5	5	5	2	0	1	0	0
BETUL	0830	653	1013.0	940.7	+1.9	24.1	18.4	15.0	17.1	57	-12	0.6	-2.5	1.4	0	0	20	00	5	3	11	0	1	0	0	11	0
	1730	653	1008.8	937.7	+1.9	27.6	19.3	14.1	16.2	44	-12	1.3	-2.1	3.5	0	0	30	11	15	0	2	2	0	0	0	1	0
KHANDWA	0830	318	1013.2	976.8	+1.2	22.4	17.6	14.2	16.4	60	- 4	0.3	-1.8	0.3	0	0	4	00	0	0	0	1	2	1	0	27	0
	1730	318	1007.9	973.1	+0.9	32.9	19.9	10.2	12.8	26	-15	0.5	-2.4	3.3	0	0	25	04	10	7	0	0	1	0	3	5	0
TIKAMGARH	0830	346	1012.9	973.8	..	23.4	18.3	14.7	16.9	58	..	0.3	..	3.5	0	0	26	00	0	0	0	6	12	5	3	5	0
	1730	346	1008.9	970.8	..	30.3	22.1	17.4	19.9	46	..	0.7	..	2.0	0	0	21	04	3	1	1	2	5	0	5	10	0
SHAJAPUR	0830		..	..	..	23.8	18.2	14.3	16.4	56	..	0.7	..	3.4	0	0	23	01	1	1	5	6	2	2	2	8	3
	1730		..	..	..	31.0	20.3	13.0	15.2	34	..	0.8	..	2.5	0	0	18	03	10	3	0	0	0	1	1	13	0
KANNOD	0830		1015.3	975.0	..	20.8	17.4	15.1	17.3	70	..	0.2	..	1.0	0	0	13	00	9	1	1	0	0	2	0	18	0
	1730		1010.1	971.5	..	32.0	20.1	11.5	13.7	29	..	0.7	..	3.0	0	0	26	01	1	2	2	2	2	14	2	5	0
KHAROGHE	0830		1012.6	984.1	..	23.3	18.3	14.5	16.9	59	..	1.0	..	2.6	0	0	29	00	0	0	1	12	12	3	1	2	0
	1730		1008.6	981.0	..	33.2	21.7	14.3	16.8	33	..	1.9	..	3.7	0	0	28	09	7	7	0	1	1	1	2	3	0
MADHYA PRADESH, EAST																											
SATNA	0530	317	1010.9	974.6	..	20.0	18.8	18.1	20.9	89	..	0.4	..	0.8	0	0	9	00	0	1	0	0	0	6	2	21	0
	0830	317	1012.2	976.5	+0.9	25.4	20.6	17.7	20.3	62	- 8	0.2	-1.6	1.6	0	0	23	00	0	0	0	5	3	12	3	8	0
	1130	317	1010.8	975.8	..	30.9	21.4	15.6	17.9	40	..	0.4	..	4.1	0	0	28	00	0	2	3	2	4	11	6	3	0
	1430	317	1008.2	973.4	..	32.4	21.1	13.7	15.8	33	..	0.7	..	5.5	0	0	29	01	1	2	2	0	0	7	16	2	0
	1730	317	1008.5	973.4	+0.8	29.2	21.3	16.5	18.8	46	- 5	0.5	-1.9	1.7	0	0	18	06	1	1	0	1	1	2	6	13	0
	2330	317	1011.1	975.1	..	22.9	19.9	18.1	20.9	75	..	0.1	..	1.0	0	0	13	00	0	0	2	2	3	3	3	18	0
REWA	0830	299	1011.8	978.2	..	25.6	21.0	18.3	21.2	65	..	0.4	..	2.6	0	0	25	02	0	0	0	4	9	7	3	6	0
	1730	299	1008.4	975.4	..	30.6	21.5	16.1	18.6	42	..	0.8	..	1.9	0	0	20	09	4	0	1	0	0	2	4	11	0
SIDHI	0830	272	1011.9	981.2	+1.7	25.1	21.2	19.0	22.1	69	- 4	0.0	-2.7	0.1	0	0	1	00	0	1	0	0	0	0	0	30	0
	1730	272	1007.7	977.6	+1.1	30.3	23.3	19.6	22.9	54	+ 1	0.3	-2.2	0.1	0	0	2	01	0	0	0	0	0	0	1	29	0
UMARIA	0830	459	1012.6	961.1	+1.1	23.7	19.2	16.7	19.1	65	- 5	0.9	-1.5	0.5	0	0	8	00	2	2	2	0	2	0	0	23	0
	1730	459	1008.4	958.1	+1.1	29.2	21.5	17.5	20.2	49	-10	1.5	-1.5	0.5	0	0	7	01	1	0	0	1	2	0	2	24	0
JABALPUR	0530	393	1011.7	966.8	..	18.9	17.8	17.1	19.7	90	..	0.6	..	1.8	0	0	18	00	0	0	6	7	5	0	0	13	0
	0830	393	1012.8	968.7	+1.2	24.1	20.1	17.6	20.3	68	- 5	0.7	-1.8	2.3	0	0	17	00	1	1	4	9	2	0	0	14	0
	1130	393	1011.1	968.0	..	30.7	22.2	17.2	19.8	45	..	0.8	..	4.3	0	0	30	03	3	2	2	3	9	7	1	1	0
	1430	393	1008.3	965.5	..	32.6	22.2	16.0	18.3	38	..	1.6	..	4.5	0	0	30	07	7	0	0	0	4	3	9	1	0
	1730	393	1008.5	965.4	+1.1	30.0	21.8	17.2	19.8	48	- 4	1.1	-1.7	2.1	0	0	17	02	8	1	2	1	1	0	2	14	0
	2030	393	1011.2	967.1	..	24.3	20.5	18.1	20.9	68	..	0.4	..	0.8	0	0	6	00	0	0	4	2	0	0	0	25	0
	2330	393	1011.7	967.4	..	21.9	19.2	17.6	20.2	77	..	0.3	..	1.4	0	0	13	00	0	1	7	4	1	0	0	18	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS— OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or bt. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST (CONTD.)																												
AMBIKAPUR	0830	611	1012.7	944.8	+1.5	23.2	19.7	17.7	20.4	72	- 5	1.5	-0.9	0.6	0	0	6	00	1	1	0	2	2	0	0	25	0
	1730	611	1008.5	941.7	+1.3	27.1	20.0	16.0	18.3	52	-13	2.4	-0.2	4.6	0	0	31	20	0	4	0	3	0	4	0	0	0
JASHPURNAGAR	0830	779	1011.9	926.5	..	23.2	19.0	16.5	18.9	67	..	1.0	..	1.0	0	0	11	05	0	0	0	0	2	0	4	20	0
	1730	779	1007.9	923.5	..	25.8	19.3	15.4	17.7	54	..	2.0	..	0.9	0	0	12	01	2	0	0	0	4	0	5	19	0
PENDRA	0530	625	1011.9	941.6	..	18.9	16.4	14.7	16.9	77	..	1.5	..	1.0	0	0	9	00	0	0	1	2	4	0	2	22	0
	0830	625	1012.4	943.4	+1.1	24.4	19.5	16.8	19.2	63	- 7	1.1	-1.9	2.1	0	0	18	03	1	0	0	6	3	2	3	13	0
	1130	625	1010.9	942.8	..	28.3	20.1	15.2	17.5	46	..	1.8	..	5.3	0	0	24	05	2	3	2	3	3	1	5	7	0
	1430	625	1008.2	940.5	..	29.2	20.3	15.0	17.3	43	..	2.1	..	6.6	0	0	27	11	5	2	1	3	1	0	3	4	1
	1730	625	1009.0	940.5	+1.1	25.9	20.1	16.8	19.3	58	- 5	1.6	-2.1	2.3	0	0	20	02	0	2	2	7	2	0	5	11	0
	2330	625	1012.2	942.4	..	20.8	17.6	15.5	17.8	72	..	1.1	..	2.1	0	0	15	01	0	0	0	4	5	2	3	16	0
MANDLA	0830	443	1013.3	963.2	+1.5	21.7	18.9	17.2	19.5	76	- 6	0.7	-2.9	0.3	0	0	2	01	0	0	0	0	0	0	1	29	0
	1730	443	1008.2	959.6	+1.5	28.9	21.3	16.7	19.2	49	-12	1.0	-2.7	1.4	0	0	5	00	0	0	0	2	0	3	0	26	0
CHAMPA	0830	245	1012.7	984.8	+1.4	24.2	21.4	19.9	23.3	77	- 1	1.8	-1.8	1.6	0	0	13	08	1	2	1	0	0	0	1	18	0
	1730	245	1008.6	981.4	+1.4	29.4	23.1	19.8	23.2	57	- 6	2.7	-1.4	2.5	0	0	15	02	1	1	0	0	2	1	8	16	0
RAIGARH	0830	220	1012.5	987.6	+1.8	25.7	21.6	19.2	22.4	68	- 6	2.0	-1.7	3.3	0	0	30	00	25	2	0	0	2	1	0	1	0
	1730	220	1008.5	984.0	+2.1	29.9	22.6	18.6	21.6	51	-11	2.0	-2.0	1.6	0	0	20	02	8	0	0	0	7	0	3	11	0
RAIPUR	0530	298	1011.1	977.1	..	21.8	19.9	18.9	21.9	84	..	2.3	..	0.6	0	0	6	04	0	0	1	1	0	0	0	25	0
	0830	298	1012.7	979.1	+1.5	25.9	21.6	19.1	22.2	67	- 6	2.3	-0.6	3.3	0	0	22	04	6	2	3	4	1	0	2	9	0
	1130	298	1011.5	978.4	..	30.3	22.0	17.2	19.9	47	..	2.2	..	5.5	0	0	30	09	6	3	5	1	1	1	4	1	0
	1430	298	1008.6	975.8	..	31.6	21.5	15.1	17.4	38	..	2.5	..	6.3	0	0	31	06	9	7	5	1	0	1	2	0	0
	1730	298	1009.0	975.9	+1.7	29.3	21.4	16.6	19.1	47	-13	2.4	-1.0	3.5	0	0	23	01	12	4	4	2	0	0	0	8	0
	2030	298	1011.1	977.6	..	26.0	21.1	18.1	21.0	62	..	1.9	..	1.5	0	0	10	00	2	1	3	2	1	0	1	21	0
	2330	298	1011.4	977.7	..	24.2	20.5	18.3	21.3	70	..	1.7	..	1.8	0	0	13	00	0	1	4	4	2	0	2	18	0
KANKER	0830	402	1012.5	967.5	+1.3	24.4	20.7	18.6	21.6	71	- 8	2.5	-0.8	0.6	0	0	7	01	0	0	0	0	6	0	0	24	0
	1730	402	1008.5	964.3	+1.2	28.8	21.7	17.3	20.0	51	-13	2.7	-1.6	1.9	0	0	15	00	4	0	0	0	9	0	2	16	0
JAGDALPUR	0530	553	1010.8	948.8	..	20.4	19.2	18.6	21.4	90	..	3.9	..	0.2	0	0	3	00	2	1	0	0	0	0	0	28	0
	0830	553	1012.2	950.7	+1.3	23.7	20.5	18.8	21.9	74	- 6	3.2	-0.7	0.8	0	0	9	02	4	1	1	0	0	0	1	22	0
	1130	553	1010.2	951.1	..	28.4	21.4	17.7	20.4	53	..	3.8	..	5.0	0	0	26	05	14	6	0	0	0	0	1	4	0
	1430	553	1007.3	947.3	..	29.4	20.9	15.9	18.5	46	..	4.3	..	6.4	0	0	29	10	16	1	1	0	0	0	1	2	0
	1730	553	1008.3	947.7	+1.3	26.4	20.8	17.6	20.4	59	- 8	4.5	-0.5	2.3	0	0	21	09	10	0	0	0	1	0	1	10	0
	2030	553	1010.9	949.5	..	23.8	20.2	18.3	21.1	72	..	3.1	..	0.4	0	0	3	01	2	0	0	0	0	0	0	28	0
	2330	553	1011.3	949.6	..	22.1	19.8	18.5	21.6	80	..	2.8	..	0.5	0	0	3	00	2	1	0	0	0	0	0	28	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																												
DEESA	0830	136	1012.3	995.1	-0.4	25.2	18.0	12.5	14.4	47	-15	0.5	-1.2	3.2	0	0	18	00	9	3	4	2	0	0	0	13	0
	1730	136	1008.3	993.3	+1.1	36.1	20.9	9.4	12.3	21	-12	0.4	-1.7	5.3	0	0	29	00	1	0	1	0	18	0	8	2	1
RADHANPUR	0830	30	1011.7	1008.3	+0.3	26.0	18.9	13.6	15.8	48	-25	0.0	-0.7	1.3	0	0	20	00	2	0	2	2	8	1	5	11	0
	1730	30	1008.5	1005.2	+0.2	36.8	22.0	12.1	14.1	25	-20	0.0	-0.9	1.5	0	0	22	00	1	0	1	0	12	1	7	9	0
IDAR	0830	219	1012.2	987.5	+0.8	27.3	19.1	13.4	15.5	44	-10	0.7	-1.0	1.4	0	0	16	00	7	1	1	0	0	4	3	15	0
	1730	219	1008.7	984.8	+1.1	34.9	20.6	9.9	12.6	23	-16	0.7	-1.1	1.9	0	0	24	00	0	9	0	0	8	7	0	7	0
AHMADABAD	0230	55	1010.1	1003.7	..	23.8	19.7	17.0	19.6	66	..	0.3	..	1.7	0	0	7	00	0	0	1	0	1	2	3	24	0
	0530	55	1010.2	1003.8	..	22.2	18.7	16.5	18.1	71	..	0.3	..	1.5	0	0	5	01	0	1	1	1	0	1	0	26	0
	0830	55	1012.1	1005.7	+0.4	25.5	20.3	17.0	19.6	60	- 4	0.7	-0.9	1.6	0	0	6	02	0	0	1	0	0	1	2	25	0
	1130	55	1012.1	1006.0	..	33.5	23.5	17.8	20.8	42	..	0.4	..	5.7	0	0	21	03	3	6	1	2	1	2	3	10	0
	1430	55	1009.3	1003.2	..	36.6	24.0	16.7	19.5	33	..	0.8	..	5.9	0	0	22	04	2	2	3	2	4	1	3	9	1
	1730	55	1008.7	1002.6	+0.6	35.4	23.7	17.1	19.7	35	+ 0	0.6	-1.2	5.8	0	0	21	00	3	4	8	5	0	0	1	10	0
	2030	55	1010.1	1003.8	..	28.3	21.6	17.7	20.2	53	..	0.2	..	1.7	0	0	8	00	0	0	3	4	1	0	0	23	0
	2330	55	1010.8	1004.5	..	25.6	20.6	17.6	20.2	62	..	0.3	..	2.5	0	0	10	00	0	0	1	1	2	6	0	21	0
DOHAD &	0830	333	1012.7	975.1	+0.5	24.4	18.8	14.9	15.1	57	-13	0.9	-1.0	5.3	0	0	29	00	2	4	7	11	2	2	1	2	0
	1730	333	1008.1	971.8	+1.1	33.1	19.9	10.0	12.0	25	-13	1.5	-0.1	7.8	0	0	28	07	5	3	0	1	2	6	4	3	0
VALLABH VIDYANAGAR &	0830	44	1012.1	1006.9	..	23.1	19.9	17.9	20.6	73	..	0.7	..	2.0	0	0	23	00	1	1	0	5	3	6	7	8	0
	1730	44	1008.7	1003.9	..	34.8	24.3	19.0	21.8	39	..	0.5	..	1.9	0	0	23	01	2	0	0	1	6	5	8	8	0
BARODA AERODROME $ &	0830	38	1012.4	1008.1	+1.3	26.0	21.0	18.1	20.8	63	- 5	1.0	-1.1	5.5	0	0	22	05	3	1	4	3	1	1	2	9	2
	1130	38	1011.7	1007.8	..	33.5	23.0	17.0	19.5	39	..	0.5	..	5.7	0	0	25	07	2	0	1	0	4	4	4	6	3
	1730	38	1008.8	1004.6	+1.3	34.1	22.7	15.9	18.3	34	- 9	1.0	-1.1	5.0	0	0	23	04	4	1	1	0	1	2	8	8	2
BARODA	0530	34	1010.3	1006.2	..	21.9	18.3	15.9	18.3	69	..	0.3	..	1.0	0	0	14	00	7	2	3	0	1	1	0	17	0
	0830	34	1012.3	1008.3	+0.6	24.3	20.0	17.2	19.9	65	-11	0.9	-0.7	1.2	0	0	13	01	5	1	1	0	4	0	1	18	0
	1130	34	1012.4	1008.5	..	33.8	22.8	16.4	18.8	36	..	0.3	..	1.8	0	0	23	03	10	0	3	1	1	3	2	8	0
	1730	34	1008.6	1004.8	+0.7	35.3	23.1	16.0	18.3	32	-20	0.3	-1.4	1.1	0	0	11	00	6	0	0	0	0	0	5	20	0
	2330	34	1010.8	1006.8	..	25.0	20.0	16.9	19.4	61	..	0.2	..	0.5	0	0	7	00	4	1	0	0	1	0	1	24	0
BROACH	0830	17	..	..	..	24.3	20.8	18.8	21.8	73	- 1	0.5	-1.4	5.9	0	0	29	01	12	1	6	1	5	0	3	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — OCTOBER ,1969(ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs.: At station level	Mean pressure in mbs.: Departure from normal	Mean temperature in °C: Dry Bulb	Mean temperature in °C: Wet Bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.): 62 or more	Wind Speed (Km. p. h.): 20 to 61	Wind Speed (Km. p. h.): 1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GUJARAT REGION(INCLUDING DAMAN DADRA AND NAGAR HAVELI)(CONTD.)																											
BROACH	1730	17	..	..	..	35.4	27.3	23.1	29.7	54	+12	1.2	-1.1	8.0	0	1	30	00	15	0	3	0	8	2	3	0	0
SURAT	0530	12	1010.3	1008.9	..	23.5	21.2	19.9	17.8	81	..	1.0	..	5.5	0	0	22	01	4	5	6	3	0	1	2	9	0
	0830	12	1012.3	1011.0	+0.9	25.5	21.7	19.6	20.5	71	+ 1	1.1	-1.6	6.5	0	0	31	00	8	5	14	0	1	0	3	0	0
	1130	12	1012.1	1010.8	..	33.6	24.0	18.9	13.9	43	..	0.8	..	7.7	0	0	30	06	4	10	1	2	0	5	2	1	0
	1730	12	1008.7	1007.4	+0.8	34.0	23.9	18.3	13.3	41	- 7	1.1	-1.8	6.1	0	0	29	00	3	5	3	0	7	6	5	2	0
	2330	12	1010.9	1009.5	..	26.5	22.5	20.3	12.8	70	..	1.0	..	4.8	0	0	20	03	1	3	4	1	1	3	4	11	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																											
NALIYA	0830	21	1011.8	1009.4	+0.5	24.9	22.0	20.3	24.1	77	- 9	1.2	-0.8	5.1	0	2	20	04	2	1	2	1	6	2	4	9	0
	1730	21	1009.0	1006.6	+0.4	32.9	24.4	19.8	23.4	49	- 3	1.7	+0.0	11.5	0	2	29	00	1	0	0	0	18	11	1	0	0
BHUJ (RUDRAMATA	0230	80	1010.3	1001.1	..	26.1	21.5	18.7	21.8	66	..	0.8	..	4.6	0	0	15	00	1	1	0	0	5	4	4	16	0
	0530	80	1010.5	1001.3	..	23.9	20.5	18.4	21.3	73	..	0.5	..	3.3	0	0	12	00	1	0	0	0	5	4	2	19	0
	0830	80	1012.1	1003.0	+0.3	26.5	21.9	19.1	22.4	66	+ 2	1.0	+0.0	5.5	0	2	13	03	0	0	0	0	5	5	2	16	0
	1130	80	1012.1	1003.1	..	33.9	23.6	17.7	20.8	40	..	0.6	..	14.6	0	8	21	14	4	1	0	0	3	3	3	2	1
	1430	80	1009.2	1000.3	..	37.0	23.6	15.5	16.0	30	..	2.0	..	12.6	0	5	23	07	2	3	0	0	7	4	3	3	2
	1730	80	1008.6	999.7	+0.5	35.9	23.1	15.3	17.8	31	+ 5	2.7	+1.3	13.7	0	7	22	02	6	4	0	1	6	6	4	2	0
	2030	80	1010.3	1001.3	..	31.5	22.6	17.3	20.2	45	..	0.5	..	11.9	0	2	27	04	0	0	0	0	10	12	3	2	0
	2330	80	1011.0	1001.9	..	28.2	21.9	18.2	21.1	57	..	0.4	..	7.9	0	3	17	02	0	0	0	0	4	8	6	11	0
KANDLA AERODROME	0830	35	1012.2	1008.3	..	28.1	20.6	15.3	18.1	49	..	0.5	..	15.9	0	11	16	02	0	0	0	1	5	4	15	4	0
	1130	35	1012.1	1008.2	..	35.1	21.1	11.0	13.6	25	..	0.3	..	17.0	0	10	18	06	4	1	2	0	6	2	5	3	2
	1730	35	1008.6	1004.7	..	36.3	20.6	8.4	11.5	20	..	0.9	..	17.4	0	9	20	00	2	4	2	7	7	4	3	2	0
NEW KANDLA	0830	14	1012.4	1010.8	+0.4	27.0	21.4	18.0	20.9	60	- 8	1.0	-0.3	9.4	0	3	28	08	3	1	1	0	3	7	7	0	1
	1730	14	1009.1	1007.5	+0.2	34.8	22.1	13.7	16.3	30	-13	1.4	-0.3	14.0	0	9	21	02	0	2	3	6	12	4	1	1	0
MANDVI	0830	9	1012.1	1011.0	+1.1	25.9	23.8	22.7	27.9	83	+ 6	1.5	-0.3	10.2	0	2	24	04	5	0	0	0	4	4	9	5	0
	1730	9	1009.4	1008.3	+1.0	30.1	28.0	27.1	36.1	85	+15	2.2	+0.2	24.5	0	25	6	00	0	0	0	0	8	23	0	0	0
SURENDRANAGAR	0830	74	1012.0	1003.6	+0.8	28.5	22.2	18.5	21.6	57	-10	0.7	-1.0	6.9	0	0	22	03	1	0	2	0	2	3	11	6	0
	1730	74	1007.7	999.6	+0.2	36.9	24.0	16.5	19.3	31	- 7	2.8	+0.3	3.4	0	0	18	03	2	3	2	0	0	6	2	13	0
OKHA	0530	7	1010.8	1010.0	..	25.3	24.4	24.0	29.7	93	..	0.6	..	11.0	0	5	25	03	0	0	0	2	4	10	11	1	0
	0830	7	1012.6	1011.8	..	26.3	24.9	24.3	30.4	89	..	0.9	..	11.0	0	6	25	05	2	2	0	0	4	6	12	0	0
	1130	7	1013.1	1012.3	..	28.1	25.7	24.7	31.1	82	..	0.4	..	10.9	0	4	27	08	2	0	0	0	2	8	11	0	0
	1730	7	1010.0	1009.2	..	27.7	26.3	25.8	33.0	89	..	0.4	..	15.6	0	4	27	00	0	0	0	0	1	15	15	0	0
	2330	7	1011.6	1010.8	..	25.8	25.2	24.9	31.5	95	..	0.2	..	15.0	0	10	21	02	0	0	0	0	2	14	13	0	0
JAMNAGAR AERODROME	0530	23	1010.3	1008.0	..	22.3	20.6	19.4	22.4	85	..	0.6	..	4.0	0	0	18	01	0	0	0	0	7	6	4	13	0
	0830	23	1011.9	1009.7	+0.3	25.6	22.7	21.1	25.3	77	+ 1	1.3	-0.9	5.2	0	0	25	01	0	0	1	4	11	6	2	6	0
	1130	23	1012.1	1009.9	..	32.6	23.2	17.8	20.8	43	..	0.5	..	12.7	0	2	29	04	15	1	0	0	1	5	5	0	0
	1730	23	1008.7	1006.5	+1.1	33.2	23.0	16.8	18.1	40	- 7	1.1	-0.9	14.9	0	5	26	11	2	0	0	0	0	5	13	0	0
	2330	23	1010.9	1008.7	..	25.8	22.3	20.5	24.1	73	..	0.6	..	9.0	0	0	30	03	1	0	0	1	8	10	7	1	0
DWARKA	0830	11	1011.9	1010.6	-0.1	26.2	24.6	23.8	30.2	88	+ 9	0.9	-1.0	9.0	0	0	31	10	3	0	1	1	2	6	8	0	0
	1730	11	1009.2	1007.9	+0.1	28.1	26.3	25.5	32.6	86	+15	0.5	-1.0	11.7	0	1	30	04	0	0	0	0	2	11	14	0	0
RAJKOT	0530	138	1010.5	994.7	..	22.8	18.4	15.2	17.8	64	..	0.4	..	6.4	0	0	19	02	1	0	1	4	4	1	6	12	0
	0830	138	1012.2	996.6	+0.5	26.3	21.0	17.7	20.5	62	- 8	0.2	-1.6	7.1	0	3	18	01	1	0	0	1	7	6	5	10	0
	1130	138	1011.8	996.6	..	34.1	21.6	13.4	13.9	31	..	0.1	..	15.7	0	10	20	04	10	0	1	0	3	1	9	1	2
	1430	138	1008.7	993.6	..	36.9	21.6	10.9	13.3	22	..	0.6	..	12.1	0	10	14	01	3	0	5	0	4	1	5	7	5
	1730	138	1008.2	993.1	+0.8	36.1	21.1	10.2	12.8	22	- 9	0.8	-1.5	16.6	0	12	15	01	7	2	2	0	1	6	7	4	1
BHAUNAGAR AERODROME	0830	11	1012.3	1011.1	+1.2	27.0	20.1	15.4	17.7	51	- 9	0.5	-1.5	8.2	0	3	19	05	0	0	0	4	1	5	7	9	0
	1130	11	1012.5	1011.3	..	32.6	22.4	16.1	18.5	39	..	0.7	..	14.8	0	4	26	03	16	7	2	0	0	1	0	1	1
	1730	11	1008.8	1007.6	+0.4	34.7	21.1	11.5	13.9	26	- 8	1.3	-3.0	17.0	0	10	19	01	10	7	8	3	0	0	0	2	0
PORBANDER AERODROME	0830	7	1012.2	1011.4	+1.3	26.4	22.6	20.5	24.3	71	- 9	0.7	-1.1	6.4	0	0	27	04	2	1	5	2	3	1	9	4	0
	1130	7	1012.1	1011.3	..	34.2	23.7	17.6	20.8	40	..	0.2	..	14.1	0	5	26	07	5	1	2	2	6	2	6	0	0
	1730	7	1009.1	1008.3	+0.9	31.4	25.2	22.1	26.9	60	- 4	1.2	-1.5	20.5	0	19	12	00	0	0	0	0	12	18	1	0	0
KESHOD	0830	51	1012.1	1006.3	+0.6	26.6	21.3	17.8	21.0	61	-12	0.6	-1.2	10.4	0	1	30	06	12	9	0	0	0	3	1	0	0
	1130	51	1011.9	1006.2	..	33.8	21.4	12.8	15.4	30	..	0.5	..	14.6	0	8	23	08	14	2	0	0	1	3	3	0	0
	1730	51	1008.6	1002.9	+0.3	34.1	21.5	12.7	15.3	30	-14	1.6	-0.2	21.5	0	22	9	00	3	1	0	3	9	12	3	0	0
MAHUVA	0830	9	1011.7	1010.7	..	26.1	21.4	18.6	21.0	65	..	1.3	..	1.4	0	0	13	02	3	0	0	0	1	0	7	18	0
	1730	9	1008.7	1007.7	..	31.9	24.2	20.3	23.8	51	..	2.3	..	3.9	0	0	30	00	0	0	18	7	5	0	0	1	0
VERAVAL	0230	8	1010.1	1009.2	..	23.9	21.8	20.6	24.4	82	..	0.7	..	7.2	0	0	20	11	1	1	0	0	1	1	5	11	0
	0530	8	1010.0	1009.1	..	22.8	20.4	19.0	22.0	80	..	0.3	..	10.1	0	0	27	20	2	1	0	0	2	0	2	4	0
	0830	8	1011.8	1010.9	+0.3	25.9	21.6	19.2	22.4	68	+ 0	0.8	-1.4	9.6	0	2	26	14	10	0	2	0	0	0	2	3	0
	1130	8	1012.0	1011.1	..	33.1	24.3	18.9	23.2	49	..	0.7	..	13.2	0	7	22	06	8	0	2	2	3	3	5	2	0
	1430	8	1009.6	1008.7	..	31.9	26.3	23.6	29.7	64	..	1.7	..	16.2	0	8	22	00	2	0	0	10	3	11	4	1	0
	1730	8	1009.2	1008.3	+1.0	29.9	26.6	25.1	32.2	76	+ 1	1.5	-0.9	13.7	0	5	25	00	2	0	0	4	6	13	5	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gms. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SAURASHTRA AND KUTCHI INCLUDING DIU (CONTD.)																											
VERAVAL	2030	8	1010.9	1010.0	..	27.7	25.1	24.0	29.7	80	..	0.7	..	6.0	0	1	18	02	0	0	0	2	5	7	3	12	0
	2330	8	1011.3	1010.4	..	25.8	23.4	22.3	26.7	81	..	1.4	..	5.6	0	0	19	08	1	0	0	0	1	4	5	12	0
DIU	0830	15	1012.4	1010.6	..	27.3	20.9	17.4	20.0	56	..	1.0	..	0.6	0	0	6	05	1	0	0	0	0	0	0	25	0
	1730	15	1009.8	1008.1	..	30.2	25.1	22.6	27.4	64	..	1.1	..	3.3	0	0	14	00	0	1	1	2	8	2	0	17	0
KONKAN (INCLUDING GOA)																											
DAHANU	0830	5	1011.4	1010.8	+1.0	27.1	23.9	22.3	27.1	76	- 1	2.7	-0.4	5.6	0	1	29	03	3	10	14	0	0	0	0	1	0
	1730	5	1008.7	1008.2	+1.2	30.2	26.9	25.6	31.9	77	+ 3	1.6	-1.1	12.4	0	3	27	09	1	0	1	0	0	6	13	0	0
BOMBAY (SANTACRUZ)	0230	14	1009.4	1007.7	..	24.7	22.3	21.0	25.0	81	..	2.1	..	2.1	0	0	8	01	5	2	0	0	0	0	0	23	0
	0530	14	1009.7	1008.1	..	23.8	21.9	20.7	24.7	84	..	1.8	..	1.8	0	0	10	00	5	4	0	0	1	0	0	21	0
	0830	14	1011.6	1010.0	+1.1	27.7	23.2	20.8	24.7	68	- 7	3.0	-0.8	3.5	0	0	15	01	8	5	1	0	0	0	0	16	0
	1130	14	1011.4	1009.8	..	32.8	23.9	19.2	22.4	47	..	2.5	..	8.8	0	0	25	00	9	7	1	1	0	3	4	6	0
	1430	14	1008.6	1007.0	..	33.0	24.7	20.3	24.3	50	..	2.7	..	14.9	0	6	24	02	2	1	0	0	1	9	15	1	0
	1730	14	1008.2	1006.6	+0.6	30.8	24.6	21.5	25.8	59	- 6	2.4	-1.1	16.8	0	7	24	03	1	0	0	0	1	3	23	0	0
	2030	14	1010.1	1008.5	..	27.8	23.9	21.9	26.6	72	..	2.1	..	8.3	0	1	20	05	0	1	0	0	1	0	14	10	0
	2330	14	1010.6	1008.9	..	26.0	22.7	20.7	24.9	75	..	1.7	..	4.1	0	0	16	04	6	4	1	0	1	0	0	15	0
BOMBAY	0830	11	1011.6	1010.4	+0.7	26.9	24.1	22.7	27.7	78	- 2	2.8	-0.4	6.8	0	1	28	03	11	9	1	0	0	0	1	2	4
	1130	11	1011.5	1010.3	..	31.3	25.1	22.1	26.7	59	..	1.9	..	5.4	0	0	27	02	4	8	6	0	1	2	2	4	2
	1730	11	1008.3	1007.1	+0.3	29.6	25.5	23.6	29.3	71	- 3	2.0	-0.8	12.6	0	2	29	06	0	0	0	1	0	1	23	0	0
ALIBAG	0830	7	1011.4	1010.6	+0.2	27.0	23.5	21.7	26.3	73	- 6	3.4	+0.0	3.4	0	0	17	04	4	6	1	1	1	0	0	14	0
BHIRA	0830	96	1010.9	1000.0	..	26.5	21.6	18.7	22.9	66	..	2.1	..	2.6	0	0	16	00	3	3	5	1	3	1	0	15	0
	1730	96	1007.0	996.4	..	32.1	24.8	21.0	26.9	54	..	2.8	..	1.2	0	0	15	01	0	1	3	2	3	4	1	16	0
HARNAI	0830	20	1011.3	1009.1	+1.2	27.6	23.2	20.8	24.9	68	- 9	0.4	-4.0	11.0	0	6	25	02	1	14	0	1	0	0	13	0	0
	1730	20	1008.5	1006.2	+1.0	29.2	25.7	24.2	29.6	75	- 3	0.4	-4.1	21.3	0	15	16	04	0	0	0	2	0	3	22	0	0
RATNAGIRI	0830	35	1009.9	1005.9	-0.5	26.4	23.5	22.0	26.6	78	- 4	6.1	+1.8	5.5	0	0	31	02	1	11	10	2	0	4	1	0	0
	1730	35	1007.5	1003.5	-0.2	29.2	25.7	24.1	30.0	75	- 1	5.9	+1.4	10.1	0	4	27	04	0	3	1	0	1	12	10	0	0
DEVGARH	0830	36	1011.1	1007.1	+0.7	25.8	23.3	22.1	26.7	81	- 4	4.5	-0.2	6.5	0	0	26	01	6	14	2	1	0	0	2	5	0
	1730	36	1007.9	1003.9	+0.4	29.0	25.7	24.1	30.0	75	- 3	4.3	-0.5	18.7	0	8	23	01	0	2	2	0	3	6	17	0	0
VENGURLA	0230	9	1009.6	1008.6	..	24.2	23.1	22.6	26.4	91	..	3.1	..	1.2	0	0	8	05	2	0	0	0	0	0	1	23	0
	0530	9	1009.3	1008.3	..	23.6	22.8	22.4	25.9	93	..	3.0	..	2.2	0	0	13	06	4	0	1	0	0	0	2	18	0
	0830	9	1011.4	1010.4	+0.6	26.3	24.0	22.9	27.9	82	- 3	3.9	-0.8	2.2	0	0	14	06	0	4	1	0	0	0	3	17	0
	1130	9	1011.0	1010.0	..	30.5	25.3	22.8	27.9	65	..	3.5	..	5.2	0	0	30	04	0	4	2	5	11	3	1	1	0
	1730	9	1008.2	1007.2	+0.3	28.7	24.9	23.2	28.4	73	- 3	4.7	-0.6	5.2	0	0	28	00	3	0	1	0	9	11	4	3	0
	2330	9	1010.5	1009.5	..	24.7	23.6	23.0	27.9	90	..	3.0	..	1.5	0	0	9	06	3	0	0	0	0	0	0	22	0
PANJIM	0530	60	1008.9	1002.0	..	24.3	23.3	22.8	27.7	91	..	4.0	..	6.8	0	0	28	03	13	5	4	1	1	0	1	3	0
	0830	60	1010.9	1004.1	..	25.5	23.6	22.6	27.3	84	..	5.4	..	8.7	0	1	28	03	14	8	3	0	1	0	0	2	0
	1130	60	1010.6	1003.9	..	30.1	24.8	22.2	26.9	64	..	4.7	..	9.2	0	1	30	00	6	2	3	4	7	5	4	0	0
	1430	60	1007.7	1001.0	..	30.7	25.2	22.5	27.6	63	..	4.3	..	13.3	0	6	25	00	2	0	0	2	14	10	3	0	0
	1730	60	1007.7	1001.0	..	28.6	24.6	22.8	27.6	72	..	5.3	..	13.1	0	2	29	03	1	1	0	1	9	8	8	0	0
	2030	60	1009.8	1003.0	..	26.4	24.4	23.4	28.9	84	..	4.6	..	8.1	0	0	31	10	6	4	2	0	1	2	6	0	0
	2330	60	1010.1	1003.3	..	25.6	23.9	23.1	27.9	87	..	3.8	..	6.7	0	0	29	07	11	6	2	0	0	1	2	2	0
MORMUGAO	0530	62	1009.0	1002.0	..	25.4	23.5	22.6	27.4	86	..	5.1	..	7.4	0	2	25	03	7	12	0	4	0	1	0	4	0
	0830	62	1010.9	1004.0	+0.2	26.4	23.8	22.5	27.4	80	- 2	5.2	+0.8	7.0	0	2	22	01	8	12	2	1	0	0	0	7	0
	1130	62	1010.7	1003.8	..	29.0	24.6	22.4	27.2	68	..	4.7	..	8.5	0	3	28	01	2	4	0	2	10	4	8	0	0
	1730	62	1007.7	1000.8	-0.1	28.1	24.9	23.4	26.7	76	- 2	5.5	+0.8	14.7	0	9	22	02	1	2	2	2	5	5	12	0	0
DABOLIM (NAVAL AIR STN.)	0530	52	1008.9	1003.1	..	24.4	23.4	22.8	27.9	91	..	5.0	..	4.7	0	1	13	02	5	4	0	3	0	0	0	17	0
	0830	52	1010.8	1005.0	..	26.3	23.7	22.3	27.3	80	..	5.4	..	6.0	0	0	21	02	10	3	4	1	0	0	1	10	0
	1130	52	1010.7	1005.0	..	29.7	24.3	21.5	25.9	63	..	4.5	..	10.5	0	1	26	01	2	4	2	5	7	3	3	4	0
	1730	52	1007.7	1002.0	..	28.4	24.4	22.5	27.6	72	..	5.3	..	16.2	0	7	24	01	1	1	2	1	3	9	13	0	0
	2330	52	1010.2	1004.4	..	25.7	24.3	23.6	29.3	88	..	4.8	..	4.3	0	0	12	04	1	1	1	0	0	0	5	19	0
MADHYA MAHARASHTRA																											
NANDURBAR	0830	206	1012.1	988.8	+0.3	27.0	19.1	13.4	24.4	46	-16	.	..	7.0	0	1	28	00	8	1	9	0	9	0	2	2	0
	1730	206	1007.6	985.0	+0.2	34.4	20.3	9.8	11.5	23	-22	.	..	6.5	0	0	31	01	12	0	8	0	6	1	3	0	0
JALGAON	0830	201	1013.0	990.0	+1.2	23.9	18.4	14.6	16.7	57	-13	1.3	-0.9	8.1	0	0	28	00	3	13	8	1	0	2	1	3	0
	1730	201	1008.2	986.1	+1.6	33.6	20.7	11.7	13.8	27	-12	2.3	-0.4	7.2	0	1	26	02	7	13	3	0	0	1	1	4	0
MALEGAON	0830	437	1012.7	963.7	+1.0	23.8	18.1	14.1	16.2	55	-10	1.1	-1.4	3.2	0	0	23	00	0	0	0	0	0	6	4	13	8
	1730	437	1007.5	960.0	+0.8	32.3	20.4	11.8	29.5	30	-10	1.3	-2.4	5.5	0	0	30	05	16	7	0	0	0	1	1	1	0
OZAR	0230	608	1011.3	942.8	..	18.6	15.0	12.3	14.3	68	..	1.5	..	3.1	0	0	13	01	0	0	0	2	2	2	6	18	0
	0530	608	1011.9	943.0	..	17.4	14.5	12.2	14.2	72	..	1.3	..	3.3	0	1	11	00	0	0	0	0	0	6	6	19	0
	0830	608	1012.2	944.8	..	23.8	17.3	12.8	14.8	52	..	2.2	..	3.1	0	0	15	02	1	2	1	1	0	1	6	16	1
	1130	608	1010.3	944.5	..	30.7	19.4	11.9	13.9	32	..	2.1	..	12.2	0	3	27	01	6	9	10	3	0	0	0	1	1

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed X.m. per hour	No. of observations Wind speed (Km. p. h.) 62 & more	29 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD)																											
OZAR	1430	608	1007.1	941.9	..	32.3	19.2	10.2	12.4	27	..	3.6	..	13.7	0	8	20	01	7	10	7	0	0	0	2	3	1
	1730	608	1007.2	941.5	..	30.5	18.8	10.9	12.9	31	..	3.2	..	12.3	0	7	20	03	6	10	1	1	0	2	4	4	0
	2030	608	1010.7	943.4	..	24.2	17.5	12.8	14.6	50	..	1.7	..	7.1	0	3	12	02	2	0	1	1	1	1	7	16	0
	2330	608	1011.9	943.8	..	20.7	16.1	12.7	14.7	61	..	1.7	..	4.1	0	0	15	02	1	1	0	1	0	2	8	16	0
AHMADNAGAR	0830	657	1011.6	938.9	+0.3	23.5	17.8	14.0	16.3	53	-15	2.8	-0.4	2.6	0	1	12	00	3	0	4	0	0	0	6	18	0
	1730	657	1006.8	936.1	+0.8	30.7	19.3	11.6	14.1	34	-13	4.2	+0.1	9.0	0	2	25	00	16	0	8	0	0	0	3	4	0
POONA AERODROME	0230	593	1010.5	944.2	..	21.6	18.8	17.0	19.6	76	..	2.2	..	6.9	0	0	19	00	1	4	0	0	0	13	1	12	0
	0530	593	1010.9	944.3	..	20.5	17.8	16.1	18.9	77	..	1.7	..	5.0	0	0	15	01	5	4	0	0	0	4	1	16	0
	0830	593	1012.1	946.1	..	23.4	18.8	16.0	18.3	65	..	3.0	..	5.7	0	0	17	00	5	6	0	0	8	5	1	14	0
	1130	593	1010.4	945.9	..	30.3	19.9	13.3	15.7	37	..	3.3	..	18.0	0	13	15	00	2	24	2	0	0	0	0	3	0
	1730	593	1006.6	942.5	..	30.7	19.0	10.8	13.4	32	..	4.3	..	19.1	0	12	18	01	6	12	0	0	0	4	1	1	1
	2330	593	1011.1	945.2	..	23.0	19.4	17.2	19.9	71	..	2.5	..	12.2	0	2	27	00	0	7	0	0	0	19	2	2	1
POONA	0530	109	1011.7	948.5	..	18.5	17.1	16.2	18.5	86	..	1.7	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	0830	109	1012.7	950.3	+1.0	23.3	19.4	17.1	19.7	70	- 4	3.0	-0.4	0.4	0	0	2	00	0	2	0	0	0	0	0	29	0
	1130	109	1010.6	949.8	..	30.2	20.5	14.8	17.0	41	..	3.7	..	6.4	0	0	26	00	1	23	2	0	0	0	0	5	0
	1430	109	1007.2	946.9	..	32.0	20.0	12.3	14.6	32	..	4.7	..	5.8	0	0	24	00	1	20	2	0	0	1	0	7	0
	1730	109	1007.2	946.6	+0.8	30.5	19.8	12.9	15.3	36	-17	4.9	+0.5	3.3	0	0	14	00	1	7	1	0	0	3	2	17	0
	2030	109	1010.5	948.7	..	25.1	19.7	16.4	19.0	60	..	3.4	..	1.8	0	0	9	00	0	5	0	0	0	4	0	22	0
	2330	109	1011.8	949.3	..	22.1	18.9	17.0	19.5	74	..	2.8	..	0.5	0	0	2	00	0	1	0	0	0	1	0	29	0
JEUR	0830	521	1012.2	954.4	+1.8	24.9	19.2	15.7	18.1	58	-13	1.5	-2.0	3.4	0	0	31	10	5	4	2	2	0	0	8	0	0
	1730	521	1007.8	951.2	+2.3	30.7	19.9	13.0	15.3	39	- 9	2.2	-2.3	5.9	0	0	31	05	8	13	1	4	0	0	0	0	0
BARAMATI	0830	551	1011.7	950.6	+0.8	23.3	19.9	18.0	20.8	73	+ 1	2.4	-1.1	4.5	0	0	28	12	2	6	1	0	1	4	2	3	0
	1730	551	1005.8	946.3	+0.2	30.7	22.2	17.7	20.5	48	+ 1	4.3	-0.1	9.2	0	3	28	03	4	19	0	1	0	4	0	0	0
SHOLAPUR	0530	479	1010.5	956.6	..	21.4	18.2	16.1	18.5	71	..	2.6	..	4.5	0	0	26	06	9	8	2	0	0	1	0	5	0
	0830	479	1012.3	959.1	+1.3	25.9	20.3	17.1	19.7	60	- 8	2.7	-0.8	5.8	0	0	29	01	22	1	2	0	0	1	2	2	0
	1130	479	1010.6	958.2	..	30.2	21.0	15.6	18.1	44	..	3.4	..	12.1	0	7	24	01	12	7	8	3	0	0	0	0	0
	1430	479	1007.3	955.3	..	31.6	20.6	13.8	16.2	38	..	4.3	..	12.8	0	6	25	04	15	7	4	0	1	0	0	0	0
	1730	479	1007.0	955.0	+1.0	30.5	20.3	13.6	16.3	40	- 6	4.0	-0.5	7.9	0	0	31	02	16	9	3	0	1	0	0	0	0
	2330	479	1010.8	957.4	..	24.4	18.8	15.1	17.6	59	..	3.0	..	7.0	0	1	26	02	8	14	2	0	0	0	1	4	0
MIRAJ	0830		..	..	..	24.6	20.5	18.2	20.8	70	- 6	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	28.1	21.4	17.6	20.0	57	+ 5	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
KOLHAPUR	0530	570	1010.4	946.5	+0.5	20.7	18.7	17.4	20.1	82	+30	3.7	-1.2	0.7	0	0	2	00	0	1	0	0	0	1	0	29	0
	0830	570	1011.6	948.3	+0.9	23.9	20.0	17.7	20.6	70	-11	3.6	-1.0	5.9	0	0	21	01	8	10	0	0	0	1	1	10	0
	1130	570	1010.3	948.1	..	28.6	20.9	16.4	19.0	50	..	3.8	..	13.6	0	3	27	00	4	21	2	2	1	0	0	1	0
	1730	570	1006.9	944.9	+0.8	28.9	20.6	15.5	18.2	49	-12	5.5	+0.3	9.6	0	1	27	02	11	10	0	0	0	2	3	3	0
	2330	570	1010.6	947.2	..	23.2	19.8	17.9	20.6	74	..	3.5	..	5.2	0	0	21	01	4	5	0	0	0	4	7	10	0
NASIK	0830		..	..	..	24.6	21.2	19.5	22.4	73	..	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
SANGLI	0830	549	1011.6	950.5	..	23.3	19.8	17.8	20.5	73	..	3.7	..	4.1	0	0	23	04	3	5	3	0	0	3	5	8	0
	1730	549	1006.5	946.9	..	29.4	20.9	15.9	18.5	48	..	4.4	..	7.2	0	0	28	05	11	4	3	2	0	2	1	3	0
SATARA	0830		(R)																								
	1730		(R)																								
MARATHWADA																											
AURANGABAD	0830	581	1012.7	948.6	+1.2	25.7	18.5	13.9	16.1	49	-15	2.7	-0.1	3.9	0	0	21	00	3	13	4	0	0	0	1	10	0
	1730	581	1008.0	945.1	+1.0	31.0	18.6	9.9	12.3	29	-17	4.4	+0.4	13.8	0	6	25	01	14	11	1	0	0	1	3	0	0
AURANGABAD(CHIKALTHAN)	0230	579	1011.4	946.0	..	19.0	14.2	10.4	12.7	58	..	2.6	..	3.6	0	0	10	00	3	4	0	0	0	2	1	21	0
	0530	579	1012.1	946.3	..	17.4	13.4	10.1	12.4	62	..	2.3	..	1.9	0	0	5	01	1	2	0	0	0	1	0	26	0
	0830	579	1012.1	948.0	+1.2	25.3	17.6	12.4	14.5	45	-16	2.5	-0.4	6.7	0	0	19	00	5	9	1	0	0	3	1	12	0
	1130	579	1010.4	947.6	..	31.0	19.3	11.3	13.8	31	..	3.0	..	18.4	0	12	18	03	9	8	9	1	0	0	0	1	0
	1430	579	1007.2	944.9	..	32.3	19.2	10.1	12.7	27	..	4.5	..	20.7	0	17	13	04	14	5	5	0	0	0	2	1	0
	1730	579	1007.4	944.7	+1.2	30.6	18.7	10.4	13.5	30	-16	4.9	+0.7	18.1	0	9	22	06	15	8	0	0	0	0	2	0	0
	2030	579	1010.7	946.7	..	25.2	16.7	10.3	12.9	41	..	3.5	..	10.0	0	2	23	08	10	7	0	0	0	0	0	6	0
	2330	579	1012.0	947.1	..	21.3	15.1	10.4	12.7	51	..	2.9	..	3.7	0	0	11	00	5	5	0	0	0	0	1	20	0
PARBHANI	0830	423	1012.9	965.4	+1.5	24.3	19.0	15.5	17.8	59	- 9	2.7	-0.6	3.6	0	0	22	07	5	4	0	0	0	6	0	9	0
	1730	423	1008.3	962.3	+2.0	30.7	19.1	10.2	12.5	31	-18	3.2	-0.7	10.5	0	3	28	03	14	13	1	0	0	0	0	0	0
NANDER	0830	358	1012.8	972.4	..	24.0	20.2	17.9	21.8	69	..	2.0	..	2.9	0	0	16	01	6	0	0	0	6	0	3	15	0
	1730	358	1008.3	968.9	..	31.1	21.2	14.9	17.1	39	..	2.2	..	6.5	0	0	27	00	23	0	1	0	1	0	2	4	0
BIR	0830	519	1013.2	954.8	..	21.8	18.0	15.7	17.8	69	..	3.0	..	0.6	0	0	7	00	1	0	3	0	1	0	2	24	0
	1730	519	1008.0	951.6	..	30.4	19.8	13.1	15.4	37	..	4.1	..	4.3	0	0	30	00	26	2	2	0	0	0	0	1	0
VIDARBHA																											
GONDIA	0830	313	1012.7	977.4	+1.6	24.5	20.8	18.8	21.8	71	- 6	1.1	-2.4	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VIDARBHA(CONTD)																												
GONDIA	1730	313	1008.7	974.2	+1.7	30.2	21.9	16.9	19.4	46	-13	1.0	-2.9	4.1	0	0	1	00	1	0	0	0	0	0	0	30	0
NAGPUR(SONEGAON)	0230	310	1010.6	975.3	..	21.2	18.5	16.7	19.2	76	..	1.7	..	4.6	0	0	28	07	2	0	1	0	1	2	15	3	0
	0530	310	1011.3	975.8	..	19.6	17.8	16.5	19.0	83	..	2.0	..	3.6	0	0	23	10	0	1	1	1	0	0	10	8	0
	0830	310	1012.8	977.7	+1.6	24.6	19.9	17.0	19.5	63	- 8	2.1	-1.4	4.6	0	0	28	12	9	1	0	2	0	0	4	3	0
	1130	310	1011.2	977.0	..	31.2	21.9	16.3	18.7	42	..	2.3	..	6.6	0	1	30	03	6	9	3	3	0	3	4	0	0
	1430	310	1008.3	974.4	..	32.6	20.9	13.1	15.3	32	..	3.3	..	9.0	0	2	27	06	13	6	1	1	1	0	1	2	0
	1730	310	1008.6	974.3	+1.7	30.1	20.6	14.3	16.6	41	-13	2.6	-1.5	5.5	0	0	26	03	9	10	2	0	0	1	1	5	0
	2030	310	1011.1	976.1	..	24.7	19.6	16.3	18.7	60	..	1.5	..	2.9	0	0	19	03	6	6	2	0	0	1	1	12	0
	2330	310	1011.6	976.4	..	22.7	19.0	16.5	19.0	69	..	1.6	..	4.1	0	0	24	06	1	1	0	1	0	3	12	7	0
AMRAOTI	0830	370	1012.0	970.7	+0.9	26.6	19.1	13.9	16.1	46	-14	1.5	-1.4	2.3	0	0	27	03	13	5	1	1	2	1	1	4	0
	1730	370	1008.2	967.7	+1.8	31.5	19.2	9.6	12.2	27	-18	2.6	-1.7	4.0	0	0	31	04	5	11	9	1	0	0	1	0	0
AKOLA AERODROME	0530	309	1010.9	975.4	..	19.5	15.6	12.4	14.6	64	..	2.2	..	5.4	0	0	29	02	3	13	3	2	3	2	1	2	0
	0830	309	1012.0	977.2	..	25.5	18.6	13.7	15.9	49	..	2.2	..	6.1	0	0	30	01	5	8	6	4	1	4	1	1	0
	1130	309	1011.1	977.1	..	31.8	20.9	13.6	15.8	34	..	2.4	..	6.2	0	0	31	04	8	6	2	2	1	4	4	0	0
	1430	309	1007.8	974.1	..	34.0	20.0	9.0	11.9	23	..	3.9	..	9.2	0	0	31	08	10	8	0	0	1	2	2	0	0
	1730	309	1007.6	973.9	..	32.3	19.7	10.4	12.8	27	..	4.2	..	7.0	0	0	31	05	7	7	2	2	0	2	6	0	0
	2030	309	1010.0	975.4	..	26.8	18.1	11.5	13.8	40	..	3.2	..	6.6	0	0	30	07	5	9	3	1	1	0	4	1	0
	2330	309	1010.9	975.9	..	24.0	17.0	11.7	14.1	48	..	2.7	..	6.0	0	0	31	01	7	7	5	3	6	2	0	0	0
AKOLA	0830	282	1012.6	980.8	+1.4	24.7	18.9	14.8	17.1	55	-11	1.1	-1.6	3.9	0	0	26	00	8	2	10	1	2	1	2	5	0
	1730	282	1008.1	977.3	+1.6	32.8	21.0	13.0	15.5	31	-10	3.3	+0.1	5.7	0	0	26	00	8	0	7	0	1	0	10	5	0
BRAMHAPURI	0830	229	1012.9	986.9	+1.3	24.9	21.9	20.2	23.8	76	- 4	2.4	-1.4	3.4	0	0	31	14	7	2	2	1	1	1	3	0	0
	1730	229	1009.0	983.6	+1.5	30.2	22.2	17.6	20.3	48	-10	2.5	-1.3	3.5	0	0	24	10	8	4	0	2	0	0	0	7	0
BULDANA	0830	650	1012.0	940.3	+1.7	25.6	18.6	14.2	16.5	51	-16	1.7	-1.7	6.1	0	0	30	02	1	5	6	4	7	0	5	1	0
	1730	650	1008.0	937.7	+2.0	29.9	19.7	13.2	15.5	37	-12	2.0	-1.6	5.1	0	0	30	03	12	3	4	0	0	0	8	1	0
YEOTMAL $	0830	451	1012.3	962.0	+1.7	25.7	19.5	15.3	17.6	54	-14	2.0	-1.5	6.6	0	0	31	11	8	4	2	1	3	1	1	0	0
	1730	451	1008.3	958.8	+1.6	29.7	19.8	12.9	15.2	37	-18	2.6	-1.3	4.8	0	0	31	06	14	8	1	0	0	1	1	0	0
CHANDRAPUR $	0830	193	1012.2	990.2	+0.9	24.3	21.3	19.6	23.0	75	- 1	3.0	+0.0	2.2	0	0	17	06	3	1	0	0	0	3	4	14	0
	1730	193	1008.1	986.5	+0.8	29.5	23.1	19.6	23.0	56	- 8	3.2	-0.3	3.4	0	0	27	01	13	13	0	0	0	0	0	4	0
PUSAD $ $	0830	334	1013.5	975.6	..	23.3	19.7	17.5	19.9	70	..	2.0	..	6.5	0	0	31	00	5	2	3	2	5	0	14	0	0
	1730	334	1009.1	972.3	..	31.1	20.8	13.9	16.1	37	..	1.9	..	5.5	0	0	31	00	25	0	3	0	0	0	3	0	0
SIRONCHA	0830	123	1012.8	998.7	+2.0	26.3	22.7	20.8	24.7	73	- 8	2.3	-1.6	1.0	0	0	16	05	1	2	1	2	0	2	3	15	0
	1730	123	1008.5	994.8	+1.7	30.3	23.3	19.9	23.6	56	- 7	2.3	-2.0	1.9	0	0	26	11	7	7	1	0	0	0	0	5	0
WARDHA	0830	283	1012.3	980.4	..	25.6	19.9	16.1	18.5	56	..	1.1	..	2.5	0	0	31	15	7	2	2	1	0	0	4	0	0
	1730	283	1008.5	977.3	..	30.1	21.0	15.0	18.1	41	..	1.7	..	2.8	0	0	31	09	8	5	5	2	0	0	2	0	0
BHANDARA	0830	266	1012.3	981.4	..	25.7	21.5	19.2	22.4	68	..	.	..	4.7	0	0	30	05	15	2	2	0	2	0	1	1	3
	1730	266	1008.5	979.0	..	28.8	21.9	17.7	20.4	51	..	.	..	2.8	0	0	28	00	19	7	1	0	0	1	0	3	0
COASTAL ANDHRA PRADESH																												
KALINGAPATAM $ $	0830	6	1011.7	1011.0	+1.3	27.1	24.8	23.8	29.5	83	+ 0	2.8	-2.1	3.5	0	0	21	05	3	0	0	0	0	1	5	10	7
	1730	6	1008.9	1008.3	+1.4	27.8	24.9	23.7	29.3	79	+ 4	3.6	-2.1	6.9	0	1	23	05	5	5	2	2	0	0	1	5	4
VISHAKHAPATNAM	0230	3	1009.5	1009.1	..	25.3	24.0	23.4	28.8	89	..	3.5	..	2.8	0	0	16	03	3	0	0	0	0	3	5	15	2
	0530	3	1010.0	1009.6	..	24.8	23.6	22.9	28.0	89	..	4.5	..	3.5	0	0	17	04	3	1	1	0	0	2	6	14	0
	0830	3	1011.8	1011.5	+1.5	27.8	24.6	23.1	28.3	77	- 1	4.3	-0.2	5.7	0	0	23	03	4	5	1	0	0	2	8	7	0
	1130	3	1010.9	1010.5	..	30.5	26.3	23.3	27.3	85	..	4.4	..	10.3	0	2	29	04	6	7	5	1	2	4	2	0	0
	1430	3	1008.5	1008.1	..	30.4	25.2	22.8	27.9	65	..	4.6	..	15.0	0	10	21	00	1	14	11	1	0	0	4	0	0
	1730	3	1009.0	1008.6	+1.5	28.0	24.5	22.9	28.0	75	- 4	5.0	-0.2	10.5	0	3	27	01	1	16	6	3	1	0	1	1	1
	2030	3	1010.8	1010.7	..	26.7	24.6	23.6	29.2	84	..	3.8	..	4.0	0	0	17	01	5	6	1	0	0	0	4	14	0
	2330	3	1011.0	1010.6	..	25.9	24.3	23.5	29.1	87	..	3.6	..	3.4	0	0	18	03	2	2	0	0	0	2	9	13	0
KAKINADA	0830	8	1011.4	1010.5	+1.0	28.5	25.4	24.0	29.9	78	+ 0	4.4	-0.1	11.8	0	4	26	03	13	2	4	0	3	1	4	1	0
	1730	8	1008.7	1007.8	+1.4	28.5	25.3	23.9	29.8	78	+ 4	4.4	-0.4	13.7	0	5	24	00	8	5	15	0	1	0	0	2	0
NIDADAVOLE	0830	12	1011.5	1010.1	+1.2	26.8	25.0	24.1	30.0	86	+ 0	4.3	-1.4	5.5	0	0	31	14	16	0	0	0	0	1	0	0	0
	1730	12	1008.7	1007.3	+1.6	28.0	25.4	24.3	30.4	81	+ 2	6.2	-0.4	5.5	0	0	30	00	3	20	2	0	2	2	1	1	0
RENTACHINTALA	0830	106	1011.8	999.8	+1.5	26.0	23.4	22.1	26.7	80	+ 4	3.9	-0.9	0.3	0	0	4	00	0	2	0	0	1	0	1	27	0
	1730	106	1007.8	995.9	+1.3	29.0	23.4	20.4	24.3	63	+ 6	5.5	-0.3	0.5	0	0	7	01	0	3	0	2	0	1	0	24	0
GANNAVARAM	0230	24	1009.3	1006.6	..	24.7	23.5	22.9	27.9	90	..	3.8	..	3.7	0	0	11	01	7	3	0	0	0	0	0	20	0
	0530	24	1009.5	1006.7	..	24.2	23.3	22.8	27.8	92	..	3.8	..	3.6	0	2	7	01	7	1	0	0	0	0	0	22	0
	0830	24	1011.5	1008.7	+1.5	27.1	24.4	23.1	28.4	80	- 1	4.2	-0.5	9.7	0	4	22	04	15	5	0	0	0	0	2	5	0
	1130	24	1010.6	1007.9	..	29.7	25.2	23.2	28.5	70	..	4.8	..	13.1	0	5	24	04	8	15	1	1	0	0	0	2	0
	1430	24	1007.9	1005.2	..	30.0	25.1	22.8	27.9	67	..	5.5	..	13.7	0	2	28	02	4	17	4	2	0	0	1	1	0
	1730	24	1008.3	1005.7	+1.8	27.4	24.6	23.2	28.6	79	+ 3	6.3	+0.6	7.5	0	1	24	04	5	11	3	1	0	0	1	6	0
	2030	24	1010.6	1007.9	..	26.1	24.4	23.6	29.2	87	..	4.3	..	4.4	0	1	14	02	10	3	0	0	0	0	0	16	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gen. of normal standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	30 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL ANDHRA PRADESH (CONTD.)																											
GANNAVARAM	2330	24	1010.7	1008.0	..	25.3	24.0	23.3	28.7	89	..	4.3	..	5.0	0	2	13	01	10	3	0	0	0	1	0	16	0
MASULIPATAM	0830	3	1011.3	1010.9	+1.0	26.8	24.8	23.8	29.6	84	+ 1	4.8	+0.3	4.6	0	0	30	03	19	2	0	0	0	2	2	1	2
	1730	3	1008.2	1007.9	+1.2	28.2	25.0	23.5	29.0	77	+ 1	6.1	+1.2	4.5	0	0	31	02	7	16	3	0	2	0	1	0	0
ONGOLE	0830	12	1011.0	1009.7	+1.2	27.1	25.1	24.2	30.3	85	+11	4.3	-0.7	4.5	0	1	26	18	3	4	0	1	0	0	1	3	0
	1730	12	1007.7	1006.4	+1.3	28.6	26.0	24.8	31.3	81	+12	4.5	-0.7	5.9	0	1	28	02	6	20	0	1	0	0	0	2	0
NELLORE	0530	20	1009.0	1006.8	..	25.1	24.3	24.0	29.8	94	..	5.2	..	6.9	0	2	17	02	7	0	3	0	0	2	5	12	0
	0830	20	1010.8	1008.6	+0.6	26.8	25.2	24.5	30.8	88	+ 9	3.9	-1.1	8.9	0	1	30	00	9	0	6	0	3	2	11	0	0
	1130	20	1010.3	1008.1	..	29.2	25.6	24.0	30.0	76	..	5.7	..	12.9	0	0	31	05	9	0	4	1	2	2	8	0	0
	1430	20	1007.9	1005.7	..	29.4	25.8	24.1	30.3	76	..	5.7	..	11.5	0	2	29	05	11	6	3	0	1	0	5	0	0
	1730	20	1008.1	1005.9	+1.3	28.2	25.5	24.2	30.4	81	+ 9	6.1	+0.8	7.0	0	0	31	02	15	3	8	0	0	0	3	0	0
	2330	20	1010.2	1008.0	..	25.9	25.0	24.6	31.0	93	..	4.6	..	6.8	0	1	19	01	6	3	6	2	0	1	1	11	0
VISHAKHAPATNAM(SOLAR)	0830		(R)																								
TELANGANA																											
RAMGUNDAM	0830	156	1012.0	994.2	+1.6	25.2	22.2	20.5	24.3	76	+ 0	1.7	-2.3	1.4	0	0	11	09	0	0	0	0	0	1	1	20	0
	1730	156	1007.7	990.4	+1.3	30.6	22.5	17.8	21.1	50	- 8	2.9	-1.7	2.3	0	0	31	06	21	3	0	1	0	0	0	0	0
NIZAMABAD	0830	381	1012.1	969.4	+1.2	24.7	0.0	0.0	0.0	0	..	3.0	+0.0	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	381	1008.1	966.2	+1.5	30.0	0.0	0.0	0.0	0	..	3.5	-0.8	0.5	0	0	6	00	5	1	0	0	0	0	0	25	0
HANAMKONDA	0830	269	1011.9	981.6	+1.0	24.8	22.1	20.5	24.2	78	+ 3	2.5	-0.8	1.6	0	0	25	18	0	0	1	5	0	1	0	6	0
	1730	269	1009.0	979.2	+2.0	29.4	22.5	18.5	21.5	54	- 2	2.2	-1.3	1.9	0	0	30	18	11	0	1	0	0	0	0	1	0
HAKIMPET AERODROME	0530	613	1010.5	942.2	..	21.4	19.1	17.9	20.8	82	..	3.7	..	7.1	0	1	23	02	8	5	7	1	1	0	0	7	0
	0830	613	1011.2	943.6	..	24.8	21.1	19.2	22.5	73	..	4.1	..	11.6	0	2	29	02	10	8	7	3	1	0	0	0	0
	1130	613	1009.8	943.1	..	28.5	21.2	17.0	19.9	53	..	4.4	..	19.4	0	12	19	02	8	11	7	2	1	0	0	0	0
	1730	613	1008.4	941.4	..	26.9	20.4	16.4	19.2	55	..	4.2	..	17.5	0	10	21	03	16	10	1	1	0	0	0	0	0
	2330	613	1010.8	942.9	..	22.8	19.7	17.8	20.7	74	..	3.6	..	9.8	0	2	26	02	8	11	5	2	0	0	0	3	0
BHADRACHALLAM	0830	111	1011.3	999.0	+1.1	25.3	23.7	23.0	28.2	88	+ 5	3.9	-1.1	2.1	0	0	30	00	28	0	0	0	0	0	2	1	0
	1730	111	1007.9	995.5	+1.2	29.3	25.0	23.0	28.2	70	+ 0	4.6	-1.1	2.9	0	0	31	00	30	0	0	0	1	0	0	0	0
HYDERABAD(BEGAMPET)	0230	545	1010.0	949.0	..	20.8	19.2	18.3	21.1	86	..	2.8	..	1.0	0	0	8	01	3	2	2	0	0	0	0	23	0
	0530	545	1010.5	949.3	..	20.2	18.9	18.2	21.1	89	..	2.9	..	0.8	0	0	5	01	2	2	0	0	0	0	0	26	0
	0830	545	1012.0	951.4	+1.1	23.6	20.8	19.4	22.6	78	+ 5	4.0	-0.1	2.8	0	0	15	02	5	3	5	0	0	0	0	16	0
	1130	545	1010.3	950.8	..	28.8	21.1	16.7	19.8	51	..	4.4	..	10.7	0	2	29	04	13	11	2	1	0	0	0	0	0
	1730	545	1007.8	948.2	+1.3	28.0	20.1	15.1	17.8	49	- 9	4.4	-0.4	8.1	0	1	30	05	19	5	2	0	0	0	0	0	0
	2330	545	1011.5	950.6	..	21.7	19.7	18.5	21.5	82	..	3.7	..	1.9	0	0	13	03	5	5	0	0	0	0	0	18	0
KHAMMAM	0830	112	1011.7	999.0	+1.1	26.4	24.0	22.9	28.0	82	+ 1	3.5	-0.7	0.5	0	0	5	01	0	3	1	0	0	0	0	26	0
	1730	112	1008.0	995.5	+1.6	29.3	23.5	20.5	24.4	62	- 4	4.7	-1.0	0.6	0	0	5	03	0	2	0	0	0	0	0	26	0
MAHBUBNAGAR	0830	505	1011.0	955.1	+0.9	26.0	21.5	19.2	22.5	68	- 7	4.5	-0.3	6.8	0	0	30	00	7	17	6	0	0	0	0	1	0
	1730	505	1007.3	951.9	+1.0	28.1	20.9	16.6	19.6	54	- 8	5.0	-0.5	7.6	0	0	31	00	20	10	1	0	0	0	0	0	0
RAYALASEEMA																											
KURNOOL	0830	281	1011.7	980.1	+1.0	26.5	22.3	20.0	23.6	69	- 5	4.3	-0.1	3.8	0	0	31	00	17	0	7	0	4	0	3	0	0
	1730	281	1007.4	976.3	+0.9	29.9	22.1	17.3	20.3	51	- 2	5.8	+0.4	6.8	0	0	31	00	19	0	9	0	0	0	1	0	2
NANDYAL	0830	212	1010.0	986.1	..	25.8	22.8	21.2	25.3	77	..	4.2	..	2.9	0	0	19	09	7	3	0	0	0	0	0	12	0
	1730	212	1007.2	983.6	..	28.8	23.5	20.8	24.7	63	..	5.6	..	9.2	0	0	31	04	9	17	1	0	0	0	0	0	0
ANANTAPUR	0530	350	1009.1	969.8	..	23.4	21.4	20.3	23.9	83	..	4.3	..	3.4	0	0	12	00	6	6	0	0	0	0	0	19	0
	0830	350	1010.9	971.7	+0.7	25.8	22.2	20.3	24.0	74	- 2	4.9	-0.2	4.5	0	0	22	01	10	8	1	0	2	0	0	9	0
	1130	350	1009.8	971.1	..	28.8	22.4	18.7	21.9	57	..	5.4	..	9.6	0	3	25	04	15	5	1	0	1	1	1	3	0
	1430	350	1006.5	968.1	..	30.3	22.4	17.5	20.6	50	..	5.8	..	9.3	0	0	29	02	18	6	1	0	0	0	2	2	0
	1730	350	1006.7	968.1	+1.1	28.8	21.9	17.6	20.7	55	- 1	5.9	+0.1	10.5	0	1	25	03	15	8	0	0	0	0	0	5	0
	2030	350	1009.5	970.6	..	26.8	22.0	19.2	22.5	66	..	4.1	..	7.4	0	1	24	01	16	8	0	0	0	0	0	6	0
	2330	350	1009.9	970.9	..	25.3	21.9	20.0	23.7	75	..	4.6	..	8.5	0	3	17	01	9	9	1	0	0	0	0	11	0
CUDDAPAH	0830	130	1011.2	996.5	+0.5	26.5	23.7	22.3	27.1	79	+ 7	4.2	-0.4	0.8	0	0	5	00	0	3	0	0	0	2	0	26	0
	1730	130	1007.4	992.8	+0.7	29.1	24.3	21.9	26.5	68	+ 3	5.4	+0.0	2.6	0	0	16	00	1	12	0	0	0	3	0	15	0
AROGYAVARAM	0830	701	1012.2	934.9	+1.7	23.3	21.1	20.6	23.3	82	+ 3	6.1	+0.1	5.4	0	0	27	06	5	2	8	1	0	0	5	4	0
	1730	701	1007.2	930.9	+0.9	25.6	22.4	21.0	24.9	77	+11	6.9	+0.3	8.5	0	0	31	00	16	1	4	1	0	0	9	0	0
TAMIL NADU (INCLUDING PONDICHERRY)																											
MADRAS	0830	6	1010.7	1010.0	+1.0	27.4	25.1	24.1	30.1	83	+ 2	5.6	+0.2	4.5	0	1	19	01	6	2	1	0	4	3	3	11	0
	1730	6	1007.6	1006.9	..	28.2	25.1	23.6	29.3	77	..	5.4	..	6.3	0	0	28	00	12	9	4	1	0	0	2	2	0
MADRAS(MINAMBAKKAM)	0230	16	1008.2	1006.4	..	25.4	24.2	23.6	29.3	90	..	4.9	..	4.9	0	1	14	05	1	0	0	2	0	6	1	16	0
	0530	16	1008.4	1006.6	..	24.8	23.8	23.4	28.8	92	..	4.7	..	4.1	0	2	13	04	1	0	1	0	1	4	4	16	0
	0830	16	1010.4	1008.6	+0.1	27.1	24.7	23.6	29.2	82	+ 1	5.4	+0.1	6.1	0	1	19	09	1	1	0	1	2	3	3	11	0
	1130	16	1009.5	1007.8	..	29.4	24.8	22.6	27.6	70	..	6.2	..	11.4	0	3	26	12	2	7	4	1	0	1	2	2	0
	1430	16	1007.2	1005.4	..	29.5	24.9	22.7	27.7	69	..	6.0	..	12.9	0	5	24	10	4	7	5	1	0	1	1	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gms. of nearest standard barometric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TAMIL NADU (INCLUDING PONDICHERRY)																											
MADRAS(MINAMBAKKAM)	1730	16	1007.4	1005.7	+0.4	28.2	24.7	23.0	28.3	75	- 1	5.6	+0.0	12.0	0	6	23	07	7	7	4	2	0	0	2	2	0
	2030	16	1009.8	1008.0	..	26.9	24.7	23.8	29.4	83	..	4.3	..	6.5	0	2	22	06	7	4	4	2	0	0	1	7	0
	2330	16	1009.9	1008.1	..	26.2	24.7	24.0	29.3	88	..	4.4	..	4.6	0	1	11	04	2	1	2	1	1	0	1	19	0
VELLORE	0530	214	1009.1	984.8	..	23.4	22.7	22.3	26.9	94	..	4.9	..	0.1	0	0	1	00	0	0	0	1	0	0	0	30	0
	0830	214	1010.9	986.7	+0.4	25.1	23.3	22.4	27.3	86	+ 6	5.5	+0.6	1.0	0	0	7	02	0	0	1	0	0	2	2	24	0
	1130	214	1009.8	985.9	..	28.5	23.9	21.6	26.0	69	..	6.0	..	5.4	0	0	22	07	6	1	0	1	2	2	3	9	0
	1730	214	1007.0	983.2	+0.6	28.4	23.2	20.4	24.3	66	+ 1	5.9	+0.0	5.9	0	0	27	01	7	8	8	1	1	1	0	4	0
	2330	214	1010.6	986.4	..	25.3	23.2	22.2	26.8	84	..	4.2	..	1.7	0	0	8	01	1	4	2	0	0	0	0	23	0
TAMBARAM AERODROME	0830	29	1009.9	1006.7	..	27.0	25.2	24.4	30.6	87	..	5.6	..	10.0	1	0	21	08	2	1	0	2	2	2	5	9	0
	1730	29	1007.5	1004.2	..	28.3	25.0	23.4	29.0	77	..	5.5	..	19.6	0	14	15	06	5	8	7	2	1	0	0	2	0
TIRUPPATTUR	0830	390	1009.8	966.1	-0.6	23.3	22.6	22.2	26.9	94	+11	7.1	+1.0	1.9	0	0	16	02	0	0	0	6	0	8	0	15	0
	1730	390	1005.9	962.7	-0.5	26.7	23.6	22.2	26.7	78	+ 7	7.7	+1.1	3.9	0	0	24	04	2	0	0	7	0	11	0	7	0
METTUR DAM R.S.	0830		..	..	..	26.0	23.0	21.5	25.6	77	..	5.7	..	3.4	0	0	24	00	12	0	0	0	4	0	8	7	0
	1730		..	..	..	29.0	23.1	19.8	23.4	60	..	5.8	..	7.2	0	0	29	00	6	1	3	0	11	0	8	2	0
CUDDALORE	0530	12	1008.3	1007.0	..	24.8	24.0	23.7	29.4	94	..	5.7	..	2.1	0	2	5	01	3	0	0	0	0	1	2	24	0
	0830	12	1010.1	1008.8	-0.3	26.8	24.7	23.8	29.5	84	+ 3	5.5	+0.2	5.4	0	2	20	03	5	0	0	1	1	8	4	9	0
	1130	12	1009.7	1008.3	..	29.2	25.2	23.4	28.9	73	..	5.4	..	7.7	0	2	25	03	7	2	3	3	1	5	3	4	0
	1430	12	1006.9	1005.6	..	29.4	25.5	23.7	29.4	73	..	5.2	..	9.9	0	3	28	03	8	5	9	1	2	2	1	0	0
	1730	12	1007.1	1005.8	+0.1	28.1	25.2	23.9	29.7	79	+ 4	5.6	+0.0	10.6	0	3	28	01	12	4	11	0	0	1	2	0	0
	2330	12	1009.6	1008.3	..	26.2	24.8	24.2	30.2	89	..	4.2	..	7.4	0	2	24	04	8	2	4	3	3	1	1	5	0
KALLAKKURICHCHI	0830	127	1010.3	995.9	+0.4	26.1	23.7	22.6	27.6	82	+ 4	4.5	-0.2	3.3	0	0	11	01	1	0	0	0	5	2	2	20	0
	1730	127	1006.6	992.4	+0.5	28.6	24.0	21.7	26.2	69	+ 4	5.4	-0.3	5.8	0	0	20	02	6	0	3	0	4	0	5	11	0
SALEM	0530	278	1007.9	976.9	..	23.6	21.8	20.9	24.7	86	..	4.7	..	0.9	0	0	4	00	2	0	0	0	2	0	0	27	0
	0830	278	1010.4	979.2	-0.2	25.3	22.5	21.1	25.3	78	- 2	4.9	-0.3	1.6	0	0	13	03	2	4	0	1	0	1	2	18	0
	1130	278	1009.4	978.5	..	29.0	23.3	20.4	24.0	61	..	6.2	..	6.5	0	0	29	01	7	5	1	6	0	6	2	2	1
	1730	278	1006.4	975.6	+0.2	28.4	23.1	20.2	24.0	64	+ 2	7.0	+1.0	3.1	0	0	17	00	5	2	4	3	2	1	0	14	0
	2330	278	1009.6	978.3	..	25.0	22.4	21.1	25.2	80	..	4.7	..	3.7	0	0	14	00	7	2	1	0	1	2	1	17	0
COIMBATORE(PILAMEDU)	0530	399	1009.5	964.6	..	22.4	22.1	22.0	26.5	97	..	5.9	..	2.4	0	0	6	00	0	1	0	1	3	0	1	25	0
	0830	399	1011.2	966.5	+0.6	24.4	22.8	22.0	26.5	87	+ 6	5.4	+0.1	4.1	0	0	11	00	3	2	0	2	4	0	0	20	0
	1130	399	1009.9	965.8	..	28.1	23.7	21.5	25.8	68	..	5.4	..	9.5	0	3	17	02	7	4	0	2	4	1	0	11	0
	1430	399	1006.7	963.0	..	29.0	24.1	21.6	26.0	66	..	6.2	..	13.4	0	6	20	00	6	7	1	5	7	0	0	5	0
	1730	399	1007.0	963.1	+0.8	27.5	23.8	22.0	26.5	73	+ 6	6.5	+0.5	13.2	0	4	24	02	5	4	2	3	7	4	0	3	1
	2030	399	1009.9	965.4	..	24.7	23.3	22.6	27.6	89	..	5.7	..	7.7	0	2	15	00	2	0	3	4	6	2	0	14	0
	2330	399	1010.5	965.8	..	23.5	22.7	22.3	27.1	93	..	5.6	..	5.8	0	1	12	00	1	2	0	3	7	0	0	18	0
COIMBATORE	0830	409	1011.0	965.4	+0.3	24.9	22.6	21.4	25.4	81	+ 3	6.5	+1.0	5.6	0	0	29	00	9	1	3	2	7	1	6	2	0
NAGAPATTINAM	0830	9	1010.7	1009.6	+0.1	26.7	24.4	23.4	28.9	83	+ 4	6.6	+1.1	7.2	0	1	28	03	4	2	0	2	7	8	3	2	0
	1730	9	1007.2	1006.1	+0.0	28.6	24.9	23.2	28.4	73	- 2	5.7	+0.3	11.4	0	6	24	01	9	4	5	0	5	3	3	1	0
TIRUCHCHIRAPPALLI	0230	88	1008.1	998.1	..	25.2	23.5	22.6	27.6	86	..	5.1	..	6.1	0	0	25	03	4	1	2	1	2	9	3	6	0
	0530	88	1008.4	998.4	..	24.6	23.1	22.4	27.2	88	..	5.2	..	7.0	0	2	23	04	3	0	0	1	3	10	4	6	0
	0830	88	1010.3	1000.4	-0.1	26.4	23.7	22.4	27.2	79	+ 0	5.7	+0.4	9.4	0	4	23	03	4	0	1	1	3	12	3	4	0
	1130	88	1009.6	999.7	..	29.1	24.2	21.8	26.3	66	..	5.9	..	12.0	0	3	28	02	8	1	2	0	2	12	4	0	0
	1430	88	1006.6	996.8	..	30.5	24.0	20.8	24.7	58	..	6.2	..	13.2	0	6	25	03	8	2	2	1	3	6	6	0	0
	1730	88	1006.6	996.8	+0.2	29.0	23.9	21.3	25.4	65	+ 2	6.1	+0.1	9.0	0	3	26	00	10	5	4	4	1	3	2	2	0
	2030	88	1009.4	999.5	..	26.8	23.9	22.5	27.3	78	..	5.2	..	10.2	0	1	29	02	8	6	5	5	1	2	1	1	0
	2330	88	1009.9	999.9	..	25.6	23.6	22.7	27.6	84	..	5.3	..	7.4	0	1	27	03	9	4	1	4	2	4	1	3	0
VEDARANNIYAM	0830	4	1010.5	1010.0	..	27.3	25.1	24.2	30.2	84	..	6.3	..	6.6	0	0	31	01	13	0	2	2	10	0	3	0	0
	1730	4	1007.3	1006.8	..	28.6	26.1	25.0	31.8	81	..	5.5	..	8.1	0	0	31	01	13	0	6	1	9	0	1	0	0
ATIRAMPATTINAM	0830	6	1010.4	1009.7	..	27.2	25.3	24.5	30.8	86	..	4.9	..	4.5	0	0	27	06	5	1	0	3	1	4	7	4	0
	1730	6	1006.9	1006.2	..	28.4	26.4	25.6	32.9	85	..	5.9	..	8.3	0	1	30	05	3	2	3	11	2	0	5	0	0
MADURAI	0830	133	1010.6	995.6	+0.2	26.4	24.2	23.1	28.3	82	+ 9	4.6	-0.9	2.9	0	0	31	17	4	1	0	0	0	1	8	0	0
MADURAI AERODROME	0530	131	1008.6	993.7	..	24.4	23.1	22.5	27.3	89	..	5.2	..	3.4	0	0	10	02	2	1	0	0	1	1	3	21	0
	0830	131	1010.5	995.6	+0.0	26.7	24.0	22.7	27.7	79	+ 4	5.6	+0.5	4.8	0	1	15	09	4	0	0	0	0	0	3	15	0
	1130	131	1009.6	994.9	..	29.7	24.6	22.1	26.7	64	..	6.0	..	9.5	0	2	25	12	4	0	2	4	1	0	4	4	0
	1730	131	1006.8	992.5	+0.5	28.5	24.3	22.2	26.9	70	+ 6	6.7	+0.6	14.1	0	10	18	03	3	7	8	4	1	1	1	3	0
TONDI	0830	5	1010.9	1010.3	+0.5	27.0	25.1	24.3	30.4	86	+ 4	6.7	+1.3	5.2	0	0	28	08	2	1	1	4	2	4	6	3	0
	1730	5	1007.5	1006.9	+0.4	28.5	25.9	24.7	31.4	81	+ 2	7.0	+1.2	9.9	0	0	31	06	3	3	6	8	1	1	3	0	0
PAMBAN	0830	11	1010.4	1009.1	-0.1	28.0	25.9	25.0	31.7	84	+ 3	5.9	+1.4	9.8	0	4	27	02	2	2	1	10	7	3	4	0	0
	1730	11	1007.1	1005.8	-0.2	29.2	26.3	25.2	32.0	79	- 3	7.3	+2.3	10.2	0	7	24	05	4	0	0	13	5	0	4	0	0
TUTICORIN	0830	4	1010.8	1010.4	+0.3	27.8	24.6	23.2	28.5	77	+ 8	4.9	+1.1	6.8	0	0	31	06	3	1	1	1	6	2	11	0	0
	1730	4	1007.3	1006.9	+0.2	29.2	25.3	23.4	28.9	71	+ 2	5.6	+1.6	9.5	0	1	30	02	3	4	2	12	3	3	2	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mb. At station level	Mean pressure in mb. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mb.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. per hour) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TAMIL NADU (INCLUDING PONDICHERRY)																											
PALAYANKOTTAI	0830	51	1010.5	1004.8	+0.2	27.3	24.4	23.0	28.2	78	+ 9	6.1	+1.3	4.5	0	0	24	05	3	1	1	1	1	6	6	7	0
	1730	51	1007.0	1001.3	+0.3	29.0	24.6	22.5	27.3	69	+ 6	6.5	+0.1	7.7	0	0	26	03	3	4	5	2	1	5	3	5	0
KANNIYAKUMARI	0830	37	1010.7	1006.6	..	27.1	24.1	22.7	27.6	77	..	5.2	..	10.8	0	5	25	03	4	0	0	0	3	14	6	1	0
	1730	37	1007.9	1003.8	..	27.7	24.7	23.4	28.8	78	..	5.8	..	12.6	0	4	26	02	1	1	0	1	10	13	2	1	0
PONDICHERRY	0830		1009.6	1009.0	..	27.0	25.2	24.3	30.6	86	..	6.0	..	11.5	0	3	27	04	5	0	0	3	1	5	12	1	0
	1730		1006.4	1005.8	..	28.1	25.6	24.5	31.1	82	..	6.1	..	19.1	0	13	18	05	7	4	11	0	0	1	3	0	0
PORT NOVA	0830	3	1010.3	1010.0	..	27.0	24.7	23.6	29.2	83	..	5.6	..	4.5	0	0	29	06	1	0	1	5	5	5	6	2	0
TUTICORIN H.P.....$ &	0830	3	1010.5	1010.2	..	27.7	24.9	23.7	29.3	79	..	5.3	..	8.7	0	1	29	09	2	2	0	2	11	1	3	1	0
	1130	3	1009.9	1009.6	..	27.7	25.8	24.0	30.0	72	..	5.7	..	14.5	0	7	24	02	6	7	4	8	2	1	1	0	0
	1430	3	1007.0	1006.7	..	30.0	26.3	24.6	31.1	74	..	6.1	..	21.2	0	17	13	02	3	3	8	10	2	1	1	1	0
	1730	3	1007.0	1006.7	..	28.7	25.6	24.2	30.3	77	..	6.3	..	15.4	0	11	20	03	2	3	5	12	3	0	3	0	0
COASTAL MYSORE																											
KARWAR.....$	0830	4	1011.1	1010.6	+0.5	25.6	23.9	23.1	28.3	86	- 1	4.3	-1.0	2.6	0	0	30	00	16	1	5	0	0	0	8	1	0
	1730	4	1008.1	1007.6	+0.4	28.4	25.6	24.4	30.7	80	+ 1	5.1	-0.3	5.4	0	0	30	00	3	0	3	0	2	1	19	1	2
HONAVAR.....$	0830	26	1010.7	1007.7	-0.5	25.4	23.3	22.3	27.0	83	- 2	5.2	-0.2	2.1	0	0	21	00	2	14	3	1	0	0	1	10	0
	1730	26	1007.8	1004.9	-0.2	28.6	25.2	23.7	29.4	76	- 3	5.3	-0.4	3.1	0	0	27	01	0	3	0	5	0	11	7	4	0
MANGALORE(BAJPE)	0230	102	1008.6	997.0	..	24.3	23.5	23.1	28.3	93	..	5.6	..	3.2	0	0	18	04	3	7	3	0	0	0	1	13	0
	0530	102	1008.7	997.1	..	23.8	23.2	22.9	28.0	95	..	5.4	..	3.0	0	0	14	02	3	5	2	1	0	0	1	17	0
	0830	102	1010.8	999.3	-0.1	26.0	24.2	23.4	28.8	86	- 3	5.7	+0.0	4.6	0	0	18	01	5	5	6	1	0	0	0	13	0
	1130	102	1010.3	998.9	..	29.6	25.0	22.9	27.9	68	..	5.5	..	8.3	0	0	25	02	2	1	3	6	1	7	3	6	0
	1430	102	1007.5	996.2	..	30.0	25.2	23.0	28.1	67	..	4.8	..	16.5	0	6	25	01	0	0	0	1	12	13	4	0	0
	1730	102	1007.4	996.0	-0.5	28.1	24.7	23.1	28.4	75	- 6	6.3	+0.0	9.4	0	0	30	02	0	0	0	3	4	13	8	1	0
	2030	102	1009.8	998.3	..	25.9	24.2	23.3	28.7	86	..	6.3	..	4.6	0	0	16	03	1	2	1	1	2	1	5	15	0
	2330	102	1010.2	998.6	..	25.0	24.0	23.3	28.6	90	..	5.9	..	4.0	0	0	17	02	4	6	2	0	0	1	2	14	0
MANGALORE.....$ &	0830	22	1010.9	1008.4	-0.1	26.8	24.2	23.0	28.2	80	- 5	4.7	-0.7	2.5	0	0	28	05	3	10	7	0	0	0	2	3	1
	1730	22	1007.8	1005.3	-0.2	28.9	26.0	24.8	31.3	79	+ 0	5.2	-0.8	5.8	0	0	30	01	1	0	0	0	8	8	7	1	5
MANGALORE H.P.	0830	32	1010.3	1006.7	..	26.4	24.6	23.8	29.6	86	..	4.8	..	4.6	0	0	28	03	4	7	12	2	0	0	0	3	0
	1130	32	1010.2	1006.6	..	29.4	25.5	23.7	29.7	72	..	4.5	..	9.5	0	0	30	01	0	1	2	4	8	7	7	1	0
	1730	32	1007.3	1003.7	..	28.1	25.4	24.2	30.2	79	..	5.6	..	8.2	0	1	30	02	1	0	0	1	6	6	15	0	0
INTERIOR MYSORE,NORTH																											
BIDAR	0830	664	1011.8	938.5	+1.6	24.1	19.5	16.8	19.4	66	- 4	4.8	+0.7	8.5	0	1	28	01	11	9	3	2	1	0	2	2	0
	1730	664	1007.8	935.6	+1.7	27.0	19.0	13.7	16.2	47	- 7	5.1	+0.3	11.4	0	2	29	04	18	8	0	0	0	0	0	0	1
GULBARGA	0830	458	1011.8	960.7	+0.9	24.6	20.2	17.7	20.7	67	- 1	4.3	+0.7	3.3	0	0	9	00	6	3	0	0	0	0	0	22	0
	1730	458	1007.3	957.1	+1.1	29.5	20.3	14.4	17.3	45	- 3	5.8	+1.1	7.6	0	0	26	04	12	8	1	1	0	0	0	5	0
BIJAPUR	0830	594	1012.1	946.0	+0.8	22.9	19.7	17.7	20.6	75	+ 5	4.9	+1.0	2.7	0	0	20	04	6	3	4	0	1	1	1	10	0
	1730	594	1006.8	942.4	+0.9	28.7	20.2	14.9	17.9	49	+ 0	6.3	+1.4	4.3	0	0	28	03	13	5	6	1	0	0	0	3	0
RAICHUR	0830	400	1011.4	966.9	+0.8	25.7	21.4	18.8	22.1	68	- 3	4.4	+0.6	4.3	0	0	31	01	19	0	6	0	3	0	2	0	0
	1730	400	1007.0	963.2	+0.8	29.8	20.9	14.9	17.8	44	- 5	5.0	+0.2	7.6	0	1	30	01	23	3	3	0	1	0	0	0	0
BELGAUM	0830	753	1011.0	928.5	+0.2	23.5	20.7	19.4	22.2	77	- 4	3.7	-0.2	1.5	0	0	10	00	0	9	0	1	0	0	0	21	0
	1730	753	1007.1	925.5	+0.0	26.8	21.8	19.1	22.4	66	+ 2	6.4	+1.3	1.2	0	0	7	00	0	6	0	0	1	0	0	24	0
BELGAUM(SAMRA)	0530	747	000.0	000.0	..	0.0	0.0	0.0	19.5	2	..	3.8	..	5.0	0	2	14	02	6	4	2	1	0	1	0	15	0
	0830	747	1011.4	929.3	+0.7	23.0	19.7	17.9	20.7	74	- 7	4.5	-0.6	9.3	0	3	23	02	10	9	3	1	0	0	1	5	0
	1130	747	1010.0	929.0	..	27.0	19.7	15.2	17.7	51	..	4.5	..	14.8	0	7	24	03	11	12	3	1	1	0	0	0	0
	1430	747	1006.8	926.3	..	28.2	19.8	14.4	17.1	47	..	5.3	..	12.5	0	6	23	03	14	7	2	1	0	1	0	2	1
	1730	747	1007.2	926.2	+0.4	26.5	19.9	15.7	18.5	56	-12	5.5	-0.1	7.7	0	0	27	02	13	3	1	2	2	3	1	4	0
	2030	747	1010.2	928.1	..	23.2	20.0	18.0	21.1	75	..	5.0	..	4.8	0	1	16	00	5	2	1	0	2	5	1	14	1
GADAG	0530	650	1010.1	937.8	..	20.9	19.6	18.9	22.1	89	..	3.7	..	3.2	0	0	17	00	3	5	5	0	3	1	0	14	0
	0830	650	1011.1	939.1	-0.1	22.5	20.6	19.6	23.0	85	+10	3.6	-1.1	4.1	0	0	28	05	10	9	2	0	0	1	1	3	0
	1130	650	1009.9	939.3	..	28.1	21.8	18.4	21.7	60	..	4.8	..	6.9	0	1	27	02	12	9	2	1	1	1	0	3	0
	1430	650	1006.7	936.5	..	29.6	22.1	18.0	21.3	53	..	5.3	..	7.0	0	0	28	03	13	10	1	0	1	0	0	3	0
	1730	650	1006.5	936.1	+0.3	28.2	21.6	17.9	21.1	58	+ 1	5.6	+0.2	5.6	0	0	31	10	16	3	0	2	0	0	0	0	0
	2030	650	1009.8	938.4	..	24.7	20.8	18.6	21.9	72	..	3.5	..	4.6	0	0	24	01	7	11	0	1	1	2	0	7	1
	2330	650	1010.6	938.7	..	22.9	20.3	18.9	22.1	80	..	3.5	..	6.2	0	0	25	00	5	13	3	0	2	2	0	6	0
BIDAR A.F.....$	0530	665	1010.7	936.4	..	20.4	17.7	15.9	18.3	76	..	3.1	..	7.5	0	0	26	01	13	9	3	0	0	0	0	5	0
	0830	665	1011.6	938.3	..	24.6	19.2	15.0	18.5	61	..	3.7	..	9.5	0	1	26	04	11	5	4	0	0	0	3	4	0
	1130	665	1010.5	938.1	..	28.1	19.6	14.3	16.8	46	..	4.0	..	18.5	0	12	18	08	16	4	1	0	0	1	0	1	0
	1730	665	1007.8	935.5	..	27.8	18.9	12.9	15.4	43	..	4.2	..	18.8	0	6	25	11	18	2	0	0	0	0	0	0	0
	2330	665	1011.6	937.8	..	22.8	18.0	14.9	17.2	62	..	3.0	..	10.4	0	1	28	03	17	7	2	0	0	0	0	2	0
INTERIOR MYSORE,SOUTH																											
BELLARY	0830	449	1011.3	961.2	+0.6	24.5	22.0	20.6	24.4	80	+ 7	5.4	+0.5	2.0	0	0	13	01	10	1	0	0	0	1	0	18	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations											
			At mean sea level or Mt. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
INTERIOR MYSORE, SOUTH																											
BELLARY	1730	449	1006.9	957.6	+0.8	28.6	22.3	18.6	21.8	59	+ 6	6.5	+1.2	5.5	0	0	26	02	21	1	0	0	0	0	2	5	0
CHITRADURGA	0830	733	1011.1	930.2	+0.2	22.1	20.3	19.3	22.5	85	+ 6	4.9	-0.5	3.9	0	0	23	00	3	9	5	0	1	4	1	8	0
	1730	733	1006.5	927.1	+0.5	26.8	20.7	17.3	20.1	60	+ 5	5.1	-0.4	3.5	0	0	19	00	6	9	3	0	1	0	0	12	0
SHIMOGA	0830	571	1010.7	947.2	-0.1	22.0	21.3	21.0	24.9	94	+ 8	5.9	+0.0	1.2	0	0	14	01	1	9	1	0	2	0	0	17	0
	1730	571	1006.6	944.2	+0.4	27.1	22.0	19.4	22.7	66	- 4	5.6	-0.1	2.8	0	0	31	00	7	18	0	0	1	5	0	0	0
AGUMBE $	0830		1011.6	938.6	..	22.1	20.5	19.8	23.0	87	..	4.4	..	7.9	0	1	26	00	12	12	0	1	1	0	1	4	0
	1730		1008.9	936.2	..	23.4	22.0	21.3	25.2	88	..	4.2	..	4.0	0	0	22	01	2	1	0	3	6	9	0	9	0
BALEHONNUR	0830		..	..	..	21.5	20.1	19.4	22.5	88	- 1	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HASSAN $	0830	960	1510.9	905.8	-0.5	23.2	19.6	17.6	20.2	72	-11	6.8	+1.5	1.8	0	0	17	01	0	0	0	0	0	15	1	14	0
	1730	960	1493.3	903.6	+0.6	24.9	20.3	17.8	20.4	66	- 4	6.2	+0.0	2.3	0	0	17	00	4	3	1	0	0	6	3	14	0
BANGALORE $ $	0230	921	1504.2	909.8	..	20.2	18.9	18.2	21.0	88	..	4.9	..	3.7	0	0	19	01	3	10	3	0	0	2	0	12	0
	0830	921	1518.7	911.1	+0.8	21.3	19.4	18.4	21.3	85	+ 2	5.9	-0.2	2.9	0	0	18	00	4	5	4	1	1	1	2	13	0
	1130	921	1524.3	911.0	..	24.6	20.2	17.8	20.5	67	..	5.9	..	4.8	0	0	29	02	8	6	4	1	2	2	4	2	0
	1430	921	1508.2	909.1	..	25.8	20.3	17.2	19.8	62	..	6.2	..	5.2	0	0	29	03	9	3	5	1	1	3	4	2	0
	1730	921	1501.4	908.7	+1.5	24.4	19.7	17.0	19.6	66	+ 2	6.2	-0.1	3.6	0	0	21	02	7	3	2	0	3	1	3	10	0
	2030	921	1513.4	910.5	..	21.9	19.4	18.0	20.8	80	..	5.5	..	3.6	0	0	19	02	8	4	0	1	3	0	1	12	0
BANGALORE AERODROME	0530	897	1488.7	910.9	..	19.4	18.8	18.5	21.1	94	..	5.6	..	4.3	0	0	23	01	6	6	4	0	0	3	3	8	0
	0830	897	1510.8	912.8	+0.2	21.5	19.8	18.8	21.8	85	+ 5	6.1	+0.0	8.1	0	2	26	01	6	5	5	1	2	3	3	3	2
	1130	897	1514.6	912.5	..	25.0	20.4	17.9	20.6	66	..	6.1	..	12.6	0	2	29	01	10	9	3	2	2	2	2	0	0
	1730	897	1488.2	909.9	+0.4	24.4	20.1	17.7	20.5	69	+ 2	6.4	-0.2	8.1	0	2	26	03	5	8	2	2	1	3	3	3	1
	2330	897	1505.7	912.5	..	21.0	19.3	18.4	21.3	86	..	5.1	..	5.6	0	0	26	00	5	14	1	0	1	2	2	5	1
MYSORE	0830	767	1011.1	926.7	+0.1	22.5	20.1	18.9	21.9	81	- 4	3.8	-1.8	5.0	0	0	31	04	3	8	0	8	0	7	1	0	0
	1730	767	1006.3	923.4	-0.1	26.0	20.6	17.6	20.4	62	+ 1	5.0	-0.9	5.8	0	0	31	06	1	17	0	5	0	2	0	0	0
YALANKA A.F.	0530	932	1491.1	907.8	..	19.3	18.6	18.2	21.0	93	..	5.5	..	6.2	0	0	22	03	3	5	2	0	0	2	4	9	3
	0830	932	1511.8	909.6	..	21.7	19.6	18.4	21.3	83	..	6.0	..	9.2	0	1	28	04	5	6	5	1	1	2	2	2	3
	1130	932	1516.2	909.2	..	25.2	20.1	17.3	19.9	63	..	5.9	..	14.4	0	5	26	06	7	5	5	1	2	3	2	0	0
	1730	932	1488.9	906.7	..	24.1	19.5	16.5	19.2	66	..	6.0	..	13.0	0	4	26	07	6	4	3	1	1	3	3	1	2
	2330	932	1489.7	909.2	..	20.5	19.0	18.0	20.8	86	..	5.3	..	12.4	0	3	26	03	8	9	2	1	0	1	4	2	1
KERALA																											
CALICUT	0530	5	1009.1	1008.5	..	24.7	23.8	23.4	28.9	92	..	4.5	..	5.4	0	2	19	02	4	14	0	0	0	1	0	10	0
	0830	5	1010.9	1010.3	-0.3	26.3	24.5	23.7	29.4	86	+ 1	5.2	-0.3	3.2	0	0	26	00	4	9	0	0	5	7	1	4	0
	1130	5	1010.6	1010.0	..	28.9	25.5	24.0	29.8	75	..	4.7	..	8.1	0	0	31	00	0	0	0	0	10	14	7	0	0
	1430	5	1008.0	1007.4	..	29.9	25.8	24.0	29.9	71	..	4.5	..	9.5	0	0	30	00	1	0	0	0	6	16	7	1	0
	1730	5	1008.0	1007.4	-0.2	28.3	25.2	23.9	29.7	78	+ 0	5.3	-0.8	4.9	0	0	26	00	1	0	0	0	0	16	9	5	0
	2330	5	1010.3	1009.7	..	25.6	24.4	23.8	29.6	90	..	5.4	..	5.2	0	0	29	01	13	11	0	0	0	4	0	2	0
PALGHAT	0830	97	1011.1	1000.0	+0.0	25.9	24.1	23.3	28.7	86	+ 1	6.8	+1.0	6.4	0	0	31	02	0	12	0	0	0	17	0	0	0
	1730	97	1007.3	996.4	-0.2	28.3	24.4	22.6	27.9	72	- 5	7.2	+0.7	5.2	0	0	26	02	0	3	0	0	1	20	0	5	0
FORT COCHIN	0830	3	1010.6	1010.3	-0.8	27.2	24.8	23.7	29.2	81	- 2	7.1	+1.1	3.2	0	0	23	02	11	7	0	0	1	1	1	8	0
	1730	3	1007.9	1007.6	-0.3	28.1	25.4	24.3	30.3	80	+ 0	7.2	+0.5	7.8	0	0	28	00	0	0	0	0	5	12	11	3	0
COCHIN(NAVAL AIR STATION)	0230	3	1008.9	1008.6	..	24.7	24.0	23.6	29.1	93	..	6.3	..	2.2	0	0	10	00	1	5	3	0	0	1	0	21	0
	0530	3	1008.9	1008.6	..	24.5	23.7	23.4	28.8	94	..	6.1	..	1.5	0	0	7	00	2	2	2	0	1	0	0	24	0
	0830	3	1010.8	1010.5	..	26.7	24.6	23.7	29.3	84	..	6.1	..	2.8	0	0	12	01	3	5	3	0	0	0	0	19	0
	1130	3	1010.7	1010.4	..	29.2	25.3	23.6	28.9	72	..	5.8	..	7.9	0	0	25	00	0	0	3	2	2	10	7	6	1
	1730	3	1007.7	1007.4	..	28.3	25.1	23.6	29.2	77	..	6.5	..	10.6	0	1	27	00	0	0	0	0	8	9	11	3	0
	2330	3	1010.6	1010.3	..	25.3	24.2	23.7	29.2	90	..	6.6	..	4.2	0	0	17	00	2	8	3	1	2	1	0	14	0
ALLEPPEY	0830	4	1011.2	1010.8	+0.3	26.4	25.0	24.4	30.5	89	+ 4	5.2	-1.0	5.5	0	0	30	00	11	14	3	0	0	1	1	1	0
	1730	4	1008.9	1008.5	+0.9	28.5	25.5	24.2	30.2	78	- 3	5.8	-0.6	19.4	0	20	11	00	2	0	0	0	0	5	24	0	0
PUNALUR	0830	34	1011.0	1007.1	+0.0	25.1	24.1	23.6	29.1	91	+ 0	6.1	+0.7	0.1	0	0	1	00	0	0	0	0	0	1	0	30	0
	1730	34	1007.6	1003.8	-0.3	28.5	25.3	23.8	29.6	77	- 1	7.7	+1.4	3.5	0	0	23	00	0	0	1	0	9	11	2	8	0
TRIVANDRUM	0230	64	1008.9	1001.6	..	24.5	23.8	23.5	29.0	94	..	5.3	..	2.9	0	0	13	04	6	0	0	0	0	1	2	18	0
	0530	64	1009.0	1001.7	..	24.0	23.5	23.2	28.5	95	..	4.9	..	2.8	0	0	17	03	7	1	0	0	0	0	3	14	3
	0830	64	1011.0	1003.7	-0.4	26.1	24.4	23.6	29.1	86	- 1	5.9	+0.5	3.9	0	0	24	11	7	0	0	0	0	0	6	7	0
	1130	64	1010.4	1003.2	..	28.9	25.0	23.3	28.6	72	..	6.4	..	7.4	0	0	28	03	1	0	1	2	5	10	6	3	0
	1430	64	1007.9	1000.6	..	28.8	25.1	23.4	28.8	73	..	6.5	..	8.6	0	0	27	03	0	0	0	3	4	11	6	4	0
	1730	64	1008.1	1000.8	-0.4	27.3	24.8	23.6	29.2	81	+ 1	7.0	+0.6	6.9	0	0	29	04	0	0	0	0	6	6	13	2	0
	2030	64	1010.5	1003.2	..	25.9	24.5	23.9	29.7	89	..	5.6	..	3.9	0	0	18	02	1	0	0	0	1	4	10	13	0
	2330	64	1010.8	1003.5	..	25.1	24.2	23.8	29.4	92	..	5.7	..	4.6	0	0	23	08	5	1	0	0	1	2	5	8	1
TRIVANDRUM AERODOME $	0830	8	1011.3	1010.4	+0.1	27.0	24.5	23.3	28.6	80	+ 0	6.3	+0.9	8.9	0	1	23	11	7	2	0	0	0	2	2	7	0
ARABIAN SEA ISLANDS																											
AMINI	0530	4	1008.6	1008.2	..	26.3	24.2	23.3	28.6	84	..	4.8	..	13.7	0	9	15	05	0	2	0	1	4	6	6	7	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of normal standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ARABIAN SEA ISLANDS (CONTD)																											
AMINI	0830	4	1010.7	1010.3	-0.2	27.5	24.8	23.6	29.1	79	- 1	5.1	-0.1	12.0	0	9	15	05	2	0	0	0	3	5	9	7	0
	1130	4	1010.8	1010.4	..	29.4	25.4	23.7	29.3	71	..	5.1	..	13.2	0	7	23	06	2	1	0	1	6	6	8	1	0
	1730	4	1007.7	1007.3	..	28.9	25.4	23.8	29.5	74	..	5.5	..	14.6	0	13	15	04	1	1	0	1	3	8	10	3	0
	2330	4	1010.1	1009.7	..	27.1	24.7	23.6	29.2	82	..	4.5	..	13.0	0	9	13	04	0	0	0	0	3	2	13	9	0
AGATTI	0830	4	1010.9	1010.4	..	27.5	25.2	24.2	30.3	83	..	6.5	..	6.1	0	0	28	08	3	2	2	0	3	4	6	3	0
	1730	4	1008.2	1007.7	..	28.6	25.6	24.2	30.2	77	..	5.9	..	6.2	0	0	29	04	1	2	0	0	2	9	11	2	0
ANDR TH	0830		(R)																								
	1730		(R)																								
MINICOY	0530	2	1009.1	1008.9	..	25.4	23.7	22.9	27.9	86	..	5.0	..	3.7	0	0	18	02	0	1	0	1	0	6	8	13	0
	0830	2	1011.1	1010.9	-0.3	27.9	24.8	23.4	28.8	77	- 2	5.6	+0.4	6.5	0	0	26	04	0	1	1	0	2	4	14	5	0
	1130	2	1011.1	1010.9	..	29.4	25.3	23.4	28.9	71	..	5.5	..	8.7	0	0	31	07	0	3	3	1	0	3	14	0	0
	1430	2	1008.8	1008.6	..	29.5	25.3	23.5	28.9	70	..	5.7	..	9.2	0	1	30	04	3	0	1	1	1	3	18	0	0
	1730	2	1008.4	1008.2	-0.3	28.6	24.8	23.1	28.3	73	- 5	5.7	+0.1	6.3	0	0	27	06	1	0	0	1	0	6	13	4	0
	2030	2	1010.2	1010.0	..	26.7	24.1	22.9	27.9	80	..	4.9	..	5.0	0	0	23	04	0	0	0	0	0	5	14	8	0
	2330	2	1010.8	1010.6	..	26.1	23.9	22.9	27.9	83	..	4.8	..	5.0	0	0	23	04	0	1	0	1	2	5	10	8	0
HILL STATIONS (EXCLUDING KASHMIR)																											
DALHOUSIE	0830	1959	1452.4	801.5	+0.7	16.9	11.9	7.4	11.0	57	- 7	.	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
	1730	1959	1435.6	800.2	+0.2	18.8	14.9	12.5	14.7	67	+ 4	.	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
DHARMASALA	0830	1211	1555.9	885.0	+0.7	20.0	14.8	10.9	13.2	57	+ 2	1.3	+0.0	0.2	0	0	3	01	0	0	0	0	0	1	1	22	0
	1730	1211	1542.1	883.3	+0.2	23.1	17.3	13.5	15.7	56	- 1	3.7	+1.7	2.2	0	0	15	01	0	0	0	1	8	5	0	3	0
BHUNTAR	0830	1096	1528.1	895.0	..	13.0	10.9	9.1	11.6	77	..	0.7	..	3.5	0	0	26	16	2	2	1	1	0	0	4	5	0
	1130	1096	1521.4	892.9	..	22.1	14.5	8.4	11.1	42	..	1.3	..	7.2	0	1	30	00	1	8	7	13	2	0	0	0	0
	1730	1096	1498.7	890.5	..	22.4	15.1	9.4	12.0	44	..	3.7	..	9.8	0	3	25	01	1	4	7	7	5	1	2	3	0
SIMLA	0830	2202	1511.7	784.2	-0.1	15.1	9.5	4.9	8.2	49	+ 2	0.3	-1.0	0.7	0	0	10	00	0	0	3	0	6	0	1	20	0
	1730	2202	1498.2	782.8	-0.1	15.2	11.5	8.4	11.3	66	+ 7	1.7	-0.4	1.7	0	0	27	04	0	0	6	7	3	2	5	4	0
GHANGARIA (KANJALIA TOK)	0830		..	..	..	3.7	1.9	- 0.3	6.0	75	- 2	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
BADRINATH	0830		(R)																								
JOSHIMATH	0830		000.0	813.4	+0.8	13.0	9.3	5.7	9.4	63	- 3	0.0	-1.9	4.5	0	0	23	00	2	13	6	0	2	0	0	7	0
	1730		000.0	811.2	+0.9	16.8	12.3	8.7	11.6	60	- 2	2.7	-1.2	3.7	0	0	26	00	1	3	5	2	12	3	0	5	0
MUSSOORIE	0830	2042	1539.6	801.6	+1.8	15.0	12.2	10.2	12.3	74	+11	1.3	-0.3	0.4	0	0	6	01	1	0	1	2	1	0	0	25	0
	1730	2042	1523.2	800.4	+1.9	15.1	14.2	13.6	15.6	91	+13	4.1	+1.4	1.5	0	0	22	01	1	0	8	10	2	0	0	8	0
MUKTESWAR (KUMAUN)	0830	2311	3158.8	775.4	+1.0	12.9	8.6	4.2	8.5	58	+ 0	1.2	-0.2	7.0	0	2	26	00	2	3	0	0	4	10	9	3	0
	1730	2311	3147.6	773.8	+1.1	13.9	10.6	7.6	10.7	68	- 2	1.8	-0.3	10.1	0	0	30	00	0	1	0	0	2	14	13	1	0
NAINITAL	0830	1953	1502.5	806.4	+0.0	15.3	10.7	6.2	9.7	57	- 2	0.6	-1.3	1.7	0	0	14	05	0	3	0	0	0	6	0	17	0
	1730	1953	1493.9	805.6	+0.9	15.3	11.3	7.9	10.8	63	-11	1.1	-1.2	6.2	0	0	31	03	0	1	0	2	1	23	1	0	0
KALIMPONG	0830	1209	1510.8	880.0	+0.0	24.0	15.8	9.5	12.0	40	-42	2.2	-0.5	5.8	0	0	31	00	0	0	1	0	0	0	30	0	0
	1730	1209	1478.6	876.8	-0.6	24.3	16.2	10.2	12.7	41	-44	2.7	-0.6	6.0	0	0	31	00	1	0	27	0	0	0	3	0	0
DARJEELING	0830	2128	1533.2	793.5	-0.2	15.6	12.8	10.7	13.0	74	- 1	3.8	-0.5	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	2128	1515.6	791.3	+0.1	14.4	12.9	11.9	14.0	85	- 4	4.7	-0.8	0.1	0	0	1	00	0	0	0	0	1	0	0	31	0
KOHIMA	0830		(R)																								
	1730		(R)																								
SHILLONG (C.S.O.)	0830	1598	1523.0	842.8	+1.5	18.9	15.1	12.6	14.9	69	- 2	3.0	-0.6	2.6	0	0	26	00	5	7	3	0	0	5	6	5	0
	1730	1598	1496.4	840.2	+1.6	16.7	15.8	15.2	17.4	91	+ 4	5.4	-1.1	1.5	0	0	16	00	2	4	5	2	0	2	1	15	0
CHERRAPUNJI	0830	1313	1521.2	870.9	+0.1	20.6	17.4	15.4	18.1	72	- 3	1.2	-2.8	15.7	0	6	25	00	16	3	8	0	2	0	1	0	1
	1730	1313	1497.6	868.5	+0.5	19.6	17.7	16.7	19.0	83	- 4	1.6	-2.3	8.2	0	2	28	00	6	0	7	0	15	1	1	0	0
ABU	0830		(R)																								
	1730		(R)																								
AIJAL	0830		(R)																								
	1730		(R)																								
PACHMARHI	0830	1075	1535.4	896.5	+1.2	22.8	16.2	11.6	13.7	50	-14	0.8	-2.0	1.3	0	0	16	01	2	7	0	1	2	0	3	15	0
	1730	1075	1517.6	894.1	+1.1	25.9	15.9	7.9	10.8	33	-23	1.7	-1.5	1.5	0	0	21	00	6	9	0	0	0	2	4	10	0
MAHABALESHWAR	0830	1382	1522.6	864.2	+0.6	19.4	15.6	12.7	15.0	67	- 8	1.3	-2.5	11.4	0	0	31	00	29	0	0	0	0	0	2	0	0
	1730	1382	1509.7	862.8	+1.2	22.6	17.7	14.5	16.8	64	-14	1.9	-2.7	10.4	0	0	31	00	28	0	0	0	0	0	3	0	0
MERCARA	0830	1152	1511.1	886.4	+0.5	19.9	18.5	17.6	20.2	87	- 2	4.6	-0.1	7.7	0	1	28	13	6	2	0	1	0	6	0	2	1
	1730	1152	1491.5	884.1	+0.6	21.9	20.4	19.5	23.2	87	+ 2	6.0	+0.8	6.4	0	0	28	13	2	2	0	1	0	9	0	3	1
OOTACAMUND	0830	2249	1514.8	780.2	+0.5	13.5	12.4	11.7	13.8	88	+ 2	5.0	+0.5	1.2	0	0	13	02	7	3	0	1	0	0	0	18	0
	1730	2249	1485.9	777.9	+0.0	14.9	13.4	12.3	14.4	85	+ 0	5.9	-0.4	1.2	0	0	8	00	4	0	0	2	2	0	0	23	0
COONOOR	0830		..	..	..	17.8	15.6	14.3	16.4	81	+ 5	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
KODAIKANAL	0830	2343	3152.4	771.6	+0.0	13.4	12.3	11.5	13.7	89	+ 4	6.5	+0.9	8.6	0	1	27	06	3	1	6	2	0	1	9	3	0
	1130	2343	3156.0	771.3	..	15.7	13.6	12.2	14.3	80	..	7.0	..	10.3	0	3	27	08	4	2	5	3	0	0	8	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or mb. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HILL STATIONS(EXCLUDING KASHMIR)																											
KODAIKANAL	1730	2343	3132.5	769.7	-0.1	13.5	12.6	11.9	14.0	90	- 2	7.7	+0.6	8.7	0	3	23	07	1	1	4	3	0	3	7	5	0
MANALI	0830	6690	..	..	..	7.1	5.7	4.2	8.3	83	..	0.6	..	0.5	0	0	2	00	2	0	0	0	0	0	0	23	0
	1730	27	..	..	..	15.6	11.6	8.4	11.2	63	..	4.0	..	2.3	0	0	11	01	8	0	0	0	0	0	2	20	0
NEPAL																											
KATMANDU	0830	1324	1523.2	870.3	-0.6	16.5	15.2	14.4	16.5	88	+ 4	3.0	-1.6	0.3	0	0	4	00	0	1	1	2	0	0	0	27	0
	1130	1324	1515.6	869.0	..	23.6	17.3	13.2	15.3	53	..	2.4	..	0.8	0	0	13	01	0	2	6	3	0	1	0	18	0
	1730	1324	1495.2	867.2	-0.5	19.9	17.0	15.1	17.2	74	- 2	3.5	+0.2	0.8	0	0	9	05	0	0	2	1	0	0	1	22	0
SIKKIM																											
LACHEN	0830		(R)																								
HYDROMETEOROLOGICAL OBSERVATORIES																											
DAMODAR CATCHMENT																											
TILAIYA	0830		..	..	..	26.1	21.4	18.8	21.8	64	..	0.9	..	3.5	0	0	23	04	1	0	2	0	1	7	8	8	0
	1730		..	..	..	26.8	22.0	19.2	22.5	64	..	1.2	..	2.9	0	0	17	03	1	0	2	0	0	6	5	14	0
HAZARIBAGH	0830	615	1011.5	943.3	..	24.7	20.8	18.8	21.8	70	..	0.7	..	2.0	0	0	15	00	0	12	1	1	0	0	1	16	0
	1730	615	1008.4	940.6	..	24.4	20.9	19.1	22.3	73	..	1.1	..	1.6	0	0	11	00	1	3	6	0	1	0	0	20	0
KONAR	0830		(R)																								
	1730		(R)																								
BOKARO	0830	242	1010.3	983.1	..	26.2	22.3	20.2	23.9	70	..	1.9	..	..	.	..	..	00	0	0	0	0	0	0	0	27	0
	1730	242	1002.8	976.0	..	28.5	23.8	21.5	25.5	66	..	2.5	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
MAITHON	0830		..	..	..	29.0	23.5	20.6	24.4	62	..	2.0	..	3.0	0	0	31	00	15	0	3	0	6	0	7	0	0
	1730		..	..	..	29.2	24.4	22.0	26.8	67	..	2.5	..	3.2	0	0	31	00	13	0	2	0	7	0	9	0	0
RAMGARH	0830		..	..	..	23.7	21.2	19.8	23.3	79	..	2.0	..	0.0	0	0	0	00	0	0	0	0	0	0	0	28	0
	1730		..	..	..	26.7	22.5	20.3	23.9	69	..	2.8	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
PANCHET HILLS	0830		..	..	..	25.8	22.8	21.2	25.3	76	..	1.1	..	1.4	0	0	20	00	3	0	3	0	10	0	4	11	0
	1730		..	..	..	27.7	23.6	21.6	25.9	70	..	2.2	..	0.3	0	0	5	00	1	0	1	0	2	0	1	25	0
DURGAPUR	0830		..	..	..	27.6	23.5	21.4	25.6	69	..	0.0	..	7.5	0	0	26	07	1	7	3	3	3	0	2	2	0
	1730		..	..	..	28.0	23.6	21.4	25.7	68	..	0.0	..	5.5	0	0	30	10	2	2	5	9	1	0	1	1	0
MAHANADI CATCHMENT																											
GINABAHAR	0830		..	..	..	24.2	20.3	18.2	21.0	69	..	0.9	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HIRAKUD	0830	159	1012.2	994.2	..	27.2	23.2	21.1	25.2	69	..	2.0	..	0.8	0	0	7	02	3	0	2	0	0	0	0	24	0
	1130	159	1011.0	993.2	..	30.4	23.9	20.6	24.4	56	..	2.1	..	1.5	0	0	20	08	2	1	0	0	2	5	1	11	1
	1730	159	1008.4	990.7	..	29.8	23.2	19.7	23.0	55	..	1.9	..	0.5	0	0	4	00	0	2	0	0	1	0	1	27	0
BHIMKUND	0830		(R)																								
	1730		(R)																								
SONEPUR	0830		..	..	..	25.8	24.2	23.4	28.9	87	..	4.1	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
KHIJRAWAN	0830		..	..	..	24.0	21.3	19.8	23.2	78	..	2.3	..	3.7	0	0	29	01	2	8	4	1	6	4	3	2	0
	1730		..	..	..	26.0	21.5	18.9	22.0	66	..	2.7	..	4.3	0	0	31	09	6	0	1	2	3	1	9	0	0
NARMADA CATCHMENT																											
BAGRA TAWA	0830		..	..	..	23.2	19.0	16.3	18.6	65	..	0.4	..	5.9	0	0	22	00	1	0	2	12	7	0	0	9	0
	1730		..	..	..	29.2	21.2	16.4	18.8	47	..	1.3	..	3.9	0	0	19	00	0	1	11	6	0	1	0	12	0
PUNASA	0830		..	..	..	24.0	20.0	17.4	20.2	68	..	.	..	2.2	0	0	30	00	10	10	5	0	5	0	0	1	0
	1730		..	..	..	31.9	22.6	16.8	19.8	43	..	.	..	2.1	0	0	29	00	12	11	1	0	4	1	0	2	0
THIKRI	0830		..	..	..	26.8	19.1	13.8	16.1	46	..	0.9	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SABARMATI CATCHMENT																											
DAROI	0830		..	..	..	25.8	19.1	14.5	16.5	50	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	33.8	23.2	17.3	19.7	37	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
JHADOL	0830		(R)																								
GANDAK CATCHMENT																											
JAMOSOM	0830		..	..	..	8.6	6.4	4.4	8.4	75	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	12.2	9.5	7.4	10.5	74	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KHUDI BAZAR	0830		..	..	..	19.7	15.9	13.3	15.4	67	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	21.6	18.6	16.7	19.2	74	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TIMURE	0830		..	..	..	11.8	9.6	7.6	10.6	76	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
POKHARA	0830		..	..	..	21.5	17.7	15.3	17.5	68	..	1.6	..	3.3	0	0	27	04	3	1	3	2	6	4	4	4	0
	1130		..	..	..	24.6	19.3	16.2	18.5	60	..	2.5	..	7.8	0	0	31	00	0	5	20	5	1	0	0	0	0
	1730		..	..	..	22.3	19.5	18.0	20.7	77	..	3.2	..	1.5	0	0	14	02	5	3	1	1	0	1	1	17	0
GORKHA	0830		..	..	..	20.3	18.0	16.7	19.0	80	..	2.5	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
	1130		..	..	..	23.4	19.5	17.4	19.9	69	..	2.1	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
	1730		..	..	..	21.0	17.8	15.8	18.1	73	..	2.0	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
NUWAKOT	0830		..	..	..	20.6	18.1	16.7	19.1	78	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	22.2	18.0	15.4	17.7	66	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - OCTOBER ,1969ASVINA 9 - KARTIKA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of mean standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind speed (Km. per hour) 62 or more	29 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GHAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																											
DAILEKH	0830		..	..	..	17.3	14.9	13.2	15.3	78	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT																											
SALLYANA	0830		..	..	..	18.5	14.8	12.1	14.3	67	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	19.2	15.8	13.5	15.5	70	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
RUTMAI	0830		..	..	..	26.7	21.6	18.8	21.7	62	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BAGHMATI CATCHMENT																											
KATMANDU	SEE UNDER NEPAL																										
KOSI CATCHMENT																											
WALUNGCHUNG GOLA	0830		..	..	..	9.7	5.8	1.8	7.1	59	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	6.6	5.5	4.5	8.5	87	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLETHOK	0830		..	..	..	17.9	15.0	12.9	15.0	73	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	19.5	16.1	13.8	15.8	70	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BHOJPUR	0830		..	..	..	18.4	15.6	13.9	16.0	75	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	16.8	15.1	14.1	16.2	85	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLEJUNG	0830		..	..	..	16.5	13.5	11.3	13.5	72	..	2.9	..	0.3	0	0	5	03	0	1	0	0	0	1	0	26	0
	1130		..	..	..	20.1	15.6	12.7	14.9	63	..	3.5	..	4.3	0	0	28	05	2	2	0	3	1	7	7	3	1
	1730		..	..	..	16.6	13.5	11.4	13.6	72	..	4.0	..	6.0	0	1	23	00	1	0	7	15	0	0	0	7	1
OKHALDHUNGA	0830		..	..	..	16.7	14.5	13.0	15.1	79	..	2.8	..	3.5	0	0	7	00	0	0	1	2	0	1	1	24	2
	1130		..	..	..	19.2	15.9	13.9	16.0	72	..	5.2	..	1.2	0	0	8	00	0	0	0	1	2	5	0	23	0
	1730		..	..	..	15.7	14.2	13.2	15.3	86	..	5.0	..	4.8	0	0	26	00	0	0	0	0	6	16	4	5	0
CHAINPUR	0830		..	..	..	19.7	16.9	15.2	17.4	76	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	20.3	17.0	14.8	17.2	72	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BARAHAKSHETRA	0830	146	1013.1	996.4	..	23.5	20.4	18.5	21.5	74	..	1.5	..	1.7	0	0	16	00	0	4	4	2	6	0	0	15	0
	1130	146	1010.9	994.8	..	28.4	23.2	20.4	23.8	62	..	2.5	..	3.4	0	0	25	00	0	0	0	0	11	14	0	6	0
	1730	146	1009.3	992.7	..	24.5	22.3	21.1	25.1	82	..	2.5	..	1.4	0	0	16	00	0	11	4	0	0	1	0	15	0
TISTA CATCHMENT																											
GANGTOK	0830	1812	1525.7	822.1	..	14.9	12.9	11.3	13.6	80	..	2.4	..	1.7	0	0	16	03	6	0	1	2	4	0	0	15	0
	1130	1812	1510.0	821.1	..	20.0	15.7	13.0	15.1	65	..	3.7	..	4.8	0	0	29	00	0	0	0	10	19	0	0	2	0
	1730	1812	1497.8	819.6	..	16.7	14.4	12.9	14.9	78	..	5.4	..	3.5	0	0	26	01	0	2	12	9	1	0	1	5	0
GEZING	0830		..	..	..	16.0	14.7	13.8	15.9	87	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	18.2	15.6	14.0	16.2	77	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

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भारत सरकार

GOVERNMENT OF INDIA

मौसम विज्ञान विभाग

METEOROLOGICAL DEPARTMENT

भारतीय मौसम पुनरीक्षण

INDIA WEATHER REVIEW

1969

मासिक मौसम रिपोर्ट

MONTHLY WEATHER REPORT

नवम्बर

NOVEMBER

भारत सरकार के प्राधिकार द्वारा वेधशालाओं के महानिदेशक के निदेशाधीन प्रकाशित
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INDIA WEATHER REVIEW, 1969

Monthly Weather Report

NOVEMBER

MONTHLY WEATHER REPORT

FOR

NOVEMBER 1969

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MEANINGS OF SYMBOLS AND ABBREVIATIONS IN TABLES II AND III

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

INDIA WEATHER REVIEW, 1969
Monthly Weather Report
NOVEMBER

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Chief Features :-

1. Formation of a severe cyclonic storm in the Bay of Bengal in the first week, its movement across Andhra Pradesh and subsequent weakening into a depression over Maharashtra State and its recurvature as a low pressure area across Madhya Pradesh in the course of the second week causing heavy rainfall and havoc in coastal Andhra Pradesh and good rainfall in north Peninsula and many parts of north India.

2. Westward movement of 2 low pressure areas from Andaman Sea across the Bay of Bengal and south Peninsula in the second fortnight causing good rainfall in the Bay Islands, south Peninsula and the Arabian Sea Islands.

3. Movement of 2 western disturbances in the second and third week across northwest India causing light to moderate rainfall in Punjab and Haryana and light snowfall in Jammu and Kashmir;

4. Appreciably to markedly above normal daily minimum temperatures in many parts of Madhya Pradesh, adjoining parts of Rajasthan and Uttar Pradesh and in many parts of Gujarat and Maharashtra States on most of the days in the month.

The low pressure area which moved from the east into north Andaman Sea on 31st October, moved further westwards into southeast Bay and adjoining central Bay by 2nd November and became less marked on 3rd.

Another low pressure area which moved into north Andaman Sea on 2nd evening, concentrated into a depression on the morning of 4th about 200 kms northeast of Port Blair. Moving westnorthwestwards, it intensified into a cyclonic storm on the morning of 5th about 300 kms northwest of Port Blair (Lat. 13.5°N and Long. 90.5°E). Continuing to move practically westnorthwest, it intensified further into a severe cyclonic storm on the morning of 6th and was centered near Lat. 14.5°N and Long. 87.0°E. Associated with the two systems mentioned above, the Bay Islands had widespread rain with isolated heavy falls from 1st to 7th. The amounts of heavy rainfall were : On 1st 7 cm at Hut Bay; On 4th 7 cm at Nancowry; On 5th 8 cm at Long Island; On 6th 11 cm at Car Nicobar and On 7th 7 cm at Maya Bandar.

The severe cyclonic storm continued to move practically westnorthwestwards, crossed Andhra coast between Kakinada and Masulipatam on the 7th afternoon and was centered near Nidadavole on that evening. Then moving westwards across Telangana as a cyclonic storm and across north Interior Mysore and later northwestwards across Madhya Maharashtra as a depression, it was centred near Ahmednagar on the morning of 9th. It weakened into a low pressure area over north Maharashtra State and adjoining Gujarat and Madhya Pradesh on that evening, recurved and moved eastwards across Madhya Pradesh and was lying as an extended low pressure area from east Madhya Pradesh to East Pakistan on 12th. This system caused fairly widespread rain in north Peninsula, Madhya Pradesh, Uttar Pradesh and northeast India and scattered rain in Gujarat State and east Rajasthan in the second week. The amounts of heavy rainfall were : On 7th 10 cm at Vishakhapatnam; On 8th 15 cm at Kalingapatam, 11 cm at Masulipatam, 10 cm at Vijayawada and Kakinada, 9 cm at Gannavaram, 8 cm at Nidadavolu and Waltair, 7 cm at Vishakhapatnam and Khammam; On 9th 8 cm at Hanamkonda; On 10th 9 cm at Sagar and Chapra and 8 cm at Ujjain, Shajapur, Indore and Bhopal and 7 cm at Patna Airport; On 11th 14 cm at Rajgarh, 10 cm at Purnea and Sidhi, 8 cm at Varanasi City and 7 cm at Nowgong.

According to press reports and the touring officers' report, this cyclonic storm took a toll of about 200 lives and caused heavy damage to standing crops (particularly paddy and sugarcane) and to other property in Krishna, east and west Godavari districts of coastal Andhra Pradesh. The most gruesome tragedy was the death of 42 fishermen living in the Kolletikota Island hamlet in the Kolleru Lake which was washed away by a "water-spout" as the storm moved across the Kolleru Lake on the evening of 7th. Tidal waves affected the coastal areas of Andhra Pradesh between Vishakhapatnam and Coringa (near Kakinada). The maximum wind speed experienced at some places in east and west Godavari districts has been estimated to be of the order of 100 to 150 kmph. The storm belt varied from 10 to 30 kms across its path over Krishna,

east and west Godavari districts. Several thousands of houses were damaged. The damage caused by this storm is reported to be heavier than that caused by the cyclone which hit Andhra Pradesh in May this year. Gannavaram observatory recorded a maximum wind speed of 98 kmph between 1930 and 2030 hrs. IST on 7th and a negative pressure departure of 23 mbs on that evening. Kakinada observatory recorded an average wind speed of 150 kmph in the afternoon of 7th. Some of the very heavy rainfall amounts recorded by the State raingauge stations on 8th were : 19 cm at Bhimavaram, 16 cm at Narsapur, 15 cm at Addathegala (Agency) and Nuzvid and 14 cm at Razole and Amalapuram.

A low pressure area was lying over south Bay from 11th to 13th and became less marked on 14th. It caused good rainfall in the Bay Islands and Tamil Nadu during this period. A feeble low pressure area was lying in east central Arabian Sea off the west coast with a trough extending northwards to Gujarat State and adjoining Rajasthan and west Madhya Pradesh from 13th to 16th. In association with this system, there was good rainfall in south Peninsula and Arabian Sea Islands and isolated light rain in Maharashtra State, west Madhya Pradesh and east Rajasthan during this period. The noteworthy amounts of rainfall were: On 13th 6 cm at Pamban, 5 cm at Mangalore; On 14th 5 cm at Tuticorin; On 15th 5 cm at Coimbatore and 4 cm at Punalur, and on 16th 4 cm at Minicoy.

A low pressure area which moved from the east into Andaman Sea on 15th, moved into south Bay by 17th and further westwards into southwest Bay and adjoining Ceylon by 19th and became well marked with trough extending into west central Bay off Tamil Nadu - Andhra coasts. It moved away westwards across Comorin-Maldive - Laccadive area to south Arabian Sea by 24th and became less marked later. However, the trough of low pressure over west central and adjoining southwest Bay off Andhra - Tamil Nadu coast persisted upto 24th. These systems caused fairly widespread moderate to rather heavy rain in the Bay Islands from 15th to 20th, fairly widespread rain in south Peninsula from 18th to 25th with scattered heavy to very heavy falls in Tamil Nadu from 18th to 20th, isolated heavy to very heavy falls in coastal Andhra Pradesh on 21st and in Kerala, south Interior Mysore and the Arabian Sea Islands on one or two days. The amounts of heavy rainfall were : On 18th 20 cm at Pamban, 8 cm at Vedaranniyam and 7 cm at Nagapattinam On 19th 23 cm at Cuddalore, 21 cm at Pondicherry and Vedaranniyam, 15 cm at Nagapattinam, 11 cm at Kallakkurichchi and 8 cm at Atirampattinam; On 20th 21 cm at Cuddalore, 20 cm at Pondicherry, 16 cm at Madras Airport, 12 cm at Vellore, 10 cm at Nagapattinam and 9 cm at Kallakkurichchi and Minicoy; On 21st 23 cm at Nellore, 11 cm at Trivandrum, 9 cm at Ongole and 8 cm at Madras; On 22nd 7 cm at Coonoor; On 23rd 13 cm at Shimoga, 8 cm at Agumbe and 7 cm at Minicoy; On 24th 11 cm at Bangalore CO, 9 cm at Tirupattur and 7 cm at Tuticorin.

A trough of low pressure extended from southeast Arabian Sea and adjoining Laccadives to Maharashtra coast on 26th, persisted there on 27th, moved westwards and extended from southeast Arabian Sea to east central Arabian Sea on 28th. In this trough a low pressure area developed over east central Arabian Sea on 28th evening, moved northwestwards and was lying over the northern parts of west central Arabian Sea on 30th.

A low pressure area developed over south Andaman Sea and adjoining southeast Bay on 23rd, moved westwards and was lying as a trough over southwest Bay and adjoining west central Bay off Tamil Nadu - coast across Laccadives on 29th and persisted there on 30th also.

Associated with the systems mentioned above, there was scattered light to moderate rain in the Bay Islands from 24th to 26th, moderate to rather heavy rain in the south Peninsula between 26th and 30th and isolated light rain in Konkan and Madhya Maharashtra from 27th to 29th. The noteworthy amounts of rainfall were : On 26th 6 cm at Ongole, 4 cm at Cochin, On 28th 5 cm at Belgaum; On 29th 12 cm at Coonoor 4 cm at Kallakkurichchi; On 30th 6 cm at Madras, Pondicherry and Cuddalore and 4 cm at Vedaranniyam.

A cyclonic circulation extending to about 1.5 kms a.s.l. was lying over Gujarat Region on 29th evening and weakened into a trough over Gujarat State on the next day causing fairly widespread light rain in Gujarat State and isolated light rain in adjoining parts of Rajasthan and west Madhya Pradesh on 30th.

The western disturbances affected northwest India during the month. The first western disturbance moved across northwest India as an upper air trough in the middle troposphere between 10th and 14th causing isolated light to moderate precipitation in the Western Himalayas and the adjoining plains during this period. Patiala recorded 4 cm of rain on 13th. The second western disturbance which was lying over

Afghanistan on 19th moved away eastwards across Jammu and Kashmir by 23rd as a trough in the middle troposphere causing isolated light snowfall in Jammu and Kashmir on 20th and 21st.

The daily minimum temperatures were above normal in many parts of north India and north Peninsula on most of the days in the first 3 weeks and in many parts of Madhya Pradesh, Gujarat State and the Peninsula in the last week, being appreciably to markedly so in many parts of Madhya Pradesh and adjoining parts of Rajasthan and of Uttar Pradesh and in many parts of Gujarat and Maharashtra States. They were below normal in south Madhya Maharashtra, Telangana, Rayalaseema and many parts of Mysore State and Tamil Nadu from 1st to 5th and in extreme northwest India and adjoining Uttar Pradesh in the last week.

The rainfall was in moderate excess in Bay Islands, Orissa, Konkan and Vidarbha; in slight excess in Punjab and Coastal Mysore, normal in Tamil Nadu and north Interior Mysore. It was in slight defect in south Assam and Gangetic West Bengal; in moderate defect in East Rajasthan, Gujarat, Madhya Maharashtra, Rayalaseema and Kerala; in large defect in Haryana, Himachal Pradesh and west Rajasthan. It was in large excess over the rest of the country. There was no rain in Jammu and Kashmir.

The mean maximum temperature was above normal in Gangetic West Bengal, Orissa, Bihar Plateau, Punjab, Himachal Pradesh, Rajasthan, Madhya Pradesh, Gujarat, Saurashtra Kutch and Vidarbha and normal over the rest of the country.

The mean minimum temperature was normal in Bay Islands, Assam, Sub-Himalayan West Bengal, Bihar Plains, Punjab, Tamil Nadu, Coastal Mysore, south Interior Mysore, Kerala and Arabian Sea Islands and above normal over the rest of the country.

The mean Relative Humidity in the morning was above normal in west Uttar Pradesh, Haryana, Jammu and Kashmir, west Madhya Pradesh, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh, Telangana and North Interior Mysore, below normal in Himachal Pradesh and normal over the rest of the country.

The mean Relative Humidity in the evening was above normal in Bihar Plateau, west Uttar Pradesh, Haryana, Jammu and Kashmir, Madhya Pradesh, Saurashtra-Kutch, Madhya Maharashtra, Coastal Andhra Pradesh, Telangana and north Interior Mysore; below normal in Himachal Pradesh and Arabian Sea Islands and normal over the rest of the country.

The mean cloud amount in the morning was normal in Bay Islands, Punjab, Konkan, Madhya Maharashtra, Coastal Andhra Pradesh, Rayalaseema, Tamil Nadu; Coastal Mysore, South Interior Mysore, Kerala and Arabian Sea Islands and above normal over the rest of the country.

The mean cloud amount in the evening was normal in Bay Islands, Haryana, Jammu and Kashmir, Madhya Maharashtra, Rayalaseema, Tamil Nadu, Coastal Mysore, South Interior Mysore, Kerala and Arabian Sea Islands; below normal in Punjab and Himachal Pradesh. It was normal over the rest of the country.

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

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

Pune-5;

6th February 1970.

Y.P. RAO

for Director General of Observatories

TABLE I - DIVISIONAL AND SUB-DIVISIONAL MEANS - NOVEMBER,1969KARTIKA 10 - AGRAHAYANA 9,1891 SAKA)

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1.ASSAM(INCLUDING.	31.2	122	27.2	15.5	82	78	3.6	3.2
NEFA,N.L.ETC) .	+ 5.6		-0.4	-0.1	+ 4	0	+1.0	+1.1
2.WEST BENGAL .	25.0	108	29.5	18.0	71	66	2.3	2.7
.	+ 1.8		+0.8	+1.0	0	0	+0.7	+0.8
3.ORISSA .	52.5	142	30.4	18.9	74	64	3.4	3.9
.	+ 15.5		+1.4	+1.6	+ 3	+ 5	+1.1	+1.4
4.BIHAR .	41.6	408	29.1	15.8	74	65	2.2	2.3
.	+ 31.4		+0.7	+1.1	+ 5	+ 6	+0.9	+1.0
5.UTTAR PRADESH .	13.4	239	28.9	13.9	72	55	1.5	1.7
.	+ 7.8		+1.0	+1.8	+ 4	+ 4	+0.8	+0.9
6.HARYANA(INCLU. .	1.2	33	28.2	12.4	68	49	1.0	0.9
DELHI CHANDIGARH).	- 2.4		0.0	+1.6	+ 8	+11	+0.4	+0.1
7.PUNJAB .	7.7	118	28.5	10.3	68	42	1.1	0.9
.	+ 1.2		+1.1	+0.5	- 1	- 5	-0.1	-0.6
8.HIMACHAL .	0.1	1	26.6	10.8	80	43	1.1	1.2
PRADESH .	- 8.9		+1.5	+2.7	-13	-13	-2.6	-0.7
9.JAMMU AND .	0.0	0	15.9	2.3	91	64	2.2	2.8
KASHMIR .	- 12.7		+0.4	+2.2	+ 6	+10	-0.6	-0.1
SUB-DIVISION								
SUB-DIVISION								
1.BAY ISLANDS .	347.3	144	29.8	23.0	82	85	5.3	5.3
.	+105.5		+0.3	-0.8	+ 2	- 1	+0.2	+0.1
2.NORTH ASSAM .	30.5	169	27.4	15.7	83	80	3.6	3.2
(INCLUDING NEFA) .	+ 12.4		-0.3	-0.2	+ 4	+ 1	+0.8	+1.1
3.SOUTH ASSAM .	32.7	76	26.7	15.1	79	74	3.5	3.2
(INCL.N.LAND ETC).	- 10.1		-0.6	-0.1	+ 1	- 2	+1.2	+1.1
4.SUB-HIMALAYAN .	28.7	259	28.0	16.0	77	72	2.7	2.8
WEST BENGAL .	+ 17.6		0.0	+0.6	+ 3	- 1	+1.3	+1.1
5.GANGETIC WEST- .	23.7	87	30.0	18.7	69	63	2.1	2.7
BENGAL .	- 3.6		+1.1	+1.1	- 1	0	+0.4	+0.7
6.ORISSA .	52.5	142	30.4	18.9	74	64	8.4	3.9
.	+ 15.5		+1.4	+1.6	+ 3	+ 5	+1.1	+1.4
7.BIHAR PLATEAU .	37.5	242	29.4	16.7	70	62	2.2	2.8
.	+ 22.0		+1.4	+2.0	+ 4	+ 8	+0.6	+1.0
8.BIHAR PLAINS .	44.3	671	28.8	15.1	77	67	2.2	1.9
.	+ 37.7		+0.2	+0.5	+ 5	+ 5	+1.2	+0.9
9.UTTAR PRADESH .	11.4	207	29.7	15.2	72	57	1.8	1.9
(EAST) .	+ 5.9		+1.0	+2.3	+ 2	+ 3	+1.1	+1.2
10.UTTAR PRADESH .	16.3	286	27.8	12.1	72	53	1.0	1.4
(WEST) .	+ 10.6		+1.0	+1.1	+ 6	+ 6	+0.2	+0.5
11.HARYANA(INCLU. .	1.2	33	28.2	12.4	68	49	1.0	0.9
DELHI CHANDIGARH).	- 2.4		0.0	+1.6	+ 8	+11	+0.4	+0.1
12.PUNJAB .	7.7	118	28.5	10.3	68	42	1.1	0.9
.	+ 1.2		+1.1	+0.5	- 1	- 5	-0.1	-0.6
13.HIMACHAL .	0.1	1	26.6	10.8	80	43	1.1	1.2
PRADESH .	- 8.9		+1.5	+2.7	-13	-13	-2.6	-0.7
14.JAMMU AND KASH-.	0.0	0	15.9	2.3	91	64	2.2	2.8
-MIR .	- 12.7		+0.4	+2.2	+ 6	+10	-0.6	-0.1
15.RAJASTHAN(WEST).	0.2	8	32.1	15.0	50	33	1.3	1.9
.	- 2.3		+1.9	+2.6	- 3	- 1	+0.5	+0.9
16.RAJASTHAN(EAST).	3.4	60	30.7	14.5	58	38	2.1	2.3
.	- 2.3		+1.6	+2.9	- 2	- 1	+1.2	+1.1
17.MADHYA PRADESH .	49.4	325	30.3	15.9	64	44	2.8	3.0
(WEST) .	+ 34.2		+1.2	+3.3	+ 7	+ 8	+1.4	+1.3

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
10.RAJASTHAN .	2.0	47	31.4	14.7	55	36	1.7	2.1
.	- 2.3		+1.8	+2.7	- 2	- 1	+0.8	+1.0
11.MADHYA PRADESH .	39.9	283	30.0	16.2	66	49	2.7	3.0
.	+ 25.8		+1.2	+3.4	+ 5	+ 8	+1.2	+1.2
12.GUJARAT STATE .	5.4	117	33.9	19.7	58	42	2.1	2.3
(INCLU.DIU ETC).	+ 0.8		+1.3	+2.5	+ 1	+ 4	+0.8	+0.9
13.MAHARASHTRA .	27.5	115	31.8	19.7	67	53	2.9	3.4
STATE(INCL.GOA).	+ 3.6		+1.1	+2.3	+ 4	+ 6	+0.6	+0.8
14.ANDHRA PRADESH .	117.8	162	29.8	21.1	80	67	4.4	4.7
.	+ 45.0		+0.1	+1.5	+ 7	+ 8	+0.8	+0.8
15.TAMILNADU .	230.6	109	30.5	22.3	80	69	5.2	5.5
(INCL.PONDICH.).	+ 19.4		+1.0	-0.1	- 1	- 2	0.0	0.0
16.MYSORE .	66.3	129	29.7	19.9	77	60	4.4	5.0
.	+ 14.9		+0.2	+1.0	+ 5	+ 7	+0.6	+0.8
17.KERALA .	97.4	52	31.6	22.8	82	72	5.0	5.6
.	- 90.9		+0.9	-0.4	+ 1	- 2	+0.2	0.0
SUB-DIVISION								
SUB-DIVISION(CONTD)								
18.MADHYA PRADESH .	27.2	214	29.6	16.5	69	54	2.6	3.0
(EAST) .	+ 14.5		+1.3	+3.4	+ 2	+ 7	+0.9	+1.1
19.GUJARAT REGION .	2.5	53	34.5	19.5	56	36	2.0	2.1
(INCL.DAMAN ETC).	- 2.2		+1.3	+3.2	- 1	+ 1	+0.7	+0.8
20.SAURASHTRAKUTCH.	7.5	163	33.5	19.9	60	46	2.1	2.5
(INCLUDING DIU) .	+ 2.9		+1.4	+2.0	+ 3	+ 6	+0.8	+1.1
21.KONKAN .	34.0	130	32.8	23.7	73	69	2.8	3.6
(INCLUDING GOA).	+ 7.9		+0.9	+2.1	+ 5	+ 4	+0.3	+0.9
22.MADHYA- .	21.4	74	31.7	18.1	68	51	2.6	3.1
-MAHARASHTRA .	- 7.4		+0.9	+2.3	+ 7	+12	+0.4	+0.4
23.MARATHWADA .	41.1	156	30.9	17.3	62	43	4.0	4.4
.	+ 14.7		+0.7	+2.9	+ 7	+ 5	+1.9	+1.8
24.VIDARBHA .	23.1	150	31.3	18.4	62	45	2.8	3.2
.	+ 7.7		+1.6	+2.4	0	+ 3	+0.7	+0.9
25.COASTAL ANDHRA .	188.7	160	30.0	22.3	82	75	4.3	5.1
-PRADESH .	+ 70.8		+0.4	+1.1	+ 6	+ 8	+0.5	+1.0
26.TELANGANA .	67.5	343	29.6	19.9	79	60	4.4	4.0
.	+ 47.8		-0.3	+2.3	+ 9	+11	+1.4	+0.8
27.RAYALASEEMA .	46.4	72	30.0	20.7	75	61	4.4	5.1
.	- 17.7		+0.5	+1.3	+ 1	+ 4	+0.4	+0.6
28.TAMILNADU .	230.6	109	30.5	22.3	80	69	5.2	5.5
(INCL.PONDICH.).	+ 19.4		+1.0	-0.1	- 1	- 2	0.0	0.0
29.COASTAL MYSORE .	75.0	116	31.9	22.4	79	70	4.0	4.6
.	+ 10.6		+0.1	+0.3	+ 3	+ 1	+0.1	+0.4
30.INTERIOR MYSORE.	33.9	97	29.6	19.4	74	55	4.4	5.3
(NORTH) .	- 1.0		+0.3	+1.5	+11	+12	+1.3	+1.6
31.INTERIOR MYSORE.	93.8	155	28.2	18.8	78	59	4.7	5.0
(SOUTH) .	+ 33.3		+0.1	+0.8	0	+ 4	+0.2	+0.3
32.KERALA .	97.4	52	31.6	22.8	82	72	5.0	5.6
.	- 90.9		+0.9	-0.4	+ 1	- 2	+0.2	0.0
33.ARABIAN SEA- .	177.3	155	31.0	23.5	77	70	4.2	5.3
ISLANDS .	+ 62.8		+0.8	-0.7	- 2	- 7	-0.2	0.0

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

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER -- NOVEMBER, 1969 KARTIKA 10 - AGRAHAYANA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation: 0.1 & 0.2 mm.	0.3 mm. or more	Haze or dust	Mist	Thunder heard	Fog	Drizzle	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
BAY ISLANDS																												
MAYA BANDAR	29.6	+0.6	30.8	01	23.3	-1.0	21.7	25	145.8	276.5	+103.2	66.5	07	13	+ 4.2	12.1	8.8	+0.[illegible]	1	15	0	0	5	0	0	0	0	0
LONG ISLAND	30.2	-0.1	31.0	10	23.8	0.0	21.2	25	116.0	266.4	+ 36.9	81.2	05	11	+ 0.9	5.5	3.6	+1.9	0	13	0	0	2	0	0	0	0	0
PORT BLAIR	30.3	+1.1	31.4	18	23.0	-0.6	21.1	25	113.7	222.0	- 28.7	52.7	02	10	- 1.9	9.0	7.1	-4.6	1	17	0	0	3	6	0	0	1	0
CAR NICOBAR	30.2	+0.4	32.0	25	22.4	-0.9	19.9	27	211.9	486.7	+231.7	110.9	06	14	0.0	5.4	3.7	+0.1	0	16	0	0	0	0	0	0	0	0
NAN COWRY	30.5	+0.3	32.4	28	23.5	-0.5	21.9	06	197.6	443.2	+167.2	70.2	04	20	+ 5.0	4.1	3.1	+0.6	0	21	0	0	1	0	0	0	0	0
KONDUL	28.2	-0.2	30.4	17	21.9	-2.0	20.1	06	134.4	388.7	+122.5	70.2	07	16	+ 0.1	2.0	1.3	-2.7	1	24	0	0	0	0	0	0	0	0
HUT BAY/LITTLE ANDAMAN	30.9	..	32.6	22	28.0	..	25.0	18	105.4	376.2	..	64.4	05	16	..	9.1	6.5	..	1	20	0	0	1	0	0	0	0	0
NORTH ASSAM (INCLUDING NEFA)																												
PASIGHAT	27.0	+0.1	31.9	06	16.4	-0.2	13.2	27	1.0	18.9	- 2.5	6.4	12	3	+ 1.1	6.5	10.1	-2.1	1	5	0	0	1	0	0	0	0	0
DIBRUGARH (MOHANBARI)	26.6	-0.2	30.7	01	14.5	+0.2	10.1	28	5.1	15.2	- 6.0	5.9	12	3	+ 1.2	3.9	2.1	+0.5	1	5	0	0	0	8	0	0	0	0
DIGBOI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
NORTH LAKHIMPUR	26.9	-0.8	31.0	06	14.2	+0.3	9.9	30	20.0	43.8	+ 15.8	11.2	14	7	+ 4.9	3.5	2.2	..	0	7	0	0	0	0	0	0	0	0
SIBSAGAR	..	..	..	..	..	..	..	..	0.0	12.6	- 20.4	12.6	12	1	- 1.4	2.0	1.2	-1.2	0	1	0	0	0	0	0	0	0	0
GOHPUR	26.8	-0.5	30.2	02	14.5	+0.2	9.8	30	1.0	40.6	+ 26.0	30.2	19	2	+ 0.7	1.6	1.8	..	0	8	0	0	0	0	0	0	0	0
MAJBAT	27.7	..	32.0	01	15.7	..	11.4	28	12.3	22.9	+ 3.6	6.2	27	4	+ 2.3	3.0	2.3	-0.1	0	5	0	0	0	0	0	0	0	0
JORHAT AERODROME	27.0	..	30.2	06	16.2	..	11.1	08	0.0	22.1	..	13.0	12	2	..	..	..	..	0	5	0	0	0	15	0	0	0	0
TANGLA	27.9	-0.5	32.0	02	16.4	+1.3	11.7	29	16.2	30.8	+ 13.1	14.6	26	2	+ 1.0	2.7	2.0	+0.7	0	3	0	0	0	0	0	0	0	0
TEZPUR	27.3	-0.3	31.5	03	16.9	+0.4	13.3	28	20.6	44.0	+ 22.2	17.5	26	4	+ 2.2	3.9	3.2	+1.1	0	5	0	0	0	0	0	0	0	0
GOLAGHAT	27.2	0.0	31.1	03	13.9	-1.2	9.4	30	1.6	31.4	+ 8.8	15.0	20	3	+ 1.5	1.8	1.8	..	0	5	0	0	0	0	0	0	0	0
RANGIA	27.1	-1.6	30.3	01	16.6	+0.4	12.6	28	5.0	54.2	+ 41.1	24.3	14	4	+ 2.7	5.3	2.9	..	0	5	0	0	0	0	0	0	0	0
CHAPARMUKH	27.2	-1.5	29.1	01	18.9	+1.6	17.1	12	..	12.2	- 4.4	12.2	12	1	- 0.1	.	2.8	..	0	1	0	0	0	0	0	0	0	0
GOALPARA	29.3	+0.2	32.6	06	12.6	-3.9	8.5	29	11.3	38.9	+ 31.0	22.4	12	3	+ 2.1	2.4	1.7	0.0	0	3	0	0	0	0	0	0	0	0
GAUHATI (BHORJUR)	27.1	-0.4	30.4	06	16.6	-0.7	11.7	29	5.0	23.1	+ 13.2	16.4	12	2	+ 1.0	4.6	2.5	..	1	3	0	0	0	11	0	0	0	0
DHUBRI (RUPSI)	27.4	-0.7	30.3	05	15.3	-0.3	10.7	28	18.8	39.7	+ 38.8	19.1	12	3	+ 2.9	5.7	4.7	+2.3	0	3	0	0	0	3	0	0	0	0
DHUBRI	27.1	+0.8	29.8	03	17.3	-0.5	13.5	29	14.8	46.0	+ 35.1	23.0	11	2	+ 1.2	7.0	4.2	-0.3	0	3	0	0	0	0	0	0	0	0
LUMDING	28.1	+1.0	31.8	02	15.1	-0.3	9.8	28	9.2	14.0	- 16.2	6.8	13	2	+ 0.2	2.5	1.9	..	0	3	0	0	0	0	0	0	0	0
BOMDILLA	14.5	..	16.3	08	6.4	..	4.0	29	0.0	32.4	..	14.2	20	3	..	..	..	..	0	5	0	0	0	20	0	0	0	0
TAWANG	14.8	..	16.4	12	2.5	..	0.0	29	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
TEZU	27.3	..	31.3	06	6.6	..	3.5	29	1.5	27.6	..	11.3	15	4	..	1.7	0.9	..	0	8	0	0	0	0	0	0	0	0
ALONG	27.2	..	30.1	09	15.3	..	11.7	30	3.4	46.5	..	15.0	14	4	..	..	..	..	1	7	0	0	0	9	0	0	0	0
ZERO	19.4	..	28.9	04	5.6	..	0.6	30	28.8	41.3	..	8.9	17	6	..	6.7	3.8	..	0	12	0	0	0	28	0	0	0	0
KHONSA	22.1	..	27.5	03	15.7	..	13.1	27	6.0	40.0	..	12.0	12	5	..	..	..	..	0	8	0	0	0	0	0	0	0	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																												
TURA	27.1	+0.6	31.6	05	16.9	+0.6	13.6	26	19.0	33.1	+ 16.8	26.9	12	2	+ 0.5	3.9	5.2	+0.6	0	2	0	0	0	0	0	0	0	0
HAFLONG	21.9	-2.1	24.8	03	15.4	+0.6	12.0	29	1.5	15.9	-110.0	9.0	13	2	+ 0.4	..	..	..	0	2	0	0	0	0	0	0	0	0
SILCHAR (KUMBHIRGRAM)	28.8	-0.3	33.2	03	16.8	+0.7	11.4	28	21.9	60.7	+ 44.8	38.1	13	2	+ 0.7	4.8	7.2	+0.8	0	3	0	0	0	1	0	0	0	0
SILCHAR	25.8	-3.4	29.6	03	17.8	+0.2	12.2	28	15.6	41.5	- 1.9	20.8	12	3	+ 0.9	0.0	0.0	-1.5	0	3	0	0	0	0	0	0	0	0
IMPHAL (TULIHAL)	25.0	+0.2	28.0	01	7.0	-3.1	1.5	28	1.4	10.9	- 17.2	7.0	12	2	+ 0.5	5.7	3.4	+0.1	0	3	0	0	0	9	0	0	0	0
KAILASHAHAR	28.8	-0.1	32.5	05	16.0	+0.3	8.8	28	15.0	32.6	+ 11.2	23.0	13	2	+ 1.4	3.9	2.7	+1.2	0	2	0	0	1	5	0	0	0	0
AGARTALA	29.8	+1.1	33.6	04	15.8	-0.2	9.6	28	7.0	34.2	- 14.5	27.2	12	2	+ 0.3	4.8	2.7	-0.4	0	3	0	0	0	5	0	0	0	0
TUENSANG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MOKOKCHUNG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SUB-HIMALAYAN WEST BENGAL																												
BAGHDOGRA	28.5	0.0	32.0	03	13.7	-0.4	8.9	29	0.0	6.8	+ 0.8	4.8	11	1	+ 0.6	..	..	..	1	2	0	0	0	1	0	0	0	0
JALPAIGURI	27.3	-0.4	30.6	05	17.3	+1.1	13.8	26	0.0	11.4	- 2.8	11.2	11	1	+ 0.2	3.9	3.7	+0.5	1	1	0	0	0	0	0	0	0	0
COOCH BEHAR AERODROME	27.5	-0.8	31.1	01	15.9	-0.2	11.0	29	6.4	21.0	+ 10.8	10.4	11	2	+ 1.3	5.0	2.5	+0.5	1	2	0	0	0	4	0	0	0	0
RAIGANJ	29.2	..	32.0	03	16.9	..	10.6	27	6.4	9.6	..	5.8	12	2	..	2.9	2.0	..	0	2	0	0	0	0	0	0	0	0
MALDA	28.5	+0.9	31.3	06	17.7	+2.0	12.5	28	71.0	75.7	+ 61.7	53.0	12	2	+ 1.2	2.1	1.3	-2.5	0	3	0	0	1	0	0	0	0	0
HASHIMARA AERODROME	29.0	..	33.5	06	14.4	..	10.6	29	3.9	7.3	..	3.6	12	2	..	..	..	..	1	3	0	0	0	0	0	0	0	0
GANGETIC WEST BENGAL																												
BERHAMPORE	29.9	+0.5	32.8	01	18.0	+0.6	12.2	27	1.0	35.6	+ 17.8	27.4	11	2	+ 1.1	0.7	0.2	-1.1	0	2	0	0	1	15	0	0	0	0
SURI	28.8	+0.5	31.9	10	17.7	+0.9	13.1	26	..	26.5	+ 3.4	18.5	12	2	+ 1.5	.	3.4	-1.8	0	2	0	0	0	0	0	0	0	0
ASANSOL	30.7	+1.7	32.5	04	16.6	+0.5	11.5	30	1.4	15.9	- 0.6	11.2	11	2	+ 0.9	6.0	3.0	-1.8	0	3	0	0	1	0	0	0	0	0
SHANTI NIKETAN	29.6	..	31.9	01	17.6	..	12.4	26	9.1	48.8	..	40.0	12	2	..	2.7	2.2	..	1	2	0	0	1	0	0	0	0	0
KRISHNANAGAR	31.3	+1.1	33.3	01	17.0	+0.3	10.3	18	1.2	31.3	+ 5.4	30.1	13	1	- 0.2	2.5	2.0	0.0	0	2	0	0	0	0	0	0	0	0
PURULIA	29.5	+1.4	31.9	01	18.2	+1.6	13.6	30	16.4	19.4	+ 0.4	15.4	11	2	+ 0.9	4.8	2.8	-0.3	0	2	0	0	1	0	0	0	0	0
BANKURA	31.9	..	34.0	01	18.8	..	14.0	26	0.0	27.0	+ 9.5	25.5	12	1	- 0.1	2.0	1.7	..	0	2	0	0	0	0	0	0	0	0
BURDWAN	30.5	+1.8	33.2	10	18.9	+1.1	14.0	28	11.4	61.0	+ 35.9	46.2	13	3	+ 1.9	..	..	..	0	3	0	0	0	0	0	0	0	0
CALCUTTA (DUM DUM)	29.8	+0.8	32.4	11	18.9	+1.3	14.0	28	0.2	16.5	- 12.1	12.8	13	2	+ 0.9	9.6	3.8	-0.1	0	2	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — NOVEMBER,1969KARTIKA 28 - AGRAHAYANA 9,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation: 0.1 & 2.5 mm.	2.5 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
GANGETIC WEST BENGAL(CONTD.)																												
CALCUTTA	30.6	+1.1	32.4	10	19.7	+1.3	15.0	29	0.0	13.7	- 13.5	13.2	13	1	- 0.3	5.5	2.6	0.0	0	2	0	0	0	1	0	0	0	0
MIDNAPURE	29.9	+0.9	32.2	03	18.8	+1.8	13.9	19	0.2	2.6	- 28.9	1.8	13	0	- 1.4	3.8	2.4	-0.4	1	2	0	0	0	0	0	0	0	0
CONTAI	30.2	+1.0	32.3	04	20.2	+1.4	14.9	30	6.0	14.4	- 45.6	6.0	12	3	+ 0.8	5.8	3.4	+0.5	0	4	0	0	0	0	0	0	0	0
SAGAR ISLAND	29.2	+1.3	30.9	01	21.9	+1.6	16.7	30	0.3	20.5	- 14.3	12.2	08	2	+ 0.4	12.7	10.2	-0.9	2	4	0	0	0	10	0	0	0	0
SANDHEADS	29.9	..	32.6	24	25.2	..	17.7	28	15.6	20.4	- 33.2	8.2	09	4	+ 2.0	..	..	..	0	5	0	0	0	0	0	0	0	0
BAGATI	30.3	..	33.4	10	17.5	..	11.7	29	11.3	51.5	..	36.0	13	3	..	3.2	2.1	..	0	3	0	0	1	0	0	0	0	0
ORISSA																												
BARIPADA	31.1	+1.5	34.0	01	18.4	+2.4	13.6	19	10.0	19.5	+ 4.2	11.6	09	2	+ 1.2	1.9	0.7	-0.8	0	5	0	0	0	0	0	0	0	0
JHARSUGUDA	31.2	+2.1	33.5	01	17.8	+2.7	12.5	19	0.3	3.3	- 3.2	3.3	13	1	+ 0.3	7.5	6.0	+0.1	0	1	0	0	1	0	0	0	0	0
KEONJHARGARH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BALASORE	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SAMBALPUR	34.0	+4.7	34.9	19	17.2	+1.4	13.9	22	0.0	1.3	- 11.4	1.3	13	0	- 0.9	..	..	..	0	1	0	0	0	0	0	0	0	0
ANGUL	30.0	+1.3	32.5	01	16.6	-1.0	11.2	20	14.6	26.2	- 3.5	9.6	11	3	+ 1.4	6.4	5.4	+0.2	0	6	0	0	0	0	0	0	0	0
CHANDBALI	29.8	+1.0	32.4	01	20.3	+1.9	15.5	20	40.2	86.4	+ 21.1	37.5	07	6	+ 4.0	7.8	6.1	+1.0	0	6	0	0	0	0	0	0	0	0
BOLANGIR	30.9	+1.6	34.3	13	..	..	..	..	17.2	18.7	+ 15.0	17.2	09	1	+ 0.2	2.3	3.9	0.0	0	3	0	0	0	0	0	0	0	0
PHULBANI	28.5	..	31.0	01	15.5	..	8.6	20	5.0	17.4	..	5.4	09	4	..	3.4	1.8	..	0	4	0	0	0	0	0	0	0	0
CUTTACK	31.1	+1.0	33.7	02	21.8	+3.0	17.0	20	20.8	44.3	- 0.9	18.2	07	5	+ 3.4	4.2	3.5	+0.2	0	5	0	0	0	0	0	0	0	0
TITLAGARH	30.6	+1.4	32.6	06	17.1	+0.9	13.3	04	5.6	7.7	+ 0.2	5.1	11	1	+ 0.3	2.2	2.9	+0.8	0	3	0	0	1	0	0	0	0	0
BHUBANESWAR	30.2	+0.8	32.6	01	20.0	+2.0	14.5	20	51.5	83.5	+ 33.0	26.3	08	6	+ 4.4	8.7	6.8	-0.5	0	6	0	0	0	0	0	0	0	0
PURI	30.5	+1.2	33.2	02	..	..	..	..	32.6	114.3	+ 33.5	37.2	08	5	+ 2.6	12.5	8.8	-1.4	0	6	0	0	0	0	0	0	0	0
GOPALPUR	29.6	+0.3	32.0	02	20.6	+1.1	15.6	20	72.2	153.5	+ 52.4	60.9	07	8	+ 5.3	..	..	..	0	8	0	0	1	0	0	0	0	0
KORAPUT	25.5	+0.1	27.4	13	..	..	..	..	20.3	71.0	+ 45.4	34.8	08	6	+ 4.2	..	..	..	2	8	0	0	0	0	0	0	0	0
PARADIP PORT	32.2	..	33.5	10	22.4	..	18.4	30	25.2	784.6	..	700.0	10	5	..	21.0	17.1	..	0	5	0	0	0	0	0	0	0	0
ROURKELA	30.7	..	33.0	01	17.6	..	12.6	19	0.5	25.1	..	24.6	10	1	..	..	..	..	0	2	0	0	0	0	0	0	0	0
BHOWANI PATNA	30.6	..	33.6	13	19.0	..	13.1	19	0.0	13.2	..	12.4	11	1	..	4.3	3.4	..	0	2	0	0	0	0	0	0	0	0
BIHAR PLATEAU																												
DUMKA	29.7	+1.0	32.5	02	16.3	+1.2	11.2	29	44.0	70.0	+ 54.5	64.0	11	2	+ 1.1	2.7	2.8	+0.5	0	2	0	0	0	0	0	0	0	0
DALTONGANJ	..	..	..	..	14.8	+2.0	9.2	25	2.0	15.2	+ 1.0	12.2	11	1	+ 0.2	4.2	3.2	+0.7	0	3	0	0	0	0	0	0	0	0
HAZARIBAGH	..	..	..	..	..	..	..	..	0.0	0.0	- 18.0	0.0	..	0	- 1.1	6.1	2.6	-3.0	0	0	0	0	0	1	0	0	0	0
DHANBAD	29.4	+1.6	31.8	01	17.5	+1.9	11.5	17	8.4	22.5	+ 7.4	15.5	11	2	+ 1.5	2.8	2.8	-3.6	0	2	0	0	0	0	0	0	0	0
RANCHI AERODROME	26.7	+1.4	29.1	01	15.5	+2.0	10.9	19	15.4	15.8	+ 11.8	10.8	11	2	+ 1.5	12.0	8.0	+0.6	0	2	0	0	0	1	0	0	0	0
JAMSHEDPUR	30.5	+1.4	33.1	01	17.8	+2.3	12.3	30	13.0	79.9	+ 60.4	61.8	12	2	+ 0.8	4.0	2.1	-1.1	0	4	0	0	0	0	0	0	0	0
JAMSHEDPUR P.B.O	30.2	+1.9	32.7	01	17.4	+2.2	12.2	19	22.6	62.1	+ 46.1	31.7	12	3	+ 2.5	4.2	2.4	-1.0	0	4	0	0	1	0	0	0	0	0
CHAIBASA	29.8	+1.3	32.0	01	17.4	+2.0	12.5	30	22.0	34.8	+ 13.0	18.6	11	3	+ 1.7	2.7	2.0	-0.2	0	4	0	0	2	0	0	0	0	0
BIHAR PLAINS																												
MOTIHARI	28.7	+0.7	33.4	01	12.9	-0.9	6.4	27	0.0	1.5	- 0.3	1.5	11	0	- 0.3	2.3	1.3	-0.4	0	1	0	0	0	0	0	0	0	0
FORBESGANJ	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
DARBHANGA	29.4	+0.7	33.6	11	15.8	+0.6	9.8	27	0.0	26.3	+ 18.4	24.2	10	1	+ 0.5	1.6	1.4	+0.2	0	2	0	0	0	0	0	0	0	0
MUZAFFARPUR	28.1	..	31.7	02	15.8	..	9.3	27	0.0	42.0	+ 34.9	33.8	10	2	+ 1.5	3.5	2.2	..	0	3	0	0	0	0	0	0	0	0
CHAPRA	29.4	..	35.8	13	17.5	..	11.8	30	23.6	124.2	+118.1	89.4	10	2	+ 1.5	4.3	2.6	..	0	2	0	0	0	0	0	0	0	0
PURNEA	27.9	-0.9	31.4	03	12.7	-1.7	6.0	28	34.0	100.0	+ 89.8	97.0	11	2	+ 1.4	2.1	1.2	-0.7	0	2	0	0	0	0	0	0	0	0
PATNA AERODROME	28.2	-0.1	31.9	02	16.0	+2.2	10.0	27	2.8	70.4	+ 62.6	65.0	10	2	+ 1.8	5.6	2.9	+0.6	0	2	0	0	1	2	0	0	0	0
ARRAH	..	..	..	..	..	..	..	..	..	0.0	- 6.6	0.0	..	0	- 0.6	..	..	..	0	0	0	0	0	0	0	0	0	0
BHAGALPUR	28.7	-0.3	32.9	01	17.6	+1.0	12.0	29	10.5	16.0	+ 11.0	16.0	11	1	+ 0.7	7.1	4.6	+1.2	0	1	0	0	0	0	0	0	0	0
SABAUR	28.3	0.0	32.0	01	13.3	-0.7	7.1	29	12.8	18.4	+ 10.5	17.6	11	1	+ 0.3	6.8	3.5	+0.1	0	2	0	0	0	0	0	0	0	0
JAMUI	29.0	-0.1	33.4	02	..	..	..	..	30.0	69.0	+ 66.7	68.0	11	1	+ 0.8	3.5	2.4	0.0	0	2	0	0	0	0	0	0	0	0
DEHRI	30.0	+1.1	33.5	01	16.6	+1.6	12.3	30	0.0	46.2	+ 34.3	45.6	11	1	+ 0.3	4.4	2.9	-0.2	0	2	0	0	0	0	0	0	0	0
GAYA	29.4	+0.9	31.9	01	15.8	+1.7	10.3	29	0.6	17.4	+ 12.8	16.3	11	1	+ 0.7	7.4	5.7	+0.7	0	2	0	0	0	0	0	0	0	0
SUPAUL	..	..	..	..	16.0	..	13.1	20	14.0	16.2	..	16.2	10	1	..	.	2.5	..	0	1	0	0	0	0	0	0	0	0
UTTAR PRADESH EAST																												
KHERI	29.5	+1.0	32.0	02	14.6	+1.5	8.8	28	0.0	0.0	- 1.1	0.0	..	0	- 0.1	2.6	1.7	+0.3	0	0	0	0	0	0	0	0	0	0
BAHRAICH	30.0	+1.4	35.2	02	14.8	+1.4	7.7	27	0.0	1.8	- 4.0	1.8	11	0	- 0.4	4.5	3.1	+0.4	0	1	0	0	0	5	0	0	0	0
NAUTANWA	29.8	+2.2	32.4	02	13.2	-0.6	7.0	27	0.0	0.8	- 0.5	0.8	11	0	- 0.4	0.9	1.1	-0.2	0	1	0	0	0	0	0	0	0	0
HARDOI	28.4	-0.5	32.8	06	14.6	+2.3	8.0	28	0.0	10.2	+ 8.3	9.8	11	1	+ 0.8	3.8	2.6	-0.3	0	2	0	0	0	0	0	0	0	0
GONDA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
LUCKNOW	29.7	+0.4	34.4	21	16.3	+3.6	8.5	30	0.0	0.0	- 5.6	0.0	..	0	- 0.3	..	..	..	0	0	0	0	0	0	0	0	0	0
LUCKNOW(AMAUSI)	29.2	+1.0	33.0	04	13.6	+2.7	6.6	27	0.6	6.5	+ 5.8	4.5	10	1	+ 0.9	8.1	5.2	+1.1	0	2	0	0	1	0	0	0	0	0
FAIZABAD	29.5	+1.3	33.3	04	15.1	+2.9	8.3	29	0.6	2.4	0.0	2.4	01	0	- 0.2	3.4	1.7	0.0	0	1	0	0	0	0	0	0	0	0
GORAKHPUR	30.0	+1.5	33.9	04	14.8	+0.2	8.3	27	0.0	0.0	- 4.8	0.0	..	0	- 0.3	5.2	3.0	+1.0	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — NOVEMBER,1969(KARTIKA 10 - AGRAHAYANA 9,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Haze or dust	Hail	Thunder heard	Fog	Duststorm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																												
KANPUR	29.3	+0.4	33.5	05	15.2	+2.9	9.3	27	0.6	5.0	-1.6	4.2	11	1	+0.7	10.4	6.9	+1.8	0	2	0	0	0	0	0	0	0	0
KANPUR(AERODROME)	29.5	..	33.4	01	14.7	..	8.6	27	2.0	5.2	..	4.4	11	1	..	..	..	..	0	2	0	0	0	1	0	0	0	0
SULTANPUR	29.7	+1.0	33.2	06	14.9	+1.3	8.4	29	1.0	2.2	+1.3	2.2	11	0	-0.2	2.2	1.6	-0.9	0	1	0	0	0	0	0	0	0	0
AZAMGARH	30.8	+1.3	34.9	02	15.1	+1.8	8.9	27	1.8	6.8	-0.8	6.8	11	1	+0.7	3.8	2.1	..	0	1	0	0	0	0	0	0	0	0
FATEHPUR	29.7	+0.7	32.8	01	15.1	+2.4	9.7	29	4.2	7.7	+5.3	7.7	11	1	+0.6	..	..	..	0	1	0	0	0	0	0	0	0	0
BALLIA	29.6	+0.8	33.4	01	16.4	+3.7	10.2	30	0.0	7.4	-6.0	7.4	11	1	+0.7	3.4	2.6	+0.5	0	1	0	0	0	0	0	0	0	0
BANDA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ALLAHABAD(BAMHRAULI)	30.6	+1.6	35.4	07	16.2	+3.1	11.0	30	3.3	17.0	+8.4	12.5	11	2	+1.3	2.8	1.3	-2.1	0	2	0	0	0	0	0	0	0	0
VARANASI(BABATPUR)	29.4	+0.8	33.0	03	16.0	+3.1	10.3	30	17.8	37.7	+22.8	37.7	11	1	+0.8	5.7	3.7	-1.4	0	1	0	0	0	0	0	0	0	0
VARANASI	29.5	+0.9	33.5	01	17.2	+3.8	11.7	29	54.4	77.6	+67.4	77.6	11	1	+0.4	4.4	3.5	-1.7	0	1	0	0	0	3	0	0	0	0
UTTAR PRADESH WEST																												
MUKHIM	19.0	+1.5	21.7	09	8.8	+1.2	4.9	27	0.0	0.0	-15.3	0.0	..	0	-0.7	..	..	..	0	0	0	0	0	0	0	0	0	0
TEHRI	27.2	+1.8	30.7	09	10.3	+1.1	5.0	26	0.0	0.0	-7.3	0.0	..	0	-0.3	1.4	0.6	..	0	0	0	0	0	0	0	0	0	0
DEHRA DUN	26.1	+1.4	28.7	08	10.4	+0.1	5.3	27	0.0	0.0	-7.6	0.0	..	0	-0.5	3.2	3.3	+0.3	0	0	0	0	0	0	0	0	0	0
MANSIARI	..	..	..	..	..	..	..	..	..	0.0	..	0.0	..	0	..	..	4.9	..	0	0	0	0	0	0	0	0	0	0
ROORKEE	28.3	+1.8	31.2	05	10.3	+0.2	4.5	27	0.0	0.0	-4.3	0.0	..	0	-0.3	4.6	2.8	+0.2	0	0	0	0	0	0	0	0	0	0
NAJIBABAD	28.1	+1.3	31.3	01	11.6	+0.8	5.6	25	0.0	0.0	-4.8	0.0	..	0	-0.5	4.7	3.4	+1.1	0	0	0	0	0	0	0	0	0	0
MEERUT	30.3	+2.4	34.0	04	10.0	-1.3	3.3	27	..	0.0	-2.5	0.0	..	0	-0.3	..	3.9	-0.5	0	0	0	0	0	0	0	0	0	0
BAREILLY	29.0	+0.6	32.7	03	14.7	+2.1	8.0	28	0.0	0.0	-4.1	0.0	..	0	-0.3	6.2	4.1	+1.9	0	0	0	0	0	0	0	0	0	0
ALIGARH	28.9	-0.1	33.8	04	13.4	+1.3	7.0	27	0.0	0.0	-0.5	0.0	..	0	-0.1	4.6	2.4	-2.2	0	0	0	0	0	1	0	0	0	0
MAINPURI	29.9	-0.1	34.0	05	13.6	+1.9	6.7	27	2.9	15.1	+11.8	12.2	10	2	+1.7	..	..	..	0	2	0	0	0	0	0	0	0	0
AGRA	28.4	-0.6	34.5	05	14.7	+2.7	7.0	27	25.0	75.9	+72.6	50.9	10	2	+1.7	2.5	1.5	-1.1	0	2	0	0	0	0	0	0	0	0
AGRA AERODROME	29.6	..	35.0	03	13.4	..	5.2	28	34.5	91.6	..	57.1	10	2	..	..	..	..	0	2	0	0	0	1	0	0	0	0
ORAI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
JHANSI	30.2	+0.5	37.4	17	15.1	+2.0	9.7	30	67.6	88.2	+78.8	48.4	10	2	+1.4	2.7	2.8	-0.7	0	2	0	0	0	0	0	0	0	0
MORADABAD	28.0	..	31.0	09	13.9	..	7.4	26	0.0	0.0	..	0.0	..	0	..	3.7	3.6	..	0	0	0	0	0	0	0	0	0	0
UTTAR KASHI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ASCOT	..	..	..	..	..	..	..	..	2.0	2.0	..	2.0	05	0	..	2.3	1.2	..	0	1	0	0	1	0	0	0	0	0
DHARCHULA	..	..	..	..	..	..	..	..	2.4	2.4	..	2.4	05	0	..	2.8	1.6	..	0	1	0	0	0	0	0	0	0	0
HARYANA(INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	28.4	+1.4	32.6	03	11.3	+1.0	4.2	26	4.8	4.8	-0.6	4.8	13	1	+0.6	..	..	..	0	1	0	0	0	0	0	0	0	0
AMBALA	25.6	-3.0	31.8	04	11.7	+1.5	4.4	27	0.0	0.0	-4.3	0.0	..	0	-0.4	7.6	6.5	+1.8	0	0	0	0	0	0	0	0	0	0
AMBALA AERODROME	28.7	..	32.6	04	9.2	..	2.2	27	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
KARNAL	28.0	+0.8	32.7	01	12.3	+0.4	6.4	27	0.0	0.0	-5.3	0.0	..	0	-0.4	..	..	..	0	0	0	0	0	0	0	0	0	0
HISSAR	29.6	0.0	34.9	03	12.5	+2.7	5.1	28	0.0	1.0	0.0	1.0	02	0	-0.1	5.1	4.3	-0.2	0	1	0	0	1	0	0	0	0	0
NEW DELHI/SAFDARJUNG	29.3	+0.6	34.0	03	14.0	+2.2	7.3	27	0.0	0.0	-2.0	0.0	..	0	-0.2	9.8	5.9	-0.8	0	0	0	0	0	0	0	0	0	0
PALAM AERODROME	29.3	..	34.0	04	11.5	..	5.1	26	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
GURGAON	29.5	..	34.0	03	10.0	..	2.6	26	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
NARNAUL	30.7	..	35.1	03	13.0	..	6.4	30	0.0	0.0	..	0.0	..	0	..	16.7	12.3	..	0	0	0	0	0	0	0	0	0	0
ROHTAK	29.8	..	34.2	03	10.9	..	5.4	27	0.0	0.0	..	0.0	..	0	..	7.2	5.5	..	0	0	0	0	0	0	0	0	0	0
PUNJAB																												
PATHANKOT	27.9	+2.0	31.8	03	8.4	-1.4	2.4	28	0.0	0.0	-10.0	0.0	..	0	-0.8	..	..	..	0	0	0	0	0	0	0	0	0	0
AMRITSAR	28.3	+1.8	33.4	03	10.0	+1.2	3.4	28	0.0	0.0	-7.4	0.0	..	0	-0.6	..	..	..	0	0	0	0	0	0	0	0	0	0
ADAMPUR AERODROME	28.7	..	33.1	03	6.9	..	-0.2	24	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
LUDHIANA	29.6	+0.8	34.6	02	11.7	+1.6	4.7	28	0.0	1.3	-2.0	1.3	12	0	-0.4	3.4	1.7	-0.3	0	1	0	0	1	0	0	0	0	0
FEROZEPUR	28.3	+0.8	34.5	03	9.1	-0.6	2.0	28	0.0	0.0	-8.7	0.0	..	0	-0.5	1.8	1.3	-0.1	0	0	0	0	0	0	0	0	0	0
HALWARA AERODROME	28.6	..	33.2	03	9.2	..	2.1	28	0.0	2.2	..	2.2	12	0	..	..	..	..	0	1	0	0	1	0	0	0	0	0
PATIALA	27.9	-0.3	32.6	03	11.7	+1.1	3.7	27	0.0	44.8	+41.0	44.8	13	1	+0.6	6.4	6.8	+0.3	0	1	0	0	0	0	0	0	0	0
BHATINDA	29.0	+1.7	34.9	03	10.6	+0.7	2.4	28	0.0	0.0	-5.7	0.0	..	0	-0.8	3.1	1.7	-1.6	0	0	0	0	0	0	0	0	0	0
HIMACHAL PRADESH																												
MANDI	..	..	..	..	..	..	..	..	0.2	0.2	-7.5	0.2	12	0	-0.4	..	..	..	1	0	0	0	0	0	0	0	0	0
BILASPUR	26.6	+1.5	30.5	01	10.8	+2.7	5.6	27	0.0	0.0	-10.2	0.0	..	0	-0.7	3.4	2.0	-0.3	0	0	0	0	0	0	0	0	0	0
JAMMU AND KASHMIR																												
MISGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GILGIT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SKARDU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
DRAS	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SONAMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
LEH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — NOVEMBER,1969KARTIKA 10 - AGRAHAYANA 9,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or dust	Hail	Thunder [illegible]	Fog	Duststorm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD)																												
SRINAGAR	15.9	+0.4	21.2	10	2.3	+2.2	- 3.4	29	0.0	0.0	- 12.7	0.0	..	0	- 1.1	4.3	3.4	+0.4	0	[illegible]	0	0	0	0	0	0	0	0
SRINAGAR AERODROME	14.5	..	18.8	07	1.4	..	- 3.9	27	0.0	0.0	..	0.0	..	0	..	..	..	..	0	[illegible]	0	0	0	0	0	0	0	0
GULMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
QAZIGUND	16.0	..	20.9	07	1.8	..	- 3.3	28	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
BANIHAL	19.6	..	26.4	08	4.0	..	- 0.5	28	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
JAMMU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JAMMU AERODROME	28.0	..	32.1	02	12.3	..	6.2	23	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
GULMARG (RESEARCH INSTITUTE)	9.2	..	14.4	10	1.3	..	- 6.1	22	5.4	8.9	..	4.5	20	1	..	..	..	..	0	4	4	0	0	0	0	0	0	0
RAJASTHAN,WEST																												
GANGANAGAR	30.8	+1.4	36.3	05	12.1	+3.2	3.8	24	0.0	0.0	- 3.0	0.0	..	0	- 0.2	2.9	1.8	-1.5	0	0	0	0	0	0	0	0	0	0
ANUPGARH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
CHURU	30.4	+2.1	35.7	05	11.7	+1.9	3.2	26	0.0	0.0	- 5.7	0.0	..	0	- 0.5	5.7	3.5	-0.7	0	0	0	0	1	0	0	0	0	0
BIKANER	31.4	+1.1	36.4	03	13.1	+3.1	3.4	26	0.0	0.0	- 1.0	0.0	..	0	- 0.1	6.3	4.6	+1.1	0	0	0	0	0	0	1	0	0	0
NAGAUR	31.6	+2.9	36.4	05	14.3	+1.8	4.4	26	0.0	0.0	- 0.3	0.0	..	0	0.0	6.5	6.0	+1.1	0	0	0	0	0	0	0	0	0	0
PHALODI	32.1	+1.8	36.6	05	15.3	+2.2	7.7	26	0.0	0.0	- 0.8	0.0	..	0	- 0.1	11.9	7.8	-4.0	0	0	0	0	0	0	0	0	0	0
JAISALMER	31.5	+0.4	36.4	07	15.6	+2.6	5.0	26	0.0	0.0	- 4.1	0.0	..	0	- 0.3	9.8	8.2	+2.7	0	0	0	0	0	0	0	0	0	0
JODHPUR	33.4	+2.0	37.2	06	17.9	+4.0	9.4	27	0.0	0.0	- 1.8	0.0	..	0	- 0.1	..	..	..	0	0	0	0	0	0	0	0	0	0
BARMER	33.4	+1.9	37.4	07	19.2	+3.3	11.9	27	0.0	0.0	- 0.3	0.0	..	0	- 0.1	6.7	6.0	+0.7	0	0	0	0	0	0	0	0	0	0
ERINPURA (JAWAI DAM)	34.4	+3.7	37.1	06	16.0	+1.4	9.3	27	0.0	1.8	- 3.8	1.8	30	0	- 0.3	2.9	1.9	-1.8	0	1	0	0	0	1	0	0	0	0
JALORE	33.3	..	36.4	01	..	..	..	..	0.0	0.5	..	0.5	30	0	..	5.5	7.2	..	0	1	0	0	0	0	0	0	0	0
RAJASTHAN,EAST																												
PILANI	30.7	+2.3	35.8	04	12.1	+1.4	4.4	28	0.0	0.0	- 6.6	0.0	..	0	- 0.5	5.5	4.2	-2.5	0	0	0	0	0	0	0	0	0	0
SIKAR	29.9	+0.8	34.8	05	12.0	+1.6	2.6	27	0.0	0.0	- 4.1	0.0	..	0	- 0.3	1.7	1.3	-3.0	0	0	0	0	0	0	0	0	0	0
ALWAR	28.9	+0.7	34.5	05	14.3	+2.0	6.9	27	0.0	0.4	- 8.5	0.4	11	0	- 1.2	3.6	2.1	-0.2	0	1	0	0	0	0	0	0	0	0
JAIPUR(SANGANER)	30.0	+1.0	34.6	02	15.5	+3.5	7.6	27	0.5	0.5	- 1.8	0.5	16	0	- 0.3	..	..	..	0	1	0	0	0	0	0	0	0	0
DHOLPUR	31.9	+3.0	36.0	03	11.7	+0.4	5.2	30	0.0	2.4	+ 1.7	1.4	10	0	- 0.4	2.5	1.5	-0.9	0	2	0	0	0	0	0	0	0	0
AJMER	30.9	+2.0	35.0	06	16.0	+5.1	9.3	28	0.0	0.0	- 3.3	0.0	..	0	- 0.4	3.4	4.1	+1.8	0	0	0	0	0	0	0	0	0	0
TONK	31.5	+3.6	36.3	01	14.8	+2.9	7.2	27	0.0	0.0	- 12.9	0.0	..	0	- 0.8	6.1	4.9	+0.9	0	0	0	0	0	0	0	0	0	0
BHILWARA	31.0	..	35.0	03	15.3	..	9.5	27	0.0	0.0	..	0.0	..	0	..	5.7	4.4	..	0	0	0	0	0	0	0	0	0	0
KOTA	31.5	+0.7	35.4	01	17.7	+2.9	13.0	27	0.0	0.4	- 5.7	0.4	09	0	- 0.6	3.3	2.5	+0.8	0	1	0	0	0	0	0	0	0	0
KOTA AERODROME	31.3	..	35.3	01	18.1	..	14.0	27	0.2	0.2	..	0.2	09	0	..	8.3	6.0	..	1	0	0	0	0	0	0	0	0	0
CHAMBAL (RAWAT BHATTA DAM)	31.2	+1.3	35.3	01	16.3	+5.7	12.1	27	0.3	0.5	- 0.4	0.3	13	0	- 0.1	6.0	3.6	+0.2	1	1	0	0	0	0	0	0	0	0
UDAIPUR	30.4	+1.3	33.8	01	14.1	+3.1	8.3	27	4.3	1.5	- 2.1	1.2	13	0	- 0.3	3.8	1.8	+0.3	0	2	0	0	0	0	0	0	0	0
JHALAWAR	31.2	+1.4	35.5	01	14.6	+2.4	11.1	27	1.4	31.8	+ 18.6	25.0	09	2	+ 1.0	9.2	5.2	+1.1	0	4	0	0	1	0	0	0	0	0
BANSWARA	33.1	..	35.5	02	18.4	..	13.3	28	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
DUNGARPUR	33.1	..	35.4	01	16.4	..	9.0	27	0.0	3.6	..	3.6	10	1	..	2.5	2.0	..	0	1	0	0	0	0	0	0	0	0
BUNDI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SAWAI MADHOPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MADHYA PRADESH,WEST																												
GWALIOR	29.6	+0.2	34.8	04	13.8	+3.3	7.2	30	5.9	8.3	+ 5.2	5.0	10	2	+ 1.6	6.4	3.2	+0.4	0	2	0	0	0	1	0	0	0	0
SHEOPUR	31.6	+2.2	35.0	02	14.7	+3.7	9.1	29	0.0	0.0	- 4.4	0.0	..	0	- 0.4	5.5	4.3	+0.2	0	0	0	0	0	0	0	0	0	0
SHIVPURI	28.7	..	33.0	01	11.8	..	6.5	30	15.8	22.6	..	10.6	10	3	..	6.1	3.3	..	0	3	0	0	0	0	0	0	0	0
NOWGONG	29.5	+0.4	33.8	05	15.4	+4.9	11.0	30	52.2	104.2	+ 89.7	69.4	11	2	+ 1.3	5.1	3.1	+1.0	0	2	0	0	0	0	0	0	0	0
GUNA	29.2	+0.3	33.5	05	14.9	+4.3	10.1	27	54.3	64.8	+ 43.2	44.1	11	3	+ 2.2	9.0	6.1	+3.2	1	4	0	0	0	1	0	0	0	0
NIMACH	30.7	+1.4	34.2	01	17.4	+4.2	12.8	28	0.0	0.9	- 7.2	0.9	13	0	- 0.5	7.3	5.6	+0.7	0	1	0	0	0	0	0	0	0	0
RAJGARH	30.7	+0.8	34.9	02	16.1	+3.6	10.5	28	140.8	169.5	+169.5	144.1	11	2	+ 1.3	7.7	4.8	+0.4	0	2	0	0	0	0	0	0	0	0
SAGAR	27.7	0.0	31.5	03	..	..	..	..	6.0	114.0	+ 90.6	86.0	10	2	+ 0.9	11.9	10.4	+3.7	0	4	0	0	0	0	0	0	0	0
RATLAM	31.5	+1.2	35.4	03	17.1	+2.5	13.1	27	0.6	62.8	+ 59.8	62.2	10	1	+ 0.7	8.3	7.0	+1.1	0	2	0	0	0	0	0	0	0	0
BHOPAL(BAIRAGARH)	29.3	+0.8	32.8	03	16.4	+3.1	12.0	29	14.7	105.1	+ 84.5	76.4	10	2	+ 0.9	8.9	6.6	+2.3	0	3	0	0	0	1	0	0	1	0
UJJAIN	30.3	..	34.0	01	15.2	..	9.7	28	55.2	123.4	..	76.0	10	2	..	6.8	3.9	..	0	2	0	0	0	0	0	0	0	0
NARSINGHPUR	30.8	..	33.4	02	14.2	..	8.2	25	1.0	3.0	..	2.0	11	0	..	3.9	2.1	..	0	2	0	0	0	0	0	0	0	0
HOSHANGABAD	31.0	+1.7	35.9	02	17.3	+2.8	13.2	26	2.8	14.6	- 6.7	11.4	10	2	+ 1.0	2.9	2.0	-1.0	0	2	0	0	0	0	0	0	0	0
INDORE	29.7	+0.9	33.0	01	16.2	+4.1	[illegible]	28	8.2	83.3	+ 62.2	82.6	10	1	- 0.2	8.9	5.5	-2.0	1	2	0	0	0	0	0	0	0	0
RAJPUR(JHABUA)	32.6	+1.5	36.0	01	16.8	+1.6	12.0	27	16.0	0.0	- 5.7	0.0	..	0	- 0.7	6.1	3.3	+0.5	0	0	0	0	0	0	0	0	0	0
CHHINDWARA	29.3	+1.6	32.3	01	14.7	+2.9	10.0	27	0.0	0.0	- 18.0	0.0	..	0	- 0.3	..	..	..	0	0	0	0	0	0	0	0	0	0
SEONI	29.5	+2.0	32.9	01	16.1	+2.8	11.8	26	1.8	1.8	- 19.8	1.8	16	0	- 1.1	8.8	5.6	+1.0	0	1	0	0	0	0	0	0	0	0
BETUL	29.0	+1.3	31.6	16	15.1	+3.1	11.5	27	0.8	17.2	- 11.7	10.4	11	2	+ 0.8	6.9	4.1	+0.3	0	2	0	0	0	0	0	0	0	0
KHANDWA	33.5	+2.3	37.7	01	16.3	+2.8	12.2	26	24.1	44.5	+ 17.3	34.1	10	2	+ 0.8	7.2	4.3	0.0	0	3	0	0	1	0	0	0	0	0
TIKAMGARH	28.6	..	33.0	01	14.8	..	10.3	30	30.6	61.7	..	48.1	11	2	..	4.8	3.6	..	0	3	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — NOVEMBER,1969KARTIKA 10 - AGRAHAYANA 9,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with										
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
MADHYA PRADESH WEST (CONTD)																												
SHAJAPUR	29.8	..	33.6	01	15.1	..	9.5	28	62.4	146.4	..	83.2	10	2	..	..	..	..	0	2	0	0	0	1	0	0	0	0
KANNOD	31.4	..	34.6	01	15.7	..	12.0	29	0.0	103.1	..	62.0	10	2	..	3.9	2.7	..	0	2	0	0	0	1	0	0	0	0
KHARGUNE	32.4	..	35.9	01	17.3	..	13.0	26	0.9	2.5	..	2.5	10	1	..	4.9	3.7	..	0	1	0	0	0	0	0	0	0	0
MADHYA PRADESH,EAST																												
SATNA	29.7	+0.8	33.2	01	16.2	+4.6	12.2	30	49.2	91.4	+ 79.2	44.8	11	3	+ 2.2	4.4	3.5	+0.8	0	3	0	0	2	1	0	0	0	0
REWA	28.4	..	32.1	01	16.2	..	12.0	29	25.0	57.3	..	35.2	11	3	..	4.8	2.5	..	0	3	0	0	1	0	0	0	0	0
SIDHI	30.0	+0.9	33.2	01	16.2	+4.5	11.4	24	37.8	118.0	+116.6	99.4	11	3	+ 2.8	2.8	1.9	-0.7	0	3	0	0	0	0	0	0	0	0
UMARIA	29.4	+1.8	33.2	01	15.1	+4.3	9.2	25	19.2	34.0	+ 12.1	17.1	11	2	+ 1.0	2.9	1.8	-0.7	0	3	0	0	2	0	0	0	0	0
JABALPUR	31.0	+2.1	34.5	02	15.9	+4.2	10.5	25	5.1	22.4	+ 3.6	15.0	10	2	+ 1.0	5.7	3.8	+1.0	0	3	0	0	1	1	0	0	0	0
AMBIKAPUR	27.9	+1.9	30.9	08	14.1	+3.6	8.8	19	3.8	11.4	+ 10.3	6.2	10	2	+ 1.9	8.5	5.8	0.0	0	3	0	0	2	1	0	0	0	0
JASHPURNAGAR	26.4	..	28.9	02	13.7	..	7.7	19	6.8	24.2	..	13.8	10	2	..	4.6	2.0	..	0	4	0	0	0	0	0	0	0	0
PENDRA	27.9	+1.6	30.5	01	16.1	+2.7	12.7	30	0.0	0.5	- 17.3	0.5	11	0	- 1.3	7.0	4.0	+0.3	0	1	0	0	0	0	0	0	0	0
MANDLA	26.8	-1.3	28.6	02	14.2	+4.3	9.0	26	0.0	0.0	- 7.9	0.0	..	0	- 0.2	4.6	2.1	+0.5	0	0	0	0	0	1	0	0	0	0
CHAMPA	30.6	+1.3	33.8	01	18.3	+2.2	14.0	19	8.0	8.0	+ 2.3	8.0	10	1	+ 0.4	5.0	4.4	-0.5	0	1	0	0	0	0	0	0	0	0
RAIGARH	31.6	+1.8	33.5	01	18.9	+2.5	13.1	19	1.6	1.6	+ 0.9	1.6	12	0	- 0.1	5.3	3.9	+0.1	0	1	0	0	0	0	0	0	0	0
RAIPUR	31.1	+2.0	34.1	01	18.0	+2.0	14.0	19	0.0	0.0	- 14.5	0.0	..	0	- 0.9	7.4	4.9	+0.8	0	0	0	0	0	0	0	0	0	0
KANKER	29.9	+1.6	32.2	01	17.4	+3.2	11.2	20	0.0	8.6	- 11.7	8.6	08	1	- 0.1	4.5	3.4	+0.4	0	1	0	0	0	0	0	0	0	0
JAGDALPUR	28.8	+0.7	31.5	01	17.6	+2.9	12.5	20	18.3	30.5	+ 0.5	11.0	12	4	+ 2.2	5.9	3.5	+0.5	1	5	0	0	0	2	0	0	0	0
DURG	30.8	..	34.0	01	16.9	..	15.0	19	0.0	0.0	..	0.0	..	0	..	6.4	4.6	..	0	0	0	0	0	0	0	0	0	0
GUJARAT REGION(INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																												
DEESA	34.6	+1.5	38.1	03	18.3	+4.3	10.3	27	0.0	9.0	+ 7.2	9.0	30	1	+ 0.9	9.0	6.4	..	0	1	0	0	0	0	0	0	0	0
RADHANPUR	33.9	+1.2	36.4	08	18.8	+3.8	13.2	27	0.0	0.0	- 3.8	0.0	..	0	- 0.2	7.8	5.7	+1.0	0	0	0	0	0	0	0	0	0	0
IDAR	33.7	+2.0	36.7	01	21.1	+1.9	17.1	27	0.0	0.0	0.0	0.0	..	0	- 0.3	7.7	5.8	-0.5	0	0	0	0	0	0	0	0	0	0
AHMADABAD	34.7	+1.7	37.5	01	19.4	+3.3	14.8	27	1.1	0.0	- 4.3	0.0	..	0	- 0.4	8.5	4.8	+0.7	0	0	0	0	0	0	0	0	0	0
DOHAD	32.4	+0.9	35.8	01	18.1	+2.8	13.5	27	0.0	12.8	+ 1.7	12.8	10	1	+ 0.4	8.2	6.4	-0.3	0	1	0	0	0	0	0	0	0	0
VALLABH VIDYANAGAR	34.6	..	37.4	04	18.4	..	12.4	27	21.8	0.0	..	0.0	..	0	..	7.5	5.1	..	0	0	0	0	1	0	0	0	0	0
BARODA AERODROME	34.9	+1.6	37.5	01	19.3	+2.9	13.4	27	23.5	0.0	- 2.1	0.0	..	0	- 0.3	12.3	9.1	+2.6	0	0	0	0	0	0	0	0	0	0
BARODA	34.9	+1.5	37.5	01	20.0	+5.7	14.8	27	30.2	0.0	- 5.2	0.0	..	0	- 0.4	5.5	3.4	+0.8	0	0	0	0	0	0	0	0	0	0
BROACH	35.0	-0.1	38.0	01	18.8	+1.6	15.0	27	0.4	0.6	- 0.6	0.6	30	0	- 0.1	9.2	5.8	+1.2	0	1	0	0	0	0	0	0	0	0
SURAT	36.1	+1.2	38.1	01	21.5	+2.3	17.9	27	0.3	0.0	- 12.9	0.0	..	0	- 0.5	9.2	7.3	+1.1	0	0	0	0	0	1	0	0	0	0
SAURASHTRA AND KUTCH(INCLUDING DIU																												
NALIYA	32.9	+1.1	36.6	08	16.7	+2.4	13.0	17	0.0	1.2	- 6.5	1.2	30	0	- 0.7	17.4	11.4	+2.0	0	1	0	0	1	4	1	0	0	0
BHUJ(RUDRAMATA)	33.4	+1.1	36.7	01	18.4	+2.8	14.3	27	5.6	37.2	+ 36.2	32.0	11	2	+ 1.8	10.7	7.6	+0.6	0	2	0	0	1	0	0	0	0	0
KANDLA AERODROME	34.4	..	37.2	01	20.5	..	14.8	27	0.0	2.0	..	2.0	30	0	..	17.4	17.5	..	0	1	0	0	1	0	0	0	0	0
NEW KANDLA	32.6	+2.3	36.1	01	21.5	+1.4	18.0	26	0.0	2.0	- 13.8	2.0	30	0	- 0.4	11.7	12.7	+1.6	0	1	0	0	0	0	0	0	0	0
MANDVI	31.7	+1.2	35.9	07	20.0	+0.8	16.7	17	..	1.2	- 0.6	1.2	30	0	- 0.5	.	16.2	+2.4	0	1	0	0	0	0	0	0	0	0
SURENDRANAGAR	35.3	+2.5	38.5	01	21.2	+3.3	17.1	27	0.0	12.0	+ 10.9	12.0	30	1	+ 0.9	7.2	6.2	-0.5	0	1	0	0	0	0	0	0	0	0
OKHA	29.0	..	32.5	09	23.3	..	20.0	30	0.0	1.3	..	1.3	30	0	..	15.6	17.6	..	0	1	0	0	0	0	0	0	0	0
JAMNAGAR AERODROME	33.3	+1.0	36.4	08	18.7	+2.6	14.8	27	0.0	3.6	+ 1.3	3.6	30	1	+ 0.8	..	..	..	0	1	0	0	0	0	0	0	0	0
DWARKA	30.6	-0.2	35.6	08	22.2	+1.7	19.0	27	0.0	2.5	+ 0.5	2.5	30	1	+ 0.9	15.3	11.2	-1.2	0	1	0	0	0	0	0	0	0	0
RAJKOT	34.4	+1.2	36.9	01	19.7	+3.2	16.8	23	0.6	11.2	+ 8.4	11.2	30	1	+ 0.7	14.1	12.1	+1.5	0	1	0	0	0	0	0	0	0	0
BHAVNAGAR AERODROME	33.4	+1.8	36.3	01	20.2	+2.2	15.4	27	7.7	2.1	+ 1.5	2.1	30	0	- 0.1	18.4	12.8	+6.0	0	1	0	0	0	0	0	0	0	0
PORBANDER AERODROME	34.6	+1.6	38.0	10	21.2	+1.2	15.7	20	0.0	13.6	+ 2.3	13.6	30	1	+ 0.7	15.8	11.7	..	0	1	0	0	0	0	0	0	0	0
KESHOD	35.1	+1.3	37.7	01	18.6	+1.2	15.8	26	2.9	9.8	+ 3.2	9.8	30	1	+ 0.4	14.7	11.8	-0.2	0	1	0	0	1	0	0	0	0	0
MAHUVA	34.4	..	36.8	01	17.1	..	14.4	29	0.0	0.0	- 2.1	0.0	..	0	- 0.3	6.2	4.9	..	0	0	0	0	0	0	0	0	0	0
VERAVAL	34.4	+1.5	38.1	01	20.3	+1.5	17.8	30	0.0	1.0	- 3.1	1.0	30	0	- 0.2	17.6	14.0	+3.7	0	1	0	0	0	0	0	0	0	0
DIU	31.9	..	36.0	01	22.2	..	19.6	19	0.0	0.0	..	0.0	..	0	..	14.0	10.3	..	0	0	0	0	0	0	0	0	0	0
KONKAN(INCLUDING GOA)																												
DAHANU	32.8	+0.9	35.5	06	22.4	+2.4	19.3	08	52.2	52.2	+ 21.5	52.2	11	1	+ 0.3	15.8	9.6	-0.3	0	1	0	0	0	0	0	0	0	0
BOMBAY(SANTACRUZ)	34.4	+1.3	36.0	01	22.6	+2.8	19.1	08	0.0	16.8	+ 10.6	13.4	10	2	+ 1.4	11.3	7.3	+0.2	0	2	0	0	0	0	0	0	0	0
BOMBAY	32.8	+0.5	35.9	06	24.5	+1.7	22.0	20	0.0	0.7	- 16.8	0.6	30	0	- 0.8	9.9	8.3	+0.1	1	1	0	0	1	0	0	0	0	0
ALIBAG	33.1	+1.8	35.9	06	22.7	+1.8	20.0	21	..	4.0	- 30.3	4.0	11	1	- 0.5	.	8.5	+2.4	0	1	0	0	0	0	0	0	0	0
RATNAGIRI	35.9	..	38.5	03	18.5	..	15.1	01	23.6	26.0	..	12.4	15	3	..	3.6	2.3	..	0	4	0	0	2	0	0	0	0	0
HARNAI	32.7	+2.1	37.6	16	27.0	+2.9	25.1	08	0.0	34.8	+ 9.6	28.2	29	2	+ 0.5	11.8	10.4	-0.2	0	2	0	0	0	0	0	0	0	0
RATNAGIRI	32.5	+0.1	34.7	06	23.3	+1.9	20.6	07	26.0	55.7	+ 20.4	32.0	10	3	+ 1.4	11.6	8.6	..	0	3	0	0	5	0	0	0	0	0
DEVGARH	32.0	+0.1	34.8	06	24.0	+1.6	21.7	07	34.6	39.6	+ 9.8	34.6	27	2	+ 0.1	13.3	10.0	-0.6	0	2	0	0	1	0	0	0	0	0
VENGURLA	32.9	+0.2	35.3	06	22.5	+1.9	18.4	07	4.7	27.5	+ 7.1	11.6	29	3	+ 1.4	9.2	5.2	..	1	4	0	0	8	0	0	0	0	0
PANJIM	32.5	..	33.9	26	23.4	..	20.2	01	20.2	43.5	..	23.2	09	3	..	..	..	..	1	3	0	0	5	1	0	0	0	0
MORMUGAO	31.6	+0.6	33.9	22	24.3	+1.5	21.8	07	0.8	75.1	+ 39.3	71.8	09	1	- 1.1	10.4	8.0	-1.5	3	5	0	0	7	0	0	0	0	0
DABOLIM(NAVAL AIR STN.)	32.2	..	34.5	24	..	..	..	..	0.9	35.5	..	32.5	09	1	..	8.8	5.6	..	0	3	0	0	7	2	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - NOVEMBER, 1969 KARTIKA 19 - AGRAHAYANA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No. of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation: 0.1 to 2.5 mm.	2.5 mm. or more	Dust or dust	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
MADHYA MAHARASHTRA																												
NANDURBAR	33.9	+1.1	37.0	01	20.1	+1.7	15.7	21	..	10.2	+ 0.6	9.2	10	1	+ 0.2	12.1	8.2	+3.4	0	2	0	0	0	0	0	0	0	0
JALGAON	33.0	+1.0	36.4	03	17.3	+2.8	13.7	22	21.4	37.4	+ 18.6	24.0	11	2	+ 1.1	11.1	8.7	+1.6	0	2	0	0	0	0	0	0	0	0
MALEGAON	32.0	+1.0	35.0	02	15.9	+1.6	11.6	21	..	0.0	- 27.9	0.0	..	0	- 1.3	.	5.4	+0.7	0	0	0	0	0	0	0	0	0	0
OZAR	31.1	..	33.6	02	16.2	..	11.4	21	0.0	55.2	..	27.9	12	3	..	10.8	6.3	..	0	5	0	0	2	0	0	0	0	0
AHMADNAGAR	31.9	+2.2	34.7	02	18.0	+2.9	12.0	20	1.0	42.2	+ 6.1	17.2	28	4	+ 2.3	9.1	5.4	-0.6	0	4	0	0	0	0	0	0	0	0
KHANDALA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
POONA AERODROME	31.4	..	33.9	02	18.3	..	15.0	06	1.0	21.3	..	13.2	13	2	..	..	..	..	0	4	0	0	5	0	0	0	0	0
POONA	31.2	+1.3	33.8	02	16.7	+3.2	11.6	07	0.0	13.2	- 17.3	8.5	13	2	+ 0.2	4.0	1.7	..	0	3	0	0	5	0	0	0	0	0
JEUR	30.4	-0.5	34.4	03	17.8	+2.6	11.7	20	25.2	25.2	+ 2.4	25.2	10	1	- 0.1	8.8	5.8	[illegible]	0	1	0	0	0	0	0	0	0	0
BARAMATI	32.2	+2.3	36.6	10	18.6	+2.6	12.7	20	16.6	36.6	- 1.5	13.2	27	3	+ 0.7	7.8	5.5	-1.2	0	4	0	0	0	0	0	0	0	0
SHOLAPUR	31.0	0.0	33.6	03	19.5	+2.3	14.6	20	5.4	13.6	- 17.9	11.9	09	1	- 0.7	8.6	5.6	-2.5	0	2	0	0	1	0	0	0	0	0
MIRAJ	30.9	+0.8	33.4	13	18.4	+1.3	12.3	07	20.6	20.6	- 20.5	14.8	15	2	- 0.4	..	..	..	0	2	0	0	0	0	0	0	0	0
KOLHAPUR	30.8	+0.5	32.8	13	18.9	+2.2	14.7	07	6.0	16.2	- 16.1	9.4	28	2	0.0	10.6	6.8	-1.4	0	2	0	0	3	1	0	0	0	0
NASIK	30.0	..	31.8	07	..	..	..	..	..	20.4	..	9.0	12	3	..	..	..	..	0	4	0	0	0	0	0	0	0	0
SANGLI	31.4	..	33.2	14	18.6	..	14.2	07	2.6	2.6	..	2.6	15	1	..	8.7	5.8	..	0	1	0	0	0	0	0	0	0	0
SATARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
MARATHWADA																												
AURANGABAD	31.1	+0.8	34.2	02	18.4	+2.3	13.8	21	9.0	42.6	+ 11.6	37.2	10	2	+ 0.4	8.2	6.9	-0.6	0	3	0	0	0	0	0	0	0	0
AURANGABAD (CHIKALTHANA)	30.5	+0.6	34.0	03	15.2	+2.5	8.9	21	13.7	39.7	+ 25.6	32.5	10	2	+ 1.0	12.1	7.7	+1.9	0	4	0	0	0	0	0	0	0	0
PARBHANI	31.0	+0.5	34.0	02	18.2	+3.8	13.6	21	15.8	40.9	+ 6.9	25.1	09	2	+ 0.3	9.5	6.1	+0.6	0	2	0	0	0	0	0	0	0	0
NANDER	31.8	..	36.0	11	18.1	..	11.6	20	11.6	31.2	..	25.2	09	2	..	8.1	5.4	..	0	2	0	0	0	0	0	0	0	0
BIR	30.9	..	33.8	02	17.4	..	11.5	20	..	27.1	..	14.6	10	2	..	.	3.3	..	0	3	0	0	0	0	0	0	0	0
VIDARBHA																												
GONDIA	31.4	+2.1	33.8	01	17.6	+2.4	14.1	19	0.0	0.7	- 17.3	0.5	08	0	- 0.9	1.9	1.7	-0.5	1	1	0	0	0	0	0	0	0	0
NAGPUR (SONEGAON)	31.3	+1.4	34.3	01	17.1	+3.0	13.6	29	0.8	0.8	- 19.0	0.8	10	0	- 1.1	11.8	8.8	+1.3	0	1	0	0	0	0	0	0	0	0
AMRAOTI	31.5	+1.4	35.5	01	19.5	+2.1	15.2	22	2.4	52.6	+ 31.3	41.2	09	2	+ 0.8	11.6	9.8	+2.2	0	3	0	0	0	0	0	0	0	0
AKOLA AERODROME	32.7	..	36.1	01	15.9	..	11.6	22	0.3	9.9	..	6.0	11	2	..	13.3	10.1	..	0	4	0	0	0	0	0	0	0	0
AKOLA	32.6	+1.6	36.1	01	17.8	+2.8	12.3	22	0.0	21.1	- 2.3	14.8	11	2	+ 0.8	7.1	4.8	+0.3	0	3	0	0	0	0	0	0	0	0
BRAMHAPURI	31.7	+1.5	34.0	01	17.4	+0.7	13.0	20	0.0	0.0	- 11.8	0.0	..	0	- 0.4	8.5	4.6	+1.4	0	0	0	0	0	0	0	0	0	0
BULDANA	29.4	+1.1	32.8	01	18.9	+1.9	15.3	22	1.5	59.1	+ 37.1	31.1	11	3	+ 1.7	9.1	6.7	+0.9	0	4	0	0	0	0	0	0	0	0
YEOTMAL	30.7	+1.6	34.0	02	18.3	+2.0	14.8	21	0.0	36.0	+ 34.1	36.0	09	1	+ 0.7	10.9	8.0	+1.0	0	1	0	0	0	0	0	0	0	0
CHANDRAPUR	31.7	+2.2	34.4	16	18.5	+3.4	11.5	20	0.4	1.9	- 13.8	1.4	09	0	- 1.1	8.0	4.7	+1.8	0	2	0	0	0	0	0	0	0	0
PUSAD	31.4	..	34.6	03	..	..	..	..	15.6	510.0	..	510.0	09	1	..	8.8	4.9	..	0	1	0	0	0	0	0	0	0	0
SIRONCHA	31.1	+0.9	34.2	02	20.4	+3.5	15.7	19	0.8	35.3	+ 30.4	19.0	09	2	+ 1.3	5.4	3.9	+0.7	0	2	0	0	0	0	0	0	0	0
WARDHA	31.9	..	35.2	01	16.7	..	11.6	13	9.4	21.0	..	11.6	09	2	..	8.4	5.9	..	0	2	0	0	0	0	0	0	0	0
BHANDARA	31.5	..	34.1	02	18.1	..	14.4	20	0.0	0.2	..	0.2	08	0	..	7.2	5.8	..	1	0	0	0	0	0	0	0	0	0
COASTAL ANDHRA PRADESH																												
KALINGAPATAM	29.4	+0.9	33.1	02	20.6	+0.2	17.3	20	103.6	237.7	+153.6	146.6	08	4	+ 1.2	11.9	8.6	-2.6	0	8	0	0	0	0	0	0	0	0
VISHAKHAPATNAM	30.1	+0.8	32.7	01	22.9	+1.7	20.5	24	49.0	239.5	+146.7	96.2	07	9	+ 5.1	13.7	9.5	+1.4	2	12	0	0	1	0	0	0	1	0
KAKINADA	29.7	+1.0	33.9	03	22.9	+1.3	21.1	22	70.3	188.5	+ 47.5	98.8	08	8	+ 3.4	15.6	14.5	+2.5	3	10	0	0	0	0	0	0	0	0
NIDADAVOLE	30.2	-0.1	34.0	03	22.3	+1.7	19.8	22	98.4	129.0	+ 90.1	79.2	08	5	+ 3.1	14.6	9.7	+2.6	0	6	0	0	0	0	0	0	0	0
RENTACHINTALA	29.9	-0.9	33.6	15	21.6	+2.0	18.6	21	3.0	46.2	- 0.5	35.0	08	3	- 0.1	3.4	3.3	-0.7	0	3	0	0	0	0	0	0	0	0
GANNAVARAM	30.2	-0.5	33.3	15	22.5	+1.4	18.0	08	54.8	123.1	+ 89.4	93.2	08	4	+ 1.6	14.2	11.4	+1.2	0	7	0	0	1	0	0	0	0	0
MASULIPATAM	29.2	+0.2	32.2	02	21.8	-0.3	18.6	21	46.6	187.1	+ 48.9	112.8	08	5	+ 0.4	5.8	4.4	-4.4	0	9	0	0	0	0	0	0	0	0
ONGULE	30.1	+0.3	34.3	02	22.9	+1.1	18.3	21	96.4	236.6	+ 88.3	94.6	21	9	+ 3.9	6.7	5.5	+0.6	0	9	0	0	0	0	0	0	0	0
NELLORE	31.0	+1.4	34.5	09	22.9	+0.6	17.1	01	54.9	290.8	- 26.7	226.0	21	5	- 4.0	..	..	..	0	7	0	0	1	0	0	0	0	0
VISHAKHAPATNAM (SOLAR)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	.
TELANGANA																												
RANGUNDAM	31.3	+0.6	34.6	16	19.4	+1.9	15.6	20	11.2	30.4	+ 19.7	11.0	09	3	+ 2.2	8.2	5.0	+0.7	0	8	0	0	0	0	0	0	0	0
NIZAMABAD	30.3	+0.6	34.0	02	19.4	+3.2	14.5	20	18.1	45.0	+ 29.5	39.4	09	3	+ 1.8	6.8	5.5	+1.6	0	8	0	0	0	0	0	0	0	0
HANAMKONDA	28.5	-1.4	31.7	16	19.3	+0.9	16.0	22	31.4	164.4	+137.0	75.4	09	6	+ 4.2	6.7	6.5	+1.2	0	8	0	0	0	0	0	0	0	0
HAKIMPET AERODROME	27.9	..	31.8	02	19.0	..	16.0	06	27.8	73.2	..	26.1	09	4	..	..	..	..	0	6	0	0	0	4	0	0	0	0
BHADRACHALLAM	30.2	-0.3	33.5	13	21.9	+3.7	18.4	19	19.6	79.0	+ 70.4	53.0	08	5	+ 4.4	.	4.0	-0.5	0	8	0	0	2	1	0	0	0	0
HYDERABAD (BEGAMPET)	28.9	+0.2	32.5	02	18.1	+2.1	14.6	19	7.1	36.6	+ 6.9	13.3	08	4	+ 2.1	12.2	8.8	+0.8	1	6	0	0	0	0	0	0	0	0
KHAMMAM	30.0	-0.6	33.4	02	21.3	+2.2	18.3	22	14.5	80.0	+ 46.7	68.0	08	2	+ 0.1	4.2	4.1	+0.1	0	5	0	0	0	1	0	0	0	0
MAHBUBNAGAR	28.0	-1.2	32.8	02	19.9	+1.8	17.5	01	3.8	37.4	+ 24.6	20.0	09	3	+ 2.3	11.7	9.0	-0.8	0	3	0	0	0	0	0	0	0	0
RAYALASEEMA																												
KURNOOL	31.3	+0.3	34.2	14	20.5	+1.3	15.8	02	2.9	14.7	- 15.5	11.1	09	2	0.0	6.9	4.7	-0.4	2	3	0	0	0	0	0	0	0	0
NANDYL	30.8	..	33.7	14	..	..	..	..	1.4	41.0	..	33.6	08	2	..	7.9	5.8	..	0	6	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - NOVEMBER, 1969 KARTIKA 10 - AGRAHAYANA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation: 0.1 & 0.3 mm.	0.3 mm. or more	Dew or dust	Mist	Thunder heard	Fog	Duststorm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	21	22	23	24	25	26	27	28
RAYALSEEMA (CONTD)																												
ANANTAPUR	30.2	+0.2	35.2	15	21.5	+2.1	18.2	02	0.0	1.5	- 56.7	1.0	21	0	- 3.5	10.1	8.9	+0.4	0	2	0	0	0	0	0	0	0	0
CUDDAPAH	31.3	+0.9	34.2	15	22.9	+1.6	19.1	02	22.8	67.2	- 28.1	54.4	21	3	- 2.0	..	..	..	0	4	0	0	0	0	0	0	0	0
AROGYAVARAM	27.0	+0.5	29.4	13	17.7	+0.1	15.0	04	37.5	102.1	+ 29.6	56.5	21	6	+ 0.5	8.8	5.8	+0.7	0	10	0	0	0	0	0	0	0	0
TAMIL NADU (INCLUDING PONDICHERRY)																												
MADRAS	29.9	+0.7	33.5	09	22.9	+0.2	20.8	21	104.7	297.7	+ 23.2	130.2	20	9	+ 1.0	9.4	6.0	-0.8	0	10	0	0	0	0	0	0	0	0
MADRAS (MINAMBAKKAM)	30.4	+1.2	34.2	09	23.4	+0.9	21.7	01	135.5	388.7	+ 38.4	162.1	20	10	- 0.8	10.3	6.1	-5.6	1	11	0	0	3	1	0	0	1	0
VELLORE	30.5	+1.2	34.0	09	21.7	+1.0	17.7	01	65.6	268.4	+ 84.8	118.7	20	8	- 0.2	5.4	5.9	+0.5	0	11	0	0	1	0	0	0	0	0
TAMBARAM AERODROME	31.6	..	35.0	09	23.6	..	21.5	01	75.2	342.8	..	189.2	20	7	..	..	..	..	0	10	0	0	5	0	0	0	0	0
TIRUPPATTUR	30.1	+1.2	31.3	04	19.7	+0.3	16.1	03	20.8	217.2	+112.7	88.7	24	10	+ 4.8	4.2	3.2	-0.3	0	10	0	0	0	0	0	0	0	0
METTUR DAM R.S.	31.5	..	34.0	10	22.2	..	20.0	01	11.1	150.8	..	69.6	22	7	..	6.3	4.7	..	1	9	0	0	1	0	0	0	0	0
CUDDALORE	30.2	+1.2	34.6	08	23.5	+0.7	21.7	02	179.2	594.2	+210.1	229.7	19	7	- 4.5	9.3	7.0	-2.0	1	11	0	0	3	0	0	0	0	0
KALLAKKURICHCHI	30.6	+0.7	34.8	09	..	..	..	..	91.6	320.6	+168.2	105.0	19	8	+ 0.9	12.4	9.5	..	0	8	0	0	0	0	0	0	0	0
SALEM	31.3	+0.8	34.3	10	22.0	+0.8	18.9	01	14.8	88.0	- 7.3	33.6	22	6	- 0.2	5.9	6.3	-0.2	0	8	0	0	3	0	0	0	0	0
COIMBATURE (PILAMEDU)	29.9	+0.9	32.0	07	20.6	-0.1	17.2	09	5.1	49.8	- 64.1	15.0	15	6	- 0.8	14.0	10.3	+0.8	0	10	0	0	5	5	0	0	0	0
COIMBATORE	30.5	+1.2	32.9	07	21.1	0.0	18.5	08	..	79.1	- 33.9	50.1	15	4	- 2.9	.	4.2	-1.2	0	5	0	0	7	0	0	0	0	0
NAGAPATTINAM	29.8	+0.9	34.6	08	24.1	+0.2	22.8	19	187.8	503.1	+ 52.8	154.6	19	12	- 0.8	12.4	10.9	-2.4	0	14	0	0	2	0	0	0	0	0
TIRUCHCHIRAPPALLI	31.0	+1.1	34.6	08	22.9	+0.2	20.8	02	92.1	141.0	- 15.0	58.0	19	7	- 1.5	8.4	5.4	-3.1	0	10	0	0	3	0	0	0	2	0
VEDARANNIYAM	31.1	..	33.6	03	21.9	..	20.5	03	165.2	472.6	..	213.2	19	10	..	9.3	3.9	..	0	11	0	0	8	0	0	0	0	0
ATTIKAMPATTINAM	30.8	..	35.0	08	23.5	..	21.6	15	96.4	221.4	..	77.6	19	8	..	9.8	7.0	..	0	12	0	0	0	0	0	0	0	0
MADURAI	31.4	+0.8	35.2	10	20.5	-2.5	18.3	28	..	58.0	- 92.4	22.2	22	7	- 1.0	.	5.4	+0.2	0	7	0	0	2	0	0	0	0	0
MADURAI AERODROME	31.0	+1.2	35.5	09	22.2	-0.3	20.3	02	87.7	128.6	- 36.2	38.9	24	7	- 0.3	10.6	7.3	-2.7	0	11	0	0	2	0	0	0	0	0
TONDI	30.4	+0.7	33.5	08	22.4	-0.9	20.5	19	32.3	119.5	-100.0	44.2	18	8	- 3.4	12.7	10.6	-1.0	0	8	0	0	1	0	0	0	0	0
PAMBAN	30.0	+0.7	32.4	08	23.7	-1.0	21.9	02	128.4	428.0	+127.0	196.0	18	13	+ 0.2	15.1	13.1	-1.8	0	13	0	0	0	0	0	0	0	0
TUTICORIN	30.6	+1.5	34.9	09	22.3	-1.5	20.5	18	145.8	182.1	- 11.8	67.8	24	10	+ 0.7	15.0	12.1	-1.7	0	13	0	0	0	0	0	0	0	0
PALAYANKOTTAI	31.7	+1.0	35.3	10	23.7	+0.1	21.8	02	26.0	56.2	-126.9	8.8	18	8	- 1.5	8.3	5.6	-1.3	0	13	0	0	0	0	0	0	0	0
KANNIYAKUMARI	30.2	..	32.5	06	23.7	..	21.3	18	28.4	85.2	..	24.8	16	8	..	14.7	11.8	..	1	12	0	0	2	0	0	0	0	0
PONDICHERRY	29.7	..	33.4	08	23.5	..	21.1	23	139.8	572.2	..	208.8	19	6	..	18.0	14.1	..	0	6	0	0	1	0	0	0	0	0
PORTNOVU	29.4	..	33.4	08	21.1	..	19.6	02	..	752.8	..	241.0	20	9	..	.	4.6	..	1	13	0	0	4	0	0	0	0	0
TUTICORIN H.P.	29.8	..	34.1	09	23.7	..	21.2	02	53.5	147.4	..	60.0	30	7	..	17.1	14.5	..	1	11	0	0	6	0	0	0	0	0
COASTAL MYSORE																												
KARWAR	32.2	+0.6	35.0	17	22.7	+1.8	18.9	01	0.0	35.2	- 18.5	16.6	29	3	+ 0.2	5.7	3.3	..	0	3	0	0	0	0	0	0	0	0
HONAVAR	32.5	0.0	35.1	17	23.1	+1.2	19.5	07	11.2	66.5	+ 10.4	20.2	14	5	+ 1.9	..	..	..	1	6	0	0	8	0	0	0	0	0
MANGALORE (BAJPE)	31.6	-0.2	33.3	07	22.4	+0.1	19.5	02	35.1	97.2	+ 29.4	25.9	13	7	+ 2.7	7.2	4.3	-1.9	0	9	0	0	11	0	0	0	0	0
MANGALORE	31.3	+0.2	34.0	02	21.4	-1.8	19.2	02	8.8	101.1	+ 21.3	49.8	13	6	+ 1.2	7.2	5.6	-1.6	0	6	0	0	4	0	0	0	0	0
MANGALORE H.P.	31.8	..	34.0	02	23.3	..	20.9	03	9.2	64.0	..	24.8	13	6	..	9.9	6.4	..	1	10	0	0	11	0	0	0	0	0
INTERIOR MYSORE NORTH																												
BIDAR	27.2	-0.7	30.8	03	19.2	+1.2	17.0	20	19.4	56.2	+ 29.5	32.4	09	3	+ 1.4	13.4	10.3	+1.0	1	3	0	0	0	0	0	0	0	0
GULBARGA	30.2	-0.2	33.2	02	19.5	+2.0	15.6	20	6.0	52.6	+ 20.1	46.6	09	2	+ 0.2	9.8	7.9	-3.4	0	3	0	0	0	0	0	0	0	0
BIJAPUR	30.2	+0.5	33.6	15	19.6	+2.2	16.7	20	2.4	8.0	- 22.7	2.4	27	0	- 1.9	7.2	4.8	+0.8	0	5	0	0	0	0	0	0	0	0
RAICHUR	30.5	+0.4	33.1	03	21.1	+1.1	18.5	06	4.2	16.0	- 14.7	10.0	09	1	- 0.9	12.1	10.2	+0.6	0	5	0	0	0	0	0	0	0	0
BELGAUM	30.3	+1.0	32.3	03	18.5	+1.4	13.9	07	50.6	52.6	+ 12.0	45.2	28	2	- 0.8	8.3	4.2	-2.6	0	3	0	0	0	0	0	0	0	0
BELGAUM (SAMRAI)	28.8	+0.6	30.4	03	18.4	+1.5	13.2	07	6.6	23.1	- 15.6	15.9	28	3	+ 1.0	9.9	5.6	-5.2	0	4	0	0	3	0	0	0	0	0
GADAG	30.1	+0.3	32.5	14	19.8	+1.4	18.9	07	0.0	28.5	- 15.7	14.9	09	2	- 0.9	8.3	6.2	-0.8	2	2	0	0	1	0	0	0	0	0
BIDAR A.F.	28.5	..	31.8	03	17.4	..	14.5	06	23.4	57.5	..	33.7	09	3	..	..	..	..	0	3	0	0	0	2	0	0	0	0
INTERIOR MYSORE, SOUTH																												
BELLARY	30.6	+0.7	36.6	16	21.0	+1.4	18.4	02	14.5	25.5	- 24.5	14.5	28	2	- 1.1	7.1	4.6	+0.2	0	2	0	0	1	0	0	0	0	0
CHITRADURGA	28.3	-0.1	30.8	11	19.5	+1.1	16.8	01	0.5	22.2	- 37.0	19.6	28	1	- 2.5	7.7	5.5	-0.7	0	4	0	0	0	0	0	0	0	0
SHIMOGA	29.2	+0.1	32.1	13	18.7	+1.4	14.7	02	12.6	189.8	+140.2	125.6	23	4	+ 0.7	7.1	3.5	-0.7	0	8	0	0	0	2	0	0	0	0
AGUMBE	27.3	..	29.2	03	18.2	..	12.2	02	84.6	142.2	..	81.2	23	5	..	7.2	4.7	..	0	9	0	0	4	1	0	0	0	0
BALEHONNUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
HASSAN	..	..	..	..	..	..	..	..	4.6	50.6	- 26.1	23.4	13	3	- 1.8	8.7	6.2	+0.7	0	3	0	0	0	1	0	0	0	0
BANGALORE	26.9	+0.6	29.4	13	17.6	+0.4	13.9	01	9.2	192.3	+131.1	114.0	24	6	+ 1.6	8.7	7.3	-1.2	1	10	0	0	2	0	0	0	1	0
BANGALORE AERODRUME	26.9	-0.6	29.4	13	17.0	-0.4	14.3	17	6.8	110.3	+ 55.2	46.8	24	3	- 0.8	11.7	8.6	..	1	9	0	0	4	0	0	0	1	0
MYSORE	27.4	0.0	29.5	10	18.7	+0.4	15.1	03	18.8	66.1	- 5.5	33.0	23	3	- 1.6	11.1	8.6	-0.7	0	6	0	0	0	0	0	0	0	0
YALAMKA A.F.	26.8	..	30.0	13	17.3	..	14.5	05	16.8	133.6	..	68.0	25	5	..	..	..	..	0	8	0	0	1	2	0	0	0	0
KERALA																												
CALICUT	32.2	+1.1	33.7	18	23.6	+0.2	20.7	03	4.0	79.8	- 76.9	38.0	23	4	- 2.8	7.1	5.6	-2.5	1	6	0	0	6	0	0	0	0	0
PALGHAT	32.4	+0.6	34.2	13	23.0	0.0	20.2	02	2.6	33.6	- 74.9	16.0	22	3	- 3.3	7.8	5.0	-2.6	0	3	0	0	0	0	0	0	0	0
FORT COCHIN	31.1	+1.3	31.9	03	23.3	-0.8	21.3	09	5.0	124.2	- 62.7	35.2	26	5	- 3.8	6.7	4.9	-1.8	0	9	0	0	10	0	0	0	0	0
COCHIN (NAVAL AIR STATION)	31.2	..	32.9	29	23.5	..	21.2	09	7.5	108.2	..	56.5	21	7	..	9.8	7.5	..	0	8	0	0	13	1	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — NOVEMBER 1969 KARTIKA 10 - AGRAHAYANA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Maximum fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation: 0.1 to 2.5 mm.	2.5 mm. or more	Haze or dust	Fog	Thunder heard	Fog	Dust storm	Gale	Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KERALA (CONTD)																											
ALLEPPEY	31.8	+1.5	33.2	25	24.1	+0.4	22.5	09	10.4	34.0	-194.7	15.6	22	5	- 6.0	11.6	8.9	-0.2	0	7	0	0	4	0	0	0	0
PUNALUR	32.8	+1.3	35.4	12	19.8	-2.2	16.4	27	63.6	95.0	-196.3	41.4	15	6	- 4.0	2.8	2.0	-1.3	0	8	0	0	0	0	0	0	0
TRIVANDRUM	30.3	+0.2	31.6	09	22.9	-0.2	20.6	27	34.5	203.3	- 2.2	107.5	21	7	- 3.3	7.8	5.8	+0.3	3	10	0	0	11	0	0	0	0
TRIVANDRUM AERODRUME	30.5	+0.4	31.6	09	23.2	0.0	21.2	27	..	112.0	- 28.6	29.8	23	8	- 0.6	..	6.4	+1.1	1	10	0	0	6	0	0	0	0
ARABIAN SEA ISLANDS																											
AMINI	31.1	-0.1	32.1	08	24.2	-0.5	21.3	10	42.1	73.5	- 12.1	29.1	23	6	+ 1.0	8.4	5.3	-0.3	0	9	0	0	4	0	0	0	0
AGATTI	29.5	..	30.8	05	24.4	..	22.2	10	20.5	50.1	..	15.8	16	5	..	..	..	..	0	6	0	0	9	0	0	0	0
ANDROTH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
MINICOY	30.9	+1.7	32.3	01	22.7	-0.9	20.9	12	77.4	281.1	+137.8	92.9	20	9	+ 0.9	7.1	4.4	-2.6	1	12	0	0	3	0	0	0	0
HILL STATIONS (EXCLUDING KASHMIR)																											
DALHOUSIE	21.3	+2.8	22.6	02	8.5	+0.7	3.6	29	0.0	0.0	- 18.5	0.0	..	0	- 0.8	1.2	0.8	-1.8	0	0	0	0	0	0	0	0	0
DHARMASALA	22.0	+1.3	25.8	01	10.8	-0.6	6.8	27	0.0	0.0	- 15.0	0.0	..	0	- 0.8	4.2	2.7	-1.0	0	0	0	0	0	0	0	0	0
BHUNTAR	23.6	..	27.6	01	4.6	..	0.1	24	0.0	0.0	..	0.0	..	0	..	7.7	4.7	..	0	0	0	0	1	0	0	0	0
SIMLA	15.8	+0.8	19.6	04	7.2	-0.1	3.5	27	0.0	0.0	- 10.2	0.0	..	0	- 0.9	3.7	2.6	-0.5	0	0	0	0	0	0	0	0	0
DHARMPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GHANGARIA (KANJALIA TUK)	13.3	+2.3	14.6	06	1.3	-6.4	0.8	08	..	0.0	- 28.1	0.0	..	0	- 2.1	..	..	..	0	0	0	0	0	0	0	0	0
BADRINATH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
JOSHINATH	18.1	+1.6	21.4	07	6.8	+0.8	2.4	27	0.0	0.0	- 27.4	0.0	..	0	- 2.0	3.0	4.1	-2.0	0	0	0	0	0	0	0	0	0
MUSSOORIE	16.3	+0.5	21.1	07	8.3	+0.9	4.7	28	0.0	8.0	- 9.3	0.0	..	0	- 0.7	9.1	5.2	-1.1	0	0	0	0	0	5	0	0	0
MUKTESHAR (KUMAUN)	17.0	+1.2	20.8	09	6.5	-0.1	2.6	27	1.2	2.4	- 6.5	2.4	05	0	- 0.6	7.2	8.4	-1.9	0	1	0	0	1	0	0	0	0
NAINITAL	15.9	+0.2	18.4	01	6.1	+0.5	2.3	28	0.0	0.0	- 7.4	0.0	..	0	- 0.5	8.6	6.5	-0.6	0	0	0	0	0	0	0	0	0
KALIMPONG	21.4	+1.4	24.8	11	10.2	-1.4	7.4	01	0.0	1.0	- 14.5	1.0	11	0	- 1.1	6.5	5.4	-3.3	0	1	0	0	0	0	0	0	0
DARJEELING	18.0	+2.7	22.5	01	5.9	-1.5	2.2	27	1.0	2.0	- 17.6	1.0	11	0	- 1.2	2.0	1.5	+0.2	0	2	0	0	0	2	0	0	0
KOHIMA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SHILLONG (C.S.O.)	17.8	-1.9	23.4	06	10.5	+4.7	5.3	27	2.3	8.8	- 29.5	6.4	12	1	- 1.7	3.6	3.2	+1.2	0	4	0	0	0	3	0	0	0
CHERRAPUNJI	20.1	+0.4	25.1	08	12.0	+0.1	8.0	26	0.0	47.5	- 16.8	29.3	12	2	+ 0.2	..	5.1	-0.2	0	4	0	0	0	0	0	0	0
ABU	..	..	..	..	16.4	+2.9	9.4	28	1.0	9.0	+ 4.7	8.4	30	1	+ 0.6	2.9	2.3	-1.3	0	2	0	0	1	0	0	0	0
AIJAL	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
PACHMARHI	24.7	+0.6	27.0	01	12.8	+3.2	8.4	25	0.0	1.6	- 26.6	1.6	11	0	- 1.5	5.6	3.6	+0.8	0	1	0	0	0	0	0	0	0
MAHABALESHWAR	25.2	+1.2	27.4	16	15.9	+1.0	14.0	05	36.2	77.8	+ 31.3	27.8	15	5	+ 2.4	9.7	9.5	-0.8	0	6	0	0	3	5	0	0	0
MERCARA	24.2	+0.6	26.2	12	..	..	..	..	50.4	103.6	+ 22.3	50.0	23	6	+ 0.5	10.4	9.4	-0.6	0	7	0	0	3	0	0	0	0
OOTACAMUND	19.7	+0.8	22.1	13	9.0	+0.7	5.8	09	36.4	106.0	- 51.7	26.2	29	8	- 2.2	3.1	2.0	-1.0	1	10	0	0	0	0	0	0	0
COONOOR	20.4	+1.1	23.0	09	8.6	-3.1	3.8	08	..	308.4	+ 9.3	118.6	29	14	+ 2.3	..	..	..	0	15	0	0	0	0	0	0	0
KODAIKANAL	16.7	+0.6	19.6	08	9.3	-0.5	7.4	02	109.2	190.4	- 63.1	42.5	21	10	- 2.4	11.8	12.4	+0.3	1	15	0	0	3	9	0	0	0
MANALI	19.4	..	25.0	08	1.5	..	- 2.5	27	7.3	7.3	..	7.3	13	1	..	2.0	1.5	..	0	1	0	0	0	0	0	0	0
NEPAL																											
KATMANDU	24.0	+1.3	27.3	03	8.7	+1.3	4.1	29	0.0	2.3	- 3.8	2.3	11	0	- 0.5	2.0	1.1	-0.1	0	1	0	0	0	17	0	0	0
SIKKIM																											
LACHEN	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
HYDROMETEOROLOGICAL OBSERVATORIES																											
DAMODAR CATCHMENT																											
TILAIYA	27.9	..	30.5	03	16.0	..	9.2	30	5.2	5.6	..	5.0	11	1	..	6.1	3.4	..	0	2	0	0	0	0	0	0	0
HAZARIBAGH	27.1	..	29.2	01	13.8	..	8.4	30	0.0	0.0	..	0.0	..	0	..	6.1	3.6	..	0	0	0	0	0	0	0	0	0
KONAR	30.2	..	33.9	12	20.7	..	16.7	30	0.0	10.5	..	9.0	11	1	..	..	..	..	0	2	0	0	0	0	0	0	0
BOKARO	30.1	..	32.4	03	17.7	..	14.2	26	0.0	14.1	..	9.1	12	2	..	..	..	..	0	2	0	0	0	0	0	0	0
MAITHON	31.7	..	35.0	01	14.9	..	9.0	30	3.1	9.0	..	5.8	11	2	..	..	..	..	0	2	0	0	2	0	0	0	0
RANGARH	29.3	..	30.8	02	13.3	..	8.0	18	0.0	0.8	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0
PANCHET HILLS	29.7	..	32.2	01	17.7	..	12.6	26	3.1	19.0	..	10.0	12	2	..	2.9	1.5	..	0	3	0	0	0	0	0	0	0
DURGAPUR	30.3	..	32.6	13	18.7	..	12.6	28	0.0	0.0	..	0.0	..	0	..	10.9	9.3	..	0	0	0	0	0	0	0	0	0
MAHANADI CATCHMENT																											
GINABAHAR	29.3	..	31.8	02	14.1	..	7.3	19	..	1.6	..	1.6	12	0	..	..	..	..	0	1	0	0	0	0	0	0	0
HIRAKUD	30.2	..	32.7	01	19.4	..	14.7	20	0.2	4.2	..	4.0	13	1	..	5.2	3.6	..	1	1	0	0	0	0	0	0	0
BHINKUND	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SONEPUR	31.3	..	33.5	14	20.4	..	13.6	19	..	7.0	..	6.5	11	1	..	..	..	..	0	2	0	0	0	0	0	0	0
KHIJRAMAN	30.7	..	36.6	19	16.9	..	10.6	08	0.0	0.8	..	0.8	08	0	..	7.8	5.2	..	0	1	0	0	0	0	0	0	0
NARMADA CATCHMENT																											
BAGRA TAWA	30.5	..	34.2	01	14.2	..	9.4	26	1.4	4.8	..	3.2	10	1	..	5.7	3.9	..	0	2	0	0	0	0	0	0	0
PUNASA	32.5	..	35.6	01	17.4	..	14.4	04	18.3	63.9	..	58.4	10	2	..	9.5	5.8	..	0	2	0	0	0	0	0	0	0
THIKRI	33.4	..	37.3	04	16.7	..	12.2	27	..	26.6	..	26.2	10	1	..	..	..	..	0	2	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER — NOVEMBER, 1969 KARTIKA 10 - AGRAHAYANA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
SABARMATI CATCHMENT																												
DARUI	34.3	..	37.0	01	18.3	..	17.2	23	0.0	10.0	..	10.0	30	1	..	.	..	..	0	1	0	0	0	0	0 0	0	0	0
JHADOL	30.9	..	33.3	06	12.5	..	6.5	27	..	70.8	..	70.6	13	1	..	..	..	..	1	1	0	0	0	0	0 0	0	0	0
GANDAK CATCHMENT																												
JANOSUN	16.7	..	22.3	08	1.1	..	- 2.6	27	0.0	12.1	..	7.0	11	2	..	..	..	..	0	2	0	0	0	0	0 0	0	0	0
KHUDI BAZAR	23.5	..	26.4	07	11.7	..	8.9	28	0.0	2.8	..	2.0	11	0	..	..	..	..	0	2	0	0	0	0	0 0	0	0	0
TIMURE	20.0	..	23.3	08	6.6	..	3.4	25	0.0	9.0	..	9.0	11	1	..	..	..	..	0	1	0	0	0	0	0 0	0	0	0
POKHARA	23.7	..	26.8	08	12.9	..	8.3	29	0.0	8.5	..	7.5	05	1	..	4.9	3.6	..	0	2	0	0	1	0	0 0	0	0	0
GORKHA	22.8	..	25.1	03	11.4	..	7.9	28	0.0	0.4	..	0.4	11	0	..	..	..	..	0	1	0	0	0	0	0 0	0	0	0
NUWAKOT	25.1	..	29.0	12	14.0	..	9.5	28	0.0	2.1	..	2.1	10	0	..	..	..	..	0	1	0	0	0	0	0 0	0	0	0
GHAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																												
DAILEKH	22.3	..	23.7	05	12.7	..	10.0	15	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0 0	0	0	0
GHAGHARA CATCHMENT																												
SALLYANA	22.7	..	24.5	02	14.2	..	10.4	15	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0 0	0	0	0
BUTWAL	28.3	..	31.4	02	17.9	..	13.9	29	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0 0	0	0	0
BAGHMATI CATCHMENT																												
KATMANDU	SEE UNDER NEPAL				..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
KOSI CATCHMENT																												
WALUNGCHUNG GOLA	9.9	..	15.9	08	1.0	..	- 2.0	21	3.9	11.1	..	7.2	11	2	..	..	..	..	0	2	0	0	0	0	0 0	0	0	0
TAPLETHUK	23.3	..	28.5	11	11.2	..	7.4	29	0.0	2.0	..	2.0	12	0	..	..	..	..	0	1	0	0	0	0	0 0	0	0	0
BHOJPUR	18.3	..	21.9	08	11.3	..	8.4	28	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0 0	0	0	0
TAPLEJUNG	18.5	..	22.4	08	9.3	..	5.4	29	0.0	0.4	..	0.4	11	0	..	4.2	2.5	..	0	1	0	0	0	1	0 0	0	0	0
OKHALDHUNGA	19.3	..	23.3	08	9.3	..	5.9	28	0.0	0.2	..	0.2	11	0	..	1.4	1.5	..	1	0	0	0	0	3	0 0	0	0	0
CHAINPUR	22.9	..	26.0	04	13.3	..	10.8	29	0.0	0.7	..	0.7	16	0	..	..	..	..	0	1	0	0	0	0	0 0	0	0	0
BARAHAKSHETRA	27.1	..	30.6	06	16.2	..	12.5	27	0.5	1.2	..	0.7	11	0	..	4.9	3.4	..	0	2	0	0	0	0	0 0	0	0	0
TISTA CATCHMENT																												
GANGTUK	17.6	..	22.8	03	9.2	..	5.5	29	2.0	15.2	..	8.6	28	1	..	3.2	2.9	..	1	7	0	0	0	13	0 0	0	0	0
GEZING	21.3	..	25.2	04	10.5	..	6.7	29	0.0	1.7	..	0.8	28	0	..	..	..	..	2	2	0	0	0	0	0 0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - NOVEMBER, 1969 KARTIKA 10 - AGRAHAYANA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or M. in gms. of mercury standard barometric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
BAY ISLANDS																										
MAYA BANDAR	0830	28	1012.1	1009.0	-0.4	27.3	24.9	23.8	29.6	82	+ 5	4.5	+0.0	10.7	0	5	14	00	10	5	3	0	0	0	0	11
	1730	28	1009.6	1006.5	-0.5	27.0	24.4	23.2	28.6	81	- 1	4.8	+0.1	12.3	1	3	20	00	16	5	2	0	0	0	0	6
LONG ISLAND	0830	25	1012.1	1009.2	-0.3	28.2	24.9	23.3	28.7	75	- 6	5.2	+0.4	4.5	0	1	25	00	20	1	1	1	1	0	1	4
	1730	25	1009.8	1006.9	-0.2	26.5	24.0	22.8	27.8	80	- 6	4.9	+0.1	1.7	0	0	14	00	12	0	1	0	1	0	0	16
PORT BLAIR	0530	79	1010.1	1001.0	..	24.7	23.5	22.9	28.0	90	..	4.7	..	7.3	0	2	17	00	6	9	0	2	0	2	0	11
	0830	79	1011.9	1003.1	-0.1	28.4	25.2	23.7	29.5	77	+ 1	5.1	-0.2	10.9	0	4	23	02	13	6	2	2	0	1	1	3
	1130	79	1010.2	1001.4	..	28.7	25.3	23.8	29.6	76	..	5.2	..	13.5	0	4	26	01	14	10	2	0	1	1	1	0
	1430	79	1008.3	999.5	..	28.4	25.0	23.5	29.0	75	..	5.2	..	9.9	0	3	26	01	16	8	0	1	3	0	0	1
	1730	79	1009.6	1000.7	+0.2	26.1	23.9	22.8	27.8	82	- 3	4.8	-0.9	7.1	0	1	21	00	12	8	1	1	0	0	0	8
	2030	79	1011.4	1002.5	..	25.8	23.8	22.9	27.9	84	..	3.8	..	8.1	0	1	23	00	10	8	3	1	1	1	0	6
	2330	79	1010.8	1001.8	..	25.0	23.6	22.9	28.0	88	..	3.9	..	9.5	0	3	20	00	6	11	0	3	1	2	0	7
CAR NICOBAR	0830	10	1011.1	1009.9	-0.5	28.6	26.2	25.1	31.9	82	+ 3	5.8	+0.6	4.1	0	0	25	00	13	0	4	0	8	0	0	5
	1730	10	1009.0	1007.8	-0.3	26.4	25.1	24.5	30.8	89	+ 2	6.0	+0.6	1.9	0	0	17	01	8	0	4	0	4	0	0	12
NAN COWRY	0830	26	1011.8	1008.9	-0.1	27.6	25.4	24.5	30.8	84	+ 1	5.5	-0.1	3.3	0	0	23	01	3	4	6	2	3	3	1	7
	1730	26	1009.5	1006.6	+0.1	26.5	24.7	23.9	29.7	86	- 1	5.5	+0.4	2.2	0	0	10	01	0	1	2	1	0	2	3	20
KONDUL	0830	8	1012.4	1011.5	+0.6	26.9	25.5	24.8	31.4	89	+ 5	5.8	+0.5	2.4	0	0	10	01	7	2	0	0	0	0	0	20
	1730	8	1010.3	1009.4	+0.9	26.2	25.2	24.8	31.4	92	+ 3	5.6	-0.1	2.5	0	1	8	01	4	4	0	0	0	0	0	21
HUT BAY/LITTLE ANDAMAN	0830	5	1012.6	1011.8	..	28.4	25.6	24.3	30.4	79	..	6.3	..	8.6	0	1	27	03	16	0	4	1	3	1	0	2
	1730	5	1009.7	1008.9	..	26.5	24.6	23.8	29.4	85	..	6.0	..	6.7	0	2	23	02	10	3	2	2	6	0	0	5
NORTH ASSAM (INCLUDING NEFA)																										
PASIGHAT	0830	157	1016.5	998.4	-0.5	20.9	17.4	15.0	17.2	69	+ 3	4.3	+1.0	13.1	0	8	22	04	2	2	0	1	0	0	21	0
	1730	157	1013.1	994.9	-0.5	19.8	18.1	17.0	19.5	84	+ 1	3.7	+0.7	2.3	0	0	25	05	4	0	0	0	0	0	16	5
DIBRUGARH (MOHANBARI)	0230	111	1014.1	1001.1	..	16.4	15.7	15.2	17.5	94	..	4.1	..	0.7	0	0	4	00	4	0	0	0	0	0	0	26
	0530	111	1014.7	1001.6	..	15.2	14.9	14.5	16.9	95	..	4.6	..	0.5	0	0	3	01	1	1	0	0	0	0	0	27
	0830	111	1016.6	1003.7	+0.0	20.4	18.3	17.1	19.6	83	+ 6	4.6	+1.5	4.[illegible]	0	0	23	01	10	10	1	0	0	0	1	6
	1130	111	1014.3	1001.6	..	24.5	19.5	16.4	18.4	61	..	4.9	..	5.8	0	0	25	06	8	9	0	0	0	1	0	5
	1430	111	1011.8	999.2	..	25.3	19.9	16.4	18.8	59	..	4.8	..	4.1	0	0	26	05	7	6	1	1	1	4	1	4
	1730	111	1012.9	1000.0	+0.1	20.9	18.9	17.8	20.5	83	- 1	4.8	+2.1	0.0	0	0	0	00	0	0	0	0	0	0	0	30
	2030	111	1014.7	1001.7	..	17.8	16.9	16.3	18.7	91	..	3.9	..	1.1	0	0	4	00	1	1	0	0	1	0	1	26
	2330	111	1014.7	1001.6	..	16.8	16.2	15.7	17.9	93	..	4.4	..	1.2	0	0	7	03	4	0	0	0	0	0	0	23
DIGBOI	0830		(R)																							
	1730		(R)																							
NORTH LAKHIMPUR	0830	102	1016.2	1004.5	-0.3	21.2	18.9	17.4	19.9	79	+ 3	5.1	+2.4	3.7	0	0	27	10	3	0	2	0	0	0	0	3
	1130	102	1014.5	1002.9	..	24.9	20.1	17.4	19.9	64	..	5.3	..	4.3	0	0	30	06	0	0	2	2	0	0	0	0
	1430	102	1012.0	1000.4	..	25.7	20.4	17.2	19.6	61	..	5.7	..	4.6	0	0	29	04	5	0	4	6	0	0	0	1
	1730	102	1012.8	1001.0	+0.1	21.2	19.5	18.6	21.4	85	+ 0	5.8	+3.0	2.3	0	0	18	08	0	0	1	3	0	0	4	12
	2030	102	1014.3	1002.4	..	18.9	18.0	17.5	20.1	92	..	5.6	..	1.7	0	0	12	08	1	0	0	1	0	0	1	18
SIBSAGAR	0830	97	1016.5	1005.2	+0.2	19.6	18.3	17.3	20.1	88	+ 1	5.9	+0.5	0.6	0	0	4	01	2	0	0	1	0	0	0	25
	1730	97	1011.9	1000.8	-0.2	21.8	20.1	19.1	22.3	86	+ 2	6.3	+3.1	0.6	0	0	3	01	0	0	0	2	0	0	0	27
GOHPUR	0830	83	1016.5	1007.0	..	20.9	19.2	18.2	20.9	85	+ 7	4.7	..	0.8	0	0	10	00	0	8	0	0	0	1	0	20
	1730	83	1012.6	1003.1	..	21.0	19.8	18.9	21.9	88	+13	3.8	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30
MAJBAT	0830	120	1016.5	1002.6	+0.2	21.7	20.5	19.8	23.4	90	..	1.5	-0.9	0.3	0	0	4	00	1	0	3	0	0	0	0	26
	1730	120	1012.7	998.8	+0.5	23.3	22.2	21.6	26.0	90	..	1.6	-0.7	0.0	0	0	0	00	0	0	0	0	0	0	0	30
JORHAT AERODROME	0530	90	1014.2	1003.7	..	16.5	16.4	16.2	18.5	99	..	6.1	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30
	0830	90	1016.2	1005.7	..	20.3	19.3	18.6	21.5	91	..	5.7	..	1.4	0	0	6	00	6	0	0	0	0	0	0	24
	1130	90	1013.7	1003.5	..	24.9	21.2	19.0	22.2	71	..	4.4	..	7.1	0	1	23	03	17	1	0	0	1	1	0	6
	1730	90	1012.3	1002.0	..	21.6	19.8	18.7	21.6	84	..	3.7	..	1.0	0	0	4	00	3	0	0	0	1	0	0	26
	2330	90	1014.1	1003.6	..	18.3	17.4	16.8	19.2	90	..	2.0	..	0.6	0	0	2	00	2	0	0	0	0	0	0	28
TANGLA	0830	65	1013.1	1005.8	-1.3	22.2	19.5	17.9	20.7	77	+ 2	2.3	+0.7	1.5	0	0	11	00	0	10	0	1	0	0	0	19
	1730	65	1008.8	1001.4	-1.9	23.9	21.0	19.4	22.6	77	- 3	2.1	+0.9	0.1	0	0	1	00	0	0	0	1	0	0	0	29
TEZPUR	0830	79	1016.6	1007.4	+0.1	20.5	18.8	17.6	20.2	84	+ 5	3.8	+0.9	3.4	0	0	23	00	22	0	0	0	0	0	1	7
	1730	79	1012.3	1003.3	+0.4	23.1	21.1	20.0	23.5	84	+ 5	2.7	+1.2	0.6	0	0	9	00	9	0	0	0	0	0	0	20
GOLAGHAT	0830	95	1015.9	1004.8	-0.6	19.6	18.3	17.5	20.0	88	+ 7	3.4	-1.0	0.3	0	0	5	00	0	0	0	1	1	1	2	24
	1730	95	1010.5	999.6	-2.0	25.8	21.0	18.2	21.0	64	- 7	3.2	-0.4	0.1	0	0	1	00	1	0	0	0	0	0	0	24
RANGIA	0830	60	1017.4	1010.4	..	22.1	20.0	18.8	21.8	82	+ 7	3.0	..	6.9	0	0	28	00	2	24	2	0	0	0	0	2
	1730	60	1013.5	1006.6	..	23.7	21.4	19.9	23.2	79	+ 3	2.3	..	1.2	0	0	6	00	0	6	0	0	0	0	0	19
CHAPARMUKH	0830	66	1017.1	1009.5	+0.0	22.3	20.3	19.2	22.4	83	+ 4	3.6	+1.2	2.2	0	0	25	00	1	4	20	0	0	0	0	3
	1730	66	(R)																							
GOALPARA	0830	38	1015.8	1011.5	+0.5	20.2	18.5	17.5	20.0	85	+ 6	3.9	+2.1	1.5	0	0	23	00	19	0	0	0	4	0	0	7
	1730	38	1011.7	1007.4	+0.2	26.1	21.3	18.5	21.4	64	- 5	2.8	+2.2	0.8	0	0	11	01	9	0	0	0	0	0	1	18

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - NOVEMBER, 1969 KARTIKA 10 - AGRAHAYANA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lt. in gms. of mercury standard indicate level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NORTH ASSAM (INCLUDING NEFA) (CONTD																											
GAUHATI (BHORJOR)	0230	54	1013.0	1006.7	..	18.2	17.9	17.7	20.3	97	..	2.4	..	0.6[b]	0	0	2	00	0	1	0	0	1	0	0	27	0
	0530	54	1013.9	1007.6	..	17.5	17.3	17.2	19.7	98	..	3.9	..	0.3	0	0	2	00	0	1	0	0	0	1	0	28	0
	0830	54	1016.1	1009.8	-0.2	21.0	19.7	18.9	21.9	88	+ 5	4.0	+1.2	1.7	0	0	8	01	3	4	0	0	0	0	0	22	0
	1130	54	1014.0	1007.8	..	25.0	21.2	19.0	22.2	70	..	3.8	..	7.9[b]	0	0	26	10	8	3	0	0	0	1	4	3	0
	1430	54	1011.3	1005.1	..	26.4	21.1	18.1	20.9	61	..	3.8	..	5.8	0	0	25	07	9	2	0	0	0	3	4	5	0
	1730	54	1012.1	1005.8	-0.3	22.4	20.6	19.7	23.0	85	+ 0	4.0	+1.5	1.5	0	0	9	02	4	1	0	2	0	0	0	21	0
	2030	54	1014.1	1007.8	..	20.1	19.5	19.1	22.2	94	..	2.4	..	0.5	0	0	3	00	1	2	0	0	0	0	0	27	0
	2330	54	1014.0	1007.7	..	18.9	18.4	18.1	20.8	95	..	2.7	..	0.3	0	0	1	00	1	0	0	0	0	0	0	29	0
DHUBRI (RUPSI)	0530	45	1013.3	1008.0	..	16.3	15.9	15.6	17.9	96	..	3.4	..	4.3	0	0	21	00	16	2	1	1	1	0	0	9	0
	0830	45	1015.7	1010.4	+0.0	21.4	19.2	17.9	20.5	81	+ 4	3.2	+2.0	7.4	0	0	30	00	16	9	1	3	0	1	0	0	0
	1130	45	1013.7	1008.6	..	25.6	20.7	17.8	20.6	63	..	3.5	..	9.0	0	0	30	00	9	9	4	2	5	1	0	0	0
	1730	45	1011.8	1006.6	-0.4	20.8	19.1	18.0	20.8	84	- 1	3.0	+2.1	1.5[b]	0	0	8	02	4	2	0	0	0	0	0	21	0
DHUBRI	0830	35	..	..	..	21.5	19.6	18.5	21.4	84	+ 3	0.9	-1.4	6.3[b]	0	2	17	00	17	2	0	0	0	0	0	11	0
	1730	35	..	..	..	24.0	20.5	18.6	21.6	72	- 2	1.4	-0.1	0.8	0	0	7	02	3	2	0	0	0	0	0	23	0
LUMDING	0830	149	1017.2	999.9	..	19.7	18.6	17.9	20.6	90	+ 5	2.3	..	0.4[b]	0	0	3	01	0	2	0	0	0	0	0	26	0
	1730	149	1012.5	995.5	..	24.5	21.3	19.4	22.8	73	..	2.2	..	0.1	0	0	2	00	0	2	0	0	0	0	0	28	0
BOMDILLA	0830		..	..	..	10.7	9.1	7.8	10.7	82	..	6.1	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	10.3	8.7	7.4	10.4	83	..	7.3	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAWANG	0830		..	..	..	10.1	9.2	8.6	11.2	91	..	4.4	..	4.9	0	0	30	07	0	6	0	5	0	12	0	0	0
	1730		..	..	..	9.7	9.0	8.4	11.1	92	..	4.0	..	4.0	0	0	30	13	0	8	0	4	0	5	0	0	0
TEZU	0830		..	..	..	20.5	17.7	15.7	17.9	76	..	3.6	..	0.1	0	0	1	00	0	1	0	0	0	0	0	29	0
	1730		..	..	..	21.3	19.1	17.6	20.2	80	..	0.0	..	0.1	0	0	1	00	0	0	0	0	0	0	1	29	0
ALONG	0830		..	..	..	18.9	17.2	16.0	18.5	82	..	6.5	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	20.7	18.8	17.6	20.4	83	..	3.6	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ZIRO	0830		..	..	..	11.7	10.4	9.4	11.8	86	..	4.3	..	0.5	0	0	3	00	2	0	0	0	1	0	0	27	0
	1730		..	..	..	12.6	11.0	9.8	12.2	83	..	4.9	..	2.5[b]	0	0	13	00	0	0	2	1	6	2	2	16	0
KHONSA	0830		..	..	..	19.4	16.4	14.7	16.8	75	..	4.9	..	0.2[b]	0	0	5	00	0	1	0	0	0	0	4	24	0
	1730		..	..	..	18.8	16.5	15.0	17.2	80	..	5.4	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
TURA	0830	370	1016.6	974.1	-0.2	19.2	16.8	15.1	17.4	77	- 2	3.4	+1.7	3.1	0	0	24	01	3	18	2	0	0	0	0	6	0
	1730	370	1012.3	970.5	-0.6	23.2	19.8	17.7	20.4	71	- 5	5.0	+1.5	2.7	0	0	25	00	0	9	9	2	4	0	1	6	0
HAFLONG	0830	682	1016.6	940.0	+1.0	19.7	17.1	15.4	17.7	77	- 2	2.8	-0.1	2.1	0	0	30	00	0	0	0	5	25	0	0	0	0
	1730	682	1011.8	935.6	+0.2	19.9	17.1	15.3	17.6	76	- 1	3.4	+1.0	2.3	0	0	30	00	0	0	12	0	18	0	0	0	0
SILCHAR (KUMBHIRGRAM)	0530	97	1013.8	1001.2	..	17.0	16.1	15.4	17.7	90	..	3.1	..	9.5	0	0	29	00	4	25	0	0	0	0	0	1	0
	0830	97	1015.8	1003.3	-0.3	21.2	18.4	16.6	19.1	75	+ 2	3.6	+2.0	10.3	0	0	29	00	1	23	5	0	0	0	0	1	0
	1130	97	1013.6	1001.3	..	25.7	20.3	16.9	19.5	59	..	3.7	..	8.3	0	0	29	00	2	14	9	1	2	1	0	1	0
	1730	97	1011.9	999.4	-0.9	23.0	20.3	18.7	21.8	77	+ 4	3.0	+1.9	3.1	0	0	13	04	4	4	0	0	1	0	0	17	0
SILCHAR	0830	29	1015.4	1012.1	+0.3	21.3	19.2	17.8	20.6	81	+ 0	3.8	+1.4	0.1	0	0	2	00	1	1	0	0	0	0	0	28	0
	1730	29	1011.4	1008.1	+0.2	25.3	21.3	19.1	22.3	69	- 5	3.0	+1.3	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
IMPHAL (TULIHAL)	0530	781	1018.2	928.1	..	10.5	10.2	9.9	12.4	96	..	4.7	..	0.8[b]	0	0	2	00	0	0	0	1	1	0	0	27	0
	0830	781	1018.3	929.9	+0.2	16.0	14.3	13.0	15.2	83	+ 5	5.3	+1.9	1.9	0	0	7	00	1	0	0	5	1	0	0	23	0
	1130	781	1014.3	927.8	..	21.9	16.8	13.3	15.5	59	..	3.0	..	4.5	0	0	17	03	1	0	0	8	3	1	1	13	0
	1430	781	1011.0	925.4	..	23.7	16.9	12.2	14.4	50	..	3.4	..	7.1	0	0	23	02	0	0	2	9	2	0	8	7	0
	1730	781	1013.3	926.0	+1.9	18.5	15.4	13.1	15.4	71	- 3	2.7	+0.5	5.5	0	0	16	05	0	0	1	3	1	1	5	14	0
	2030	781	1016.1	927.7	..	14.8	13.6	12.6	14.8	87	..	2.3	..	2.1	0	0	8	02	1	2	0	2	0	0	1	22	0
	2330	781	1014.1	928.0	..	12.9	12.1	11.5	13.8	91	..	1.9	..	1.1	0	0	4	02	1	0	0	1	0	0	0	26	0
KAILASHAHAR	0530	29	1014.6	1011.1	..	16.7	16.4	16.2	18.8	97	..	3.0	..	0.7	0	0	9	00	0	0	1	8	0	0	0	21	0
	0830	29	1016.1	1012.7	-0.1	22.5	20.5	19.4	22.8	84	+ 4	2.8	+0.9	1.9	0	0	17	01	0	0	2	13	0	0	1	13	0
	1130	29	1014.1	1010.8	..	26.8	21.5	18.3	21.7	61	..	3.5	..	6.9	0	0	30	08	4	2	1	6	2	4	3	0	0
	1730	29	1012.6	1009.3	+0.0	23.7	21.4	20.1	23.8	81	+ 1	2.4	+0.9	0.7	0	0	6	01	1	1	0	3	0	0	0	24	0
AGARTALA	0230	16	1011.8	1010.0	..	17.5	16.7	16.2	18.8	92	..	1.8	..	0.4	0	0	3	01	0	1	1	0	0	0	0	27	0
	0530	16	1012.4	1010.6	..	16.6	16.0	15.6	18.1	93	..	2.9	..	1.2	0	0	8	00	3	0	2	2	0	1	0	22	0
	0830	16	1014.4	1012.6	-0.2	23.8	20.8	19.0	22.2	75	- 2	2.8	+0.9	3.0	0	0	12	01	4	0	2	2	1	1	1	18	0
	1130	16	1012.7	1010.9	..	27.9	21.2	16.9	19.8	53	..	3.6	..	6.2	0	0	26	07	6	1	0	2	3	4	3	4	0
	1430	16	1010.3	1008.5	..	28.6	21.3	16.6	19.5	50	..	3.4	..	6.9	0	0	25	08	1	0	0	4	3	3	6	5	0
	1730	16	1011.0	1009.2	-0.2	23.9	20.6	18.6	21.8	72	- 3	2.8	+0.8	1.8	0	0	8	04	0	0	0	1	0	0	3	22	0
	2030	16	1012.9	1011.1	..	20.4	18.8	17.9	20.8	86	..	1.4	..	1.1	0	0	7	02	1	0	1	2	1	0	0	23	0
	2330	16	1012.6	1010.8	..	18.5	17.6	17.0	19.8	91	..	1.3	..	1.3	0	0	8	02	1	0	1	2	1	0	1	22	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - NOVEMBER, 1969 KARTIKA 10 - AGRAHAYANA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mb.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or lat. in gen. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	28 to 61	11 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA) (CONTD.)																											
TUENSANG	0830		(R)																								
	1730		(R)																								
MOKOKCHUNG	0830		(R)																								
	1730		(R)																								
SUB-HIMALAYAN WEST BENGAL																											
BAGHDOGRA	0230	131	1013.4	998.0	..	16.6	15.7	15.0	17.3	91	..	2.0	..	0.8	0	0	3	01	1	0	0	0	0	0	1	27	0
	0530	131	1013.9	998.5	..	15.1	14.6	14.1	16.3	94	..	3.0	..	0.9	0	0	4	02	2	0	0	0	0	0	0	26	0
	0830	131	1015.9	1000.7	+0.2	22.2	19.0	17.0	19.4	73	+ 2	3.8	+2.1	5.3	0	0	15	02	2	10	1	0	0	0	0	15	0
	1130	131	1014.3	999.4	..	26.8	20.5	16.5	18.9	54	..	3.9	..	9.3	0	0	25	00	2	11	7	2	2	1	0	5	0
	1430	131	1011.3	996.5	..	27.8	20.6	16.1	18.5	50	..	4.4	..	7.5	0	0	24	00	0	4	4	4	8	3	1	5	0
	1730	131	1012.1	997.0	-0.1	22.3	19.6	18.0	20.8	77	- 7	4.5	+2.2	2.5	0	0	11	01	1	2	1	1	3	1	1	19	0
	2030	131	1014.2	998.9	..	19.6	18.3	17.3	20.0	87	..	2.3	..	3.0	0	0	10	06	1	1	0	0	0	0	2	20	0
	2330	131	1014.3	999.0	..	18.1	17.0	16.2	18.6	89	..	2.1	..	1.7	0	0	7	04	2	0	0	0	0	0	1	23	0
JALPAIGURI	0830	83	1015.9	1006.3	+0.4	19.8	18.2	17.3	19.8	86	+ 4	1.9	+0.5	2.8	0	0	26	13	6	6	1	0	0	8	0	4	0
	1730	83	1011.9	1002.5	+0.3	24.1	20.4	18.2	21.0	70	+ 4	1.9	+0.3	0.8	0	0	6	00	0	4	0	0	1	1	0	24	0
COOCH BEHAR AERODROME	0830	43	1016.3	1011.3	+0.9	21.2	19.0	17.6	20.2	81	+ 8	3.1	+2.2	5.7	0	0	20	00	2	18	0	0	0	0	0	9	0
	1130	43	1014.3	1009.5	..	25.5	20.4	17.3	19.8	61	..	3.4	..	8.3	0	0	25	00	0	20	2	1	0	0	0	5	2
	1730	43	1012.5	1007.6	+0.7	23.0	20.2	18.6	21.5	76	+ 0	2.3	+0.9	0.3	0	0	1	00	0	1	0	0	0	0	0	29	0
BALURGHAT	0830	26	1014.9	1011.9	..	23.6	20.2	18.1	21.0	73	..	1.9	..	2.3	0	0	26	09	4	3	1	1	6	2	0	4	0
	1730	26	1011.6	1008.7	..	24.1	21.1	19.4	22.7	75	..	1.9	..	0.2	0	0	3	02	1	0	0	0	0	0	0	27	0
MALDA	0830	31	1015.8	1012.1	+0.4	23.0	19.3	16.8	19.5	69	- 1	1.9	+0.5	0.7	0	0	10	01	4	2	1	1	0	1	0	20	0
	1730	31	1011.7	1008.1	+0.0	24.9	20.2	17.2	20.0	63	- 2	2.3	+0.9	0.4	0	0	6	03	2	0	0	0	0	0	1	24	0
HASHIMARA AERODROME	0530	115	1014.8	1001.2	..	15.7	15.0	14.5	16.7	93	..	3.3	..	1.6	0	0	6	04	1	0	0	1	0	0	0	24	0
	0830	115	1016.6	1003.2	..	21.7	19.0	17.3	19.8	77	..	3.5	..	2.7	0	0	11	04	2	1	1	2	0	0	0	19	1
	1130	115	1014.9	1001.8	..	27.7	21.2	17.4	20.0	55	..	4.2	..	9.2	0	1	27	00	1	3	9	15	0	0	0	2	0
	1730	115	1013.1	999.7	..	21.2	19.7	18.9	21.8	87	..	4.5	..	0.7	0	0	4	02	1	0	0	1	0	0	0	26	0
	2330	115	1015.1	1001.5	..	17.6	16.6	16.0	18.3	90	..	2.9	..	1.6	0	0	6	03	2	0	1	0	0	0	0	24	0
GANGETIC WEST BENGAL																											
BERHAMPORE	0830	19	1015.6	1013.4	+0.6	22.3	19.7	18.1	21.1	78	+ 6	1.8	+0.2	0.2	0	0	3	01	0	2	0	0	0	0	0	27	0
	1730	19	1011.7	1009.6	+0.4	24.6	20.7	18.3	21.9	69	+ 6	1.3	-0.3	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
SURI	0830		..	..	..	25.2	20.0	16.8	19.5	61	- 3	1.6	+0.4	3.1	0	0	30	03	0	10	0	9	0	8	0	0	0
ASANSOL	0230	126	1013.1	998.4	..	18.0	16.7	15.7	18.3	86	..	2.0	..	0.5	0	0	4	01	0	0	1	0	0	2	0	26	0
	0530	126	1013.6	998.8	..	17.4	16.3	15.4	18.0	89	..	2.8	..	0.7	0	0	6	00	0	0	0	1	1	4	0	24	0
	0830	126	1015.5	1001.0	+0.3	23.6	19.4	16.7	19.5	65	- 4	2.3	+0.6	3.2	0	0	23	03	2	2	1	0	1	5	9	7	0
	1130	126	1013.9	999.7	..	28.7	20.1	14.1	16.9	43	..	2.4	..	5.7	0	0	28	06	3	3	2	2	1	3	8	2	0
	1430	126	1011.1	996.9	..	29.7	20.3	13.7	16.4	39	..	2.6	..	6.6	0	0	27	06	5	1	1	0	2	3	9	2	0
	1730	126	1011.8	997.4	+0.3	24.7	19.7	16.3	19.1	60	+ 7	2.8	+0.8	0.7	0	0	6	01	2	0	1	1	0	0	1	24	0
	2030	126	1013.8	999.2	..	20.1	17.7	16.1	18.8	78	..	2.0	..	0.9	0	0	8	00	3	1	0	2	0	0	2	22	0
	2330	126	1014.0	999.2	..	18.5	16.9	15.7	18.3	83	..	1.8	..	0.6	0	0	5	00	0	1	0	1	0	2	1	25	0
SHANTI NIKETAN	0830	59	1015.8	1009.0	..	22.5	19.6	17.8	20.9	75	..	2.4	..	1.9	0	0	18	06	3	1	0	1	1	4	2	12	0
	1130	59	1015.1	1008.4	..	27.1	19.3	13.4	16.4	45	..	3.0	..	0.9	0	0	12	06	3	0	0	1	0	1	1	17	0
	1730	59	1012.2	1005.4	..	23.5	19.8	17.3	20.4	69	..	2.5	..	0.5	0	0	6	04	1	0	0	1	0	0	0	24	0
KRISHNANAGAR	0830	15	1015.2	1013.5	+0.0	23.7	20.3	18.2	21.3	72	+ 0	1.3	-0.4	0.1	0	0	2	01	0	0	0	1	0	0	0	28	0
	1730	15	1012.8	1011.1	+0.6	26.3	21.4	18.6	21.9	64	- 3	1.4	-0.6	0.2	0	0	3	00	0	0	0	2	0	1	0	27	0
PURULIA	0830	255	1016.0	986.9	-0.1	22.2	18.5	16.0	18.7	69	+ 7	2.8	+1.5	2.3	0	0	22	05	1	0	3	2	1	5	5	8	0
	1730	255	1012.1	983.4	-0.1	25.9	20.0	16.3	18.9	56	+ 1	3.5	+2.0	0.7	0	0	8	02	3	0	3	0	0	0	0	22	0
BANKURA	0830	100	1015.1	1003.6	..	23.3	19.1	16.5	19.3	65	..	1.1	..	0.9	0	0	13	04	3	0	1	0	0	4	0	17	1
	1730	100	1010.3	999.0	..	25.6	21.9	19.7	23.3	72	..	0.8	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
BURDWAN	0830	32	1015.6	1011.9	+0.5	24.3	20.4	17.9	21.0	68	- 4	1.2	-0.4	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	32	1011.4	1007.8	+0.0	27.5	21.5	17.9	20.9	56	-10	1.8	+0.2	..	.	..	..	..	..	..	..	..	..	..	..	..	..
CALCUTTA (DUM DUM)	0230	6	1012.2	1011.5	..	20.1	19.1	18.5	21.7	91	..	1.5	..	1.9	0	0	7	01	2	1	0	1	2	0	0	23	0
	0530	6	1012.9	1012.2	..	19.3	18.6	18.1	21.2	93	..	2.4	..	1.8	0	0	6	02	2	1	0	1	0	0	0	24	0
	0830	6	1015.0	1014.3	+0.1	23.9	20.7	18.7	22.0	74	+ 2	2.4	+0.5	6.9	0	0	25	07	4	5	1	2	1	3	2	5	0
	1130	6	1013.5	1012.8	..	28.1	21.1	16.6	19.5	51	..	2.8	..	10.7	0	0	29	12	5	2	3	1	1	2	3	1	0
	1430	6	1011.0	1010.3	..	29.0	20.9	15.7	18.5	46	..	2.9	..	10.5	0	0	30	14	2	2	2	2	1	3	4	0	0
	1730	6	1011.6	1010.9	+0.0	26.0	21.4	18.8	22.0	65	- 3	3.0	+0.7	2.8	0	1	9	01	1	0	1	2	2	1	2	20	0
	2030	6	1013.3	1012.6	..	22.3	20.4	19.2	22.6	83	..	1.4	..	3.7	0	0	12	02	2	1	1	3	3	0	0	17	0
	2330	6	1013.1	1012.4	..	21.0	19.6	18.7	22.0	87	..	1.9	..	2.1	0	0	9	00	3	2	1	2	1	0	0	21	0
CALCUTTA	0830	6	1015.1	1014.4	+0.2	25.5	21.0	18.2	21.4	65	- 9	2.2	+0.4	2.9	0	0	19	03	1	5	2	1	1	1	5	11	0
	1130	6	1013.5	1012.8	..	29.1	21.2	16.1	19.1	47	..	3.3	..	5.0	0	0	28	02	4	3	3	1	1	3	11	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - NOVEMBER, 1969 KARTIKA 10 - AGRAHAYANA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or in place of mean sea level where below sea level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind speed (Km. p.h.) 02 or more	20 to 40	1 to 20	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GANGETIC WEST BENGAL (CONTD)																											
CALCUTTA	1730	6	1011.8	1011.1	+0.2	25.9	20.7	17.6	20.6	61	- 6	3.0	+0.9	2.0	0	0	14	01	2	1	1	2	2	1	4	16	0
MIDNAPORE	0830	46	1015.4	1010.1	+0.2	24.4	20.5	17.9	21.1	68	+ 1	2.1	+0.3	3.0	0	0	27	09	5	5	0	4	2	1	0	3	1
	1730	46	1011.5	1006.3	+0.1	26.0	21.2	18.0	21.2	64	+ 6	1.8	-0.3	1.0	0	0	9	03	3	0	2	0	1	0	0	21	0
CONTAI	0830	11	1014.9	1013.7	-0.1	25.4	21.4	19.1	22.6	69	- 3	2.9	+1.4	5.5	0	0	29	09	5	0	4	0	2	2	7	1	0
	1730	11	1011.3	1010.1	-0.5	25.7	21.6	19.3	22.8	68	+ 1	3.9	+2.4	2.7	0	0	12	02	1	1	4	3	1	0	0	18	0
SAGAR ISLAND	0830	3	1014.4	1014.1	+0.1	25.3	21.9	20.0	23.8	73	+ 2	2.7	+0.0	7.3	0	0	27	07	6	3	1	2	1	2	5	3	0
	1730	3	1011.2	1010.9	+0.2	25.7	21.7	19.4	22.9	69	+ 0	4.0	+1.0	5.8	0	0	29	07	6	2	3	4	3	1	3	1	0
SAUGEREAD	0530	10	1012.4	1011.3	..	26.2	21.8	19.2	22.6	66	..	3.3	..	14.1	0	8	18	07	7	3	3	2	2	1	1	3	0
	0830	10	1014.8	1013.7	+0.3	27.6	22.5	19.6	23.2	63	- 1	3.0	+0.7	15.9	0	8	21	04	11	5	2	2	2	2	1	1	0
	1130	10	1013.9	1012.8	..	28.5	22.7	19.5	23.1	60	..	2.8	..	15.2	1	5	24	08	7	6	2	2	1	3	1	0	0
	1730	10	1011.6	1010.5	+0.0	27.1	21.9	18.8	22.3	62	- 2	3.2	+0.7	12.8	0	9	16	06	4	3	4	2	2	1	3	5	0
	2330	10	1013.1	1012.0	..	26.6	21.9	19.2	22.8	65	..	2.1	..	11.7	0	6	16	03	2	7	5	1	1	2	1	8	0
BAGATI	0830		..	..	..	23.9	20.6	18.7	22.1	74	..	2.7	..	2.4	0	0	24	04	4	0	2	1	3	3	5	6	2
	1730		..	..	..	25.2	21.9	20.4	24.2	75	..	2.2	..	1.7	0	0	16	02	2	2	3	0	2	1	4	13	0
ORISSA																											
BARIPADA	0830	54	1016.0	1009.7	-0.2	22.7	19.8	18.0	21.1	75	+10	2.9	+1.0	1.3	0	0	18	09	0	0	0	0	1	0	8	12	0
	1730	54	1012.5	1006.4	-0.1	25.6	20.5	17.3	20.3	61	- 3	3.7	+2.8	0.1	0	0	2	00	0	0	0	1	1	0	0	28	0
JHARSUGUDA	0230	230	1012.4	984.0	..	19.5	17.8	16.6	19.2	84	..	2.5	..	4.1	0	0	22	03	14	2	2	1	0	0	0	8	0
	0530	230	1013.4	986.7	..	18.3	17.0	16.2	18.8	88	..	2.9	..	3.7	0	0	20	06	8	4	1	1	0	0	0	10	0
	0830	230	1015.2	988.9	-0.4	22.9	18.9	16.2	18.8	67	+ 3	2.9	+1.1	6.9	0	1	26	04	15	4	1	3	0	0	0	3	0
	1130	230	1013.6	987.8	..	28.4	20.2	14.7	17.2	44	..	3.5	..	7.1	0	0	30	05	7	6	3	3	3	2	1	0	0
	1430	230	1010.8	985.0	..	29.9	20.4	13.6	16.3	39	..	3.9	..	7.8	0	2	28	08	7	2	1	3	1	4	4	0	0
	1730	230	1011.1	985.2	-0.7	26.8	20.1	15.6	18.3	51	- 2	4.3	+2.2	4.0	0	0	21	01	5	3	4	3	2	3	0	9	0
	2030	230	1013.2	987.0	..	23.2	19.0	16.1	18.8	65	..	3.0	..	3.9	0	0	18	01	1	3	2	10	0	0	1	12	0
	2330	230	1013.4	987.0	..	21.0	18.6	17.2	19.9	79	..	2.9	..	2.8	0	0	17	04	5	2	3	2	0	0	1	13	0
KEONJHARGARH	0830		(R)																								
	1730		(R)																								
BALASORE	0830		(R)																								
	1730		(R)																								
SAMBALPUR	0830	148	1014.7	998.0	+0.2	29.1	23.2	20.4	24.0	59	-15	2.1	-0.1	0.7	0	0	7	02	1	0	2	2	0	0	0	23	0
	1730	148	1010.8	994.1	-0.8	27.2	23.5	21.6	26.0	72	+17	2.3	-0.3	0.7	0	0	5	00	0	1	2	2	0	0	0	25	0
ANGUL	0830	139	1015.2	999.3	-0.1	22.8	20.4	19.0	22.3	80	+ 5	3.6	+0.8	2.0	0	0	27	06	1	1	3	1	0	4	11	3	0
	1730	139	1011.5	995.8	+0.0	27.2	21.2	17.5	20.5	58	+ 5	3.7	+0.4	1.8	0	0	28	10	3	4	1	6	1	0	3	2	0
CHANDBALI	0830	6	1015.5	1014.8	+0.6	25.6	22.7	21.1	25.4	76	- 1	3.3	+1.0	5.4	0	0	30	12	7	0	0	2	1	1	7	0	0
	1730	6	1012.2	1011.5	+0.5	28.2	22.2	19.9	23.5	69	+ 2	3.6	+1.2	3.3	0	0	24	06	8	5	1	2	0	0	2	5	0
BOLANGIR	0830	190	1015.0	993.2	-1.0	23.6	19.8	17.5	20.4	69	+ 2	2.8	+0.6	2.2	0	0	17	03	5	2	3	1	0	0	3	13	0
	1730	190	1010.8	989.4	-1.6	27.1	21.1	17.4	20.3	57	+ 7	3.7	+1.6	0.8	0	0	6	01	1	3	1	0	0	0	0	24	0
BHUBANI	0830	464	1013.1	960.9	..	22.0	19.1	17.4	20.2	76	..	2.0	..	0.5	0	0	4	00	0	0	2	1	1	0	0	25	0
	1730	464	1009.6	958.0	..	24.4	20.9	19.0	22.3	73	..	1.9	..	0.4	0	0	6	00	0	0	5	1	0	0	0	24	0
CUTTACK	0830	27	1015.3	1012.2	+0.3	24.3	22.0	20.8	24.8	81	+ 7	2.4	+0.1	2.6	0	1	15	07	1	5	0	1	0	2	0	14	0
	1730	27	1012.1	1009.1	+0.6	28.5	23.4	20.7	24.6	64	+ 5	2.7	+0.0	2.1	0	0	14	01	1	3	0	8	0	1	0	16	0
TITLAGARH	0830	211	1013.3	989.2	-2.1	23.0	19.1	16.4	19.1	68	- 5	4.5	+2.5	2.8	0	0	30	00	14	0	4	0	10	0	2	0	0
	1730	211	1009.1	985.5	-2.0	28.4	22.8	19.7	23.4	61	+ 7	4.5	+2.6	2.0	0	0	30	00	23	0	3	0	2	0	2	0	0
BHUBANESWAR	0230	46	1012.2	1007.0	..	22.4	21.4	20.9	25.0	92	..	2.4	..	4.8	0	2	11	04	4	0	1	1	0	1	2	17	0
	0530	46	1012.8	1007.9	..	21.1	20.3	19.9	23.5	93	..	3.2	..	6.0	0	2	15	07	5	1	0	1	1	1	1	13	0
	0830	46	1014.9	1009.7	-0.1	24.7	21.9	20.5	24.4	78	+10	3.8	+1.5	9.0	0	2	22	11	5	1	2	0	1	2	2	6	0
	1130	46	1013.7	1008.6	..	28.1	22.2	18.7	22.1	58	..	5.1	..	14.5	1	4	23	06	14	2	0	1	2	3	0	2	0
	1430	46	1011.1	1006.0	..	29.1	22.0	17.7	20.8	53	..	5.4	..	11.9	0	7	17	08	9	2	1	1	1	0	2	6	0
	1730	46	1011.7	1006.5	-0.1	26.4	22.0	19.4	22.9	67	+ 6	4.8	+2.1	6.7	0	2	16	01	5	3	4	5	0	0	0	12	0
	2030	46	1013.5	1008.3	..	24.5	21.9	20.4	24.3	79	..	3.8	..	4.9	0	2	14	01	4	4	1	4	1	1	0	14	0
	2330	46	1013.4	1008.2	..	23.2	21.6	20.6	24.6	86	..	2.8	..	4.0	0	3	7	01	2	3	1	1	2	0	0	20	0
PURI	0830	6	1016.4	1015.9	+1.8	26.6	23.3	21.8	26.5	77	+ 6	4.6	+2.1	7.0	0	2	23	09	6	3	0	0	3	1	3	5	0
	1730	6	1011.7	1011.0	+0.0	27.0	23.3	21.6	26.1	74	+10	4.5	+1.1	9.3	0	2	24	01	5	6	3	3	4	2	2	4	0
GOPALPUR	0530	17	..	..	..	..	..	..	..	..	..	5.2	..	24.0	1	2	25	16	1	1	1	1	0	1	7	2	0
	0830	17	1014.7	1012.6	-0.1	24.5	22.2	21.0	25.0	81	+ 7	4.7	+1.8	10.6	0	3	24	17	2	0	1	0	0	0	7	3	0
	1130	17	1013.7	1011.7	..	28.2	23.8	21.5	25.9	68	..	5.1	..	12.1	0	3	27	06	5	8	4	3	1	1	2	0	0
	1730	17	1011.5	1009.6	+0.1	27.0	23.0	20.9	25.1	70	+ 5	5.2	+1.9	12.9	0	3	27	02	4	12	8	2	1	1	0	0	0
	2330	17	1013.2	1011.2	..	24.4	22.5	21.5	25.9	84	..	4.2	..	7.5	0	2	22	08	2	2	3	0	2	1	6	6	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – NOVEMBER, 1969 KARTIKA 10 - AGRAHAYANA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind speed (Km. P.H.) 0 or zero	2 to 10	11 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORISSA (CONTD.)																												
KORAPUT	0830	913	1531.0	913.5	-0.2	20.1	17.4	15.7	18.0	77	+ 4	3.2	+1.2	16.8	0	3	27	00	4	1	18	3	2	0	2	0	0
	1730	913	1512.3	911.0	-0.4	22.1	18.0	15.2	17.7	68	+ 9	3.8	+1.3	17.0	0	3	27	01	4	3	6	0	3	2	11	0	0
PARADIP PORT	0830	11	1013.8	1012.9	..	29.2	27.2	26.4	34.4	85	..	1.4	..	16.3	0	4	26	09	2	4	3	3	1	3	5	0	0
	1730	11	1011.0	1010.1	..	29.3	27.4	26.6	34.9	86	..	1.7	..	23.7	1	16	13	05	4	11	5	3	1	1	0	0	0
ROURKELA	0830	196	1016.1	993.6	..	22.5	19.5	17.6	20.5	74	..	1.8	..	4.6	0	3	9	02	5	3	0	1	1	0	0	18	0
	1730	196	1011.6	989.5	..	27.1	20.7	17.3	20.0	55	..	2.5	..	5.2	0	1	13	00	4	4	1	4	1	0	0	15	0
BHOWANI PATNA	0830	267	1013.8	984.3	..	24.4	20.3	18.0	20.9	69	..	2.9	..	2.2	0	0	30	04	4	3	3	3	12	1	0	6	0
	1730	267	1009.6	980.4	..	27.2	21.2	17.3	20.3	57	..	2.7	..	2.2	0	0	30	10	6	4	0	5	4	1	0	0	0
BIHAR PLATEAU																												
DUMKA	0830	149	1015.6	998.5	+0.3	23.1	18.7	15.7	18.4	63	- 3	1.0	+0.0	3.3	0	0	25	04	5	7	0	0	1	8	0	9	0
	1730	149	1011.0	994.4	-0.2	24.7	19.5	16.0	18.5	60	+ 4	0.9	-0.4	0.7	0	0	5	01	2	2	0	0	0	0	0	25	0
DALTONGANJ	0830	221	..	..	..	23.3	20.1	17.9	21.3	73	+ 2	2.5	+1.1	3.9	0	0	29	00	0	0	0	0	21	0	8	1	0
	1730	221	..	..	..	..	..	..	..	..	..	1.8	+0.1	4.0	0	0	30	00	0	0	0	0	7	0	23	0	0
HAZARIBAGH	0830	611	..	..	..	..	..	..	..	..	..	2.4	+0.9	2.7	0	0	22	00	0	3	5	2	3	0	9	8	0
	1730	611	..	..	..	..	..	..	..	..	..	3.3	+1.6	2.6	0	0	25	04	3	1	1	0	0	1	15	5	0
DHANBAD	0830	257	1015.1	985.7	-0.1	23.2	18.5	15.2	17.9	63	+ 5	1.7	+0.2	2.2	0	0	18	00	3	0	5	2	2	5	0	12	1
	1730	257	1011.1	982.3	..	25.2	19.1	14.9	17.6	54	..	1.6	..	1.3	0	0	10	00	2	0	3	0	1	0	4	20	0
RANCHI AERODROME	0530	652	1014.0	940.2	..	17.4	15.0	13.2	15.8	78	..	2.6	..	6.1	1	0	12	02	0	2	1	1	0	4	2	17	1
	0830	652	1015.1	942.2	-0.4	21.0	16.7	13.5	16.2	64	+10	2.4	+0.9	8.6	0	2	17	01	2	1	1	2	1	3	8	11	0
	1130	652	1013.1	941.2	..	24.6	17.5	11.8	14.8	49	..	2.5	..	14.6	0	7	20	04	9	2	1	2	1	3	9	3	0
	1430	652	1010.3	938.8	..	25.6	17.5	11.3	14.7	44	..	2.6	..	14.6	0	5	23	09	3	2	1	0	2	1	10	2	0
	1730	652	1011.5	939.4	-0.4	23.2	17.2	12.8	15.7	55	+ 7	2.6	+0.7	10.4	0	0	29	05	6	4	1	1	0	0	12	1	0
	2030	652	1014.1	940.9	..	19.8	16.1	13.4	16.0	68	..	1.3	..	5.1	0	0	16	01	2	1	1	2	0	3	6	14	0
JAMSHEDPUR	0830	129	1016.6	1001.7	+0.9	21.9	19.3	17.8	20.7	78	+ 5	2.1	+0.2	1.5	0	0	12	01	1	2	1	0	1	2	4	18	0
	1730	129	1012.7	998.0	+0.8	25.4	22.2	20.5	24.2	75	+18	2.9	+1.3	1.0	0	0	5	00	1	2	2	0	0	0	0	25	0
JAMSHEDPUR P.B.O.	0530	14	1013.6	997.1	..	18.4	17.5	16.9	19.7	91	..	3.7	..	1.4	0	0	5	00	0	4	0	1	0	0	0	25	0
	0830	14	1015.5	999.2	-0.4	21.7	19.1	17.4	20.2	77	+ 7	2.8	+1.2	2.5	0	0	8	01	0	4	0	0	0	1	2	22	0
	1130	14	1013.9	997.9	..	27.1	20.5	16.2	18.9	52	..	2.6	..	3.9	0	0	15	02	1	5	0	0	2	1	4	15	0
	1430	14	1011.0	995.1	..	28.7	20.4	14.9	17.5	44	..	3.2	..	5.5	0	1	19	01	1	4	1	0	0	2	1	10	0
	1730	14	1011.3	995.2	-0.5	26.5	20.9	17.6	20.4	59	+ 7	3.9	+2.0	1.0	0	0	5	00	0	5	0	0	0	0	0	25	0
	2030	14	1013.3	997.0	..	22.3	19.8	18.1	21.3	78	..	2.6	..	0.9	0	0	4	00	0	3	0	0	1	0	0	26	0
	2330	14	1013.6	997.2	..	20.4	18.9	17.9	20.8	86	..	1.8	..	1.3	0	0	5	00	0	4	0	0	0	0	1	25	0
CHAIBASA	0830		..	..	..	22.6	19.2	17.0	19.7	70	- 1	2.5	+0.3	0.9	0	0	12	00	3	0	1	0	8	0	0	18	0
	1730		..	..	..	25.5	20.3	17.2	19.9	60	+ 4	4.0	+1.4	0.3	0	0	4	00	3	0	0	0	0	0	1	26	0
BIHAR PLAINS																												
MOTIHARI	0830	66	1015.3	1007.8	+0.2	19.8	18.1	17.0	19.8	84	+ 8	2.1	+1.4	1.3	0	0	16	00	0	7	0	2	1	5	1	14	0
	1730	66	1011.6	1004.1	+0.0	23.2	20.4	18.8	22.3	76	+ 4	0.9	+0.3	0.3	0	0	2	00	0	0	0	0	0	1	1	22	0
FORBESGANJ	0830		(R)																								
	1730		(R)																								
DARBHANGA	0830	49	1015.9	1010.3	+0.5	22.7	19.2	16.9	19.6	71	- 6	1.5	+0.6	0.3	0	0	5	00	0	2	1	0	0	2	0	25	0
	1730	49	1012.3	1006.7	+0.5	25.2	20.4	17.5	20.4	63	- 1	0.5	-0.2	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
MUZAFFARPUR	0830		..	..	..	21.0	18.8	17.4	20.2	80	..	1.1	..	2.2	0	0	17	05	2	2	0	0	3	4	1	13	0
	1730		..	..	..	23.2	20.6	19.1	22.6	78	..	0.9	..	0.4	0	0	4	00	2	0	0	1	0	1	0	26	0
CHAPRA	0830	58	1015.4	1008.7	..	21.5	18.4	16.3	19.0	72	..	2.1	..	2.1	0	0	27	00	7	0	2	0	17	0	1	3	0
	1730	58	1011.9	1005.3	..	24.8	20.5	17.8	21.0	66	..	1.6	..	1.7	0	0	23	01	11	0	1	0	7	0	3	7	0
PURNEA	0830	38	1015.8	1011.4	+0.3	21.2	18.7	17.1	19.8	77	+ 0	1.4	+0.3	0.5	0	0	8	01	2	3	0	0	2	0	0	22	0
	1730	38	1011.9	1007.5	+0.2	23.5	20.6	18.9	22.1	75	+ 2	1.7	+0.9	0.3	0	0	4	00	0	1	0	0	2	1	0	26	0
PATNA AERODROME	0230	60	1012.6	1005.6	..	17.9	16.9	16.2	18.9	90	..	2.0	..	1.5	0	0	7	01	0	2	0	1	1	2	0	23	0
	0530	60	1013.0	1006.0	..	16.8	15.9	15.2	17.9	91	..	1.9	..	1.9	0	0	10	00	2	2	0	0	2	4	0	20	0
	0830	60	1015.2	1008.3	-0.4	21.1	18.3	16.4	19.1	75	+ 8	2.6	+1.7	4.0	0	0	24	00	3	2	3	2	6	8	0	6	0
	1130	60	1014.2	1007.4	..	26.5	19.6	14.8	17.5	50	..	3.1	..	6.2	0	0	29	01	3	8	1	4	0	5	7	1	0
	1430	60	1011.4	1004.7	..	27.6	19.5	13.6	16.3	44	..	3.4	..	6.5	0	0	29	03	5	3	2	0	1	4	10	1	1
	1730	60	1011.6	1004.8	+0.0	23.7	19.4	16.6	19.1	65	+ 9	2.7	+1.7	0.7	0	0	4	00	1	2	0	0	1	0	0	26	0
	2030	60	1013.4	1006.4	..	19.8	17.9	16.7	19.3	82	..	1.7	..	1.0	0	0	6	00	1	2	0	0	1	2	0	24	0
	2330	60	1013.5	1006.5	..	18.5	17.1	16.1	18.5	86	..	1.9	..	1.6	0	0	9	01	2	1	0	2	0	3	0	21	0
BHAGALPUR	0530	49	1013.5	1007.8	..	18.1	16.7	15.6	18.1	85	..	2.6	..	4.3	0	0	25	01	0	5	4	2	12	1	0	5	0
	0830	49	1015.7	1010.1	-0.2	21.6	18.5	16.3	19.1	72	+ 4	2.6	+1.7	4.3	0	0	26	00	4	4	4	1	11	2	0	4	0
	1130	49	1014.6	1009.0	..	25.3	19.8	16.2	18.9	58	..	2.9	..	7.1	0	1	29	00	8	4	2	0	8	7	1	0	0
	1730	49	1012.1	1006.6	+0.0	23.8	19.3	16.4	19.1	64	+ 0	2.0	+0.9	5.5	0	1	25	02	8	1	0	0	3	10	2	4	0
	2330	49	1013.8	1008.2	..	19.8	17.7	16.2	18.9	80	..	1.3	..	3.7	0	0	25	00	2	3	7	4	6	2	1	5	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — NOVEMBER, 1969 (KARTIKA 10 – AGRAHAYANA 9, 1891 SAKA)

Sub-division and Station	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of second standard isobaric level	Mean pressure in mbs.: At station level	Mean pressure in mbs.: Departure from normal	Mean temperature in °C: Dry Bulb	Mean temperature in °C: Wet Bulb	Mean temperature in °C: Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.): 62 or more	Wind Speed (Km. p. h.): 20 to 61	Wind Speed (Km. p. h.): 1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BIHAR PLAINS (CONTD.)																											
SABAUR	0830	37	1015.7	1011.4	+0.3	21.2	18.5	16.7	19.5	76	+ 3	2.5	+1.0	3.7	0	0	26	02	3	4	2	0	12	3	0	4	0
	1730	37	1011.9	1007.7	+0.1	23.6	20.0	17.8	20.8	71	+ 0	2.3	+0.9	2.1	0	0	20	05	3	0	0	0	1	1	10	10	0
JAMUI	0830	82	..	..	..	20.1	18.8	18.0	21.0	87	+11	1.6	+0.3	1.5	0	0	21	00	5	8	6	0	0	1	1	9	0
	1730	82	..	..	..	24.1	20.7	18.6	21.8	72	+11	1.6	+0.5	0.7	0	0	10	00	5	2	0	0	0	1	2	20	0
DEHRI	0830	107	1015.2	1002.9	-0.5	22.7	19.1	16.9	19.6	70	+ 6	2.9	+1.9	2.3	0	0	29	01	2	5	5	7	4	5	0	1	0
	1730	107	1011.5	999.2	-0.5	26.7	20.1	15.8	18.5	53	+ 1	2.4	+1.6	2.2	0	0	29	01	11	3	0	0	0	14	0	1	0
GAYA	0230	116	1013.4	999.8	..	17.5	17.0	16.7	19.4	95	..	2.2	..	3.3	0	0	20	00	2	8	6	4	0	0	0	10	0
	0530	116	1013.8	1000.2	..	16.5	16.2	15.9	18.5	96	..	2.6	..	3.4	0	0	21	00	2	3	10	6	0	0	0	9	0
	0830	116	1015.7	1002.3	+0.0	21.3	19.0	17.5	20.3	79	+13	3.0	+1.9	5.0	0	1	20	00	3	2	3	10	3	0	0	9	0
	1130	116	1014.6	1001.4	..	27.5	21.0	16.8	19.8	54	..	2.9	..	10.3	0	2	25	03	7	1	3	0	3	8	2	3	0
	1430	116	1011.9	998.8	..	28.6	21.2	16.4	19.2	49	..	3.3	..	13.5	0	8	20	03	6	1	0	0	2	11	5	2	0
	1730	116	1012.2	998.9	+0.3	25.0	20.3	17.4	20.4	64	+17	2.9	+1.6	5.0	0	0	24	07	3	0	0	0	3	8	3	6	0
	2030	116	1014.0	1000.5	..	20.9	18.7	17.1	20.0	79	..	2.5	..	2.7	0	0	15	02	6	0	0	2	3	1	1	15	0
	2330	116	1014.2	1000.7	..	18.7	17.6	16.9	19.7	89	..	2.5	..	2.9	0	0	16	01	2	3	5	5	0	0	0	14	0
SUPAUL	0830		..	..	..	19.6	18.5	17.8	20.4	89	..	0.5	..	0.9	0	0	14	00	1	11	1	0	0	0	1	16	0
	1730		..	..	..	22.3	21.3	20.7	24.6	91	..	0.1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
UTTAR PRADESH EAST																											
KHERI	0830	147	1014.7	997.5	-1.2	19.5	16.8	14.7	17.5	74	- 1	0.8	+0.4	1.2	0	0	11	00	0	3	0	0	0	8	0	19	0
	1730	147	1011.6	994.8	-0.7	24.7	18.8	14.6	17.5	55	- 5	0.9	+0.4	1.0	0	0	9	00	0	1	0	0	0	8	0	21	0
BAHRAICH	0830	124	1015.5	1000.8	+0.1	20.0	16.6	14.2	17.4	69	- 3	1.3	+0.7	26.3	1	0	17	02	1	5	2	0	0	5	3	12	0
	1730	124	1012.1	998.0	+0.1	24.4	18.7	14.7	17.3	55	+ 4	1.6	+0.9	1.1	0	0	9	00	0	1	0	0	2	2	4	21	0
NAUTANWA	0830	99	1015.5	1004.0	-0.8	19.6	17.6	16.2	18.3	81	- 3	1.0	+0.7	0.6	0	0	9	00	0	1	5	0	0	0	3	21	0
	1730	99	1012.1	1000.5	-0.9	24.2	19.5	16.3	18.9	61	+ 0	0.7	+0.4	0.1	0	0	2	00	0	0	0	0	0	0	2	28	0
HARDOI	0830	142	1015.5	999.0	+0.0	20.1	17.0	14.6	17.4	71	- 3	0.6	+0.2	1.3	0	0	14	00	0	0	0	1	1	10	2	16	0
	1730	142	1010.9	994.7	-1.5	23.9	19.6	16.8	19.6	65	+12	0.7	+0.1	0.7	0	0	8	00	0	0	0	0	0	7	1	22	0
GONDA	0830		(R)																								
	1730		(R)																								
LUCKNOW	0830	111	1017.7	1003.2	+0.5	20.0	16.8	14.3	17.1	72	+ 1	1.2	+0.6	0.0[d]	0	0	0	00	0	0	0	0	0	0	0	27	0
	1730	111	1011.8	999.2	-0.3	26.5	19.4	14.2	17.1	48	- 7	1.5	+0.9	0.0[c]	0	0	0	00	0	0	0	0	0	0	0	28	0
LUCKNOW (AMOUSI)	0230	128	1013.1	998.1	..	15.6	14.4	13.5	15.9	88	..	1.0	..	3.9	0	0	19	02	3	2	0	0	1	5	6	11	0
	0530	128	1013.4	998.3	..	14.4	13.5	12.8	15.2	90	..	0.9	..	3.0	0	0	20	04	2	1	0	1	2	3	7	10	0
	0830	128	1015.5	1000.6	-0.7	19.3	16.6	14.5	17.2	75	+ 9	2.0	+1.5	4.3	0	0	18	04	2	0	0	2	0	4	6	12	0
	1130	128	1014.8	1000.3	..	26.6	18.5	12.3	15.1	43	..	2.2	..	9.1	0	2	26	02	4	4	1	2	1	1	13	2	0
	1430	128	1012.1	997.7	..	27.9	18.6	11.3	14.1	38	..	2.9	..	12.0	0	5	23	02	4	4	0	0	0	4	14	2	0
	1730	128	1012.0	997.4	-0.8	24.2	18.3	14.0	16.7	55	+ 1	2.4	+1.8	4.9	0	0	20	02	0	2	0	0	1	8	7	10	0
	2030	128	1013.8	998.9	..	18.8	16.2	14.3	16.8	75	..	1.4	..	4.3	0	0	25	01	3	3	1	0	3	10	4	5	0
	2330	128	1014.0	999.0	..	16.7	15.1	13.9	16.2	83	..	1.3	..	3.7[b]	0	0	19	03	3	1	0	0	2	7	3	11	0
FAIZABAD	0830	102	1015.3	1003.4	-0.8	19.4	17.0	15.1	17.7	77	+ 0	2.3	+1.1	1.8[b]	0	0	17	01	0	3	1	0	0	12	0	12	0
	1730	102	1011.9	1000.2	-0.8	23.8	20.1	17.7	20.8	69	+ 1	2.4	+1.2	0.2	0	0	3	00	0	0	0	0	0	3	0	27	0
GORAKHPUR	0830	77	1015.2	1006.3	+0.2	21.4	17.8	15.1	17.5	68	- 1	2.8	+2.1	0.9	0	0	14	00	0	4	1	0	1	5	3	16	0
	1730	77	1012.0	1003.3	+0.4	25.8	19.4	15.0	17.6	53	- 2	2.2	+1.3	0.5	0	0	6	00	0	0	1	0	2	3	0	24	0
GORKHPUR P.B.O	0230	78	1012.6	1003.6	..	20.5	17.5	15.8	18.4	75	..	0.6	..	1.8	0	0	11	01	0	1	0	0	0	8	1	19	0
	0530	78	1012.9	1003.8	..	19.4	16.8	15.1	17.5	77	..	1.0	..	1.1	0	0	10	01	1	0	1	0	1	6	0	20	0
	1130	78	1014.4	1005.5	..	25.3	18.8	15.1	17.7	54	..	1.9	..	4.7	0	0	28	00	3	2	4	5	6	3	5	2	0
	1430	78	1011.7	1002.8	..	26.9	18.8	14.1	16.6	46	..	2.2	..	5.0	0	0	28	02	0	2	2	6	4	5	7	2	0
	2030	78	1013.4	1004.3	..	22.5	18.3	15.9	18.5	67	..	0.4	..	1.6	0	0	9	00	1	0	1	0	2	3	2	21	0
	2330	78	1013.4	1004.4	..	21.3	17.7	15.5	18.0	71	..	0.8	..	1.2	0	0	9	01	0	0	1	0	0	6	1	21	0
KANPUR	0830	126	1014.8	1000.2	-0.9	21.0	16.3	12.4	15.2	60	- 6	1.2	+0.5	22.2	1	0	19	05	2	2	0	0	0	8	2	11	0
	1730	126	1011.0	996.7	-1.5	25.0	17.9	12.4	14.9	46	+ 3	1.3	+0.6	2.2	0	0	12	03	2	1	0	0	0	4	2	18	0
KANPUR (AERODROME)	0530	126	1013.8	999.0	..	16.0	14.4	13.1	15.4	83	..	1.7	..	1.8	0	0	7	02	2	0	0	0	0	2	1	23	0
	0830	126	1015.6	1000.9	..	20.3	16.7	13.8	16.5	66	..	2.5	..	5.8	0	0	19	06	3	1	1	0	1	6	1	11	0
	1130	126	1015.2	1001.0	..	26.8	18.2	11.4	14.3	40	..	2.7	..	10.9[b]	0	2	26	11	3	6	1	0	0	3	3	1	1
	1730	126	1012.4	998.0	..	24.8	18.1	13.1	15.6	50	..	2.3	..	5.5	0	0	21	07	1	2	0	0	0	2	7	9	2
	2330	126	1014.1	999.4	..	18.3	15.7	13.5	16.0	74	..	1.1	..	1.3	0	0	4	00	1	2	0	0	0	1	0	26	0
SULTANPUR	0830	97	1015.3	1004.1	-1.0	23.2	18.6	15.5	18.2	63	- 2	2.2	+1.2	1.4	0	0	11	00	0	4	0	0	1	4	2	19	0
	1730	97	1011.9	1000.8	-0.5	26.3	20.0	16.1	18.8	55	+ 4	2.7	+1.7	0.6	0	0	9	00	1	2	0	0	0	6	0	21	0
AZAMGARH	0830	78	1015.1	1006.0	-0.1	20.9	18.2	16.1	18.9	75	+ 2	1.8	+1.5	1.9	0	0	15	00	1	2	0	0	1	11	0	15	0
	1730	78	1011.7	1002.8	+0.0	25.5	21.4	18.6	22.7	68	+ 4	1.2	+1.0	0.8	0	0	6	00	0	2	0	0	0	4	0	24	0
FATEHPUR	0830	114	..	..	..	21.1	17.7	15.3	17.8	70	+ 7	1.9	+1.1	1.7	0	0	18	01	0	8	0	0	0	8	1	12	0
	1730	114	..	..	..	25.2	19.5	15.7	18.3	56	+ 9	1.7	+0.8	0.3	0	0	4	00	0	1	0	0	0	2	1	26	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - NOVEMBER, 1960 (KARTIKA 30 - AGRAHAYANA 9, 1882 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or in gen. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mb.	Relative humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Cloud amount 00 or 0000	Wind speed 00 to 03	11 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																											
BALLIA	0830	64	1015.6	1008.3	-0.8	21.3	18.2	16.0	18.6	72	+ 1	2.1	+1.4	1.0	0	0	15	00	0	8	0	0	0	7	0	15	0
	1730	64	1012.3	1005.0	-0.7	25.7	21.2	18.6	22.0	66	+12	2.0	+1.2	0.1	0	0	2	00	0	2	0	0	0	0	0	28	0
BANDA	0830	121	(R)																								
	1730	121	(R)																								
ALLAHABAD (BAMHRAULI)	0230	98	1012.9	1001.4	+2.5	18.2	16.3	15.0	17.4	81	+32	1.8	+1.1	0.1	0	0	1	00	0	1	0	0	0	0	0	29	0
	0530	98	1013.4	1001.9	..	17.6	15.9	14.7	17.0	84	..	1.8	..	0.4	0	0	3	00	0	1	0	0	0	1	1	27	0
	0830	98	1015.3	1004.0	-0.4	20.9	17.8	15.7	18.1	72	+ 6	3.0	+1.9	1.3	0	0	10	00	3	1	0	0	0	6	0	20	0
	1130	98	1014.6	1003.5	..	27.6	19.5	15.6	16.5	44	..	3.0	..	4.1	0	0	22	00	5	3	2	0	1	6	5	8	0
	1430	98	1011.8	1000.8	..	29.4	19.6	15.2	15.8	41	..	3.3	..	5.3	0	0	25	04	9	1	0	0	0	3	8	5	0
	1730	98	1012.0	1000.9	-0.4	26.5	20.2	16.3	18.8	54	+ 9	3.0	+1.8	0.7	0	0	6	01	3	2	0	0	0	0	0	24	0
	2030	98	1013.6	1002.3	..	21.3	17.7	15.2	17.6	68	..	1.7	..	0.4	0	0	3	00	2	1	0	0	0	0	0	26	0
	2330	98	1013.6	1002.4	..	19.4	16.9	15.0	17.4	76	..	1.8	..	0.2	0	0	2	00	2	0	0	0	0	0	0	28	0
VARANASI (BABATPUR)	0530	85	1013.8	1003.7	..	16.7	15.7	14.9	17.3	89	..	2.4	..	1.3	0	0	5	00	1	1	0	0	2	1	0	25	0
	0830	85	1015.8	1005.9	-0.6	21.1	17.9	15.8	18.3	71	+ 8	2.6	+1.8	3.5	0	0	17	02	1	2	0	0	2	6	1	13	3
	1130	85	1015.0	1005.2	..	27.1	19.2	13.5	16.0	45	..	2.3	..	6.3	0	0	27	01	3	3	2	1	2	8	5	3	2
	1730	85	1012.3	1002.5	-0.8	25.1	19.2	15.1	17.5	55	+ 7	2.7	+1.6	3.3	0	0	20	01	2	1	0	0	1	4	1	10	8
	2330	85	1014.1	1004.0	..	18.7	16.8	15.3	17.8	81	..	1.8	..	2.3	0	0	8	00	1	3	0	0	0	2	1	22	1
VARANASI	0830	76	1015.2	1006.4	-0.3	21.1	18.2	16.2	18.8	74	+ 7	1.8	+0.8	1.3	0	0	19	01	4	1	1	1	2	8	1	11	0
	1730	76	1011.5	1002.9	-0.6	26.5	19.9	15.6	18.1	52	+ 5	3.3	+2.5	1.3	0	0	18	01	5	0	3	0	2	5	2	12	0
UTTAR PRADESH WEST																											
MUKHIM	0830		..	..	..	14.3	9.7	5.4	9.3	56	+ 3	1.2	..	2.1	0	0	13	04	2	3	1	0	0	2	1	17	0
	1730		..	..	..	13.9	10.5	7.3	10.6	66	+ 9	1.3	..	3.2	0	0	16	04	1	3	0	0	0	5	3	14	0
TEHRI	0830	770	..	..	..	13.2	12.0	11.0	15.2	86	+ 5	0.5	-1.0	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1130	770	..	..	..	20.1	13.8	8.5	11.2	47	..	0.9	..	0.3	0	0	3	00	0	1	1	1	0	0	0	27	0
	1730	770	..	..	..	22.3	14.6	8.2	11.0	41	-12	0.8	-0.6	1.3	0	0	18	00	1	2	7	1	7	0	0	12	0
DEHRA DUN	0530	682	1015.5	937.0	..	12.5	11.0	9.6	12.3	82	..	0.5	..	1.2	0	0	9	06	1	0	0	0	0	0	2	28	0
	0830	682	1016.2	937.9	-0.2	14.8	12.4	10.4	13.1	76	+ 6	0.5	-0.4	0.5	0	0	6	05	0	0	0	0	0	1	0	24	0
	1130	682	1014.5	936.8	..	23.1	16.0	10.6	13.2	46	..	1.0	..	3.3	0	0	23	00	0	0	0	0	5	11	6	0	T
	1730	682	1012.1	936.3	+0.1	22.1	16.8	13.0	15.5	66	- 5	1.2	+0.0	0.4	0	0	5	00	0	0	0	0	2	2	1	0	25	0
	2330	682	1015.5	937.7	..	14.6	12.6	10.8	13.4	79	..	0.4	..	1.2	0	0	8	04	2	0	0	0	0	0	2	22	0
MANSIARI	0830		(R)																								
	1730		(R)																								
ROORKEE	0830	274	1015.7	983.7	+0.0	16.3	13.5	11.0	13.7	71	- 3	0.5	-0.5	0.4	0	0	6	00	0	0	1	0	0	0	5	24	0
	1730	274	1011.4	980.5	-1.1	25.0	17.1	10.7	13.3	41	- 5	0.4	-0.9	0.4	0	0	6	00	0	0	0	0	0	0	6	24	0
NAJIBABAD	0830	270	1016.7	984.7	-0.1	15.5	13.6	12.0	14.6	80	- 1	0.9	+0.3	0.8	0	0	8	00	0	4	2	0	0	2	0	22	0
	1730	270	1012.7	982.1	-0.5	24.1	17.7	12.7	15.3	50	- 5	0.5	-0.1	1.1	0	0	8	01	0	1	0	0	1	4	1	22	0
MEERUT	0830	222	1016.0	990.1	-0.4	17.0	14.3	11.8	14.4	72	+ 9	0.0	-0.3	1.0	0	0	6	01	0	1	0	0	0	3	1	24	0
BAREILLY	0830	173	1016.0	995.7	+0.3	18.0	15.7	13.8	16.5	77	+ 7	1.7	+1.1	2.6	0	0	25	01	0	7	1	0	1	12	3	4	0
	1730	173	1012.0	992.2	+0.1	23.9	18.5	14.8	17.4	58	+11	1.5	+0.7	1.7	0	0	19	03	0	2	0	0	0	14	0	13	0
BAREILLY P.B.O.	0230	172	1013.1	993.0	..	17.9	14.8	12.4	15.2	71	..	1.0	..	1.7	0	0	13	00	2	1	1	0	0	4	5	17	0
	0530	172	1013.3	993.1	..	16.5	14.4	12.7	15.5	79	..	0.9	..	2.1	0	0	18	01	2	2	0	0	0	8	5	12	0
	1130	172	1015.0	995.3	..	23.9	17.4	13.2	15.8	52	..	1.8	..	4.8	0	0	25	01	1	2	4	0	1	9	7	5	0
	1430	172	1012.1	992.6	..	26.5	17.3	11.2	14.1	40	..	2.9	..	6.3	0	0	27	02	0	1	4	0	0	8	12	3	0
	2030	172	1013.5	993.5	..	20.5	16.2	13.3	16.0	64	..	0.8	..	1.1	0	0	9	00	1	0	0	0	1	7	0	21	0
	2330	172	1013.8	993.8	..	18.8	15.1	12.6	14.9	68	..	1.0	..	1.3	0	0	10	00	0	1	0	0	1	6	2	20	0
ALIGARH	0830	187	1016.3	994.1	+0.1	17.6	14.0	10.7	13.5	65	+ 8	1.9	+1.3	1.1	0	0	14	00	0	2	0	0	1	9	2	16	0
	1730	187	1013.0	991.2	+0.0	24.8	17.8	12.3	14.8	47	+10	2.8	+2.1	1.3	0	0	15	01	1	2	0	0	0	11	0	15	0
MAINPURI	0830	157	1015.8	997.4	+0.0	18.9	16.5	14.9	17.4	78	+15	1.1	+0.4	1.2	0	0	12	00	0	2	0	0	0	10	0	18	0
	1730	157	1012.5	994.6	+0.1	24.2	19.8	16.6	19.6	63	+19	1.3	+0.5	0.3	0	0	3	00	0	0	0	0	0	3	0	27	0
AGRA	0830	169	1016.1	996.4	+0.0	18.5	14.8	11.7	14.2	66	+ 5	0.8	+0.2	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730	169	1012.5	993.4	+0.0	24.9	18.8	14.6	17.0	53	+20	1.9	+1.2	0.6	0	0	4	00	1	0	0	0	0	0	3	26	0
AGRA AERODROME	0230	169	1013.8	994.0	..	16.1	14.2	12.3	14.6	79	..	0.5	..	0.9	0	0	4	00	1	2	0	0	0	1	0	26	0
	0530	169	1014.6	994.7	..	14.2	12.8	11.5	13.9	83	..	0.9	..	1.4	0	0	5	01	0	1	1	0	0	2	0	25	0
	0830	169	1016.2	996.5	..	18.7	15.5	12.9	15.4	70	..	1.1	..	2.0	0	0	7	02	0	0	2	0	0	8	1	23	0
	1130	169	1015.7	996.5	..	26.3	18.0	11.7	14.6	43	..	2.3	..	3.1	0	0	14	03	1	2	2	2	1	0	3	16	0
	1730	169	1012.6	993.5	..	24.9	18.4	13.3	15.8	49	..	2.4	..	3.0	0	0	15	07	0	2	2	0	0	3	2	19	0
	2330	169	1014.6	994.9	..	17.3	14.9	12.8	15.2	75	..	0.6	..	1.5	0	0	6	01	0	2	1	0	0	1	1	24	0
ORAI	0830		(R)																								
	1730		(R)																								
JHANSI	0830	251	1015.7	986.9	-0.3	20.6	16.5	13.4	15.8	63	+12	1.7	+0.9	0.2	0	0	3	01	0	0	0	0	0	2	0	27	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - NOVEMBER, 1969 KARTIKA 10 - AGRAHAYANA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST(CONTD.)																											
JHANSI	1730	251	1010.7	982.7	-1.5	26.3	19.6	15.3	17.6	53	+21	2.1	+1.3	0.6	0	0	8	00	0	1	0	2	0	5	0	22	0
MORADABAD	0830	198	..	..	..	16.8	14.8	13.0	15.7	79	..	0.3	..	2.5	0	0	19	00	6	0	2	0	0	0	11	11	0
	1730	198	..	..	..	25.4	20.4	17.3	20.1	61	..	0.7	..	3.8	0	0	20	00	1	0	1	0	0	0	18	10	0
UTTAR KASHI	0830		(R)																								
	1730		(R)																								
ASCOT	0830		..	..	..	12.5	9.2	6.2	9.6	66	..	1.0	..	1.7[b]	0	0	24	01	3	16	1	1	1	1	0	5	0
	1730		..	..	..	15.9	10.8	6.3	10.1	54	..	1.0	..	1.8	0	0	25	00	0	0	0	0	2	22	1	5	0
DHARCHULA	0830		000.0	928.6	.. ..	..	.	..	..	.	..	0.5	..	0.1	0	0	1	00	1	0	0	0	0	0	0	27	0
	1730		000.0	920.3	.. ..	..	..	..	..	.	..	0.5	..	1.2	0	0	10	03	5	1	0	0	0	1	0	20	0
HARYANA(INCLUDING DELHI AND CHANDIGARH)																											
CHANDIGARH	0830	347	1014.1	974.1	-1.5	20.3	16.4	12.8	16.3	63	+ 5	1.0	+0.6	1.0	0	0	13	00	7	0	0	0	0	0	6	17	0
	1730	347	1011.8	972.3	-0.9	24.3	19.8	15.3	20.5	64	+23	0.8	+0.3	2.1	0	0	20	00	0	0	0	0	0	0	20	10	0
AMBALA	0830	272	1015.5	983.8	+0.1	16.2	13.4	10.9	13.5	70	+ 2	0.0	-0.7	1.8	0	0	22	00	2	0	10	0	6	0	4	8	0
	1730	272	1012.1	981.0	-0.2	24.6	16.7	9.8	13.0	41	+ 2	0.0	-0.7	1.5	0	0	22	00	1	0	6	0	2	0	13	8	0
AMBALA P.B.O.	0230	278	1014.0	981.6	..	17.0	14.3	12.5	14.7	75	..	0.1	..	1.8	0	0	7	01	0	0	0	0	0	0	6	23	0
	0530	278	1014.0	981.4	..	15.3	12.9	11.2	13.6	77	..	0.3	..	2.0	0	0	9	00	0	0	1	0	0	0	8	21	0
	1130	278	1015.3	983.6	..	24.2	19.1	16.3	18.9	62	..	1.0	..	4.2	0	0	16	00	0	0	3	1	0	0	12	14	0
	1430	278	1012.5	981.1	..	25.8	19.2	15.6	18.0	55	..	1.2	..	5.7	0	0	24	02	0	0	3	1	0	2	16	6	0
	2030	278	1013.7	981.8	..	20.8	16.9	14.6	16.8	68	..	0.2	..	2.2	0	0	10	01	0	0	0	0	0	1	8	20	0
	2330	278	1014.5	982.1	..	18.4	15.3	13.4	15.6	73	..	0.2	..	3.5	0	0	14	00	0	0	1	0	0	1	12	16	0
AMBALA AERODROME	0530	274	1014.7	981.9	..	9.9	9.2	8.6	11.6	92	..	0.2	..	2.2	0	0	6	00	0	0	0	0	0	5	1	24	0
	0830	274	1016.0	983.6	..	13.3	12.2	11.1	13.8	86	..	1.1	..	3.4	0	0	12	00	0	4	0	0	0	6	2	18	0
	1130	274	1015.1	984.0	..	25.3	17.6	11.1	14.1	43	..	1.0	..	9.8	0	1	21	00	1	0	7	0	0	7	7	8	0
	1730	274	1012.5	981.1	..	21.8	17.0	13.1	16.0	59	..	1.5	..	5.2	0	0	18	00	0	0	0	0	3	12	3	12	0
	2330	274	1015.0	982.6	..	12.4	11.3	9.9	12.9	86	..	0.2	..	2.7	0	0	8	00	0	0	0	0	0	6	2	22	0
KARNAL	0830	249	1015.9	986.9	+0.1	17.8	14.1	11.0	13.7	64	+ 0	0.3	-0.4	1.9[b]	0	0	21	00	1	4	0	1	5	8	2	8	0
	1730	249	1012.1	983.8	-0.9	24.8	16.8	10.3	13.2	41	+ 0	0.4	-0.5	2.2	0	0	27	00	0	0	0	0	4	20	3	3	0
HISSAR	0530	221	1014.8	988.5	..	13.4	12.3	11.0	14.0	86	..	0.8	..	2.1	0	0	18	04	1	1	3	2	2	3	2	12	0
	0830	221	1016.3	990.4	+0.1	16.1	14.0	12.0	15.0	78	+17	1.6	+1.1	1.9	0	0	17	01	0	0	7	1	3	3	2	13	0
	1130	221	1015.7	990.6	..	26.0	19.9	15.7	18.9	54	..	1.4	..	3.2	0	0	17	06	0	1	2	1	2	1	4	13	0
	1430	221	1013.0	988.2	..	28.3	21.0	16.1	19.5	49	..	1.2	..	4.3	0	0	20	09	2	3	0	0	2	1	3	10	0
	1730	221	1012.7	987.8	+0.1	26.3	20.3	16.3	19.5	55	+18	1.5	+0.8	1.9	0	0	17	05	2	2	3	1	0	0	4	13	0
	2330	221	1015.1	989.1	..	16.0	14.0	12.0	15.0	78	..	0.5	..	2.5	0	0	19	04	2	4	2	0	1	5	1	11	0
NEW DELHI/SAFDARJUNG	0230	216	1014.0	988.7	..	16.4	13.9	11.7	14.4	74	..	0.6	..	3.3	0	0	15	00	0	0	2	0	2	6	5	15	0
	0530	216	1014.3	988.8	..	15.0	12.7	10.3	13.3	74	..	1.1	..	3.5	0	0	19	00	1	1	0	0	9	6	2	11	0
	0830	216	1016.1	990.8	+0.3	17.5	14.0	10.7	13.5	65	+17	2.1	+1.3	6.1	0	0	27	00	2	1	1	2	8	12	1	3	0
	1130	216	1015.4	990.8	..	25.8	17.5	10.9	13.6	40	..	1.5	..	8.4	0	1	27	01	2	1	2	1	5	9	7	2	0
	1430	216	1012.7	988.3	..	28.1	18.0	9.8	12.6	33	..	1.7	..	10.7	0	2	28	01	2	3	0	1	0	11	11	0	1
	1730	216	1012.4	987.9	+0.1	25.6	17.6	11.4	13.9	42	+11	1.9	+0.9	5.5	0	1	23	01	0	0	2	0	0	9	12	6	0
	2030	216	1014.3	989.2	..	19.7	15.4	11.9	14.4	61	..	1.1	..	3.3	0	0	21	00	1	0	2	1	4	6	7	9	0
	2330	216	1014.7	989.4	..	17.4	14.3	11.5	14.1	69	..	0.8	..	3.0	0	0	16	00	0	0	1	2	3	4	6	14	0
PALAM AERODROME	0230	233	1014.3	987.0	..	15.5	12.5	9.2	12.4	68	..	0.3	..	4.3	0	0	17	01	2	2	2	0	6	3	1	13	0
	0530	233	1014.5	987.1	..	13.9	11.5	8.8	12.0	72	..	0.4	..	5.6	0	0	21	00	0	3	2	0	11	4	1	9	0
	0830	233	1015.9	989.0	..	17.4	13.1	9.1	12.4	61	..	1.6	..	6.9	0	0	23	00	0	1	2	0	4	14	2	7	0
	1130	233	1015.5	989.0	..	25.4	16.7	8.9	12.3	37	..	1.4	..	10.1	0	1	25	09	1	1	3	0	1	4	7	4	0
	1430	233	1012.8	986.6	..	27.9	17.2	7.4	11.4	29	..	1.3	..	14.0[b]	0	3	26	11	2	1	1	1	2	1	10	0	0
	1730	233	1012.5	986.1	..	25.4	16.6	8.8	12.3	37	..	1.5	..	8.4	0	0	27	12	3	1	2	1	0	0	8	3	0
	2030	233	1014.2	987.3	..	19.9	14.4	9.1	12.4	51	..	0.7	..	5.7	0	0	20	03	4	0	3	2	3	1	4	10	0
	2330	233	1014.7	987.6	..	17.3	13.3	9.2	12.5	60	..	0.4	..	5.4	0	0	18	01	1	4	2	2	3	2	3	12	0
GURGAON	0830		..	..	..	18.2	13.5	9.0	12.0	56	..	1.9	..	0.0[b]	0	0	0	00	0	0	0	0	0	0	0	29	0
	1730		..	..	..	27.0	17.3	9.3	12.2	34	..	1.8	..	0.1	0	0	1	00	0	0	0	0	0	0	1	29	0
NARNAUL	0830	308	1017.2	981.4	..	18.1	13.7	9.8	12.7	59	..	0.0	..	1.7	0	0	23	05	0	0	0	4	1	1	12	7	0
	1730	308	1013.0	978.1	..	23.4	18.2	14.6	17.6	58	..	0.0	..	1.7	0	0	23	04	1	2	2	8	2	3	1	7	0
ROHTAK	0830	219	..	..	..	15.8	12.6	9.3	12.5	66	..	2.6	..	4.8[k]	0	0	20	01	2	1	1	1	1	5	6	3	0
	1730	219	..	..	..	24.2	17.3	12.1	14.9	47	..	3.0	..	7.6[k]	0	0	20	04	2	1	2	0	3	3	5	0	0
PUNJAB																											
PATHANKOT	0530	312	1015.4	978.3	..	10.6	9.4	8.0	11.1	85	..	0.4	..	3.7	0	0	15	06	4	3	1	1	0	0	0	15	0
	0830	312	1016.3	979.8	+0.1	15.4	12.4	9.6	12.3	69	+ 9	2.2	+0.3	4.9	0	0	20	03	10	4	2	0	1	0	0	10	0
	1130	312	1015.7	980.4	..	24.8	16.2	8.6	11.5	37	..	2.0	..	6.9	0	0	25	01	0	4	6	11	1	0	1	5	1
	1730	312	1012.9	977.4	-0.9	23.0	16.1	10.3	12.9	45	- 4	2.1	-0.5	6.7[b]	0	0	26	03	0	0	0	0	2	19	2	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - NOVEMBER, 1969 KARTIKA 10 - AGRAHAYANA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or ht. in gpm. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud @ Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
PUNJAB (CONTD)																											
PATHANKOT	2330	312	1015.9	979.1	..	12.6	10.7	9.1	11.9	80	..	0.4	..	3.3	0	0	10	00	9	0	0	0	1	0	0	20	0
AMRITSAR	0530	234	1015.2	987.2	..	10.7	9.6	8.6	11.7	87	..	0.6	..	5.3	0	0	25	05	3	3	0	0	1	5	8	5	0
	0830	234	1016.6	988.9	-0.1	13.5	11.9	10.4	13.1	82	+ 3	1.5	+0.1	4.1	0	1	21	01	3	5	2	1	1	4	5	8	0
	1130	234	1016.2	989.5	..	24.3	16.4	9.8	12.7	40	..	1.6	..	5.1	0	1	17	01	1	2	1	1	1	3	8	12	0
	1430	234	1013.6	987.2	..	27.1	17.1	8.4	11.7	31	..	1.6	..	10.3	0	2	25	01	0	1	0	1	1	11	12	3	0
	1730	234	1013.2	986.5	-0.3	23.4	16.4	10.6	13.3	44	- 1	1.5	+0.0	7.1	0	0	26	01	0	1	0	0	1	14	9	4	0
	2030	234	1015.1	987.6	..	15.7	12.9	10.3	15.6	0	..	0.9	..	6.1	0	0	25	03	3	1	0	0	0	13	5	5	0
ADAMPUR AERODROME	0830	249	1016.4	987.0	..	13.6	11.7	9.9	12.8	79	..	1.5	..	4.6	0	0	17	04	3	4	2	0	0	1	3	13	0
	1730	249	1013.4	985.0	..	22.1	16.6	12.4	14.9	54	..	1.9	..	12.8	0	0	30	03	0	0	1	0	0	3	23	0	0
LUDHIANA	0830	247	1016.4	987.3	+0.0	17.5	13.3	9.4	12.4	60	- 4	0.5	-0.3	0.8	0	0	10	00	0	0	3	0	1	0	6	20	0
	1730	247	1012.6	984.6	-0.2	23.8	16.3	10.1	12.8	42	+ 3	0.0	-1.0	0.9	0	0	10	00	2	0	0	0	0	0	8	20	0
FEROZEPUR	0830	200	1016.9	993.5	+0.7	17.7	14.4	11.5	14.4	68	-11	0.8	-0.2	0.7	0	0	8	05	0	0	0	0	0	2	1	21	0
	1730	200	1014.2	991.5	+1.2	25.7	17.8	11.8	14.6	45	- 5	0.7	-0.6	1.5	0	0	17	16	1	0	0	0	0	0	0	13	0
HALWARA AERODROME	0530	242	1015.1	986.3	..	10.4	9.8	9.0	12.1	91	..	1.1	..	4.2	0	0	10	03	0	0	1	0	0	2	4	20	0
	0830	242	1016.3	987.9	..	15.3	12.8	10.4	13.2	73	..	1.3	..	6.0	0	1	16	08	0	1	0	1	1	2	4	13	0
	1130	242	1015.8	988.4	..	25.4	16.5	8.7	11.9	36	..	1.2	..	12.5	0	1	29	11	0	1	1	1	0	6	10	0	0
	1730	242	1013.1	985.5	..	23.3	15.9	9.4	12.4	42	..	1.6	..	10.8	0	0	29	06	0	1	0	0	1	13	8	1	0
	2330	242	1015.6	986.9	..	12.8	11.2	9.8	12.6	82	..	0.3	..	6.8	0	0	21	05	0	1	0	0	0	8	7	8	0
PATIALA	0830	251	1016.3	986.6	-0.2	15.7	13.1	10.8	13.5	74	+12	1.0	-0.1	3.3	0	0	11	00	0	0	3	0	0	0	8	19	0
	1730	251	1012.6	984.2	-0.4	25.5	16.9	9.3	12.6	37	- 8	0.7	-0.6	4.3	0	0	16	00	0	0	10	0	0	0	6	12	0
BHATINDA	0830	211	1016.1	991.6	..	19.9	14.5	9.7	12.7	52	-15	0.3	-0.5	1.7	0	0	15	01	1	0	4	0	2	0	7	15	0
	1730	211	1012.5	988.6	..	26.2	17.6	10.9	13.5	39	-13	0.2	-0.8	0.9	0	0	12	03	2	0	0	0	0	0	7	18	0
HIMACHAL PRADESH																											
MANDI	0830	761	1019.4	931.3	+0.1	11.4	9.1	7.0	10.0	74	-19	1.1	-1.0	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	761	1013.3	928.1	+1.7	19.2	12.2	5.5	9.3	42	-20	1.6	-0.1	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BILASPUR	0830	587	1018.4	949.8	-1.6	12.1	10.7	9.6	12.2	85	- 7	1.0	-4.3	0.1	0	0	1	00	0	1	0	0	0	0	0	29	0
	1730	587	1012.8	947.2	-0.7	22.7	15.2	9.4	12.0	43	- 7	0.8	-1.3	2.1	0	0	18	02	9	2	1	1	3	0	0	12	0
JAMMU AND KASHMIR																											
MISGAR	0830		(R)																								
	1730		(R)																								
GILGIT	0830		(R)																								
	1730		(R)																								
SKARDU	0830		(R)																								
	1730		(R)																								
LEH	0530		(R)																								
	0830		(R)																								
	1730		(R)																								
SRINAGAR	0230	1587	1538.0	845.0	..	4.3	3.6	2.8	7.7	90	..	1.4	..	1.3	0	0	14	01	0	0	4	0	0	0	9	16	0
	0530	1587	1538.6	845.1	..	3.1	2.6	2.1	7.3	93	..	1.5	..	1.6	0	0	15	00	0	0	10	0	0	0	5	15	0
	0830	1587	1551.4	846.5	+0.0	4.2	3.6	2.8	7.6	91	+ 6	2.2	-0.6	1.6	0	0	18	00	1	1	10	1	1	0	4	12	0
	1130	1587	1551.0	846.5	..	11.7	7.9	4.0	8.4	62	..	2.2	..	1.7	0	0	17	00	1	0	3	1	0	2	10	13	0
	1430	1587	1526.3	844.1	..	14.5	9.3	4.3	8.5	51	..	2.8	..	3.3	0	0	27	03	0	0	1	0	2	2	19	3	0
	1730	1587	1521.6	843.5	+0.0	11.7	8.3	4.9	8.9	64	+10	2.8	-0.1	1.9	0	0	16	00	0	0	1	0	2	0	13	14	0
	2030	1587	1531.4	844.4	..	6.9	5.8	4.3	8.5	83	..	1.6	..	1.2	0	0	13	00	0	0	1	0	0	0	12	17	0
	2330	1587	1537.1	845.0	..	5.5	4.7	3.8	8.2	88	..	1.6	..	0.9	0	0	11	00	0	0	3	0	1	0	7	19	0
SRINAGAR AERODROME	0530	1666	1540.6	837.2	..	2.7	1.6	0.2	6.3	82	..	1.7	..	3.0	0	0	10	00	0	0	1	1	2	4	1	20	1
	0830	1666	1552.6	838.5	..	5.5	3.9	1.3	6.9	75	..	2.9	..	3.1	0	0	12	02	0	0	0	4	2	1	2	18	1
	1130	1666	1553.1	838.8	..	11.2	7.4	3.6	8.1	60	..	2.9	..	5.6	0	0	21	08	5	4	0	0	1	0	3	9	0
	1730	1666	1525.8	835.8	..	11.7	7.7	3.7	8.2	59	..	3.1	..	5.1	0	0	15	05	0	0	0	1	0	3	6	15	0
	2330	1666	1538.8	837.2	..	4.9	3.3	1.3	6.9	78	..	1.6	..	5.5	0	0	20	02	1	0	0	1	9	5	2	10	0
GULMARG	0830		(R)																								
	1730		(R)																								
QAZIGUND	0830	1690	..	..	..	4.1	3.2	2.1	7.2	87	..	2.5	..	3.3	0	0	23	01	8	8	1	2	1	2	0	7	0
	1730	1690	..	..	..	12.0	8.8	5.4	9.6	66	..	2.2	..	4.3	0	0	29	01	0	1	0	9	3	15	0	1	0
BANIHAL	0830	1630	1533.5	840.2	..	6.1	4.3	1.8	7.1	74	..	0.9	..	0.7	0	0	3	03	0	0	0	0	0	0	0	28	0
	1730	1630	1501.7	837.3	..	14.5	9.1	3.6	8.3	50	..	1.5	..	1.6	0	0	5	05	0	0	0	0	0	0	0	25	0
JAMMU	0830		*																								
	1730																										
JAMMU AERODROME	0530	292	1015.1	980.6	..	14.1	10.9	7.5	10.7	65	..	0.5	..	6.1	0	0	17	03	11	2	1	0	0	0	0	13	0
	0830	292	1016.6	982.2	..	15.5	11.6	7.6	10.8	60	..	2.2	..	6.8	0	0	25	01	19	4	0	0	0	0	1	5	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - NOVEMBER, 1969 KARTIKA 10 - AGRAHAYANA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gms. of mean standard hydrostatic level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD.)																											
JAMMU AERODROME	1130	292	1016.1	982.7	..	24.6	16.0	8.3	11.4	36	..	2.0	..	4.4	0	0	19	00	6	3	1	3	3	3	0	11	0
	1730	292	1013.4	979.9	..	22.6	16.3	11.2	13.8	49	..	1.8	..	1.2	0	0	7	00	0	0	0	0	1	4	2	23	0
	2330	292	1015.6	981.2	..	15.4	11.8	8.2	11.2	62	..	0.6	..	4.7	0	0	16	00	14	1	0	0	1	0	0	14	0
GULMARG (RESEARCH INSTITUTE)	0830		3124.0	742.2	..	1.8	- 0.7	- 5.0	4.6	62	..	2.8	..	2.9	0	0	27	01	0	4	0	0	0	17	4	3	1
	1130		3138.3	742.8	..	6.6	3.4	- 0.8	5.9	60	..	3.2	..	3.4	0	0	29	02	0	8	4	0	2	11	0	0	2
	1730		3118.2	741.3	..	4.3	1.5	- 2.6	5.3	65	..	3.0	..	2.9	0	0	29	01	2	2	0	1	0	16	7	1	0
RAJASTHAN, WEST																											
GANGANAGAR	0530	177	1014.5	993.5	..	13.3	11.0	8.6	11.7	73	..	0.2	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	0830	177	1016.3	995.4	+0.2	14.5	11.5	8.4	11.8	67	+ 8	0.3	-0.3	0.3	0	0	4	01	1	1	1	0	0	0	0	26	0
	1130	177	1016.0	995.9	..	26.2	16.5	7.5	11.3	32	..	0.5	..	0.9	0	0	13	03	2	2	2	1	1	0	2	17	0
	1730	177	1012.8	992.7	+0.3	26.7	17.6	10.1	13.1	37	+ 2	1.2	+0.5	0.2	0	0	2	00	0	0	0	0	0	0	2	28	0
	2330	177	1015.1	994.3	..	16.3	12.5	9.0	12.0	62	..	0.1	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
ANUPGARH	0830		(R)																								
	1730		(R)																								
CHURU	0830	291	1016.7	982.7	-0.9	16.5	12.7	8.9	12.1	62	+ 1	1.1	+0.1	2.0	0	0	15	01	2	5	0	1	2	4	0	15	0
	1730	291	1012.7	979.9	-1.0	27.0	18.6	12.1	15.0	42	+ 7	1.7	+0.4	4.9	0	0	28	20	3	2	0	1	0	2	0	2	0
BIKANER	0830	224	1016.2	990.1	+0.3	19.0	12.2	4.6	9.2	39	-10	1.2	+0.7	3.7	0	0	19	00	2	4	6	4	3	0	0	11	0
	1730	224	1012.4	987.1	-0.4	28.2	17.7	8.6	12.4	31	+ 0	2.1	+1.0	6.3	0	1	25	08	11	2	0	0	0	0	5	4	0
BIKANER P.B.O.	0530	224	1014.1	988.0	..	13.9	9.7	4.3	9.1	54	..	0.6	..	0.7	0	0	4	01	2	0	1	0	0	0	0	26	0
	1130	224	1015.2	989.9	..	27.9	16.7	6.3	10.5	27	..	0.9	..	4.1	0	0	26	02	3	7	6	4	2	2	0	4	0
	1430	224	1012.4	987.2	..	30.3	17.6	6.6	10.4	23	..	1.4	..	3.7	0	0	25	05	7	5	2	1	1	2	2	5	0
	2030	224	1014.3	988.3	..	21.3	13.8	6.2	10.2	37	..	0.4	..	2.7	0	0	13	06	6	0	0	0	0	0	1	17	0
	2330	224	1014.7	988.6	..	18.6	11.8	3.8	8.7	39	..	0.6	..	3.4	0	0	15	02	10	2	0	0	0	0	1	15	0
NAGAUR	0830	298	1015.9	981.8	-0.4	22.1	15.7	10.2	13.2	49	+ 2	1.0	-0.1	6.1	0	1	27	02	6	7	6	3	3	1	0	2	0
	1730	298	1011.1	977.8	-0.5	28.7	20.7	15.5	18.2	45	+ 8	1.8	+0.5	7.4	0	0	29	08	9	4	1	1	2	0	4	1	0
PHALODI	0830	234	1015.2	988.2	-0.3	19.4	12.4	3.8	9.2	38	-15	1.5	+0.8	6.1	0	0	25	02	5	6	5	2	3	2	0	5	0
	1730	234	1012.6	986.5	+0.1	29.3	17.4	6.3	10.5	25	-12	2.2	+1.3	6.7	0	1	29	13	7	0	1	0	2	0	7	0	0
JAISALMER	0830	242	1014.9	986.8	-1.1	18.4	13.6	8.6	12.2	53	+ 1	0.4	-0.2	8.7	0	2	23	04	15	1	2	0	3	0	0	5	0
	1730	242	1011.2	984.2	-0.7	29.6	20.2	13.7	16.7	39	+ 0	0.9	+0.2	9.1	0	1	28	10	10	0	3	0	2	0	4	1	0
JODHPUR	0230	224	1013.1	987.3	..	21.3	13.3	4.3	9.0	35	..	0.8	..	13.7	0	3	25	05	20	1	0	0	0	2	0	2	0
	0530	224	1013.4	987.4	..	19.4	12.6	4.8	9.3	40	..	1.1	..	11.0	0	2	24	03	22	0	0	0	0	0	1	3	0
	0830	224	1015.4	989.3	-0.6	19.5	12.8	5.3	9.6	41	+ 3	1.8	+0.9	11.1	0	4	20	01	22	1	0	0	0	0	0	6	0
	1130	224	1014.6	989.4	..	29.2	17.5	7.3	10.7	26	..	1.7	..	13.4	0	4	26	01	7	8	6	2	2	1	3	0	0
	1430	224	1011.3	986.5	..	32.5	18.0	4.8	9.0	19	..	2.2	..	12.8	0	3	26	02	8	6	0	2	2	2	6	1	1
	1730	224	1011.0	986.0	-0.9	30.7	17.7	6.2	9.7	22	+ 0	2.3	+1.2	10.2	0	0	30	08	4	5	1	0	1	4	7	0	0
	2030	224	1013.0	987.5	..	25.4	15.6	6.2	10.0	30	..	1.1	..	11.8	0	2	26	11	13	1	0	0	1	2	0	2	0
	2330	224	1013.6	987.8	..	23.2	14.2	4.3	8.9	31	..	1.1	..	14.9	0	4	25	05	18	3	0	0	0	2	1	1	0
BARMER	0530	194	1012.2	989.8	..	21.0	14.4	8.2	11.3	46	..	0.9	..	4.7	0	0	28	02	5	2	0	4	0	3	12	2	0
	0830	194	1014.3	991.8	-1.0	21.0	14.6	8.8	11.8	46	+ 0	1.9	+1.0	4.3	0	0	27	05	2	1	0	3	1	4	11	3	0
	1130	194	1014.1	991.9	..	28.4	17.9	9.5	12.1	31	..	1.1	..	4.5	0	0	28	03	11	4	2	2	1	2	3	2	0
	1730	194	1010.3	988.6	-1.2	30.7	18.9	9.9	12.5	27	- 2	1.9	+0.8	3.3	0	0	26	05	12	1	0	0	3	3	2	4	0
	2330	194	1012.9	990.7	..	24.3	15.8	8.3	11.2	36	..	0.9	..	4.4	0	0	25	03	3	0	0	0	0	4	0	15	5
JAMAI BANDH	0830	295	1015.2	981.3	-0.8	20.6	15.6	11.5	14.0	58	-12	2.1	+0.8	0.6	0	0	8	00	1	0	3	2	1	1	0	22	0
	1730	295	1011.2	978.5	-0.7	29.7	18.8	10.3	12.9	31	-12	3.3	+1.9	1.1	0	0	10	03	2	0	1	1	1	1	1	20	0
JALORE	0830		..	..	..	21.6	14.3	6.8	11.0	41	..	0.8	..	2.8	0	0	24	02	2	1	2	1	1	5	10	6	0
	1730		..	..	..	31.0	18.1	7.3	10.6	23	..	0.8	..	4.5	0	0	28	02	5	2	1	0	0	3	15	2	0
RAJASTHAN, EAST																											
PILANI	0830	301	1016.9	981.7	-0.3	15.9	11.5	6.6	10.5	56	+ 4	1.8	+1.3	4.1	0	0	20	00	1	2	4	3	7	3	0	10	0
	1730	301	1012.7	978.9	-1.1	27.0	16.6	7.1	10.6	29	- 6	2.1	+1.3	4.1	0	0	21	06	4	4	1	0	1	0	5	8	0
SIKAR	0830	433	1016.1	966.5	-0.4	17.0	12.9	8.9	12.0	59	- 5	0.5	-0.2	0.1	0	0	1	00	0	0	1	0	0	0	0	29	0
	1730	433	1011.1	963.1	-1.3	27.4	17.7	10.0	12.7	35	-18	0.9	-0.1	0.5	0	0	7	00	0	0	0	0	0	4	3	23	0
ALWAR	0830	271	1015.8	984.2	-0.9	17.9	14.3	11.3	13.8	66	-10	2.4	+1.5	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730	271	1012.0	981.3	-1.4	25.0	17.5	11.7	14.2	45	- 6	2.5	+1.3	0.6	0	0	9	02	0	0	2	0	0	0	5	21	0
JAIPUR (SANGANER)	0230	390	1013.6	968.7	..	17.9	12.7	7.3	10.7	51	..	1.2	..	7.2	0	0	29	10	12	3	0	0	0	0	4	1	0
	0530	390	1013.9	968.8	..	16.9	12.3	7.3	10.7	55	..	1.4	..	6.5	0	0	27	09	11	2	0	0	0	0	5	3	0
	0830	390	1015.3	970.8	-0.5	21.3	14.4	7.8	11.2	43	- 5	2.3	+1.6	5.5	0	0	23	01	11	4	1	0	1	4	1	7	0
	1130	390	1014.5	970.9	..	27.1	16.2	5.5	9.9	28	..	2.2	..	10.2	0	2	27	01	9	9	2	2	3	1	2	1	0
	1430	390	1011.4	968.2	..	29.0	17.1	6.1	10.2	26	..	2.4	..	10.4	0	3	27	02	6	2	4	0	4	7	5	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - NOVEMBER,1969KARTIKA 10 - ASHAMAVANA 9,1891 SAKA]

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or in brackets, of normal standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind speed (Km. per hour) No. of calms	0 to 16	17 to 25	26 to 35	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN EAST (CONTD)																												
JAIPUR SANGNER	1730	390	1011.4	967.9	-0.7	26.7	16.5	7.7	10.7	32	+ 2	2.5	+1.5	6.4	0	0	23	02	4	4	2	0	0	6	5	7	0
	2030	390	1013.7	969.3	..	21.4	14.2	7.2	10.6	41	..	2.0	..	8.5	0	1	27	06	13	5	0	0	0	1	3	2	0
	2330	390	1014.2	969.6	..	19.6	13.2	6.6	10.3	44	..	1.3	..	7.9	0	1	27	07	17	1	0	0	0	0	3	2	0
DHOLPUR	0830	176	1015.9	995.4	-0.9	19.2	14.6	10.3	13.2	60	- 3	1.3	+0.3	0.5	0	0	6	01	0	0	0	0	0	4	1	24	0
	1730	176	1010.6	990.9	-2.0	28.9	21.0	15.8	18.9	46	- 2	0.9	-0.4	0.4	0	0	5	00	0	0	0	0	0	4	1	25	0
AJMER	0830	486	1014.8	960.0	-0.9	19.2	13.5	8.7	11.6	51	- 3	2.0	+1.3	3.2	0	0	15	03	3	2	0	2	0	3	2	15	0
	1730	486	1011.2	957.4	-0.7	27.4	16.1	7.3	10.4	28	+ 0	2.6	+1.6	7.8	0	0	25	05	4	2	1	1	3	5	4	4	0
TONK	0830	272	1014.5	983.0	-1.2	19.5	14.8	10.9	13.5	59	-13	1.7	+0.2	2.5	0	0	23	05	4	3	1	0	0	6	4	4	0
	1730	272	1010.7	980.2	-1.2	27.0	18.7	12.6	14.9	42	-12	2.8	+0.9	4.2	0	0	29	02	7	5	1	2	0	5	7	1	0
BHILWARA	0830	425	1015.5	967.1	..	19.4	15.4	12.1	14.5	63	..	3.4	..	2.3	0	0	21	03	7	2	0	1	3	0	5	9	0
	1730	425	1011.0	964.0	..	28.0	20.8	16.3	18.8	50	..	3.7	..	3.5	0	0	22	02	12	1	3	1	2	0	1	6	0
KOTA	0830	257	1015.3	985.8	-0.8	21.1	16.6	13.2	15.5	61	+10	3.5	+2.5	1.6	0	0	10	02	1	2	0	1	1	2	1	20	0
	1730	257	1011.4	982.7	-0.6	28.4	19.4	13.1	15.4	40	+11	2.6	+1.5	1.7	0	0	12	03	1	5	0	0	0	0	3	18	0
KOTA AERODROME	0530	274	1013.6	982.0	..	19.0	14.3	10.1	12.8	58	..	1.8	..	2.5	0	0	22	02	4	4	2	0	5	4	1	8	0
	0830	274	1015.7	984.2	..	21.4	15.4	10.1	13.0	51	..	2.9	..	3.2	0	0	21	02	3	8	2	0	2	3	1	9	0
	1130	274	(R)																								
	1730	274	1011.4	980.8	..	28.4	17.8	8.8	11.8	32	..	3.0	..	4.4	0	0	28	05	12	9	1	0	0	0	1	2	0
	2330	274	1017.8	985.7	..	16.0	9.5	1.3	6.8	37	..	0.8	..	3.0	0	0	26	01	2	1	2	1	15	3	1	4	0
CHAMBAL (RAWAT BHATTA DAM)	0830	351	1015.4	975.1	-1.6	20.2	16.2	13.3	15.6	65	- 3	1.8	+0.7	0.9	0	0	4	00	1	0	1	0	1	0	1	26	0
	1730	351	1011.2	972.1	-1.2	28.1	19.0	12.1	14.8	41	+ 5	1.8	+0.2	4.4	0	0	20	00	13	1	1	1	3	0	1	9	0
UDAIPUR	0230	582	1014.2	947.9	..	17.2	14.1	11.7	14.1	70	..	1.7	..	0.3	0	0	2	00	0	1	0	1	0	0	0	28	0
	0530	582	1014.4	947.9	..	16.1	13.5	11.4	13.9	74	..	1.2	..	0.1	0	0	1	00	0	1	0	0	0	0	0	29	0
	0830	582	1015.5	950.0	-0.7	20.8	15.7	11.9	14.1	58	+ 1	2.3	+1.4	0.7	0	0	4	03	1	0	1	0	0	0	1	24	0
	1130	582	1014.0	949.9	..	27.5	18.4	12.2	14.9	41	..	2.2	..	3.7	0	0	25	06	3	6	5	0	3	1	1	5	0
	1730	582	1010.8	946.9	-0.9	26.9	18.4	12.7	15.3	43	+ 4	2.9	+1.6	1.9	0	0	15	00	3	3	3	2	2	0	2	15	0
	2330	582	1014.7	948.7	..	18.8	15.2	12.8	14.9	68	..	1.7	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
JHALAWAR	0830	321	1015.6	978.8	-0.1	20.1	15.9	12.7	15.1	65	+ 5	3.0	+1.0	0.9	0	0	7	01	2	1	0	0	0	3	0	23	0
	1730	321	1010.7	975.0	-0.7	28.3	18.5	10.7	13.5	36	+ 4	3.2	+2.2	0.6	0	0	4	00	2	1	0	0	0	0	1	26	0
BANSWARA	0830	220	1014.2	989.0	..	23.0	16.7	11.3	14.2	50	..	0.2	..	2.1	0	0	29	00	2	11	15	0	0	0	1	0	0
	1730	220	1010.0	985.6	..	30.7	19.8	12.0	14.9	36	..	0.3	..	2.0	0	0	30	09	4	1	1	0	2	5	8	0	0
DUNGARPUR	0830		..	..	..	22.7	18.4	15.2	17.8	64	..	2.4	..	0.2	0	0	3	00	1	2	0	0	0	0	0	26	0
	1730		..	..	..	30.6	22.7	18.1	21.0	48	..	2.1	..	0.4	0	0	4	00	3	1	0	0	0	0	0	25	0
BUNDI	0830		(R)																								
	1730		(R)																								
SAWAI MADHOPUR	0830		(R)																								
	1730		(R)																								
MADHYA PRADESH, WEST																											
GWALIOR	0230	207	1013.9	989.6	..	15.9	13.7	11.7	14.2	77	..	1.5	..	1.3	0	0	10	00	1	0	2	4	2	0	1	20	0
	0530	207	1014.1	989.8	..	14.8	13.0	11.3	13.9	80	..	2.0	..	1.2	0	0	10	01	1	1	6	1	0	0	0	20	0
	0830	207	1015.8	991.9	-0.1	19.8	15.6	12.2	14.7	65	+10	2.8	+1.9	1.9	0	0	14	00	2	1	2	6	1	2	0	16	0
	1130	207	1015.1	991.7	..	26.9	17.7	10.0	13.1	37	..	2.9	..	6.2	0	0	28	06	8	6	2	0	1	0	5	2	0
	1430	207	1012.3	989.0	..	28.4	18.1	9.6	12.7	34	..	3.1	..	7.7	0	0	29	02	14	4	1	1	0	0	7	1	0
	1730	207	1012.2	988.8	-0.2	25.9	18.2	12.4	14.9	46	+ 8	3.0	+1.9	3.5	0	0	24	08	8	3	2	0	0	0	3	6	0
	2030	207	1014.3	990.3	..	19.5	15.6	12.3	14.8	64	..	1.7	..	0.3	0	0	3	00	0	0	1	0	0	1	1	27	0
	2330	207	1014.6	990.4	..	17.0	14.2	11.8	14.3	72	..	1.6	..	0.5	0	0	6	02	0	1	1	1	1	0	0	24	0
SHEOPUR	0830	235	1014.3	987.2	-2.1	20.2	16.2	13.1	15.6	64	+ 6	2.8	+1.8	3.0	0	0	25	13	1	0	2	7	1	1	0	5	0
	1730	235	1009.9	983.6	-2)..	..	..	..	..	..	.	..	2.7	+1.5	3.7	0	0	26	17	3	0	2	1	0	1	2	4	0
SHIVPURI	0830	464	1014.5	961.8	..	20.6	15.9	12.3	14.7	60	..	2.5	..	2.3	0	0	19	00	8	6	0	0	5	0	0	11	0
	1730	464	1011.2	959.4	..	24.7	17.2	11.9	14.4	48	..	2.8	..	2.8	0	0	19	02	7	6	0	0	3	1	0	11	0
NOWGONG	0830	229	1016.0	989.6	-0.3	19.8	17.3	15.6	18.0	78	+ 9	2.5	+1.5	1.6	0	0	16	02	2	0	0	5	6	0	1	14	0
	1730	229	1012.7	986.8	+0.1	25.8	20.7	17.6	20.5	62	+22	2.2	+1.1	1.9	0	0	18	14	2	1	0	0	0	1	0	12	0
GUNA	0530	478	1014.4	959.3	..	15.7	13.8	12.3	14.7	81	..	2.0	..	3.3	0	0	22	05	2	9	3	2	0	1	0	8	0
	0830	478	1015.7	961.3	-0.4	19.8	16.0	13.5	15.6	68	+ 8	3.0	+2.0	2.8	0	0	27	03	1	15	2	6	0	0	0	3	0
	1130	478	1014.5	961.3	..	26.6	18.6	13.3	16.0	47	..	3.1	..	5.2	0	0	29	02	7	11	2	2	2	2	1	1	0
	1430	478	1011.6	958.7	..	27.8	19.0	13.1	15.6	44	..	3.8	..	5.0	0	0	30	09	4	6	1	1	0	6	3	0	0
	1730	478	1011.6	958.4	-0.4	25.7	18.7	14.1	16.7	52	+17	3.2	+2.1	3.7	0	0	26	10	2	8	1	3	0	1	1	4	0
	2330	478	1014.8	960.2	..	18.4	15.3	13.1	15.4	73	..	2.2	..	3.2	0	0	22	00	1	10	10	1	0	0	0	8	0
NIMACH	0830	496	1015.9	959.7	-0.2	21.2	15.4	10.8	13.4	55	+ 9	3.4	+2.1	3.0	0	0	21	01	12	5	0	1	1	1	0	9	0
	1730	496	1011.5	956.8	-0.5	28.0	17.0	8.6	11.5	31	+ 4	2.1	+0.5	5.7	0	0	29	04	13	4	0	1	0	5	2	1	0
RAJGARH	0830	382	1015.2	971.4	-1.3	19.3	16.8	14.9	17.3	77	+15	1.2	-0.2	3.3	0	0	21	03	1	2	2	12	0	0	1	9	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – NOVEMBER,1969KARTIKA 10 - AGRAHAYANA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or 1 km. in gpm. of second standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH. WEST(CONTD)																											
RAJGARH	1730	382	1010.8	968.4	-1.2	27.7	19.8	14.8	17.6	47	+10	2.5	+0.9	7.7	0	1	26	05	9	1	1	0	7	3	1	3	0
SAGAR	0830	551	1014.7	953.0	-0.2	23.1	18.3	15.3	17.6	63	+20	2.4	+1.0	6.0	0	0	30	00	4	5	0	0	7	11	3	0	0
	1730	551	1010.3	949.4	-1.1	26.0	19.0	14.7	17.0	51	+17	1.5	-0.1	7.9	0	0	30	00	10	11	0	0	3	5	1	0	0
RATLAM	0830	486	1014.9	960.0	-0.5	22.1	17.2	14.0	16.2	62	+10	3.5	+1.9	6.5	0	1	22	02	10	9	1	0	0	0	1	7	0
	1730	486	1010.5	957.0	-0.4	28.4	19.7	14.3	16.6	44	+ 9	3.7	+1.5	7.1	0	2	25	04	10	9	0	0	0	2	2	3	0
BHOPAL(BAIRAGARH)	0230	523	1013.0	953.6	..	19.0	14.9	11.7	14.2	64	..	2.2	..	3.8	0	0	16	06	4	0	3	0	1	1	1	14	0
	0530	523	1013.4	953.8	..	18.2	14.5	11.5	14.0	66	..	2.4	..	4.6	0	0	18	03	8	1	5	2	0	1	0	12	0
	0830	523	1015.0	956.0	-0.8	21.8	16.4	12.3	14.9	58	+ 5	4.1	+2.8	5.4	0	0	21	03	6	2	6	2	1	0	1	9	0
	1130	523	1013.7	955.8	..	26.9	18.0	11.5	14.3	42	..	3.6	..	9.0	0	0	28	03	3	4	5	4	2	5	2	2	0
	1430	523	1010.6	953.1	..	28.5	18.0	10.3	13.2	35	..	4.0	..	8.9	0	1	29	06	5	3	5	2	1	3	5	0	0
	1730	523	1011.1	953.2	-0.5	26.2	17.7	11.6	14.3	43	+10	4.5	+3.0	6.1	0	1	25	07	7	4	3	1	0	0	4	4	0
	2030	523	1013.5	954.8	..	22.5	16.5	12.0	14.6	55	..	3.0	..	3.9	0	1	16	05	6	4	1	1	0	0	0	13	0
	2330	523	1013.9	954.7	..	20.6	15.8	12.2	14.7	61	..	2.5	..	4.5	0	0	18	01	9	3	4	1	0	0	0	12	0
UJJAIN	0830	489	1015.4	959.6	..	19.3	16.7	14.9	17.2	76	..	4.1	..	1.6	0	0	9	00	2	5	2	0	0	0	0	21	0
	1730	489	1011.0	956.9	..	27.0	20.4	16.5	19.3	55	..	4.1	..	3.7b	0	0	20	04	7	4	1	0	0	2	2	10	0
NARSINGHPUR	0830	356	1015.1	974.3	..	19.7	16.3	13.7	16.1	69	..	1.9	..	1.2b	0	0	15	00	10	2	2	0	0	0	1	14	0
	1730	356	1010.8	971.2	..	28.1	19.7	13.9	16.3	43	..	2.1	..	1.0b	0	0	13	00	10	0	0	0	2	0	1	16	0
HOSHANGABAD	0830	302	1015.6	981.0	-0.2	21.1	17.2	14.2	16.5	65	+ 1	3.0	+1.4	2.8	0	0	26	00	2	0	5	0	13	0	6	4	0
	1730	302	1010.8	977.2	-0.5	29.0	19.7	13.2	15.7	40	+ 2	3.2	+1.6	2.6	0	0	30	00	3	0	2	0	17	0	8	0	0
INDORE	0530	567	1013.4	948.8	..	17.3	14.0	11.4	13.9	69	..	2.0	..	4.5	0	0	15	00	3	4	1	5	2	0	0	15	0
	0830	567	1014.7	950.9	-0.4	21.1	16.2	12.6	14.9	60	+ 6	3.6	+2.1	4.7	0	0	13	01	4	2	1	4	1	0	0	17	0
	1130	567	1013.2	950.8	..	27.5	18.1	11.5	14.1	40	..	3.4	..	10.3	0	3	20	02	5	5	0	7	1	1	2	7	0
	1730	567	1010.7	948.2	-0.2	26.4	18.1	12.1	14.8	44	+12	4.0	+2.1	8.2	0	0	25	04	13	4	0	2	0	0	2	5	0
	2330	567	1013.9	949.8	..	19.8	15.6	12.3	14.8	64	..	2.6	..	3.4	0	0	12	00	4	3	0	3	0	0	2	18	0
RAJPUR(JHABUA)	0830	293	1014.9	981.4	-1.3	21.5	16.3	12.3	14.6	57	- 6	2.0	-0.3	1.4	0	0	9	00	0	8	1	0	0	0	0	21	0
	1730	293	1010.6	978.3	-0.7	30.6	18.7	9.3	12.0	29	- 6	2.5	+0.4	3.0	0	0	18	01	1	7	0	0	0	8	1	12	0
CHHINDWARA	0830	685	1015.0	938.3	-0.5	20.6	16.5	13.2	15.6	64	+ 6	1.9	+0.4	4.7	0	0	28	00	5	10	1	0	0	4	8	2	0
	1730	685	1010.1	935.3	-0.6	26.7	17.8	11.5	14.0	40	+ 5	3.1	+1.2	2.9	0	0	29	02	0	3	1	1	0	11	11	1	0
SEONI	0830	619	1015.0	945.7	+0.1	21.2	16.2	12.5	14.9	58	+ 1	2.7	+1.0	4.9	0	0	21	03	6	6	1	2	3	0	0	9	0
	1730	619	1010.6	942.6	-0.2	26.5	17.7	11.5	14.0	41	- 1	2.6	+0.7	8.1b	0	0	28	10	3	5	3	7	0	0	0	2	0
BETUL	0830	653	1015.0	941.9	-0.7	21.4	16.6	13.1	15.5	60	+ 4	2.7	+1.0	2.8b	0	0	20	00	11	1	6	0	0	0	2	9	0
	1730	653	1010.8	938.9	-0.5	25.0	18.5	14.2	16.5	53	+11	3.9	+1.8	3.8	0	0	29	09	11	1	2	1	0	1	4	1	0
KHANDWA	0830	318	1014.7	978.2	-0.5	20.4	17.0	14.4	16.8	70	+12	2.4	+0.8	1.9	0	0	10	00	5	1	2	2	0	0	0	20	0
	1730	318	1010.0	974.7	-0.5	29.3	20.4	14.2	16.7	42	+ 7	3.1	+1.3	4.7	0	0	25	05	14	4	1	0	0	0	1	5	0
TIKAMGARH	0830	346	1016.3	976.5	..	19.7	16.5	14.1	16.4	71	..	2.9	..	3.5	0	0	24	09	1	0	3	5	4	2	0	6	0
	1730	346	1012.4	973.6	..	25.3	19.3	15.1	17.5	56	..	3.3	..	4.9	0	1	28	12	6	1	1	1	6	1	1	1	0
SHAJAPUR	0830	446	..	..	..	20.6	16.9	14.0	16.3	67	..	3.6	..	8.0	0	2	28	01	2	8	9	3	3	1	2	0	1
	1730	446	..	..	..	26.8	19.1	13.4	15.9	47	..	3.6	..	6.5	0	1	29	02	11	8	3	1	1	1	3	0	0
KANNOD	0830	353	1017.6	976.9	..	18.7	15.6	13.1	15.3	71	..	1.3	..	1.1	0	0	12	01	7	2	0	0	0	0	2	18	0
	1730	353	1012.7	973.6	..	29.0	19.0	11.6	14.0	35	..	1.8	..	2.7	0	0	21	03	2	2	4	2	0	6	2	9	0
KHARGONE	0830		..	..	..	21.6	17.5	14.4	16.9	65	..	3.7	..	2.1	0	0	19	02	6	3	0	2	4	1	1	11	0
	1730		..	..	..	29.6	20.6	14.5	16.9	42	..	3.9	..	3.7	0	0	24	08	8	6	0	0	0	1	1	6	0
MADHYA PRADESH,EAST																											
SATNA	0530	317	1013.8	977.0	..	16.9	15.8	14.8	17.1	88	..	2.1	..	1.4	0	0	12	01	1	2	0	2	2	3	1	18	0
	0830	317	1015.5	979.3	-0.1	21.6	17.9	15.2	17.6	68	+ 6	2.6	+1.4	1.7	0	0	20	00	2	7	0	0	1	10	0	10	0
	1130	317	1014.2	978.6	..	26.8	19.4	14.3	16.7	48	..	2.6	..	4.5	0	0	28	01	4	8	2	2	2	2	7	2	0
	1430	317	1011.3	976.0	..	28.4	19.6	13.4	15.8	42	..	2.8	..	6.3	0	0	27	02	3	2	1	0	3	4	11	3	1
	1730	317	1012.1	976.3	+0.1	24.6	19.3	15.7	18.1	59	+17	2.8	+1.4	3.1	0	0	25	13	5	3	0	0	0	2	2	5	0
	2330	317	1014.1	977.6	..	19.3	17.3	15.8	18.2	80	..	1.6	..	1.1	0	0	10	00	1	3	1	2	1	1	1	20	0
REWA	0830	299	1015.4	981.1	..	20.6	18.5	17.1	19.8	81	..	3.0	..	2.3	0	0	22	05	3	1	0	0	6	2	5	8	0
	1730	299	1012.0	978.4	..	26.2	21.5	18.8	22.0	65	..	3.5	..	2.5	0	0	24	10	7	1	0	1	1	1	3	6	0
SIDHI	0830	272	1015.2	984.0	-0.3	21.1	18.9	17.4	20.2	80	+15	0.6	-0.7	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730	272	1010.9	980.3	-0.9	26.1	22.5	20.5	24.3	72	+30	0.9	-0.6	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
UMARIA	0830	459	1015.6	963.3	-0.2	20.1	16.7	14.5	16.8	71	+ 8	3.3	+2.0	0.5	0	0	7	00	2	3	2	0	0	0	0	23	0
	1730	459	1011.6	960.4	+0.2	25.2	19.5	16.3	18.9	59	+ 9	3.9	+2.1	0.7	0	0	10	02	4	1	0	0	1	0	2	20	0
JABALPUR	0530	393	1014.0	968.7	..	16.6	15.3	14.2	16.7	86	..	2.0	..	1.7	0	0	16	00	3	2	8	2	0	1	0	14	0
	0830	393	1015.6	970.8	-0.3	20.9	17.5	15.1	17.5	70	+ 2	3.3	+1.8	2.7	0	0	21	00	2	3	8	4	4	0	0	9	0
	1130	393	1013.6	970.0	..	27.8	20.5	15.8	18.3	49	..	3.2	..	4.1	0	0	27	03	6	1	3	2	6	1	5	3	0
	1430	393	1010.6	967.3	..	29.7	20.5	14.5	16.9	41	..	3.6	..	5.8	0	0	30	03	8	0	1	1	7	1	9	0	0
	1730	393	1011.4	967.6	+0.1	26.2	19.8	15.5	17.9	53	+ 9	4.0	+2.3	2.1	0	0	18	02	11	1	0	0	0	0	4	12	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - NOVEMBER, 1969 KARTIKA 10 - AGRAHAYANA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or ht. in gpm. of mean standard isobaric level	At station level	Departure from normal	Dry bulb	Wet bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind speed (Km. p.h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH, EAST (CONTD.)																											
JABALPUR	2030	393	1013.7	969.1	..	21.7	18.1	15.6	18.0	69	..	2.5	..	2.4	0	0	18	01	6	2	4	2	1	1	1	12	0
	2330	393	1014.1	969.2	..	19.6	17.0	15.3	17.5	76	..	2.4	..	1.7	0	0	11	00	3	4	1	0	1	1	1	19	0
AMBIKAPUR	0830	611	1015.8	947.0	-0.2	19.9	16.7	14.5	16.8	71	+ 3	2.4	+1.4	2.7	0	0	12	01	3	0	2	4	2	0	0	18	0
	1730	611	1011.5	943.9	-0.5	24.2	18.0	13.9	16.3	54	+ 3	2.6	+1.4	6.1	0	0	30	14	2	1	1	2	1	9	0	0	0
JASHPURNAGAR	0830	779	1015.1	928.6	..	20.6	16.5	13.5	16.0	65	..	2.0	..	1.1	0	0	13	03	5	0	3	0	0	0	2	17	0
	1730	779	1010.0	924.7	..	23.5	17.7	13.9	16.3	56	..	1.6	..	0.3	0	0	4	00	3	0	1	0	0	0	0	26	0
PENDRA	0530	625	1014.5	948.5	..	16.8	14.7	13.1	15.5	79	..	3.1	..	2.3	0	0	17	08	3	0	0	4	1	1	0	13	0
	0830	625	1015.4	945.5	+0.1	21.8	17.3	14.3	16.7	64	+ 7	2.9	+1.2	5.7	0	0	25	13	2	2	2	5	1	0	0	5	0
	1130	625	1013.6	944.7	..	26.0	18.4	13.4	15.9	47	..	3.3	..	9.2	0	0	27	06	4	2	5	5	3	0	2	3	0
	1430	625	1010.7	942.3	..	27.0	18.8	13.5	15.8	45	..	3.5	..	9.7	0	0	30	11	3	2	1	5	4	0	4	0	0
	1730	625	1011.7	942.5	+0.1	23.5	18.0	14.4	16.8	58	+ 9	3.0	+1.1	3.7	0	0	25	11	3	0	1	8	2	0	0	5	0
	2330	625	1014.7	944.2	..	18.6	15.7	13.6	16.0	74	..	2.3	..	1.4	0	0	11	03	0	1	0	1	1	1	4	19	0
MANDLA	0830	443	1015.8	965.2	-0.9	19.2	16.5	14.6	16.9	75	- 4	1.9	+0.2	0.8	0	0	2	01	0	0	0	1	0	0	0	28	0
	1730	443	1010.3	961.2	-1.2	26.3	18.8	13.5	15.8	46	+ 0	1.4	-0.4	0.6	0	0	3	01	0	0	0	0	0	0	0	26	2
CHAMPA	0830	245	1015.3	987.2	-0.7	21.5	18.4	16.3	18.9	73	+ 6	2.9	+0.9	3.4	0	0	17	12	3	2	0	0	0	0	0	13	0
	1730	245	1011.1	983.6	-0.8	27.7	20.5	15.9	18.5	49	+ 4	3.6	+1.5	2.9	0	0	22	13	6	1	0	1	0	0	1	8	0
RAIGARH	0830	220	1015.2	990.0	-0.4	23.3	18.8	15.7	18.3	63	+ 1	2.2	+0.2	3.3	0	0	27	01	23	0	3	0	0	0	0	3	0
	1730	220	1011.2	986.5	-0.2	27.8	20.3	15.3	17.9	48	+ 4	2.9	+1.0	2.0	0	0	24	04	16	0	4	0	0	0	0	6	0
RAIPUR	0530	298	1013.3	979.0	..	19.1	16.5	14.5	17.0	75	..	2.3	..	1.3	0	0	8	03	3	0	0	1	0	0	0	22	0
	0830	298	1015.1	981.1	-0.2	23.5	18.5	15.0	17.5	60	- 3	2.6	+0.9	4.1	0	1	20	05	10	2	1	1	0	2	0	9	0
	1130	298	1013.6	980.3	..	29.0	19.9	13.6	16.1	40	..	2.9	..	7.1	0	1	29	03	13	3	4	2	1	3	1	0	0
	1430	298	1010.6	977.6	..	30.1	20.1	13.2	15.7	37	..	3.2	..	6.8	0	1	29	08	9	7	1	1	2	1	1	0	0
	1730	298	1011.1	977.8	-0.1	27.6	19.8	14.5	16.8	45	- 1	3.2	+1.2	2.7	0	0	17	05	8	2	1	0	0	0	1	13	0
	2030	298	1013.2	979.5	..	24.3	18.8	15.0	17.4	57	..	2.1	..	1.6	0	0	7	01	2	3	0	0	0	0	1	23	0
	2330	298	1013.4	979.5	..	22.5	18.0	14.7	17.1	62	..	1.8	..	2.2	0	0	12	01	3	2	2	2	1	1	0	18	0
KANKER	0830	402	1014.8	969.6	-0.1	23.7	18.7	15.4	17.8	60	-15	2.5	+0.1	1.6	0	0	8	02	3	0	3	0	0	0	0	22	0
	1730	402	1010.1	965.7	-0.6	27.7	19.8	14.4	16.9	46	- 6	2.6	-0.1	2.3	0	0	18	05	9	1	2	0	0	1	0	12	0
JAGDALPUR	0530	553	1012.7	950.1	..	18.4	17.2	16.4	18.9	88	..	4.1	..	0.7	0	0	3	01	1	1	0	0	0	0	0	27	0
	0830	553	1014.3	952.3	-0.1	21.3	18.4	16.7	19.3	76	+ 0	4.0	+1.4	2.9	0	0	20	06	8	2	0	0	0	1	3	10	0
	1130	553	1012.1	951.3	..	26.5	19.7	15.7	18.2	53	..	3.9	..	4.8	0	0	25	03	13	7	1	0	0	0	1	5	0
	1430	553	1009.0	948.6	..	27.8	19.9	15.1	17.6	48	..	5.0	..	6.1	0	0	27	06	12	1	3	1	1	0	3	3	0
	1730	553	1010.2	949.1	-0.1	25.0	19.6	16.4	19.0	61	+ 5	5.3	+2.0	3.2	0	0	19	06	6	2	2	2	0	0	1	11	0
	2030	553	1012.8	951.0	..	22.1	18.7	16.6	19.8	70	..	3.6	..	2.1	0	0	11	01	7	1	1	1	0	0	0	19	0
	2330	553	1013.0	950.9	..	20.4	18.2	16.8	19.5	80	..	3.6	..	1.5	0	1	5	01	2	2	1	0	0	0	0	24	0
DURG	0830	293	..	..	..	22.4	19.0	16.7	19.3	70	..	2.0	..	4.7	0	0	25	04	16	0	1	1	0	1	2	5	0
	1730	293	..	..	..	27.3	20.9	17.2	19.9	55	..	2.3	..	3.9	0	0	24	01	16	1	3	0	1	0	2	6	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																											
DEESA	0830	136	1014.2	998.5	-1.0	22.9	16.4	10.5	13.4	48	- 3	1.3	+0.2	5.3	0	0	26	01	17	2	4	0	0	0	2	4	0
	1730	136	1010.5	995.3	-1.1	32.2	19.5	9.0	12.3	26	- 1	1.0	-0.2	7.9	0	0	27	00	4	0	0	1	11	0	10	3	1
RADHANPUR	0830	30	1014.0	1010.5	-1.3	22.2	15.8	10.5	12.8	48	-18	0.3	-0.5	2.3	0	0	24	06	8	2	3	0	1	0	4	6	0
	1730	30	1011.0	1007.7	-1.0	33.0	19.9	10.2	12.5	25	-22	0.5	-0.2	1.7	0	0	23	05	2	2	0	0	2	4	8	7	0
IDAR	0830	219	1014.1	989.2	-1.1	25.5	17.0	9.4	12.5	40	+ 2	2.0	+0.5	3.7	0	0	24	01	12	5	4	0	1	0	1	6	0
	1730	219	1010.3	986.6	-0.7	30.9	19.0	9.5	12.3	28	- 4	2.3	+0.6	2.6	0	0	22	00	3	6	1	1	2	8	1	8	0
AHMADABAD	0230	55	1012.0	1005.6	..	22.4	17.1	12.9	15.2	56	..	1.3	..	3.6	0	0	15	05	5	1	1	1	0	0	2	15	0
	0530	55	1011.9	1005.5	..	20.8	16.2	12.3	14.0	60	..	1.0	..	3.1	0	0	10	01	3	3	1	0	0	0	2	20	0
	0830	55	1013.9	1007.5	-1.0	23.2	17.3	12.7	15.0	53	+ 1	2.3	+1.1	7.1	0	0	22	01	8	8	2	0	0	0	3	8	0
	1130	55	1014.0	1007.8	..	30.9	20.9	14.2	16.5	38	..	2.0	..	12.7	0	4	24	03	3	15	7	0	0	0	0	2	0
	1430	55	1011.1	1004.9	..	33.5	21.3	12.8	15.5	31	..	2.5	..	12.6	0	5	25	04	3	9	4	3	1	1	5	0	0
	1730	55	1010.5	1004.3	-1.1	31.9	20.9	13.3	15.7	34	+ 5	2.3	+1.0	7.6	0	0	24	02	5	9	4	2	1	0	1	6	0
	2030	55	1012.2	1005.9	..	26.2	19.2	14.3	14.5	49	..	1.8	..	2.3	0	1	7	00	3	1	4	0	0	0	0	22	0
	2330	55	1012.7	1006.3	..	23.8	18.1	13.9	16.2	55	..	1.5	..	2.9	0	0	11	01	4	2	4	0	0	0	0	19	0
DOHAD	0830	333	1014.5	976.5	-1.1	22.0	17.1	13.4	15.6	59	+ 1	2.7	+1.4	6.1	0	0	29	00	1	17	4	6	1	0	0	1	0
	1730	333	1010.2	973.4	-0.9	29.9	19.3	11.3	13.7	34	+ 7	3.1	+2.4	8.7	0	1	29	06	4	3	5	3	3	3	3	0	0
VALLABH VIDYANAGAR	0830	44	1013.8	1008.7	..	21.7	17.5	14.4	16.6	64	..	2.9	..	5.4	0	1	26	06	11	1	3	0	1	2	3	3	0
	1730	44	1010.5	1005.5	..	31.9	21.6	15.2	17.4	38	..	2.8	..	4.1	0	0	28	03	15	0	4	1	0	1	4	2	0
BARODA AERODROME	0830	38	1014.0	1009.6	-0.9	24.1	19.3	16.2	18.5	62	+ 7	3.0	+1.7	8.4	0	4	18	05	8	4	2	1	0	0	2	8	0
	1130	38	1013.6	1009.4	..	31.6	22.2	16.4	19.1	42	..	2.3	..	14.6	0	9	20	05	7	8	3	3	0	0	1	1	2
	1730	38	1010.4	1006.1	-1.0	31.3	22.0	16.3	18.8	42	+ 8	3.0	+1.7	9.2	0	2	27	07	6	4	1	1	1	0	9	1	0
BARODA	0530	34	1011.7	1007.7	..	21.0	16.9	13.9	15.9	65	..	1.2	..	2.2	0	0	20	00	17	3	0	0	0	0	0	10	0
	0830	34	1013.8	1009.8	-0.9	23.2	18.1	14.5	16.6	59	- 9	2.5	+1.5	2.3	0	0	16	01	10	3	0	0	1	0	1	14	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - NOVEMBER,1969(KARTIKA 10 - AGRAHAYANA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of surface standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GUJARAT REGION(INCLUDING DAMAN-DADRA AND NAGAR HAVELI(CONTD.)																											
BARODA	1130	34	1014.0	1010.0	..	32.3	21.2	13.9	16.1	35	..	1.6	..	3.7	0	0	25	03	14	2	3	1	0	0	2	5	0
	1730	34	1010.3	1006.4	-0.8	32.3	21.5	14.6	16.8	36	-12	2.0	+0.9	1.7	0	0	16	01	9	1	1	0	1	0	3	14	0
	2330	34	1012.5	1008.5	..	23.8	18.4	14.7	16.8	57	..	1.7	..	1.5	0	0	14	00	13	0	0	0	1	0	0	16	0
BROACH	0830	17	..	..	..	22.4	19.4	17.6	20.2	75	+13	1.1	-0.1	5.8	0	0	30	00	23	0	2	0	4	0	1	0	0
	1730	17	..	..	..	33.0	25.4	21.7	26.3	53	+23	1.6	+0.4	7.1	0	0	30	01	18	0	1	0	4	0	6	0	0
SURAT	0530	12	1011.3	1010.0	..	23.2	19.1	16.2	18.8	66	..	2.4	..	6.9	0	0	25	05	10	6	1	2	0	0	1	5	0
	0830	12	1013.6	1012.2	-0.6	24.6	19.2	15.4	16.3	58	- 1	2.8	+0.9	8.1	0	0	29	02	16	3	5	0	0	1	2	1	0
	1130	12	1013.3	1012.0	..	32.2	21.9	15.5	17.8	38	..	2.9	..	11.2	0	2	27	06	12	9	1	0	1	0	0	1	0
	1730	12	1010.1	1008.7	-0.6	31.6	22.7	17.2	19.9	45	+ 5	3.1	+1.0	6.7	0	0	30	03	15	0	3	0	4	1	4	0	0
	2330	12	1012.2	1010.8	..	25.1	20.1	16.7	19.5	61	..	2.2	..	6.7	0	1	23	09	9	1	0	0	2	1	2	6	0
SAURASHTRA AND KUTCH																											
NALIYA	0830	21	1014.3	1011.8	-0.9	20.4	17.0	14.2	16.2	70	+ 5	2.1	+0.5	5.5	0	1	23	10	9	1	0	0	0	1	3	8	0
	1730	21	1011.3	1008.9	-0.8	30.4	23.2	19.2	22.5	53	+21	1.9	+0.3	10.1	0	1	29	03	8	1	0	0	9	6	3	0	0
BHUJ (RUDRAMATA	0230	80	1012.4	1003.1	..	21.6	17.2	13.4	14.1	62	..	1.5	..	2.4	0	0	9	01	1	1	0	0	2	2	2	21	0
	0530	80	1012.5	1003.1	..	19.7	16.5	13.6	16.2	70	..	1.3	..	2.0	0	0	9	01	0	0	1	1	2	2	2	21	0
	0830	80	1014.4	1005.0	-1.0	22.0	17.8	14.5	16.9	65	+10	1.7	+0.8	2.6	0	0	9	02	0	1	1	0	3	1	1	21	0
	1130	80	1014.4	1005.3	..	28.6	20.2	14.0	16.8	44	..	1.7	..	12.9	0	4	24	10	10	2	2	0	0	1	2	2	1
	1430	80	1011.3	1002.4	..	32.0	21.0	13.0	15.9	35	..	2.2	..	14.8	0	8	20	05	8	3	1	0	1	2	6	2	2
	1730	80	1010.9	1001.9	-0.7	31.1	20.7	13.2	15.9	36	+ 9	2.2	+1.3	12.9	0	7	19	08	8	1	2	0	2	3	2	4	0
	2030	80	1012.7	1003.5	..	26.0	18.8	13.6	14.6	48	..	1.2	..	7.5	0	2	18	08	1	1	0	0	1	2	7	10	0
	2330	80	1013.2	1003.9	..	23.3	17.9	13.5	16.1	57	..	1.5	..	6.7	0	2	18	04	2	0	0	0	8	4	2	10	0
KANDLA AERODROME	0830	35	1014.3	1010.3	..	23.9	16.5	9.1	12.8	43	..	1.5	..	15.2	0	10	17	08	2	1	0	0	0	1	15	3	0
	1130	35	1014.4	1010.4	..	30.8	18.4	7.7	11.1	26	..	1.5	..	16.8	0	9	20	09	3	3	1	1	1	1	9	1	1
	1730	35	1011.0	1007.1	..	32.1	18.9	7.7	11.1	24	..	1.8	..	19.7	0	15	15	09	4	3	1	5	4	1	3	0	0
NEW KANDLA	0830	14	1014.6	1012.9	-1.2	22.8	16.9	11.6	14.5	52	- 8	2.2	+0.4	11.1	0	2	27	12	12	2	1	0	2	2	8	1	0
	1730	14	1011.4	1009.7	-1.3	30.3	20.8	14.3	16.8	40	+ 0	2.7	+0.7	13.7	0	9	19	06	5	2	1	4	6	3	1	2	0
MANDVI	0830	9	1014.3	1013.2	-0.7	22.3	18.9	16.4	19.1	72	+11	2.6	+1.1	13.3	0	4	26	11	8	1	1	0	0	0	8	0	1
	1730	9	1011.3	1010.2	-1.0	28.7	24.4	22.2	26.9	70	+ 8	2.8	+1.4	19.7	0	15	15	04	2	0	1	1	8	13	0	0	1
SURENDRANAGAR	0830	74	1013.6	1005.4	-1.3	24.6	18.3	14.0	16.1	53	+ 4	2.2	+1.3	5.1	0	0	22	04	6	3	1	0	0	2	6	8	0
	1730	74	1010.2	1001.9	-1.5	33.0	21.6	14.3	16.5	34	+ 8	3.6	+2.3	4.1	0	0	22	03	5	5	0	0	0	4	5	8	0
OKHA	0530	7	1012.6	1011.8	..	25.1	22.8	21.5	25.9	82	..	1.5	..	20.1	0	15	15	07	8	3	1	0	0	0	11	0	0
	0830	7	1014.4	1013.6	..	25.6	23.0	21.5	25.9	79	..	2.5	..	16.9	0	12	18	10	9	5	0	1	0	1	4	0	0
	1130	7	1015.1	1014.3	..	27.2	24.2	22.5	27.7	77	..	2.1	..	15.1	0	6	24	07	7	7	0	0	0	0	9	0	0
	1730	7	1011.9	1011.1	..	27.1	25.1	24.2	30.2	85	..	2.4	..	15.5	0	12	18	03	2	3	1	0	0	4	17	0	0
	2330	7	1013.6	1012.8	..	25.5	23.5	22.3	27.6	84	..	2.0	..	20.3	0	14	16	07	4	1	0	0	0	2	16	0	0
JAMNAGAR AERODROME	0530	23	1012.1	1009.8	..	20.4	17.0	14.1	16.6	70	..	0.9	..	7.1	0	0	22	00	9	3	1	0	1	4	4	8	0
	0830	23	1013.9	1011.6	-0.7	22.7	18.0	14.4	16.8	62	+ 1	1.7	+0.2	6.9	0	2	21	01	8	5	2	1	3	2	1	7	0
	1130	23	1014.2	1012.0	..	29.2	19.7	12.7	15.9	38	..	1.8	..	16.1	0	10	20	06	15	4	0	0	0	0	5	0	0
	1730	23	1010.7	1008.5	-0.8	30.1	20.3	13.4	15.9	38	+ 2	2.2	+1.1	18.2	0	13	17	07	11	1	0	0	0	3	8	0	0
	2330	23	1012.8	1010.6	..	23.9	19.7	16.6	20.2	66	..	1.3	..	9.3	0	2	24	05	12	1	0	0	0	2	6	4	0
DWARKA	0830	11	1014.3	1013.0	-0.6	24.6	21.1	18.9	22.1	72	+ 4	1.9	+0.5	10.9	0	1	29	12	13	1	1	0	1	0	2	0	0
	1730	11	1012.0	1010.7	+0.2	27.8	22.7	19.4	23.4	64	+13	1.8	+0.7	13.6	0	5	25	06	4	2	0	0	1	5	12	0	0
RAJKOT	0530	138	1012.1	996.2	..	21.0	15.4	9.9	13.0	53	..	0.7	..	9.8	0	1	28	06	4	2	3	0	2	3	9	1	0
	0830	138	1014.1	998.3	-0.6	23.1	17.1	11.6	14.6	52	+ 2	1.1	-0.1	7.1	0	0	20	03	6	1	0	0	1	0	8	10	1
	1130	138	1013.7	998.3	..	30.9	19.3	10.4	11.3	30	..	1.3	..	17.9	0	14	16	05	11	4	2	0	0	0	7	0	1
	1430	138	1010.5	995.3	..	33.1	19.9	9.9	14.7	26	..	1.5	..	14.2	0	7	21	06	9	1	2	0	0	0	7	2	3
	1730	138	1010.1	994.9	-0.5	32.5	19.4	9.2	11.1	26	+ 2	1.8	+0.4	17.3	0	10	20	07	9	0	0	0	2	0	10	0	2
BHAUNAGAR AERODROME	0830	11	1013.7	1012.5	-1.1	24.3	17.7	12.6	14.9	50	+ 0	2.6	+1.1	11.9	0	4	20	04	4	1	0	0	0	2	13	6	0
	1130	11	1013.9	1012.7	..	29.7	20.9	14.9	17.6	42	..	2.3	..	20.9	1	14	15	04	15	7	4	0	0	0	0	0	0
	1730	11	1010.3	1009.1	-1.0	31.9	20.5	12.4	14.9	32	+ 1	2.5	+0.8	16.1	0	6	23	05	11	9	4	0	0	0	0	1	0
PORBANDER AERODROME	0830	7	1013.8	1013.0	-0.7	25.2	19.2	14.3	17.4	57	- 6	2.1	+1.2	11.3	0	6	21	05	8	3	3	1	0	1	6	3	0
	1130	7	1013.8	1013.0	..	32.2	21.2	13.4	16.2	35	..	1.7	..	17.4	0	14	16	03	9	4	3	0	1	0	10	0	0
	1730	7	1010.6	1009.8	-0.9	30.7	22.3	17.0	20.0	47	- 7	2.1	+0.5	17.9	0	14	16	03	0	2	0	0	12	11	2	0	0
KESHOD	0830	51	1013.8	1007.9	-0.9	24.1	17.7	12.4	15.1	51	- 2	2.5	+1.2	13.7	0	6	24	05	17	7	0	0	0	0	1	0	0
	1130	51	1013.6	1007.8	..	31.1	19.3	9.8	11.9	29	..	2.3	..	17.7	0	12	18	09	13	5	1	0	0	0	2	0	0
	1730	51	1010.0	1004.3	-1.3	32.1	20.2	11.1	13.9	31	- 2	2.8	+1.2	18.3	0	15	15	04	5	1	1	2	4	9	4	0	0
MAHUVA	0830	9	1012.9	1011.9	..	25.1	19.5	16.1	18.1	57	..	3.7	..	3.1	0	0	22	05	7	3	0	0	0	0	7	8	0
	1730	9	1010.0	1009.0	..	30.1	22.7	18.5	21.3	52	..	3.7	..	3.7	0	0	30	00	2	8	15	3	0	0	1	0	1
VERAVAL	0230	8	1011.4	1010.5	..	22.7	19.5	17.5	20.2	73	..	1.1	..	12.1	0	5	20	12	4	0	0	1	0	0	8	5	0
	0530	8	1011.2	1010.3	..	21.9	18.7	16.4	19.0	73	..	1.5	..	14.6	0	7	22	18	6	0	0	2	0	0	3	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - NOVEMBER,19[illegible](KARTIKA 10 - AGRAHAYANA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of normal standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SAURASHTRA AND KUTCH(INCLUDING DIU)																											
VERAVAL	0830	8	1013.2	1012.3	-0.8	24.4	19.8	16.7	19.4	65	+14	2.7	+1.2	13.3	0	6	19	08	10	0	1	0	0	0	6	5	0
	1130	8	1013.3	1012.4	..	32.2	22.5	16.4	19.4	42	..	2.7	..	15.7	0	10	18	07	9	4	1	2	0	2	3	2	0
	1430	8	1010.6	1009.7	..	30.8	25.6	23.1	31.1	66	..	3.1	..	17.3	0	11	18	00	3	1	2	5	3	11	4	1	0
	1730	8	1010.4	1009.5	-0.4	28.6	25.7	24.4	31.1	79	+14	3.2	+1.7	17.6	0	9	21	01	1	0	2	5	6	8	7	0	0
	2030	8	1012.8	1011.2	..	26.9	24.5	23.4	28.8	81	..	2.1	..	11.9	0	3	22	01	1	1	3	3	3	2	11	5	0
	2330	8	1012.6	1011.7	..	24.6	22.0	20.6	24.4	80	..	1.9	..	10.3	0	1	24	09	4	0	1	0	3	2	6	5	0
DIU	0830		1014.2	1012.4	..	26.4	19.1	14.0	16.0	47	..	2.5	..	5.5	0	1	21	10	12	0	0	0	0	0	0	8	0
	1730		1010.8	1009.1	..	28.7	24.1	21.8	26.1	66	..	3.3	..	7.1	0	1	24	01	1	5	7	1	9	1	0	5	0
KONKAN(INCLUDING GOA)																											
DAHANU	0530	5	1010.4	1009.9	..	23.4	22.3	21.7	25.9	90	..	2.0	..	3.7	0	0	27	00	1	14	11	1	0	0	0	3	0
	0830	5	1012.1	1011.6	-1.1	26.2	23.7	22.4	27.3	80	+12	2.8	+1.1	4.8	0	0	26	01	1	14	10	0	0	0	0	4	0
	1130	5	1012.4	1011.9	..	31.0	27.1	25.7	32.6	74	..	2.5	..	8.8	0	1	28	06	1	3	5	1	1	3	9	1	0
	1730	5	1009.5	1009.0	-1.0	28.9	27.5	26.9	36.3	89	+18	3.2	+1.7	10.9	0	1	29	16	1	0	0	0	0	5	8	0	0
	2330	5	1011.3	1010.8	..	25.2	23.7	23.0	27.6	87	..	2.3	..	3.4	0	0	22	02	3	8	8	0	0	1	0	8	0
BOMBAY(SANTACRUZ)	0230	14	1010.4	1008.7	..	24.2	21.7	20.3	23.8	79	..	2.5	..	3.5	0	0	15	01	3	6	0	0	0	0	5	15	0
	0530	14	1010.5	1008.8	..	23.7	21.0	19.5	23.2	78	..	1.8	..	6.0	0	0	21	04	8	7	0	1	0	0	1	9	0
	0830	14	1012.6	1010.9	-0.9	27.2	22.1	19.2	22.4	63	+ 2	2.8	+0.7	5.1	0	0	20	01	7	10	1	1	0	0	0	10	0
	1130	14	1012.3	1010.7	..	32.2	23.3	18.1	21.0	45	..	3.2	...	8.7	0	0	25	00	7	9	2	1	0	3	2	5	1
	1430	14	1009.4	1007.8	..	32.5	24.0	19.4	22.9	48	..	3.7	..	14.1	0	5	24	00	1	3	1	0	2	13	9	1	0
	1730	14	1009.3	1007.7	-1.1	29.9	24.1	21.2	25.3	61	+ 8	4.1	+2.0	13.7	0	4	26	01	0	0	0	1	1	5	22	0	0
	2030	14	1011.3	1009.7	..	27.3	23.6	21.8	25.9	74	..	2.6	..	9.2	0	1	22	05	0	2	0	1	1	1	13	7	0
	2330	14	1011.6	1009.9	..	25.4	22.8	21.4	26.3	79	..	2.8	..	1.3	0	0	5	01	0	1	0	0	1	0	2	25	0
BOMBAY	0830	11	1012.5	1011.0	-0.7	26.4	23.1	21.5	25.6	75	+ 2	2.3	+0.2	8.3	0	0	30	02	7	14	6	0	0	0	0	0	1
	1130	11	1012.4	1011.2	..	31.2	24.1	20.5	24.1	54	..	2.3	..	6.4	0	0	27	00	6	7	7	2	0	1	2	2	2
	1730	11	1009.4	1008.2	-0.7	29.4	24.7	22.5	22.5	67	+ 0	3.4	+1.4	12.1	0	2	28	03	0	0	0	0	2	5	20	0	0
ALIBAG	0830	7	1012.6	1011.8	-0.5	26.2	23.0	21.3	25.0	75	+ 6	2.5	+0.6	3.2	0	0	20	00	4	14	1	1	0	0	0	10	0
BHIRA	0830	96	1012.0	1001.1	..	25.2	21.0	18.5	20.6	69	..	1.3	..	0.3	0	0	2	00	0	1	1	0	0	0	0	28	0
	1730	96	1008.2	997.5	..	30.2	23.8	20.3	24.3	57	..	3.0	..	0.7	0	0	8	00	0	1	5	2	0	0	0	22	0
HARNAI	0830	20	1012.4	1010.0	-0.4	27.6	22.7	19.5	23.5	63	+ 3	0.1	-2.5	12.6	0	8	22	01	9	11	2	3	3	0	1	0	0
	1730	20	1009.7	1007.4	-0.2	29.8	24.8	22.5	27.2	65	- 4	0.8	-2.0	17.1	0	10	20	00	0	0	0	2	2	4	22	0	0
RATNAGIRI	0830	35	1012.2	1008.2	-0.6	26.4	22.5	20.4	24.1	71	+ 6	2.7	+0.1	7.4	0	0	29	00	3	7	19	0	0	0	0	1	0
	1730	35	1009.1	1005.1	-0.7	29.1	24.7	22.6	27.6	69	+ 4	3.7	+0.8	8.5	0	0	30	04	0	0	1	1	2	5	17	0	0
DEVGARH	0830	36	1012.2	1008.2	-0.4	25.9	22.9	21.3	23.8	77	+ 6	3.9	+1.0	7.5	0	0	28	00	2	23	2	0	0	1	0	2	0
	1730	36	1009.0	1005.0	-0.5	29.6	25.3	23.3	28.6	69	+ 3	4.3	+1.2	17.2	0	9	21	01	0	0	0	1	2	12	14	0	0
VENGURLA	0230	9	1010.8	1009.8	..	24.3	22.8	22.1	26.6	89	..	2.6	..	0.3	0	0	2	02	0	0	0	0	0	0	0	28	0
	0530	9	1010.4	1009.4	..	23.2	22.2	21.6	25.9	91	..	3.0	..	1.3	0	0	9	07	2	0	0	0	0	0	0	21	0
	0830	9	1012.6	1011.6	-0.4	26.0	23.3	21.9	26.3	79	+ 5	3.4	+0.0	1.5	0	0	10	06	0	1	0	0	1	1	1	20	0
	1130	9	1012.2	1011.2	..	31.4	24.3	20.6	24.6	54	..	3.1	..	5.5	0	0	29	03	5	4	2	3	10	2	0	1	0
	1730	9	1009.4	1008.4	-0.3	29.5	24.9	22.8	27.7	68	+ 4	4.2	+0.3	4.9	0	0	29	02	1	0	0	1	9	15	1	1	0
	2330	9	1011.8	1010.8	..	25.0	23.5	22.9	27.6	88	..	3.3	..	1.1	0	0	7	04	2	0	0	0	0	0	1	23	0
PANJIM	0530	60	1009.9	1003.0	..	24.0	22.8	22.2	26.7	90	..	3.5	..	5.7	0	0	25	03	9	10	1	0	0	2	0	5	0
	0830	60	1011.9	1005.1	..	25.0	22.8	21.7	25.9	82	..	4.6	..	7.8	0	0	30	01	11	15	1	0	0	4	0	0	0
	1130	60	1011.8	1005.1	..	30.3	23.8	20.5	24.1	57	..	4.4	..	8.4	0	1	29	00	5	5	4	0	7	7	2	0	0
	1430	60	1008.5	1002.1	..	31.4	24.8	21.7	25.6	57	..	4.3	..	11.0	0	1	29	01	1	3	0	0	16	9	0	0	0
	1730	60	1008.9	1002.2	..	29.2	24.4	22.1	26.6	66	..	4.8	..	9.6	0	0	30	00	1	0	0	0	10	17	2	0	0
	2030	60	1011.1	1004.3	..	27.1	24.3	23.0	27.6	79	..	4.3	..	4.9	0	0	26	07	9	0	1	0	4	2	3	4	0
	2330	60	1011.5	1004.7	..	26.0	24.0	23.1	28.3	84	..	4.0	..	6.1	0	0	23	04	11	5	0	0	1	1	1	7	0
MORMUGAO	0530	62	1010.2	1003.2	..	25.2	23.0	21.9	26.3	82	..	3.8	..	4.9	0	0	26	00	12	11	2	0	0	1	0	4	0
	0830	62	1012.1	1005.1	-0.3	27.0	23.4	21.7	25.5	74	+ 5	4.7	+1.6	7.1	0	1	25	02	10	11	3	0	0	0	0	4	0
	1130	62	1011.8	1004.9	..	29.9	23.9	21.1	24.4	60	..	4.5	..	8.5	0	0	30	02	4	8	2	2	5	4	3	0	0
	1730	62	1008.9	1002.0	+0.0	29.2	24.6	22.3	27.0	67	+ 2	5.3	+2.0	10.0	0	2	28	01	2	0	0	1	7	11	8	0	0
DABOLIM(NAVAL AIR STN.)	0530	52	1009.9	1004.1	..	24.2	22.9	22.1	26.9	88	..	3.7	..	6.5	0	0	20	00	15	3	1	0	1	0	0	10	0
	0830	52	1012.0	1006.2	..	26.5	22.8	20.8	24.9	72	..	4.7	..	6.3	0	0	23	01	13	7	2	0	0	0	0	7	0
	1130	52	1011.9	1006.2	..	30.0	24.3	20.8	24.7	59	..	4.3	..	10.0	0	0	28	01	4	5	4	3	6	3	2	2	0
	1730	52	1008.9	1003.2	..	29.4	24.2	21.7	25.9	64	..	5.1	..	13.5	0	2	28	01	1	0	0	2	4	15	7	0	0
	2330	52	1011.4	1005.6	..	26.4	24.1	23.0	28.3	82	..	4.4	..	4.0	0	0	12	01	7	2	0	1	0	1	8	18	0
MADHYA MAHARASHTRA																											
NANDURBAR	0830	206	1013.7	990.2	-1.6	25.3	19.3	15.3	17.7	55	+ 6	.	..	6.7	0	0	29	00	14	0	13	0	2	0	0	1	0
	1730	206	1009.3	986.5	-1.5	31.4	21.6	15.4	17.8	40	+ 0	.	..	6.0	0	0	28	00	12	0	9	0	3	0	4	2	0
JALGAON	0830	201	1014.5	991.4	-0.3	22.0	17.9	14.9	17.1	65	+ 4	3.4	+1.9	8.6	0	1	26	00	3	15	7	1	0	0	1	3	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - NOVEMBER, 1969 KARTIKA 10 - AGRAHAYANA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or ht. in gpm. of mean sea level pressure surface	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind speed (Km. per hour) 0 or Calm	2 to 8	9 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HYA MAHARASHTRA (CONTD)																											
ALGAON	1730	201	1009.9	987.5	-1.0	30.5	20.9	14.4	16.8	40	+10	3.5	+1.7	6.5	0	1	26	03	8	14	0	0	1	0	1	3	0
AL EGAON	0830	437	1014.1	964.7	-0.6	21.8	15.5	11.5	12.5	56	- 1	2.3	+0.3	2.7	0	0	17	01	3	1	0	0	3	5	4	13	0
	1730	437	1009.0	961.0	-0	..	..	..	..	..	..	3.0	+0.7	4.6	0	0	25	01	12	5	4	0	0	0	1	4	0
EAR	0230	608	1012.2	943.6	..	18.8	15.4	12.8	15.1	70	..	3.2	..	4.9	0	0	17	00	1	3	2	0	2	2	7	13	0
	0530	608	1012.5	943.7	..	17.5	14.8	12.6	14.9	74	..	3.1	..	2.9	0	0	13	03	1	1	1	0	2	1	4	17	0
	0830	608	1013.6	945.7	..	22.0	16.9	13.3	15.7	60	..	3.5	..	3.3	0	0	14	00	2	6	0	1	1	3	1	16.	0
	1130	608	1011.9	945.4	..	28.2	19.9	14.5	16.7	45	..	3.5	..	14.6	0	8	21	00	3	12	9	3	1	0	1	1	0
	1430	608	1008.5	942.6	..	30.1	19.5	12.7	14.9	36	..	4.1	..	11.3	0	3	23	01	4	7	7	2	3	1	0	4	1
	1730	608	1008.6	942.4	..	28.5	19.4	13.6	15.6	42	..	4.2	..	9.4	0	3	21	02	4	8	3	2	0	3	2	6	0
	2030	608	1012.0	944.5	..	23.0	17.6	14.0	16.2	59	..	3.8	..	6.9	0	1	18	02	2	3	3	0	0	1	8	11	0
	2330	608	1012.9	944.6	..	20.1	16.3	13.6	15.7	67	..	3.3	..	4.0	0	1	12	00	3	0	1	0	3	2	4	17	0
NNADNAGAR	0830	657	1012.9	939.7	-1.2	21.7	17.6	14.8	17.1	66	+ 7	4.6	+2.3	2.3	0	0	9	00	2	0	2	1	0	0	4	21	0
	1730	657	1008.6	937.3	-0.4	28.5	19.8	14.3	16.1	45	+ 5	4.6	+2.0	7.3	0	1	26	00	19	0	4	0	2	0	2	3	0
ODNA AERODROME	0230	593	1011.6	945.1	..	20.6	17.3	14.9	17.6	72	..	2.0	..	7.7	0	0	22	01	5	5	1	1	2	7	0	8	0
	0530	593	1011.9	945.2	..	19.5	16.7	14.9	16.9	75	..	2.2	..	4.9	0	0	15	02	6	1	0	0	0	6	0	15	0
	0830	593	1013.6	947.1	..	21.9	17.8	15.0	17.4	67	..	3.5	..	8.1	0	0	19	01	7	7	0	0	1	2	1	11	0
	1130	593	1011.7	946.8	..	28.1	19.6	14.3	16.7	44	..	4.0	..	16.6	0	9	21	02	2	20	1	1	1	2	1	0	0
	1730	593	1008.4	943.8	..	28.4	19.5	13.7	15.8	43	..	4.7	..	16.6	0	8	19	04	5	13	0	0	1	3	1	2	0
	2330	593	1012.2	946.0	..	22.3	17.9	14.6	17.4	64	..	3.3	..	10.7	0	1	25	03	4	9	1	0	2	7	0	4	0
ODNA	0530	559	1012.7	949.2	..	17.6	15.9	14.7	16.1	83	..	2.3	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	0830	559	1014.0	951.3	-0.9	21.9	18.3	16.1	18.4	70	+ 5	3.5	+1.2	0.2	0	0	1	00	0	0	0	0	0	1	0	29	0
	1130	559	1012.1	950.8	..	28.3	20.4	15.7	18.2	48	..	4.4	..	3.8	0	0	19	00	1	15	1	1	1	0	0	11	0
	1430	559	1008.5	947.8	..	30.3	20.3	14.2	16.5	39	..	5.0	..	3.2	0	0	16	02	0	10	2	0	0	1	1	14	0
	1730	559	1008.7	947.7	-0.1	28.6	19.8	14.3	16.6	44	+ 5	5.5	+2.5	1.1	0	0	6	00	1	1	1	0	0	2	1	24	0
	2030	559	1012.0	949.8	..	23.5	18.6	15.4	17.8	62	..	3.6	..	0.9	0	0	4	00	0	2	1	0	0	1	0	26	0
	2330	559	1012.9	950.1	..	21.4	17.7	15.4	17.6	70	..	2.7	..	0.5	0	0	3	00	0	1	0	0	0	2	0	27	0
EUR	0830	521	1013.8	955.4	-0.3	22.6	19.8	17.9	21.0	77	+16	2.4	+0.2	2.7	0	0	30	06	10	4	3	0	1	1	3	0	0
	1730	521	1009.1	952.2	+0.1	29.1	25.1	23.5	28.9	74	+34	2.6	+0.0	4.3	0	0	30	05	9	8	4	2	0	1	1	0	0
ARANATI	0830	551	1013.5	951.6	-1.4	21.3	18.4	16.6	19.0	75	+ 8	2.4	-0.3	3.5	0	0	21	05	2	8	1	1	0	2	2	9	0
	1730	551	1008.1	948.0	-1.3	29.0	21.6	17.5	20.1	52	+ 9	2.9	-0.5	7.7	0	0	30	06	3	12	5	1	0	3	0	0	0
HOLAPUR	0530	479	1011.8	957.7	..	20.4	17.8	16.2	18.5	78	..	2.1	..	3.4	0	0	21	01	7	9	2	1	0	0	1	9	0
	0830	479	1013.6	960.0	-0.3	24.2	19.6	16.9	20.0	65	+ 8	3.7	+1.1	5.1	0	0	24	00	14	5	3	0	0	0	2	6	0
	1130	479	1012.1	959.3	..	28.3	20.7	16.4	18.8	50	..	4.2	..	7.9	0	3	24	03	2	7	10	2	2	1	0	3	0
	1430	479	1008.6	956.3	..	29.8	20.8	15.7	17.9	45	..	4.2	..	7.0	0	1	24	02	10	6	5	1	1	0	0	5	0
	1730	479	1008.8	956.3	-0.1	29.1	20.5	15.2	17.6	46	+10	3.8	+0.6	4.9	0	0	24	00	11	6	3	1	0	2	1	6	0
	2330	479	1012.1	958.5	..	23.3	18.7	15.8	18.2	65	..	2.1	..	5.9	0	0	24	01	7	9	4	0	0	2	1	6	0
IRAJ	0830	554	..	..	..	22.9	20.1	18.6	21.3	78	+13	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
	1730	554	..	..	..	27.1	22.3	19.8	22.9	67	+25	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
OLHAPUR	0530	570	1011.4	947.3	-0.6	19.8	18.0	16.9	19.4	83	+41	2.3	-1.0	3.0	0	0	10	00	2	5	0	0	0	2	1	20	0
	0830	570	1013.3	949.5	-0.6	21.8	18.8	17.0	19.4	75	+ 9	4.1	+1.5	4.3	0	0	17	00	4	12	0	0	0	0	1	13	0
	1130	570	1011.8	948.3	..	27.5	20.3	16.1	20.0	53	..	4.6	..	10.1	0	0	24	00	0	23	0	0	0	1	0	6	0
	1730	570	1008.3	946.1	-0.4	28.0	20.1	15.2	17.7	48	+ 7	5.4	+2.0	9.9	0	1	25	00	5	14	1	0	1	3	2	4	0
	2330	570	1012.8	948.5	..	22.5	19.3	17.4	20.0	74	..	3.3	..	3.9	0	0	15	00	2	7	0	0	1	4	1	15	0
ASIK	0830	0	..	..	..	21.9	18.8	17.0	19.3	74	..	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
ANGLI	0830	549	1013.1	951.6	-7.9	21.8	18.7	16.8	19.5	74	-16	3.3	+1.3	2.9	0	0	20	02	2	5	1	1	0	3	6	10	0
	1730	549	1008.1	948.2	-4.8	28.4	21.5	17.8	20.5	54	+54	4.4	+4.2	7.6	0	0	28	01	13	8	2	1	1	2	0	2	0
ATARA	0830		(R)																								
ATHWADA	1730		(R)																								
URANGABAD	0830	581	1014.6	949.7	-0.2	22.9	17.9	14.5	16.9	61	+ 5	4.0	+1.7	5.3	0	0	28	00	3	18	3	1	1	2	0	2	0
	1730	581	1008.9	946.2	-0.4	28.5	19.2	12.9	15.7	40	+ 2	4.4	+1.7	9.8	0	0	30	02	9	15	1	0	2	1	0	0	0
URANGABAD (CHIKALTHAN)	0230	579	1012.6	946.8	..	17.7	14.8	12.1	14.7	72	..	3.2	..	3.9	0	2	6	01	2	3	0	1	0	1	0	22	0
	0530	579	1013.1	947.1	..	16.7	14.3	12.3	15.7	76	..	3.1	..	3.0	0	1	6	01	1	2	2	0	0	0	1	23	0
	0830	579	1013.9	949.1	-1.0	22.5	17.4	13.9	15.9	60	+ 5	3.7	+1.9	9.7	0	2	20	02	5	7	3	1	0	1	3	8	0
	1130	579	1012.3	948.7	..	28.1	19.6	14.2	17.8	45	..	3.9	..	18.1	0	10	20	01	10	10	6	1	1	0	1	0	0
	1430	579	1009.0	945.9	..	29.6	19.9	13.7	16.2	40	..	4.3	..	18.8	0	12	18	02	11	6	7	0	3	0	0	8	1
	1730	579	1009.0	945.7	-1.1	28.2	19.2	13.4	15.4	42	+ 2	4.5	+2.0	15.1	0	5	23	05	12	6	3	1	0	1	0	2	0
	2030	579	1012.4	947.8	..	22.9	17.5	13.7	15.9	58	..	3.9	..	7.5	0	1	17	07	6	2	0	2	0	1	0	12	0
	2330	579	1013.4	948.0	..	19.8	15.9	13.1	15.3	66	..	3.6	..	5.7	0	2	11	03	4	3	0	1	1	0	1	17	0
ARAHANI	0830	423	1014.3	966.5	-1.1	22.5	18.0	15.0	16.9	65	+10	4.2	+2.1	4.9	0	1	18	02	10	4	1	1	0	1	0	11	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - NOVEMBER,1969(KARTIKA 10 - AGRAHAYANA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs.: At station level	Mean pressure in mbs.: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	Wind speed: 62 or more	Wind speed: 20 to 61	Wind speed: 1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MARATHWADA (CONTD.)																											
PARBHANI	1730	423	1009.8	963.1	-0.9	28.6	19.8	14.0	16.0	47	+10	4.2	+1.5	7.4	0	2	24	00	11	13	2	0	0	0	0	4	0
NANDER	0830	358	1014.3	973.8	..	22.6	19.0	16.6	19.3	70	..	2.2	..	3.7 [b]	0	2	14	00	9	0	3	0	0	0	4	13	0
	1730	358	1010.1	970.4	..	29.3	21.2	16.1	18.8	47	..	2.7	..	5.9	0	0	23	00	19	0	4	0	0	0	0	7	0
BIR	0830	319	1014.6	956.0	..	21.5	18.1	16.0	18.3	72	..	4.3	..	1.1	0	0	9	00	4	0	1	0	4	0	0	21	0
	1730	319	1009.6	952.7	..	28.1	20.5	16.0	18.5	51	..	4.1	..	3.7	0	0	25	00	18	1	4	0	2	0	0	5	0
VIDARBHA																											
GONDIA	0830	313	1015.1	979.3	-1.0	21.7	17.8	14.9	17.3	66	- 1	2.0	+0.3	0.5	0	0	6	02	1	1	0	0	1	0	1	24	0
	1730	313	1010.7	975.8	+1.0	28.4	20.0	14.2	16.6	43	+ 1	2.4	+0.4	0.7	0	0	8	02	1	3	0	1	1	0	0	22	0
NAGPUR(SONEGAON)	0230	310	1012.6	976.9	..	19.5	16.7	14.6	16.9	73	..	1.8	..	4.5	0	1	23	13	3	1	0	1	0	0	6	6	0
	0530	310	1013.1	977.3	..	18.1	15.9	14.1	16.4	78	..	2.2	..	4.7	0	1	24	12	2	1	1	0	1	1	7	5	0
	0830	310	1014.9	979.5	-1.0	22.8	18.1	14.7	17.1	61	+ 2	3.2	+1.3	5.8	0	1	28	09	9	5	1	1	1	0	3	1	0
	1130	310	1013.3	978.9	..	28.9	20.4	14.9	17.2	43	..	3.4	..	10.0	0	3	26	01	5	11	6	4	1	1	0	1	0
	1430	310	1010.1	975.8	..	30.3	20.7	14.2	16.5	38	..	3.9	..	10.9	0	5	24	05	7	8	2	2	1	0	4	1	0
	1730	310	1010.6	976.0	-0.9	27.5	20.0	14.9	17.3	47	+ 4	3.9	+1.7	5.3	0	0	27	01	10	11	3	1	1	0	0	3	0
	2030	310	1013.1	977.9	..	23.0	18.3	15.1	17.4	62	..	2.5	..	3.7	0	1	22	03	5	11	2	1	0	0	1	7	0
	2330	310	1013.4	977.9	..	21.1	17.4	14.7	17.0	67	..	2.3	..	4.6	0	0	23	10	4	1	0	0	2	1	5	7	0
AMRAOTI	0830	370	1014.1	972.4	-0.7	23.9	17.7	12.7	15.4	52	+ 4	1.9	-0.2	3.5	0	0	28	04	12	9	2	0	1	0	0	2	0
	1730	370	1010.1	969.2	-0.7	29.1	19.3	11.8	14.6	37	+ 4	2.9	+0.4	3.8	0	0	29	02	9	7	6	3	0	1	1	1	0
AKOLA AERODROME	0230	309	(R)																								
	0530	309	1012.4	976.8	..	18.5	15.2	12.4	15.0	69	..	4.0	..	7.5	0	0	28	01	3	12	3	3	2	4	0	2	0
	0830	309	1014.0	978.8	..	23.1	17.4	13.0	15.5	65	..	4.3	..	8.7	0	0	30	01	9	13	2	1	0	4	0	0	0
	1130	309	1012.8	978.4	..	29.6	20.2	13.5	16.1	40	..	4.5	..	10.1	0	1	29	03	7	12	2	4	1	1	0	0	0
	1430	309	1009.5	975.4	..	31.5	20.0	11.5	14.2	32	..	4.6	..	10.5	0	1	29	04	10	9	3	1	0	0	3	0	0
	1730	309	1009.4	975.2	..	29.6	19.7	12.4	15.3	37	..	4.9	..	9.1	0	0	28	05	13	6	0	2	0	1	1	2	0
	2030	309	1012.0	977.0	..	24.5	17.9	12.7	15.3	50	..	4.3	..	9.0	0	1	29	00	5	16	5	1	0	1	2	0	0
	2330	309	1012.6	977.4	..	22.2	16.8	12.3	14.9	55	..	4.2	..	9.2	0	1	26	01	6	11	4	4	1	0	0	3	0
AKOLA	0830	282	1014.4	982.3	-0.4	22.6	17.6	13.8	16.3	59	+ 0	2.7	+0.7	5.2	0	0	25	00	14	0	5	0	5	0	1	5	0
	1730	282	1010.0	978.8	-0.2	29.9	20.1	13.3	15.6	37	+ 2	3.0	+1.0	8.1	0	0	26	00	18	0	3	0	1	0	4	4	0
BRAMHAPURI	0830	229	1014.7	988.5	-1.4	22.6	18.7	16.1	18.6	67	- 6	2.6	+0.4	3.7	0	0	24	07	6	5	3	3	0	0	0	6	0
	1730	229	1010.7	985.2	-1.3	29.0	20.4	14.7	17.2	43	+ 1	3.2	+0.8	3.3	0	0	27	06	11	5	0	5	0	0	0	3	0
BULDANA	0830	650	1013.9	941.5	-0.6	22.9	17.3	13.4	15.9	58	+ 4	3.6	+1.6	6.9	0	0	28	01	1	6	10	7	2	0	1	2	0
	1730	650	1009.6	938.6	-0.6	27.2	18.8	13.1	15.7	44	+ 3	3.9	+1.8	4.1	0	0	24	02	12	0	7	0	0	0	3	6	0
YEOTMAL	0830	451	1013.9	963.2	-1.0	23.8	17.6	12.6	15.2	52	- 1	2.1	-0.2	8.8	0	1	29	05	12	6	3	1	3	0	0	0	0
	1730	451	1009.9	960.1	-1.0	27.5	18.9	12.3	14.9	41	- 1	2.6	+0.2	7.1	0	2	28	02	12	11	3	1	0	0	1	0	0
CHANDRAPUR	0830	193	1014.1	991.9	-1.2	22.5	18.9	16.6	19.1	69	- 3	3.3	+1.1	4.7	0	1	23	03	2	10	1	2	1	1	4	6	0
	1730	193	1009.9	988.3	-1.0	28.5	21.2	16.7	19.3	50	- 3	3.4	+1.0	4.1	0	0	25	01	11	10	1	2	0	0	0	5	0
PUSAD	0830	334	1015.1	977.0	..	21.9	18.8	16.1	18.7	72	..	2.0	..	4.9	0	0	30	02	9	0	2	0	4	0	13	0	0
	1730	334	1011.1	974.1	..	29.3	21.9	17.3	20.6	51	..	2.1	..	6.8	0	0	30	00	18	1	7	0	2	0	2	0	0
SIRONCHA	0830	123	1014.5	1000.4	-0.8	23.8	21.0	19.4	22.7	77	+ 0	3.8	+1.3	1.7	0	0	23	03	7	5	5	0	0	0	3	7	0
	1730	123	1010.6	996.7	-0.8	27.9	22.3	19.1	22.5	61	+10	3.1	+0.3	1.9	0	0	21	03	9	5	4	0	0	0	0	9	0
WARDHA	0830	283	1014.2	982.1	..	24.1	17.9	13.3	15.7	52	..	1.0	..	3.4	0	0	30	10	9	5	3	0	1	0	2	0	0
	1730	283	1010.6	978.9	..	27.7	19.9	14.6	17.1	46	..	1.6	..	2.9	0	0	29	09	8	4	4	3	0	1	0	1	0
BHANDARA	0830	266	1014.5	984.2	..	23.4	18.9	15.9	18.5	64	..	.	..	4.9	0	0	28	05	5	3	2	3	7	0	0	2	3
	1730	266	1010.6	980.9	..	27.6	20.3	15.8	18.4	49	..	.	..	3.5	0	0	24	02	15	2	2	0	0	0	0	6	3
COASTAL ANDHRA PRADESH																											
KALINGAPATAM	0830	6	1013.9	1013.2	-0.2	25.4	23.3	22.3	27.0	83	+ 2	3.4	-0.2	7.0 [b]	0	1	27	09	1	1	1	1	2	1	8	1	4
	1730	6	1010.8	1010.1	-0.4	26.5	23.5	21.9	26.5	77	+ 9	3.7	-0.1	9.7	0	3	25	06	4	5	3	5	1	0	2	1	2
VISHAKHAPATNAM	0230	3	1011.4	1011.0	..	23.9	22.3	21.4	25.7	87	..	4.5	..	5.8	0	2	14	04	3	1	0	0	1	1	6	14	0
	0530	3	1011.7	1011.3	..	23.6	21.9	21.0	25.0	86	..	5.7	..	6.0	0	2	17	03	6	1	0	0	0	3	6	11	0
	0830	3	1013.8	1013.4	-0.1	26.1	22.9	21.2	25.4	75	+ 7	5.1	+1.6	8.5	1	1	22	05	3	5	1	0	0	0	10	6	0
	1130	3	1012.8	1012.4	..	28.5	23.6	21.1	25.2	65	..	5.8	..	13.4	1	4	24	02	6	10	6	2	1	1	1	1	0
	1430	3	1010.4	1010.0	..	28.3	23.9	21.7	26.1	69	..	5.7	..	14.8	0	10	18	01	4	11	8	2	0	0	2	2	0
	1730	3	1011.1	1010.7	+0.1	26.5	23.2	21.4	25.8	74	+ 1	5.6	+1.9	11.3	0	2	24	00	6	12	6	0	2	0	0	4	0
	2030	3	1013.1	1012.7	..	25.4	22.9	21.6	26.0	81	..	4.1	..	6.4	0	1	22	03	8	7	3	0	0	0	2	7	0
	2330	3	1012.8	1012.4	..	24.6	22.7	21.8	26.3	85	..	5.0	..	4.9	0	1	16	03	5	2	1	0	1	1	4	13	0
KAKINADA	0830	8	1012.8	1011.9	-1.0	27.0	23.9	22.4	27.2	76	+ 5	4.6	+1.2	14.0	0	9	21	04	11	4	5	0	1	0	5	0	0
	1730	8	1010.1	1009.2	-0.5	26.9	24.0	22.6	27.5	78	+ 9	4.7	+1.1	16.3	1	7	22	01	12	5	11	1	0	0	0	0	0
NIDADAVOLE	0830	12	1013.1	1011.6	-1.9	25.1	23.1	22.2	26.8	84	+ 5	5.0	+0.9	7.1	0	1	29	12	11	4	1	0	0	0	2	0	0
	1730	12	1009.6	1008.2	-1.9	27.2	24.1	22.5	27.5	76	+10	6.8	+1.9	10.1	0	3	27	00	5	17	5	0	3	0	0	0	0
RENTACHINTALA	0830	106	1013.5	1001.4	-0.3	24.5	22.1	20.9	24.9	81	+ 7	4.3	+0.3	0.5	0	0	6	02	0	2	0	1	1	0	0	24	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — NOVEMBER,1969(KARTIKA 10 - AGRAHAYANA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ...	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km p.h.) 62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL ANDHRA PRADESH																											
RENTACHINTALA	1730	106	1010.0	998.1	+0.1	27.6	22.6	19.8	23.4	64	+14	4.3	-0.1	0.3	0	0	4	02	0	1	0	0	0	1	0	26	0
GANNAVARAM	0230	24	1010.8	1008.1	..	23.7	22.4	21.7	26.1	89	..	3.5	..	7.0	0	1	13	01	7	4	0	1	0	0	1	16	0
	0530	24	1011.0	1008.2	..	23.3	22.1	21.5	25.8	90	..	3.9	..	7.3	0	3	15	03	9	4	1	0	0	0	1	12	0
	0830	24	1013.1	1010.4	-0.9	25.6	23.2	21.9	26.5	80	+10	4.5	+1.2	11.5	0	4	23	03	15	6	2	0	0	1	0	3	0
	1130	24	1012.3	1009.6	..	28.4	23.8	21.6	25.9	67	..	5.4	..	13.7	0	7	22	03	11	11	1	1	0	0	2	1	0
	1430	24	1009.4	1006.7	..	29.0	23.5	20.6	24.3	62	..	5.6	..	13.6	0	3	26	02	11	9	3	1	2	0	1	1	0
	1730	24	1009.7	1007.0	-0.9	26.8	23.4	21.6	26.0	75	+13	5.7	+1.7	10.3	1	1	23	03	5	8	5	1	2	0	1	5	0
	2030	24	1011.8	1009.1	..	25.0	23.1	22.2	26.9	85	..	3.8	..	9.1	1	1	19	01	6	9	4	0	0	1	0	9	0
	2330	24	1012.1	1009.3	..	24.2	22.8	22.1	26.7	87	..	3.8	..	7.1	0	3	13	01	5	7	2	0	1	0	0	14	0
MASULIPATAM	0830	3	1012.9	1012.6	-0.7	25.5	23.6	22.6	27.6	84	+ 5	5.3	+1.8	4.1	0	0	28	05	13	3	3	1	0	0	2	2	1
	1730	3	1009.4	1009.1	-1.1	27.1	24.1	22.7	27.7	77	+ 5	5.7	+1.8	6.3	0	1	29	00	1	18	7	1	0	1	1	0	1
ONGOLE	0830	12	1012.8	1011.5	-1.0	25.5	23.9	23.1	28.4	87	+12	3.1	-0.7	5.2	0	1	27	19	4	2	1	1	0	1	0	2	0
	1730	12	1009.9	1008.5	-0.7	27.1	24.9	23.7	29.4	82	+15	3.2	-0.4	4.6	0	1	26	04	3	18	0	0	0	0	2	2	0
NELLORE	0530	20	1010.4	1008.1	..	24.3	23.2	22.6	27.5	91	..	4.3	..	6.5	0	2	17	00	7	1	1	0	1	3	6	11	0
	0830	20	1012.5	1010.3	+0.6	25.8	24.1	23.3	28.7	87	+ 3	3.7	-1.1	8.9	0	1	29	00	10	0	1	0	2	0	17	0	0
	1130	20	1012.0	1009.8	..	28.8	24.6	22.6	27.5	71	..	5.4	..	12.3	0	2	28	07	13	0	2	0	1	0	7	0	0
	1430	20	1009.4	1007.2	..	29.7	24.9	22.7	27.7	68	..	5.4	..	13.1	0	4	26	04	11	6	2	0	2	0	5	0	0
	1730	20	1009.7	1007.5	-0.4	27.9	24.5	23.0	28.1	75	+ 0	5.9	+0.9	7.7	0	1	28	04	12	3	2	0	1	0	7	0	0
	2330	20	1011.6	1009.3	..	25.6	23.9	23.0	28.2	86	..	4.1	..	7.4	0	0	27	02	13	5	2	0	1	0	4	3	0
VISHAKHAPATNAM(SOLAR)	0830		(R)																								
TELANGANA																											
RAMGUNDAM	0830	156	1013.3	995.7	-1.2	24.2	21.2	19.4	22.8	75	+ 9	3.2	+0.7	2.3	0	0	27	05	11	0	5	3	0	0	3	3	0
	1730	156	1010.3	990.4	-3.0	28.9	22.2	18.2	21.4	54	+10	2.4	-0.4	2.2	0	0	17	05	6	2	3	1	0	0	0	13	0
NIZAMABAD	0830	381	1013.9	970.7	-0.4	22.9	20.1	18.4	21.4	76	+10	3.6	+1.2	0.8	0	0	5	00	2	0	2	0	0	0	0	25	1
	1730	381	1009.7	967.5	-0 A..	..	..	..	..	.	..	4.3	+1.7	0.7	0	0	4	01	2	0	1	0	0	0	0	26	0
HANAMKONDA	0830	269	1013.6	982.0	-1.9	22.8	20.9	19.8	23.3	83	+14	4.1	+1.5	1.9	0	0	26	05	2	5	4	8	0	1	1	4	0
	1730	269	1010.6	980.9	+0.4	27.1	21.8	18.8	22.2	62	+14	2.3	-0.4	1.6	0	0	24	16	3	2	3	0	0	0	0	6	0
HAKIMPET AERODROME	0530	613	1012.0	943.2	..	19.9	18.5	17.4	20.2	87	..	3.8	..	13.3	1	2	23	02	3	6	12	1	1	1	0	4	0
	0830	613	1013.0	944.7	..	22.4	19.7	18.1	21.4	79	..	5.2	..	14.7	0	4	24	03	5	5	12	3	0	0	0	2	0
	1130	613	1011.7	944.4	..	25.9	20.8	17.8	20.9	64	..	5.0	..	19.5	0	11	19	01	5	7	13	2	1	1	0	0	0
	1730	613	1010.3	942.9	..	25.2	20.0	16.9	19.8	63	..	4.1	..	16.0	0	7	23	01	9	13	5	1	1	0	0	0	0
	2330	613	1012.5	944.1	..	21.2	18.8	17.2	20.2	80	..	2.8	..	12.1	0	3	26	01	5	13	8	2	0	0	0	1	0
BHADRACHALLAM	0830	111	1013.2	1000.5	-1.8	24.1	22.5	21.7	26.1	87	+ 8	4.8	+1.4	3.1	0	0	30	01	25	0	2	0	0	0	2	0	0
	1730	111	1009.5	997.0	-1.5	27.4	23.3	21.3	25.5	70	+15	4.2	+0.7	3.1	0	0	30	00	26	0	2	0	0	0	2	0	0
HYDERABAD(BEGAMPET)	0230	545	1011.6	950.3	..	19.7	18.5	17.7	20.6	89	..	3.0	..	4.3	0	1	15	04	2	4	4	1	0	0	1	14	0
	0530	545	1011.9	950.3	..	19.0	17.8	17.1	19.8	89	..	3.4	..	4.9	0	1	16	03	2	4	6	0	1	0	1	13	0
	0830	545	1013.6	952.5	-0.5	21.6	19.3	17.9	20.8	81	+13	4.9	+1.4	6.9	0	2	20	03	4	3	11	1	0	0	0	8	0
	1130	545	1012.1	952.0	..	26.4	20.3	16.6	19.5	59	..	5.0	..	12.5	0	4	26	04	5	8	12	1	0	0	0	0	0
	1730	545	1009.6	949.7	+0.0	26.3	20.0	16.1	18.8	56	+ 8	4.7	+1.0	9.3	0	2	27	03	7	13	5	1	0	0	0	1	0
	2330	545	1012.9	951.7	..	20.8	19.0	17.9	20.8	84	..	3.2	..	4.9	0	1	22	04	10	4	5	0	0	0	0	7	0
KHAMMAM	0830	112	1013.5	1000.7	-0.6	24.6	22.5	21.2	25.4	82	+ 5	5.3	+2.0	2.4	0	0	12	03	0	3	4	0	0	2	0	18	0
	1730	112	1010.2	997.6	-0.3	28.2	22.7	19.8	23.3	62	+12	5.4	+1.7	1.1	0	0	9	02	0	7	0	0	0	0	0	21	0
MAHBUBNAGAR	0830	505	1012.7	956.3	-1.4	23.9	20.2	18.0	21.0	72	+ 7	4.9	+1.6	8.5	0	1	25	00	4	17	4	0	0	0	1	4	0
	1730	505	1008.8	953.2	-1.2	27.1	20.4	16.6	19.2	54	+ 7	4.9	+1.2	7.9	0	0	30	00	8	19	0	2	0	0	1	0	0
RAYALASEEMA																											
KURNOOL	0830	281	1013.8	982.0	+0.3	24.7	21.0	18.9	22.0	71	- 1	4.0	+0.4	4.3	0	0	30	00	14	0	7	0	5	0	4	0	0
	1730	281	1009.3	978.1	+0.2	28.7	21.8	17.6	20.5	53	+ 9	5.3	+1.2	4.9	0	0	30	00	13	0	10	0	2	0	3	0	2
NANDYAL	0830	212	1012.3	988.2	..	24.1	21.7	20.3	24.0	80	..	3.4	..	4.5	0	1	22	09	6	5	1	0	0	1	1	7	0
	1730	212	1009.2	985.5	..	27.9	23.1	20.7	24.5	66	..	4.1	..	6.9	0	1	28	03	8	15	1	0	1	1	0	1	0
ANANTAPUR	0530	350	1010.8	971.1	..	21.8	20.0	19.0	22.1	84	..	3.5	..	4.9	0	0	17	01	5	9	0	0	0	1	1	13	0
	0830	350	1012.7	973.3	-0.7	24.3	20.9	18.9	22.0	72	+ 2	4.0	+0.5	5.2	0	0	19	01	3	13	0	0	0	1	1	11	0
	1130	350	1011.6	972.7	..	27.5	21.3	17.8	20.3	56	..	5.8	..	9.4	0	4	23	03	14	8	0	0	1	0	1	3	0
	1430	350	1008.3	969.7	..	29.2	21.4	16.5	19.0	49	..	5.6	..	9.7	0	1	27	01	17	6	1	0	0	1	2	2	0
	1730	350	1008.5	969.8	-0.3	28.5	21.4	17.2	19.8	52	+ 5	4.8	+0.8	12.0	1	1	26	01	10	14	1	0	0	1	1	2	0
	2030	350	1011.1	972.0	..	26.1	21.4	18.5	21.6	64	..	3.0	..	6.0	0	2	19	01	9	10	0	0	0	0	1	9	0
	2330	350	1011.6	972.3	..	24.3	20.8	18.8	21.7	72	..	3.2	..	8.9	0	2	23	00	6	12	4	0	0	1	2	5	0
CUDDAPAM	0830	130	1013.1	998.2	-0.6	25.5	22.6	21.1	25.2	77	+ 3	4.3	+0.1	0.3	0	0	2	00	0	2	0	0	0	0	0	28	0
	1730	130	1009.4	994.8	-0.2	28.4	23.7	21.2	25.4	67	- 4	4.3	-0.3	2.4	0	0	13	00	1	9	2	0	0	1	0	17	0
AROGYAVARAM	0830	701	1013.9	936.3	+0.5	22.5	19.8	18.3	21.1	78	- 1	5.2	+0.4	5.2	0	0	26	03	4	6	6	2	0	0	5	4	0
	1730	701	1009.3	932.6	-0.2	24.8	21.0	18.9	22.0	71	+ 7	6.1	+0.9	9.2	0	1	29	03	16	2	5	0	0	0	4	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — NOVEMBER, 1969 (KARTIKA 10 - AGRAHAYANA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or at gpm. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TAMIL NADU (INCLUDING PONDICHERRY)																											
MADRAS	0830	6	1012.8	1012.1	-0.2	26.6	24.1	23.0	28.1	81	+ 2	5.5	+0.4	6.5	0	2	22	02	14	4	0	0	1	3	0	6	0
	1730	6	1009.8	1009.1	..	27.6	24.1	22.4	27.3	75	..	5.6	..	6.5	0	1	25	02	15	8	0	0	0	1	0	4	0
MADRAS (MINAMBAKKAM)	0230	16	1010.1	1008.3	..	24.7	23.4	22.7	27.6	89	..	4.3	..	4.4	0	2	13	03	2	1	0	2	0	3	4	15	0
	0530	16	1010.4	1008.6	..	24.0	23.0	22.5	27.2	91	..	4.4	..	3.5	0	0	13	05	1	0	0	0	1	4	2	17	0
	0830	16	1012.5	1010.7	-0.2	26.0	23.7	22.6	27.4	82	- 1	5.2	-0.7	6.1	0	0	18	08	4	0	0	0	2	2	2	12	0
	1130	16	1011.7	1009.9	..	28.8	24.0	21.7	26.2	67	..	6.0	..	10.7	0	3	24	10	6	6	1	0	1	2	1	3	0
	1430	16	1009.0	1007.3	..	29.2	24.2	21.7	26.2	66	..	5.8	..	12.5	0	6	19	05	6	10	1	1	0	1	1	5	0
	1730	16	1009.6	1007.8	-0.3	27.5	24.0	21.9	26.6	72	- 4	6.1	+0.7	10.1	0	3	23	07	9	7	2	0	1	0	0	4	0
	2030	16	1011.9	1010.1	..	26.2	23.7	22.4	27.3	81	..	5.0	..	6.1	0	1	21	07	5	5	2	0	1	1	1	8	0
	2330	16	1011.8	1010.0	..	25.4	23.5	22.6	27.5	85	..	4.5	..	4.8	0	0	17	06	3	1	1	1	0	3	2	13	0
VELLORE	0530	214	1010.9	986.4	..	22.5	21.5	20.9	24.9	91	..	4.0	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	0830	214	1013.0	988.6	+0.0	24.3	22.2	20.9	24.9	82	- 1	4.6	-0.2	1.2	0	0	6	02	0	0	0	0	0	4	0	24	0
	1130	214	1011.7	987.7	..	28.3	22.8	19.8	23.4	63	..	5.4	..	6.5	0	1	19	04	7	2	1	0	0	3	3	10	0
	1730	214	1009.0	985.1	-0.2	28.2	22.5	19.2	22.6	61	- 3	4.8	-0.5	6.5	0	1	24	01	16	7	0	1	0	0	0	5	0
	2330	214	1012.2	987.9	..	24.8	22.5	21.3	25.4	82	..	4.2	..	1.7	0	0	7	00	3	2	0	2	0	0	0	23	0
TAMBARAM AERODROME	0830	29	1012.2	1008.8	..	25.9	24.1	23.3	28.6	86	..	5.0	..	9.3	0	2	24	09	4	2	1	0	1	3	6	4	0
	1730	29	1009.5	1006.3	..	27.9	24.3	22.6	27.4	74	..	5.9	..	16.4	0	9	20	02	7	14	4	1	1	0	0	1	0
TIRUPPATTUR	0830	390	1010.2	966.3	-3.0	22.4	21.5	21.0	25.0	92	+ 5	6.4	+1.2	2.1	0	0	17	02	0	0	0	15	0	0	0	13	0
	1730	390	1006.7	963.4	-2.7	25.8	22.7	21.2	25.1	76	+ 9	7.5	+1.6	4.0	0	0	27	08	0	0	1	18	0	0	0	3	0
METTUR DAM R.S.	0830		..	..	..	25.1	21.8	19.9	23.4	74	..	4.8	..	4.3	0	0	25	00	14	0	2	0	1	0	8	5	0
	1730		..	..	..	28.7	22.4	18.8	22.2	57	..	5.5	..	5.4	0	0	26	00	11	0	4	0	10	0	1	4	0
CUDDALORE	0530	12	1010.0	1008.6	..	24.2	23.3	22.9	28.0	93	..	4.3	..	1.4	0	0	7	01	5	0	0	0	1	0	0	23	0
	0830	12	1012.0	1010.7	-0.6	26.1	24.1	23.3	28.7	84	+ 1	5.3	+0.0	5.4	0	0	23	06	10	1	0	0	3	2	1	7	0
	1130	12	1011.4	1010.1	..	28.7	24.5	22.4	27.3	71	..	5.3	..	8.9	0	2	25	06	13	4	1	0	2	0	1	3	0
	1430	12	1008.8	1007.5	..	29.0	24.5	22.2	27.1	69	..	5.0	..	10.0	0	2	28	03	15	6	2	0	0	3	1	0	0
	1730	12	1009.2	1007.8	-0.3	27.8	24.3	22.5	27.5	75	- 1	5.3	-0.1	9.7	0	1	27	02	14	8	2	0	0	2	0	2	0
	2330	12	1011.4	1010.1	..	25.7	24.1	23.3	28.6	86	..	4.3	..	5.3	0	0	24	02	11	7	2	1	0	1	0	6	0
KALLAKKURICHCHI	0830	127	1012.2	997.7	-0.7	25.7	23.0	21.6	26.0	79	+ 2	4.3	-0.1	3.7	0	0	16	07	5	0	0	0	1	1	2	14	0
	1730	127	1008.7	994.5	-0.4	28.3	24.0	21.8	26.4	70	+ 5	4.5	-0.9	5.1	0	0	21	03	10	7	0	0	0	1	0	9	0
SALEM	0530	278	1009.8	978.2	..	22.4	20.5	19.3	22.6	83	..	2.7	..	2.0	0	0	8	03	4	0	0	1	0	0	0	22	0
	0830	278	1012.1	980.7	-0.3	24.7	21.3	19.4	22.6	73	- 5	4.5	+0.1	2.9	0	0	15	01	6	3	1	1	2	0	1	15	0
	1130	278	1011.1	980.1	..	28.4	22.1	18.4	21.6	56	..	5.1	..	5.6	0	0	24	02	0	13	1	5	1	1	0	6	1
	1730	278	1007.9	977.1	-0.3	28.7	22.2	18.3	21.6	56	- 5	5.4	+0.1	4.5	0	0	21	01	4	7	4	1	3	0	1	9	0
	2330	278	1011.1	979.8	..	25.2	21.6	19.6	23.1	72	..	2.6	..	4.4	0	0	16	00	8	7	1	0	0	0	0	14	0
COIMBATORE (PILAMEDU)	0530	399	1010.9	965.9	..	21.1	20.7	20.4	24.1	96	..	4.5	..	4.7	0	0	12	01	2	5	0	0	2	2	0	18	0
	0830	399	1012.8	968.0	+0.0	23.8	21.7	20.5	24.2	82	+ 3	5.0	+0.0	8.5	0	1	19	03	9	6	0	0	2	0	0	10	0
	1130	399	1011.5	967.3	..	27.3	22.4	19.6	23.1	64	..	5.0	..	12.4	0	5	20	00	11	9	2	0	3	0	0	5	0
	1430	399	1008.2	964.3	..	28.8	22.6	19.0	22.3	57	..	5.5	..	11.6	0	1	25	02	6	10	4	1	3	0	0	4	0
	1730	399	1008.5	964.5	+0.0	27.5	22.3	19.4	22.8	63	+ 3	5.6	+0.4	11.3	0	2	23	01	4	11	2	0	5	2	0	5	0
	2030	399	1011.5	966.9	..	24.4	22.1	20.9	24.8	82	..	4.0	..	6.3	0	0	16	01	5	2	1	1	4	1	1	14	0
	2330	399	1012.0	967.1	..	22.9	21.8	21.2	25.3	90	..	4.2	..	6.1	0	0	16	00	6	4	0	1	4	1	0	14	0
COIMBATORE	0830	409	1012.5	966.8	+0.3	24.5	21.3	19.3	22.7	74	- 4	5.6	+0.2	5.7	0	0	30	01	21	0	0	0	6	1	1	0	0
NAGAPATTINAM	0830	9	1012.2	1011.1	+0.0	26.3	24.1	23.0	28.2	83	+ 1	6.2	+0.5	8.7	0	2	27	03	6	1	2	0	2	4	11	1	0
	1730	9	1008.9	1007.8	-0.3	28.1	24.2	22.1	26.9	72	- 5	5.5	+0.0	13.3	0	7	22	02	20	2	1	1	0	1	2	1	0
TIRUCHCHIRAPPALLI	0230	109	1009.9	999.8	..	24.1	22.7	21.9	26.4	88	..	3.3	..	5.9	0	0	23	07	4	0	0	0	2	4	6	6	0
	0530	109	1010.0	999.9	..	23.5	22.2	21.6	25.9	90	..	4.5	..	6.6	0	1	23	07	4	0	1	0	1	7	4	6	0
	0830	109	1012.1	1002.2	-0.1	25.7	23.1	21.7	26.1	79	- 2	4.9	-0.2	10.9	0	4	24	08	8	1	0	0	0	8	3	2	0
	1130	109	1011.2	1001.3	..	28.8	23.4	20.5	24.4	63	..	5.0	..	15.0	0	9	21	06	13	1	0	0	1	5	3	0	1
	1430	109	1008.1	998.3	..	30.1	23.1	19.0	22.5	55	..	5.0	..	12.7	0	5	25	03	15	5	2	1	1	2	1	0	0
	1730	109	1008.5	998.6	-0.2	28.2	23.0	20.1	23.9	64	- 3	5.2	-0.4	10.3	0	3	26	02	11	8	3	0	0	3	2	1	0
	2030	109	1011.1	1001.1	..	26.1	23.1	21.5	25.8	77	..	4.0	..	9.5	0	0	29	02	11	10	2	0	1	2	1	1	0
	2330	109	1011.4	1001.4	..	24.8	23.0	22.1	26.7	85	..	3.8	..	7.2	0	1	27	05	12	4	1	2	1	1	2	2	0
VEDARANNIYAM	0830	4	1011.9	1011.4	..	26.8	24.9	24.1	30.0	86	..	5.9	..	6.7	0	0	30	05	23	0	0	0	0	0	2	0	0
	1730	4	1009.0	1008.5	..	28.2	25.4	24.2	30.3	79	..	4.2	..	7.3	0	1	29	00	30	0	0	0	0	0	0	0	0
ATIRAMPATTINAM	0830	6	1011.9	1011.2	..	26.2	24.4	23.6	29.2	86	..	3.8	..	6.3	0	1	27	07	3	2	0	1	0	2	13	2	0
	1730	6	1008.7	1008.0	..	27.9	25.3	24.1	30.2	81	..	5.2	..	8.7	0	2	28	04	12	2	6	4	0	0	2	0	0
MADURAI	0830	133	1012.1	997.1	+0.1	26.5	23.2	21.4	25.6	74	- 2	3.9	-1.5	2.4	0	0	30	15	8	3	0	2	0	1	1	0	0
MADURAI AERODROME	0530	131	1009.9	994.9	..	23.4	21.9	21.2	25.2	88	..	2.6	..	4.9	0	0	17	10	2	1	0	0	0	0	4	13	0
	0830	131	1012.1	997.2	-0.5	25.9	22.8	21.2	25.3	76	- 3	4.5	-0.6	8.4	0	0	23	11	6	0	0	0	1	0	5	7	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – NOVEMBER, 1969 KARTIKA 10 - AGRAHAYANA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or ht. in gpm. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TAMIL NADU (INCLUDING PONDICHERRY) (CONTD.)																											
MADURAI AERODROME	1130	131	1011.2	996.4	..	28.9	23.2	20.1	23.9	61	..	5.3	..	11.1	0	5	20	10	9	3	1	0	1	0	1	5	0
	1730	131	1008.4	993.6	-0.7	28.3	22.7	19.5	23.1	63	- 8	5.5	-0.5	10.7	0	3	24	03	10	8	2	1	1	0	2	3	0
TONDI	0830	5	1012.3	1011.7	-0.4	26.1	23.9	22.8	27.9	83	- 1	6.7	+1.0	5.7	0	0	30	17	2	1	1	0	1	2	6	0	0
	1730	5	1009.1	1008.5	-0.4	27.9	24.4	22.8	27.8	74	- 1	6.3	+0.3	9.2	0	0	30	05	9	7	4	3	0	1	1	0	0
PAMBAN	0830	11	1011.9	1010.6	+0.0	26.7	24.9	24.1	30.0	87	+ 4	5.5	+0.6	11.2	0	7	23	09	5	2	1	2	3	2	6	0	0
	1730	11	1008.7	1007.4	-0.2	28.0	25.1	23.8	29.5	78	- 4	5.2	+0.3	10.3	0	5	25	09	8	1	2	4	2	0	4	0	0
TUTICORIN	0830	4	1012.2	1011.8	-0.3	26.8	24.0	22.7	27.7	78	- 3	4.1	-0.8	10.5	0	0	30	14	5	1	0	1	2	4	3	0	0
	1730	4	1008.8	1008.4	-0.4	28.5	25.0	23.2	28.5	74	- 2	3.7	-0.7	11.8	0	2	27	02	4	12	3	5	0	2	1	1	0
PALAYANKOTTAI	0830	51	1012.1	1006.3	-0.4	26.2	23.5	22.1	26.7	79	+ 1	5.9	+0.1	6.6	0	0	26	08	3	0	1	1	1	5	7	4	0
	1730	51	1008.5	1002.8	-0.5	28.9	24.0	21.4	25.7	66	- 4	5.9	-0.5	8.1	0	1	25	04	4	4	6	3	2	1	1	4	1
KANNIYAKUMARI	0830	37	1011.9	1007.8	..	26.7	23.6	22.1	26.7	76	..	4.3	..	12.3	0	3	27	09	7	1	0	0	4	3	6	0	0
	1730	37	1009.[illegible]	1005.0	..	27.8	24.3	22.6	27.5	74	..	5.3	..	11.7	0	6	24	03	7	3	0	0	10	5	2	0	0
PONDICHERRY	0830	6	1011.8	1011.1	..	26.9	24.1	22.7	27.7	78	..	5.4	..	12.5	0	1	27	05	7	2	0	0	1	3	10	2	0
	1730	6	1008.4	1007.8	..	27.8	24.6	23.1	28.4	77	..	5.5	..	20.5	0	10	20	03	10	5	4	1	0	2	5	0	0
PORT NOVA	0830	3	1011.9	1011.6	..	26.6	24.2	23.1	28.4	82	..	5.7	..	3.6	0	0	25	06	1	1	0	2	7	1	7	5	0
TUTICORIN H.P.	0830	3	1012.0	1011.7	..	26.9	24.2	22.9	28.0	79	..	4.6	..	13.4	0	5	25	12	10	0	0	0	4	2	2	0	0
	1130	3	1011.4	1011.1	..	28.7	24.8	23.0	26.0	72	..	4.9	..	14.7	0	7	23	04	15	3	1	4	1	2	0	0	0
	1430	3	1008.6	1008.3	..	28.7	24.9	23.2	28.5	73	..	5.0	..	16.3	0	9	21	03	5	8	5	7	0	1	1	0	0
	1730	3	1008.6	1008.3	..	28.2	24.5	22.7	27.7	73	..	4.9	..	17.1	0	10	20	01	6	10	3	6	1	1	2	0	0
COASTAL MYSORE																											
KARWAR	0830	4	1012.1	1011.6	-0.5	25.3	23.2	22.1	26.7	83	+ 7	3.6	+0.6	2.1	0	0	24	00	6	3	13	0	0	0	2	6	0
	1730	4	1009.1	1008.6	-0.3	29.7	25.9	24.2	30.2	72	+ 3	4.2	+1.2	4.1	0	0	29	00	0	0	5	0	0	4	18	1	2
HONAVAR	0830	26	1012.0	1009.0	-0.4	25.2	22.3	20.8	24.8	77	+ 7	4.2	+0.1	3.3	0	0	26	01	2	23	0	0	0	0	0	4	0
	1730	26	1008.9	1005.9	-0.3	29.7	24.5	22.0	26.7	65	- 1	4.7	+0.4	2.5	0	0	25	02	0	4	0	3	0	13	3	5	0
MANGALORE (BAJPE)	0230	102	1009.9	998.3	..	23.8	22.8	22.3	27.0	91	..	5.0	..	4.4	0	0	18	03	3	10	1	1	0	0	0	12	0
	0530	102	1009.8	998.2	..	23.1	22.2	21.7	26.1	92	..	4.3	..	4.7	0	0	20	02	4	13	1	0	0	0	0	10	0
	0830	102	1011.7	1000.2	-0.5	25.4	23.2	22.1	26.8	83	+ 4	4.2	-0.1	7.5	0	0	26	02	5	17	1	0	0	0	1	4	0
	1130	102	1011.2	999.8	..	30.0	23.9	20.9	24.9	59	..	4.1	..	8.8	0	1	24	02	3	4	5	1	2	2	6	5	0
	1430	102	1008.4	997.0	..	30.6	24.5	21.4	25.7	59	..	4.6	..	13.9	0	2	26	01	0	0	1	2	7	13	4	2	0
	1730	102	1008.4	997.0	-0.6	28.3	24.0	21.9	26.5	70	+ 0	5.2	+0.3	9.6	0	0	29	00	1	1	1	0	0	13	13	1	0
	2030	102	1010.9	999.4	..	26.2	23.9	22.7	27.5	81	..	4.7	..	4.9	0	0	16	03	1	1	0	2	0	2	7	14	0
	2330	102	1011.3	999.7	..	25.2	23.5	22.6	27.5	85	..	4.8	..	2.3	0	0	9	03	0	1	3	0	1	0	1	21	0
MANGALORE	0830	22	1012.0	1009.5	+0.1	26.4	23.0	21.2	25.3	73	- 4	4.0	+0.0	2.3	0	0	28	00	2	17	9	0	0	0	0	2	0
	1730	22	1008.7	1006.2	-0.1	29.1	25.6	24.0	29.8	74	+ 5	4.2	-0.4	6.3	0	0	30	00	0	1	1	0	8	11	9	0	0
MANGALORE H.P.	0830	32	1011.4	1007.8	..	26.0	24.0	23.0	28.2	84	..	4.0	..	4.7	0	0	28	00	3	16	9	0	0	0	0	2	0
	1130	32	1011.2	1007.6	..	30.4	24.9	22.2	26.9	62	..	4.3	..	8.2	0	0	30	01	1	5	5	2	1	8	7	0	0
	1730	32	1008.2	1004.6	..	28.5	24.8	23.1	28.4	73	..	4.1	..	8.8	0	1	29	01	2	0	1	1	1	8	16	0	0
INTERIOR MYSORE, NORTH																											
BIDAR	0830	664	1013.9	939.9	-0.3	22.2	19.3	17.7	20.4	77	+16	5.3	+2.1	11.2	0	3	26	01	8	9	6	1	1	1	0	1	2
	1730	664	1009.9	937.1	+0.0	25.2	20.1	17.1	19.8	62	+19	5.6	+1.9	10.9	0	0	30	01	17	9	1	1	1	0	0	0	0
GULBARGA	0830	458	1013.5	962.0	-0.6	22.8	19.2	17.1	19.9	72	+15	5.2	+2.6	7.2	0	3	12	02	2	11	0	0	0	0	0	15	0
	1730	458	1009.0	958.5	-0.1	28.1	20.3	15.5	18.1	49	+14	5.5	+2.1	8.1	0	1	28	00	12	17	0	0	0	0	0	1	0
BIJAPUR	0830	594	1013.7	947.2	-0.1	21.7	18.8	16.6	19.3	72	+12	5.0	+1.8	4.3	0	0	25	03	1	8	7	2	1	2	1	5	0
	1730	594	1008.7	943.8	+0.0	27.8	20.3	16.3	18.9	51	+11	6.0	+2.3	3.5	0	0	30	03	10	8	6	0	1	1	1	0	0
RAICHUR	0830	400	1012.9	968.1	-0.5	24.5	20.1	17.4	20.3	67	+ 3	4.3	+1.0	4.5	0	0	30	00	10	1	13	0	1	0	5	0	0
	1730	400	1008.7	964.7	-0.3	28.8	20.8	15.3	18.1	47	+ 6	5.1	+1.3	7.1	0	0	30	00	20	4	3	0	2	0	1	0	0
BELGAUM	0830	753	1013.4	930.3	+0.5	22.4	19.6	18.0	20.8	76	+ 6	3.3	+0.9	2.7	0	0	16	00	0	15	0	0	1	0	0	14	0
	1730	753	1008.0	926.5	-0.3	26.3	21.4	18.9	22.0	65	+18	5.1	+1.7	3.9	0	0	23	01	1	17	0	0	1	2	1	7	0
BELGAUM (SAMRA)	0530	747	1011.6	928.4	..	18.9	17.3	16.3	18.8	85	..	2.6	..	3.2	0	0	14	01	3	7	2	0	1	0	0	16	0
	0830	747	1012.9	930.3	-0.6	21.9	18.7	16.7	19.3	73	+ 5	4.2	+1.0	6.9	0	1	21	00	6	11	2	0	1	2	0	8	0
	1130	747	1011.3	930.0	..	26.4	19.4	15.1	17.5	51	..	4.4	..	14.7	0	7	22	02	9	7	9	0	2	0	0	1	0
	1430	747	1007.9	927.3	..	27.8	19.4	14.0	16.4	44	..	5.2	..	11.9	0	0	30	05	11	8	1	1	2	1	1	0	0
	1730	747	1008.6	927.4	-0.6	26.0	19.4	15.2	17.7	54	+ 7	5.1	+1.5	7.9	0	1	25	01	9	8	1	0	3	3	0	4	1
	2030	747	1011.7	929.4	..	22.8	18.9	16.5	19.1	69	..	4.2	..	4.5	0	0	22	00	7	4	0	0	1	7	2	8	1
GADAG	0530	650	1011.5	938.9	..	20.3	18.7	17.8	20.6	86	..	3.2	..	4.6	0	0	21	00	2	12	3	0	1	2	0	9	1
	0830	650	1012.6	940.3	-0.7	21.8	19.4	18.1	21.0	80	+16	3.4	-0.3	4.7	0	0	29	04	3	14	1	2	1	4	0	1	0
	1130	650	1011.4	940.4	..	27.3	21.6	18.0	20.9	58	..	4.0	..	7.1	0	0	30	01	11	11	2	1	0	3	1	0	0
	1430	650	1007.9	937.7	..	29.2	21.5	17.3	20.1	50	..	4.7	..	6.8	0	[illegible]	29	01	7	13	2	0	0	2	1	1	3
	1730	650	1008.1	937.5	-0.1	27.8	21.0	17.2	20.0	54	+ 8	4.5	+0.2	6.3	0	0	30	06	14	6	1	1	0	1	1	0	0
	2030	650	1011.4	939.7	..	24.2	20.1	17.8	20.6	68	..	3.2	..	4.3	0	0	25	01	6	11	2	0	0	1	0	5	4

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — NOVEMBER, 1969 (KARTIKA 10 - AGRAHAYANA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
INTERIOR MYSORE NORTH (CONTD.)																											
GADAG	2330	650	1012.1	940.0	..	22.4	19.7	18.2	21.0	77	..	3.2	..	5.9	0	0	25	00	4	10	3	1	3	4	0	5	0
BIDAR A.F	0530	665	1012.1	937.3	..	19.3	17.1	15.5	18.1	80	..	3.3	..	9.5	0	3	23	01	5	11	8	1	0	0	0	4	0
	0830	665	1013.3	939.3	..	22.3	18.4	15.9	18.6	70	..	4.9	..	13.6	0	3	24	04	6	6	6	3	0	1	1	3	0
	1130	665	1012.4	939.3	..	26.0	19.0	14.1	16.8	52	..	5.0	..	18.3	0	9	21	04	10	9	5	1	0	1	0	0	0
	1730	665	1009.5	936.6	..	25.6	18.9	14.4	16.8	53	..	4.8	..	15.3	0	6	24	05	15	8	0	1	1	0	0	0	0
	2330	665	1013.0	938.8	..	21.3	17.8	15.3	17.9	70	..	3.0	..	9.4	0	2	25	02	11	10	3	1	0	0	0	3	0
INTERIOR MYSORE, SOUTH																											
BELLARY	0830	449	1013.1	962.7	-0.2	23.4	20.7	19.0	22.3	77	+ 8	3.6	-0.9	3.5	0	0	21	00	5	12	4	0	0	0	0	9	0
	1730	449	1008.4	959.0	-0.2	28.9	21.6	17.6	20.6	55	+10	5.5	+1.3	4.4	0	0	23	00	3	17	3	0	0	0	0	7	0
CHITRADURGA	0830	733	1012.6	931.5	-0.1	21.4	19.1	17.8	20.6	81	+ 8	3.6	-0.8	4.3	0	0	21	00	0	15	1	0	1	4	0	9	0
	1730	733	1007.9	928.3	+0.0	26.5	20.0	16.1	18.6	54	+ 4	4.8	+0.5	2.9	0	0	16	00	1	14	0	0	0	1	0	14	0
SHIMOGA	0830	571	1012.1	948.3	-1.0	21.4	19.9	19.0	22.2	87	+ 5	4.8	+0.8	2.0	0	0	18	00	0	16	0	0	2	0	0	12	0
	1730	571	1008.0	945.4	-0.3	26.3	21.1	18.3	21.3	63	+ 6	5.3	+1.1	2.3	0	0	30	02	2	23	0	0	0	2	1	0	0
AGUMBE	0830		1013.0	939.6	..	21.0	19.2	18.2	21.1	85	..	4.4	..	8.8	0	2	22	01	9	13	0	0	1	0	0	6	0
	1730		1010.4	937.6	..	23.2	20.8	19.6	23.3	82	..	5.6	..	4.9	0	0	24	01	8	2	0	2	3	8	0	6	0
BALEHONNUR	0830		..	..	..	21.1	19.1	17.9	20.7	83	+ 2	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HASSAN	0830	960	1526.6	907.1	-0.4	24.7	19.9	17.3	19.9	65	-13	7.3	+3.1	1.6	0	0	13	01	1	1	0	0	2	8	0	17	0
	1730	960	1505.6	905.0	+0.2	24.2	19.6	17.0	19.6	66	+ 8	5.3	+0.6	3.3	0	0	21	02	5	6	2	1	1	0	4	9	0
BANGALORE	0230	921	1511.2	910.9	..	18.9	17.8	17.1	19.7	89	..	4.0	..	4.5	0	0	20	00	4	12	1	0	0	3	0	10	0
	0830	921	1527.1	912.2	+0.6	20.5	18.4	17.1	19.7	82	+ 4	4.9	+0.0	4.7	0	0	25	00	6	13	1	0	0	4	1	5	0
	1130	921	1532.9	912.0	..	24.3	19.4	16.3	18.9	64	..	5.5	..	7.0	0	0	29	01	9	10	3	0	2	2	2	1	0
	1430	921	1518.2	910.1	..	25.9	19.8	16.2	18.6	57	..	5.6	..	7.7	0	2	26	01	8	10	5	0	1	1	2	2	0
	1730	921	1513.3	909.9	+1.2	24.3	19.3	16.3	18.9	63	+ 4	5.3	+0.1	5.3	0	1	25	01	9	6	7	0	0	1	2	4	0
	2030	921	1523.1	911.7	..	21.3	18.5	16.8	19.4	77	..	4.7	..	4.8	0	1	23	00	8	11	2	0	0	2	1	6	0
BANGALORE AERODROME	0530	897	1497.2	912.3	..	18.1	17.3	16.9	19.3	92	..	4.6	..	6.5	0	2	23	00	5	10	3	0	1	2	2	5	2
	0830	897	1521.0	914.1	-0.5	20.6	18.5	17.2	19.8	81	+ 4	5.7	+0.9	8.5	0	1	29	01	6	11	4	1	0	5	1	0	1
	1130	897	1525.2	913.7	..	24.5	19.2	15.9	18.4	61	..	5.5	..	14.2	0	3	27	00	6	14	3	0	1	2	3	0	1
	1730	897	1500.3	911.2	-0.6	24.3	19.1	16.0	18.5	62	+ 2	5.2	+0.1	10.6	0	1	29	01	10	7	9	0	1	1	1	0	0
	2330	897	1514.1	913.7	..	19.7	18.0	17.0	19.5	85	..	3.2	..	8.0	0	1	27	01	5	13	4	1	1	3	0	2	0
MYSORE	0830	767	1012.6	928.0	+0.2	22.5	18.8	16.5	19.1	71	- 9	3.1	-1.6	4.7	0	0	30	07	1	4	1	8	6	3	0	0	0
	1730	767	1007.2	924.4	-0.5	26.8	19.5	14.9	17.3	50	- 4	3.6	-1.3	6.9	0	0	30	05	1	17	0	3	1	3	0	0	0
YALANKA A.F	0530	932	1497.3	908.9	..	17.9	17.1	16.6	19.0	91	..	4.8	..	8.4	0	2	18	01	5	6	4	0	1	1	2	10	0
	0830	932	1522.1	910.9	..	20.9	18.5	17.0	19.6	79	..	5.4	..	13.3	0	6	21	01	4	11	6	0	0	3	2	3	0
	1130	932	1526.2	910.3	..	25.1	19.1	15.3	17.9	57	..	5.8	..	17.9	0	11	19	02	5	10	7	0	1	3	2	0	0
	1730	932	1501.9	908.1	..	23.7	18.8	15.7	18.2	63	..	5.6	..	14.0	0	4	25	03	7	9	5	0	0	2	3	1	0
	2330	932	1513.9	910.2	..	19.3	17.7	16.7	19.1	84	..	4.3	..	12.1	0	4	22	00	6	11	5	0	1	3	0	4	0
KERALA																											
CALICUT	0530	5	1009.9	1009.3	..	23.9	22.9	22.3	27.0	91	..	3.1	..	4.9	0	0	27	00	11	16	0	0	0	0	0	3	0
	0830	5	1011.7	1011.1	-0.1	26.7	23.7	22.2	26.9	77	- 3	4.0	-0.4	3.5	0	0	28	00	4	22	0	0	0	2	0	2	0
	1130	5	1011.3	1010.7	..	30.2	24.9	22.4	27.1	63	..	3.4	..	6.1	0	0	29	00	0	1	1	0	10	17	0	1	0
	1430	5	1008.7	1008.1	..	31.1	25.3	22.7	27.6	61	..	3.9	..	8.5	0	1	27	00	0	0	0	1	2	19	6	2	0
	1730	5	1008.9	1008.3	+0.1	29.2	24.8	22.8	27.8	69	- 3	4.1	-1.0	5.5	0	0	27	00	0	0	0	0	2	24	1	3	0
	2330	5	1011.4	1010.8	..	25.5	23.9	23.2	28.4	87	..	3.3	..	4.9	0	0	27	01	11	7	0	0	0	8	0	3	0
PALGHAT	0830	97	1012.1	1001.0	-0.4	25.8	23.2	21.7	26.1	78	+ 1	4.6	+0.4	6.7	0	0	28	00	0	23	0	0	0	5	0	2	0
	1730	97	1008.1	997.4	-0.4	29.2	24.1	21.5	25.7	64	- 4	5.1	-0.2	6.0	0	0	25	01	0	12	0	1	0	11	0	5	0
FORT COCHIN	0830	3	1011.6	1011.3	-0.3	27.4	24.5	23.1	28.2	77	- 1	6.4	+1.2	4.2	0	0	25	00	11	10	1	1	1	1	0	5	0
	1730	3	1008.3	1008.0	-0.4	28.0	25.4	24.0	29.9	79	+ 5	6.7	+1.0	8.8	0	0	30	01	0	0	0	0	3	15	11	0	0
COCHIN(NAVAL AIR STATION)	0230	3	1009.9	1009.6	..	24.6	23.7	23.2	28.5	92	..	5.0	..	1.3	0	0	7	00	4	2	0	0	1	0	0	23	0
	0530	3	1009.7	1009.4	..	23.9	23.2	22.8	27.9	94	..	5.0	..	1.4	0	0	7	00	3	3	1	0	0	0	0	23	0
	0830	3	1011.7	1011.4	..	26.8	24.2	22.9	28.0	80	..	5.0	..	4.3	0	0	18	00	6	8	3	1	0	0	0	12	0
	1130	3	1011.5	1011.2	..	29.8	25.0	22.7	27.8	66	..	5.3	..	7.5	0	1	24	02	2	2	3	1	6	1	7	5	1
	1730	3	1008.6	1008.3	..	28.6	24.5	22.5	27.3	70	..	5.7	..	10.0	0	0	28	02	1	0	1	1	5	13	5	2	0
	2330	3	1011.4	1011.1	..	25.4	24.1	23.5	28.9	89	..	5.5	..	3.3	0	0	14	01	5	6	1	1	0	0	0	16	0
ALLEPPEY	0830	4	1011.8	1011.4	-0.1	26.7	24.7	23.8	29.5	84	+ 3	4.5	-0.8	6.3	0	0	29	00	13	7	8	1	0	0	0	1	0
	1730	4	1009.0	1008.6	+0.2	28.9	25.0	23.2	28.5	72	+ 4	4.9	-0.9	17.6	0	11	19	01	1	0	0	0	0	10	18	0	0
PUNALUR	0830	34	1011.9	1008.0	+0.0	24.2	23.1	22.6	27.4	91	+ 4	5.0	+0.2	0.3	0	0	2	00	0	0	0	0	1	1	0	28	0
	1730	34	1008.0	1004.2	-0.8	29.5	25.1	23.1	28.3	70	- 3	7.1	+1.1	3.4	0	0	20	00	0	0	2	0	6	9	3	10	0
TRIVANDRUM	0230	64	1009.7	1002.4	..	24.1	23.3	22.9	27.9	93	..	3.8	..	1.1	0	0	6	01	2	0	0	0	0	1	2	24	0
	0530	64	1009.8	1002.5	..	23.5	22.8	22.5	27.2	94	..	4.2	..	1.9	0	0	10	04	5	0	0	0	0	0	1	20	0
	0830	64	1011.8	1004.5	+0.0	25.8	23.9	23.0	28.1	85	- 2	5.3	+0.6	3.8	0	0	21	04	8	4	2	0	0	1	2	9	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - NOVEMBER,1969KARTIKA 10 - AGRAHAYANA 9,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KERALA (CONTD)																											
TRIVANDRUM AERODROME	1130	64	1011.2	1004.0	..	29.0	24.5	22.4	27.2	69	..	6.2	..	5.9	0	0	27	04	3	3	1	0	4	7	4	3	1
	1430	64	1008.6	1001.3	..	29.2	24.5	22.3	27.0	67	..	5.7	..	7.2	0	0	28	01	1	0	2	2	7	8	7	2	0
	1730	64	1008.8	1001.6	+0.0	27.6	24.4	22.9	28.0	76	- 2	5.8	-0.1	6.0	0	0	25	00	2	1	2	1	4	8	6	5	1
	2030	64	1011.4	1004.0	..	25.9	24.1	23.3	28.6	86	..	5.0	..	3.6	0	0	20	02	2	0	1	1	2	3	9	10	0
	2330	64	1011.4	1004.1	..	24.9	23.7	23.1	28.3	90	..	5.3	..	4.3	0	0	23	09	2	1	2	2	0	2	5	7	0
TRIVANDRUM AERODROME	0830	8	1012.1	1011.2	+0.3	26.5	24.0	22.7	27.7	80	+ 0	5.5	+0.3	9.1	0	0	27	08	9	7	3	0	0	0	0	3	0
ARABIAN SEA ISLANDS																											
ANINI	0530	4	1009.4	1008.9	..	25.2	23.1	22.1	26.7	83	..	2.6	..	3.6	0	0	11	03	2	0	0	1	0	3	2	19	0
	0830	4	1011.5	1011.1	+0.0	27.6	24.3	22.7	27.7	75	- 3	3.9	-0.4	5.3	0	0	22	08	4	0	2	3	0	3	2	8	0
	1130	4	1011.6	1011.1	..	30.0	24.9	22.4	27.3	65	..	4.2	..	9.1	0	0	29	10	3	4	2	3	1	3	2	1	1
	1730	4	1008.7	1008.3	..	28.8	24.5	22.3	27.1	69	..	5.0	..	7.7	0	1	24	08	4	4	3	2	1	0	3	5	0
	2330	4	1011.2	1010.8	..	25.9	23.5	22.4	27.2	81	..	4.0	..	3.8	0	1	12	05	2	0	1	0	2	0	2	17	1
AGATTI	0830	4	1011.5	1011.0	..	27.8	24.6	23.1	28.4	76	..	5.8	..	3.8	0	0	20	05	8	1	1	1	0	1	3	10	0
	1730	4	1009.0	1008.5	..	29.0	24.9	22.9	28.1	71	..	5.1	..	4.7	0	0	24	08	3	2	2	0	1	1	7	6	0
ANDROTH	0830		(R)																								
	1730		(R)																								
MINICOY	0530	2	1009.9	1009.7	..	24.7	23.1	22.2	26.8	86	..	4.5	..	1.6	0	0	8	01	0	3	0	0	0	0	4	22	0
	0830	2	1011.9	1011.7	+0.3	27.6	24.6	23.2	28.4	78	- 1	4.5	+0.0	3.1	0	0	18	05	0	2	3	0	2	3	3	12	0
	1130	2	1011.7	1011.5	..	29.6	25.0	22.8	27.9	68	.	4.5	..	7.3	0	0	30	07	5	3	4	0	3	1	7	0	0
	1430	2	1009.3	1009.1	..	29.9	25.0	22.7	27.6	66	..	4.7	..	6.9	0	0	28	06	3	3	3	0	4	2	7	2	0
	1730	2	1009.2	1009.0	+0.1	28.7	24.6	22.6	27.6	70	- 7	5.3	+0.0	4.5	0	0	23	04	1	5	1	2	3	0	7	7	0
	2030	2	1011.3	1011.1	..	26.3	23.7	22.5	27.3	80	..	4.8	..	3.6	0	0	18	03	4	2	2	1	1	1	4	12	0
	2330	2	1011.5	1011.3	..	25.3	23.5	22.6	27.4	85	..	5.1	..	4.3	0	0	20	04	4	2	2	2	1	1	4	10	0
HILL STATIONS(EXCLUDING KASHMIR)																											
DALHOUSIE	0830	1959	1461.2	802.0	+0.1	14.9	9.3	3.3	8.1	46	- 7	0.0	-0.8	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730	1959	1448.4	800.6	-0.5	14.1	10.9	8.3	11.2	70	+11	.	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
DHARMASALA	0830	1211	1564.1	886.5	-0.2	16.4	11.2	5.8	9.6	50	+ 0	1.7	+0.3	0.1	0	0	2	00	2	0	0	0	0	0	0	28	0
	1730	1211	1555.1	885.2	-0.3	19.0	12.8	7.2	10.5	47	- 5	2.0	+0.1	1.7	0	0	23	00	0	0	0	0	18	5	0	7	0
BHUNTAR	0830	1096	1533.0	896.5	..	7.5	5.9	4.0	8.4	79	..	1.5	..	2.6	0	0	17	13	1	0	0	0	0	0	3	13	0
	1130	1096	1533.0	895.0	..	16.4	.0.1	3.3	8.0	42	..	1.7	..	5.7	0	0	27	03	3	5	6	9	1	0	0	3	0
	1730	1096	1505.6	891.8	..	18.2	11.4	4.5	8.7	41	..	2.3	..	12.5	0	7	21	02	0	5	11	6	1	1	2	2	0
SIMLA	0830	2202	1518.7	784.1	+0.2	11.5	5.6	- 2.8	5.5	41	+10	1.0	-0.1	1.2	0	0	18	01	3	0	11	1	1	0	1	12	0
	1730	2202	1505.8	782.8	-0.1	11.6	7.5	2.7	7.8	56	+ 8	1.6	-0.1	1.7	0	0	26	02	2	0	10	5	1	1	5	4	0
GHANGARIA (KANJALIA TOK)	0830		..	..	..	3.1	0.8	- 1.5	4.9	86	+26	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
BADRINATH	0830		*(R)																								
JOSHIMATH	0830		..	..	..	9.4	6.8	4.0	8.2	74	+28	0.2	-1.6	3.7	0	0	25	00	0	16	0	9	0	0	0	5	0
	1730		..	..	..	14.2	11.9	10.1	12.5	79	+29	1.0	-1.2	3.4	0	0	29	01	1	1	3	8	9	6	0	1	0
MUSSOORIE	0830	2042	1550.2	802.4	+2.1	12.1	9.3	6.7	10.0	70	+21	1.1	+0.0	0.7	0	0	8	00	1	0	3	4	0	0	0	22	0
	1730	2042	1537.5	800.8	+2.3	11.4	10.4	9.7	12.1	89	+21	2.2	+0.3	2.2	0	0	22	04	5	0	6	6	1	0	0	8	0
MUKTESWAR(KUMAUN)	0830	2311	3157.3	775.5	+1.2	11.1	5.3	- 4.1	5.3	40	- 1	1.0	+0.2	5.1	0	0	25	00	2	5	2	2	6	5	3	5	0
	1730	2311	3136.5	773.8	+0.9	10.1	6.8	2.5	7.9	63	+ 5	1.5	+0.3	6.8	0	1	22	00	0	0	0	0	3	14	6	7	0
NAINITAL	0830	1953	1512.2	810.2	+2.7	10.8	6.7	2.4	7.5	57	+ 4	0.7	+0.0	1.8	0	0	12	04	0	4	0	0	0	4	0	18	0
	1730	1953	1498.1	805.5	-0.2	11.3	8.0	4.7	8.7	64	- 7	1.2	-0.7	5.4	0	0	29	03	0	3	0	0	0	23	0	1	0
KALIMPONG	0830	1209	1498.2	879.5	-1.8	18.4	14.3	11.0	13.3	66	-12	0.8	-1.2	5.7	0	0	30	00	1	0	8	0	0	0	21	0	0
	1730	1209	1478.6	876.0	-2.8	18.7	14.5	11.4	13.6	66	-14	0.9	-2.2	5.9	0	0	30	00	0	0	29	0	0	0	1	0	0
DARJEELING	0830	2128	1546.6	793.7	+0.0	12.0	9.3	6.9	10.0	73	+ 5	4.6	+1.3	0.1	0	0	1	01	0	0	0	0	0	0	0	29	0
	1730	2128	1527.1	791.8	+0.2	11.1	9.5	8.1	10.9	82	- 2	6.1	+1.6	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
KOHIMA	0830		(R)																								
	1730		(R)																								
SHILLONG(C.S.O.)	0830	1598	1532.2	843.5	+1.4	16.1	11.8	8.1	11.2	61	- 2	2.6	+0.6	2.7	0	0	24	00	3	5	4	2	0	7	3	6	0
	1730	1598	1507.3	841.2	+1.6	13.7	12.7	12.1	14.2	90	+ 7	5.6	-0.7	1.2	0	0	14	05	3	0	0	1	2	1	2	16	0
CHERRAPUNJI	0830	1313	1534.4	872.4	+0.6	17.6	15.9	14.4	17.2	83	+18	1.4	-1.3	17.4	0	9	21	00	11	0	12	0	7	0	0	0	0
	1730	1313	1516.8	870.7	+1.6	17.1	15.7	14.4	17.1	87	+ 4	0.9	-2.7	12.1	0	3	27	00	0	0	4	0	26	0	0	0	0
ABU	0830	1195	1531.0	884.3	-0.2	17.4	13.3	10.1	12.5	64	+22	1.3	+0.5	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730	1195	1523.6	883.0	+0.1	22.3	15.1	9.4	12.1	48	+14	1.7	+0.7	0.1	0	0	1	00	1	0	0	0	0	0	0	29	0
AIJAL	0830		(R)																								
	1730		(R)																								
PACHMARHI	0830	1075	1541.9	897.5	-0.3	19.9	14.8	10.6	13.3	58	+ 0	2.9	+1.0	2.2	0	0	20	00	2	8	2	2	3	0	3	10	0
	1730	1075	1522.2	895.1	-0.5	22.9	16.1	10.8	13.5	49	- 1	3.0	+0.9	1.8	0	0	24	00	8	6	0	1	1	1	7	6	0
NAHABALESHWAR	0830	1382	1525.5	864.6	-0.4	18.2	14.9	12.2	14.5	69	+ 6	1.0	-1.3	9.4	0	0	30	00	25	0	2	0	2	1	0	0	0
	1730	1382	1513.5	863.2	+0.3	21.2	17.0	13.8	16.3	68	+ 6	1.4	-1.3	9.1	0	0	30	00	25	0	0	0	0	0	5	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – NOVEMBER, 1969 (KARTIKA 10 – AGRAHAYANA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gms. of mean standard inches level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 0 or calm	26 to 61	1 to 10	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HILL STATIONS (EXCLUDING KASHMIR) (CONTD.)																											
MERCARA	0830	1152	1519.3	887.3	+0.6	19.1	16.9	15.3	18.0	81	- 2	3.8	-0.4	11.7	0	8	20	15	10	3	0	0	0	0	0	2	0
	1730	1152	1501.5	885.1	+0.6	21.9	18.5	16.4	18.9	73	+ 0	4.9	+0.6	6.9	0	1	28	15	2	1	0	0	0	1	0	1	0
OOTACAMUND	0830	2249	1524.7	780.9	+0.7	12.5	10.7	9.2	11.8	82	+ 0	3.4	-0.5	1.9	0	0	15	00	9	2	0	1	2	1	0	15	0
	1730	2249	1494.5	778.6	-0.1	14.6	12.9	11.7	14.0	84	+ 4	4.8	-0.7	0.8	0	0	6	00	5	0	0	0	1	0	0	24	0
COONOOR	0830	1747	..	..	..	11.7	14.1	11.5	14.0	70	- 7	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KODAIKANAL	0830	2343	3156.0	772.1	+0.1	12.6	10.4	7.8	11.3	78	- 5	4.2	-1.0	9.2	0	3	26	04	8	2	3	2	0	1	9	1	0
	1130	2343	3162.3	772.0	..	15.4	12.1	8.9	12.1	71	..	6.0	..	10.2	0	3	26	05	6	4	3	3	0	0	8	1	0
	1730	2343	3139.6	770.4	+0.1	13.1	11.9	10.9	13.2	87	- 5	6.3	-0.4	6.3	0	0	25	05	6	0	3	1	1	2	7	5	0
MANALI	0830	6690	..	..	..	3.7	1.4	- 1.6	5.5	69	..	1.3	..	0.1	0	0	1	00	1	0	0	0	0	0	0	29	0
	1730	6690	..	..	..	11.6	7.0	2.0	7.4	54	..	2.5	..	0.5	0	0	4	02	1	0	1	0	0	0	0	26	0
NEPAL																											
KATMANDU	0830	1324	1531.1	871.5	-1.0	11.5	10.9	10.5	12.8	93	+ 6	5.4	+0.9	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1130	1324	1525.3	870.2	..	20.0	14.6	10.5	12.8	55	..	2.9	..	1.4	0	0	19	09	0	3	5	2	0	0	0	11	0
	1730	1324	1502.3	868.1	-1.2	16.4	13.5	11.8	13.5	72	+ 0	2.5	+0.5	0.5	0	0	6	02	0	0	3	1	0	0	0	24	0
SIKKIM																											
LACHEN	0830		(R)																								
HYDROMETEOROLOGICAL OBSERVATORIES																											
DAMODAR CATCHMENT																											
TILAIYA	0830		..	..	..	22.5	18.2	15.0	17.8	64	..	1.0	..	4.3	0	3	25	00	0	4	1	0	2	12	6	5	0
	1730		..	..	..	23.7	17.8	13.3	15.7	53	..	1.4	..	2.4	0	0	23	02	0	4	0	0	0	12	5	7	0
HAZARIBAGH	0830	615	1014.6	945.8	..	21.7	17.5	14.6	17.2	65	..	1.6	..	2.3	0	0	13	00	1	8	0	0	0	3	1	17	0
	1730	615	1011.5	942.7	..	21.2	17.1	14.4	16.8	66	..	1.7	..	3.7	0	0	17	00	1	4	2	0	0	7	3	13	0
KONAR	0830		..	..	..	24.6	21.2	19.0	23.3	72	..	1.4	..	1.0	0	0	10	01	2	0	0	0	0	2	5	20	0
	1730		..	..	..	26.0	22.4	20.0	25.0	71	..	1.4	..	0.9	0	0	8	04	0	0	0	0	0	1	3	22	0
BOKARO	0830	242	1013.2	986.0	..	22.7	18.0	14.6	17.1	61	..	1.3	..	..	.	..	..	00	0	0	0	0	0	0	0	30	0
	1730	242	1007.9	980.8	..	26.7	19.2	13.9	16.4	47	..	1.3	..	..	.	..	..	00	0	0	0	0	0	0	0	30	0
MAITHON	0830		..	..	..	26.6	20.0	15.5	18.5	52	..	2.0	..	3.2	0	0	30	00	5	0	5	1	1	0	18	0	0
	1730		..	..	..	26.8	21.6	18.4	21.8	61	..	2.0	..	3.0	0	0	30	00	4	0	5	0	0	0	21	0	0
RAMGARH	0830		..	..	..	20.2	16.7	14.0	16.6	69	..	0.3	..	..	.	..	..	00	0	0	0	0	0	0	0	30	0
	1730		..	..	..	23.4	18.8	15.8	18.2	63	..	0.2	..	..	.	..	..	00	0	0	0	0	0	0	0	30	0
PANCHET HILLS	0830		..	..	..	22.5	19.3	17.2	20.1	73	..	1.6	..	1.4	0	0	17	00	3	0	4	0	7	0	3	13	0
	1730		..	..	..	25.4	19.6	15.7	18.2	56	..	2.6	..	0.5	0	0	6	00	1	0	2	0	0	0	3	24	0
DURGAPUR	0830		..	..	..	24.2	20.2	17.7	20.7	68	..	0.0	..	6.6	0	0	30	08	0	4	0	9	1	4	4	0	0
	1730		..	..	..	25.7	20.8	17.7	20.8	69	..	0.0	..	6.8	0	0	30	18	1	4	0	2	0	0	5	0	0
MAHANADI CATCHMENT																											
GINABAHAR	0830		..	..	..	21.4	17.5	15.0	17.1	67	..	2.4	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HIRAKUD	0830	159	1014.9	996.7	..	24.5	20.4	17.8	20.7	67	..	2.0	..	2.8	0	1	14	01	7	1	1	3	0	0	0	15	2
	1130	159	1013.6	995.7	..	28.4	21.5	17.4	20.1	52	..	2.7	..	2.3	0	0	23	07	2	3	1	2	2	3	3	7	0
	1730	159	1011.0	993.0	..	27.6	21.3	17.4	20.3	55	..	3.5	..	0.6	0	0	5	01	2	1	1	0	0	0	0	25	0
BHINKUND	0830		(R)																								
	1730		(R)																								
SONEPUR	0830		..	..	..	24.1	21.8	20.7	24.7	81	..	2.9	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
KHIJRAWAN	0830		..	..	..	22.1	18.4	15.8	18.2	68	..	3.6	..	6.2	0	0	30	00	6	4	12	1	1	2	4	0	0
	1730		..	.	..	25.6	19.4	15.2	17.8	55	..	3.9	..	7.7	0	0	30	07	7	2	2	0	4	0	8	0	0
NARMADA CATCHMENT																											
BAGRA TAWA	0830		..	..	..	20.8	17.0	14.2	16.5	67	..	2.4	..	5.7	0	0	20	01	7	4	0	4	4	0	0	10	0
	1730		..	..	..	26.9	19.9	15.3	17.7	50	..	2.6	..	3.2	0	0	17	00	1	2	10	0	3	0	1	13	0
PUNASA	0830		..	..	..	22.7	18.1	14.7	17.0	62	..	.	..	4.7	0	1	27	01	19	7	1	0	0	0	0	2	0
	1730		..	..	..	28.0	19.6	13.6	16.2	43	..	.	..	2.6	0	0	26	02	21	3	0	0	0	0	0	4	0
THIKRI	0830		..	..	..	26.2	19.5	15.0	17.5	52	..	2.8	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SABARMATI CATCHMENT																											
DAROI	0830		..	..	..	22.9	16.3	10.9	13.0	47	..		..	..	.	..	..	..	..	..	..	..		..	..	..	..
	1730		..	..	..	31.6	21.4	15.1	17.2	37	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
JHADOL	0830		..	..	..	18.8	15.3	12.4	14.8	67	..	.	..	0.7	0	0	2	00	0	0	0	0	0	2	0	28	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – NOVEMBER, 1969 KARTIKA 10 - AGRAHAYANA 9, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or ht. in gpm. of mean standard isobaric level	Mean pressure in mb. At station level	Mean pressure in mb. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p.h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GANDAK CATCHMENT																											
JAMOSOM	0830		..	..	..	4.2	2.4	0.6	6.5	75	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	9.2	7.2	5.5	9.3	79	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KHUDI BAZAR	0830		..	..	..	16.7	13.0	10.0	12.4	65	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	20.4	16.5	13.8	16.0	67	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TIMURE	0830		..	..	..	7.6	5.0	1.9	7.1	68	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	13.6	10.7	8.4	11.1	71	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GANDAK CATCHMENT																											
POKHARA	0830		..	..	..	17.6	14.8	12.9	14.9	74	..	2.9	..	2.1	0	0	23	07	1	0	2	1	3	5	4	7	0
	1130		..	..	..	21.4	16.5	13.2	15.4	60	..	3.4	..	6.3	0	0	30	00	0	2	20	7	1	0	0	0	0
	1730		..	..	..	19.7	16.7	14.7	16.9	72	..	4.4	..	0.6	0	0	9	00	0	4	4	1	0	0	0	21	0
GORKHA	0830		..	..	..	17.5	14.9	13.0	15.1	75	..	2.8	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1130		..	..	..	20.7	16.2	13.1	15.2	62	..	3.2	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730		..	..	..	17.9	14.7	12.2	14.4	69	..	2.1	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
NUWAKOT	0830		..	..	..	17.3	14.7	12.9	15.0	76	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	19.5	15.0	11.5	13.8	60	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT (TRANS HIMALAYAN REGION)																											
DAILEKH	0830		..	..	..	17.3	13.9	11.3	13.4	68	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	19.3	16.0	13.8	15.8	71	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT																											
SALLYANA	0830		..	..	..	17.4	14.4	12.1	14.3	72	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	17.9	14.3	11.1	13.9	68	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BUTWAL	0830		..	..	..	22.1	17.6	14.5	16.7	63	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	22.7	19.1	16.8	19.4	69	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BAGHMATI CATCHMENT																											
KATMANDU			SEE UNDER NEPAL																								
KOSI CATCHMENT																											
WALUNGCHUNG GOLA	0830		..	..	..	6.5	2.3	3.5	4.8	4	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	4.5	3.1	1.5	6.9	82	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLETHUK	0830		..	..	..	15.4	11.7	8.4	11.2	65	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	17.2	12.8	9.2	11.7	59	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BHOJPUR	0830		..	..	..	15.8	12.5	10.1	12.5	69	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	14.0	11.8	10.2	12.6	79	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLEJUNG	0830		..	..	..	12.8	10.7	8.9	11.5	79	..	5.1	..	0.2	0	0	2	00	0	1	0	0	0	0	1	28	0
	1130		..	..	..	16.7	12.7	9.8	12.2	65	..	4.8	..	3.1	0	0	22	04	1	0	0	7	6	1	1	8	2
	1730		..	..	..	13.8	10.6	7.9	10.8	68	..	4.5	..	4.6	0	1	23	00	0	0	6	14	1	0	0	5	3
DKHALDHUNGA	0830		..	..	..	13.9	11.4	9.4	11.9	75	..	4.1	..	0.9	0	0	11	00	0	1	3	3	0	0	1	19	3
	1130		..	..	..	16.3	12.5	9.7	12.1	65	..	5.7	..	1.5	0	0	15	00	0	0	0	3	4	6	1	15	1
	1730		..	..	..	13.0	11.2	9.9	12.2	82	..	6.2	..	2.4	0	0	17	01	0	0	0	0	4	8	3	13	1
CHAINPUR	0830		..	..	..	16.4	13.7	11.6	13.7	74	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	17.0	14.0	11.7	13.8	72	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BARAHAKSHETRA	0830	146	1016.5	999.5	..	18.9	16.7	15.1	17.3	79	..	2.3	..	1.8	0	0	18	02	1	6	2	3	1	2	1	12	0
	1130	146	1014.1	994.5	..	24.7	19.8	16.7	19.1	61	..	2.7	..	3.5	0	0	23	00	0	0	1	0	8	13	1	7	0
	1730	146	1012.6	995.7	..	20.9	18.4	16.8	19.3	78	..	2.4	..	2.1	0	0	19	00	0	18	1	0	0	0	0	11	0
TISTA CATCHMENT																											
GANGTUK	0830	1812	1532.1	822.5	..	12.3	10.6	9.2	11.7	83	..	5.9	..	1.2	0	0	10	02	1	0	0	2	3	0	2	20	0
	1130	1812	1517.5	821.4	..	15.9	12.6	10.3	12.6	71	..	5.7	..	4.3	0	0	29	01	0	0	0	10	18	0	0	1	0
	1730	1812	1507.1	820.1	..	12.9	11.2	9.8	12.2	82	..	6.0	..	3.1	0	0	20	00	2	2	6	5	4	0	1	10	0
GEZING	0830		..	..	..	13.9	12.4	11.3	13.5	85	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	15.0	12.5	10.5	12.8	75	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

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भारत सरकार

GOVERNMENT OF INDIA

मौसम विज्ञान विभाग

METEOROLOGICAL DEPARTMENT

भारतीय मौसम पुनरीक्षण

INDIA WEATHER REVIEW

1969

मासिक मौसम रिपोर्ट

MONTHLY WEATHER REPORT

दिसम्बर

DECEMBER

भारत सरकार के प्राधिकार द्वारा वेधशालाओं के महानिदेशक के निदेशाधीन प्रकाशित

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INDIA WEATHER REVIEW, 1969

Monthly Weather Report

DECEMBER

MONTHLY WEATHER REPORT

FOR

DECEMBER - 1969

C O N T E N T S

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MEANINGS OF SYMBOLS AND ABBREVIATIONS IN TABLES II & III

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

INDIA WEATHER REVIEW, 1969

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Chief features :-

1) Formation of a depression in the southwest Bay in the second week and a cyclonic storm, probably severe, in the extreme southwest Bay in the last week causing good rainfall in Tamil Nadu and Andhra Pradesh;

2) Sub-normal activity of western disturbances - only two feeble western disturbances moved across the Western Himalayas, one in the second week and the other in the last week causing isolated very light precipitation in that area; and

3) Appreciably to markedly above normal daily minimum temperatures in many parts of Gujarat State and Madhya Maharashtra on many days in the month and markedly below normal daily minimum temperatures in some parts of Orissa on the last few days of the month.

The trough of low pressure which was extending from Laccadives to Maharashtra coast on 30th November persisted there on 1st and 2nd December and became less marked on 3rd. It caused good rainfall in Kerala and the Arabian Sea Islands on the first two days. The noteworthy amounts of rainfall were : On 1st 7 cm at Fort Cochin; On 2nd 8 cm at Minicoy and 3 cm at Alleppey.

An upper air trough in the lower troposphere was lying over Gujarat State on 30th November and became less marked on 1st December. It caused scattered moderate rain in Gujarat State and isolated light rain in the adjoining areas of west Madhya Pradesh and east Rajasthan on 1st December. Baroda and Vallabh Vidyanagar recorded 3 cm of rain each on 1st December.

A trough of low pressure moved from Andaman Sea to southwest Bay of Bengal between 1st and 4th and persisted off Ceylon - Tamil Nadu coasts upto 6th. In this trough a low pressure area developed over southwest Bay off Ceylon on 7th and persisted there till 10th morning. It moved north and became well marked off Tamil Nadu coast on that evening. It concentrated into a depression on the morning of 11th about 250 kms southsoutheast of Madras, moved practically north and was lying in west central Bay off south coastal Andhra Pradesh on the morning of 13th about 100 km southeast of Masulipatam. It weakened into a trough of low pressure on the 14th over west central and adjoining southwest Bay off Andhra - Tamil Nadu coasts which persisted there for the next 3 days. Associated with these developments, there was scattered rain in Tamil Nadu upto 13th with isolated heavy falls on some days and fairly widespread rain with isolated heavy to very heavy falls from 14th to 18th. There was also fairly widespread rain in Andhra Pradesh from 12th to 14th with scattered heavy to very heavy falls on 12th & 13th and scattered rain from 15th to 18th and isolated rain in Orissa, east Madhya Pradesh and Vidarbha between 12th and 15th. The amounts of heavy rainfall were : On 4th 9 cm at Vedaranniyam; On 5th 10 cm at Nagapattinam; On 10th 7 cm at Nagapattinam; On 12th 17 cm at Nellore, 7 cm at Madras and Vedaranniyam; On 13th 14 cm at Masulipatam, 10 cm at Kakinada, 8 cm at Nidadavolu; On 14th 10 cm at Atirampattinam and Jagdalpur, 7 cm at Salem; On 15th 9 cm at Coimbatore Airport; On 16th 11 cm at Nagapattinam; On 17th 8 cm at Coonoor.

A trough of low pressure was lying over southeast Arabian Sea and adjoining Laccadives on 4th and 5th. In this trough, a low pressure area formed over southeast Arabian Sea and adjoining Laccadives on 5th evening and persisted there upto 8th and then moved westwards to southeast and adjoining southwest Arabian Sea by 10th. It caused generally widespread moderate to rather heavy rain in the Arabian Sea Islands during the period 7th to 9th. The noteworthy amounts of rainfall were : On 7th 6 cm at Androth, 4 cm at Minicoy and 3 cm at Agathi; On 8th 5 cm at Amini and Agathi and On 9th 4 cm at Amini.

The low pressure area which was lying over southeast and adjoining southwest Arabian Sea on 10th moved eastnortheastwards to Laccadives and adjoining southeast Arabian Sea by 12th evening and became well marked. It moved further eastwards and was lying over Laccadives and adjoining Kerala coast on 15th with trough extending northwards to Maharashtra State. It weakened into a trough of low pressure off Kerala coast on 16th. This system caused generally widespread rain in Kerala and the Arabian Sea Islands from 13th to 15th, scattered rain in south Interior Mysore during the period 14th to 17th and

TABLE I - DIVISIONAL AND SUB-DIVISIONAL MEANS - DECEMBER,1969AGRAHAYANA 10 - PAUSA 10,1891 SAKA)

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	9
1.ASSAM(INCLUDING	3.8	42	25.0	11.2	82	72	2.2	2.2
NEFA,N.L.ETC)	- 5.2		+0.2	-0.3	+ 1	- 4	0.0	+0.3
2.WEST BENGAL	0.2	5	26.1	12.7	69	60	1.3	1.7
	- 3.5		0.0	-0.5	- 3	- 2	+0.1	+0.1
3.ORISSA	5.6	110	27.4	13.2	70	55	2.7	3.1
	+ 0.5		0.0	-0.5	- 1	+ 1	+1.1	+1.2
4.BIHAR	0.1	3	25.0	9.9	73	61	1.4	1.5
	- 3.1		-0.3	-1.1	0	+ 3	+0.2	+0.2
5.UTTAR PRADESH	0.0	0	24.1	7.9	76	55	1.0	1.4
	- 9.8		+0.5	-0.6	0	0	-0.5	-0.2
6.HARYANA(INCLU.	0.0	0	23.0	6.0	69	43	0.8	0.8
DELHI CHANDIGARH)	- 12.8		-0.2	-1.2	- 5	- 4	-0.8	-1.1
7.PUNJAB	0.0	0	23.5	4.6	75	45	1.4	1.2
	- 15.7		+1.4	-1.5	- 5	- 9	-0.8	-1.3
8.HIMACHAL	0.1	0	22.7	5.4	87	56	1.1	1.5
PRADESH	- 32.9		+1.6	+0.3	- 8	- 5	-4.3	-2.0
9.JAMMU AND	0.0	0	10.6	3.5	94	66	2.2	2.4
KASHMIR	- 37.3		+1.8	+1.7	+ 6	- 1	-3.0	-2.5
SUB-DIVISION								
SUB-DIVISION								
1.BAY ISLANDS	111.6	75	29.9	23.8	75	79	4.4	4.4
	- 36.5		+0.6	0.0	- 2	- 2	-0.2	-0.2
2.NORTH ASSAM	5.5	47	25.3	11.3	83	75	2.1	2.1
(INCLUDING NEFA)	- 6.2		+0.5	-0.4	+ 1	- 3	-0.4	+0.1
3.SOUTH ASSAM	0.0	0	24.5	11.1	79	66	2.4	2.3
(INCL.NAGALAND ETC)	- 2.7		-0.5	-0.2	0	- 5	+0.6	+0.5
4.SUB-HIMALAYAN	0.0	0	25.9	11.7	77	65	1.1	1.4
WEST BENGAL	- 2.6		+0.4	0.0	0	- 5	-0.2	-0.2
5.GANGETIC WEST-	0.3	7	26.2	13.1	65	57	1.5	1.8
BENGAL	- 3.8		-0.2	-0.6	- 4	- 1	+0.3	+0.2
6.ORISSA	5.6	110	27.4	13.2	70	55	2.7	3.1
	+ 0.5		0.0	-0.5	- 1	+ 1	+1.1	+1.2
7.BIHAR PLATEAU	0.2	4	25.5	10.4	65	54	1.8	1.5
	- 4.3		-0.2	-1.2	- 2	+ 4	+0.5	-0.1
8.BIHAR PLAINS	0.0	0	24.7	9.5	80	65	1.1	1.5
	- 2.4		-0.4	-1.0	+ 3	+ 3	+0.1	+0.4
9.UTTAR PRADESH	0.0	0	24.7	8.7	78	57	1.1	1.4
(EAST)	- 4.9		+0.3	-0.5	- 1	- 2	-0.2	0.0
10.UTTAR PRADESH	0.0	0	23.2	6.7	73	52	0.8	1.4
(WEST)	- 16.4		+0.7	-1.0	0	+ 1	-0.9	-0.5
11.HARYANA(INCLU.	0.0	0	23.0	6.0	69	43	0.8	0.8
DELHI CHANDIGARH)	- 12.8		-0.2	-1.2	- 5	- 4	-0.8	-1.1
12.PUNJAB	0.0	0	23.5	4.6	75	45	1.4	1.2
	- 15.7		+1.4	-1.5	- 5	- 9	-0.8	-1.3
13.HIMACHAL	0.1	0	22.7	5.4	87	56	1.1	1.5
PRADESH	- 32.9		+1.6	+0.3	- 8	- 5	-4.3	-2.0
14.JAMMU AND KASH-	0.0	0	10.6	3.5	94	66	2.2	2.4
-MIR	- 37.3		+1.8	+1.7	+ 6	- 1	-3.0	-2.5
15.RAJASTHAN(WEST)	0.0	0	28.0	9.0	51	31	1.5	1.7
	- 4.4		+2.7	+0.6	-10	- 8	-0.3	-0.5
16.RAJASTHAN(EAST)	0.0	0	26.5	7.7	61	35	1.2	1.6
	- 4.5		+1.4	-0.4	- 7	- 9	-0.5	-0.4
17.MADHYA PRADESH	1.2	20	26.6	9.7	60	37	1.8	2.0
(WEST)	- 4.7		-0.1	-0.3	- 2	+ 1	+0.1	+0.1

DIVISION	Rainfall (millimetres)	Percentage of normal	Mean maximum temperature °C	Mean minimum temperature °C	Relative Humidity % 0830 hrs. IST.	Relative Humidity % 1730 hrs. IST.	Cloud Amount (Oktas) 0830 hrs. IST.	Cloud Amount (Oktas) 1730 hrs. IST.
1	2	3	4	5	6	7	8	
10.RAJASTHAN	0.0	0	27.2	8.3	56	33	1.3	1
	- 4.4		+2.0	0.0	- 9	- 8	-0.4	-0
11.MADHYA PRADESH	6.0	107	26.4	9.7	62	40	1.8	2
	+ 0.4		-0.2	-0.4	- 3	0	+0.2	+0
12.GUJARAT STATE	3.4	309	30.4	14.8	56	38	1.7	1
(INCLU.DIU ETC)	+ 2.3		+0.9	+1.1	- 2	+ 1	+0.2	+0
13.MAHARASHTRA	1.2	24	30.1	15.7	59	43	2.2	2
STATE(INCL.GOA)	- 3.7		+0.4	+0.7	- 3	0	+0.5	+0
14.ANDHRA PRADESH	62.3	402	27.3	17.7	82	65	3.9	4
	+ 46.8		-1.4	+0.4	+ 8	+12	+1.2	+1
15.TAMILNADU	178.8	200	28.5	21.4	83	75	5.6	6
(INCL.PONDICH.)	+ 89.2		-0.3	+0.4	+ 3	+ 9	+1.2	+1
16.MYSORE	14.8	153	28.4	18.1	77	54	4.1	4
	+ 5.1		-0.6	+1.0	+ 8	+ 9	+1.3	+1
17.KERALA	94.1	217	31.6	22.7	79	68	4.8	5
	+ 50.7		+0.3	+0.4	+ 4	+ 5	+1.2	+1
SUB-DIVISION								
SUB-DIVISION(CONTD)								
18.MADHYA PRADESH	12.3	241	26.1	9.7	64	44	1.8	2
(EAST)	+ 7.2		-0.3	-0.4	- 6	- 2	+0.4	+0
19.GUJARAT REGION	6.4	914	30.7	14.6	58	35	1.3	1
(INCL.DAMAN ETC)	+ 5.7		+0.2	+1.4	- 2	0	-0.2	0
20.SAURASHTRAKUTCH	1.3	100	30.2	15.0	55	40	1.9	1
(INCLUDING DIU)	0.0		+1.4	+0.9	- 1	+ 1	+0.3	+0
21.KONKAN	0.5	22	32.5	21.3	63	60	2.2	2
(INCLUDING GOA)	- 1.8		+1.6	+1.7	- 2	- 1	+0.5	+0
22.MADHYA-	1.1	21	29.7	14.1	61	40	2.1	2
-MAHARASHTRA	- 4.2		-0.2	+0.7	+ 2	+ 6	+0.5	+0
23.MARATHWADA	0.0	0	28.8	12.3	52	30	2.5	2
	- 9.0		-0.2	0.0	- 3	- 6	+0.8	+0
24.VIDARBHA	2.5	43	28.7	13.5	56	34	2.1	2
	- 3.3		+0.1	-0.2	- 8	- 6	+0.5	+0
25.COASTAL ANDHRA	108.9	482	27.3	19.2	82	72	3.8	4
-PRADESH	+ 86.3		-1.1	+0.4	+ 6	+ 9	+1.0	+1
26.TELANGANA	21.6	432	27.4	15.5	81	59	3.6	3
	+ 16.6		-1.8	+0.2	+ 9	+17	+1.3	+1
27.RAYALASEEMA	28.7	163	27.3	18.1	81	63	4.9	5
	+ 11.1		-1.3	+1.0	+ 7	+13	+1.9	+2
28.TAMILNADU	178.8	200	28.5	21.4	83	75	5.6	6
(INCL.PONDICH.)	+ 89.2		-0.3	+0.4	+ 3	+ 9	+1.2	+1
29.COASTAL MYSORE	2.6	23	32.6	22.1	69	58	3.2	3
	- 8.8		+0.4	+1.3	+ 1	- 3	+0.5	+0
30.INTERIOR MYSORE	1.5	27	27.8	16.8	75	47	3.8	4
(NORTH)	- 4.1		-0.9	+0.7	+13	+11	+1.7	+1
31.INTERIOR MYSORE	31.0	263	26.6	16.9	82	60	4.9	5
(SOUTH)	+ 19.2		-0.8	+1.1	+ 6	+15	+1.4	+1
32.KERALA	94.1	217	31.6	22.7	79	68	4.8	5
	+ 50.7		+0.3	+0.4	+ 4	+ 5	+1.2	+1
33.ARABIAN SEA-	202.2	319	30.7	23.7	80	75	4.3	5
ISLANDS	+138.8		+0.1	+0.1	+ 4	+ 1	+0.7	+1

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

LE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - DECEMBER 1969 AGRAHAYANA 10 - PAUSA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena - No. of days with								
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27
SLANDS																											
A BANDAR	29.3	+1.4	30.1	21	23.5	+0.3	20.3	07	3.	17.8	- 23.2	13.4	29	2	- 0.8	16.1	12.6	+1.7	0	3	0	0	0	0	0	0	0
G ISLAND	30.0	+0.1	30.7	19	23.9	+1.0	20.0	07	1.8	9.2	- 24.2	4.0	19	2	- 0.6	7.5	5.4	+3.5	0	5	0	0	0	0	0	0	0
T BLAIR	31.1	+2.1	32.6	19	23.7	+0.6	20.5	13	21.6	38.5	-161.4	23.2	19	3	- 4.4	9.6	8.7	-5.2	1	4	0	0	3	0	0	0	0
NICOBAR	30.0	+0.4	31.0	11	24.2	-0.2	22.0	18	45.1	94.6	- 54.1	31.5	22	5	- 0.1	7.0	6.1	-0.4	0	6	0	0	0	0	0	0	0
COMRY	30.9	-0.4	32.8	27	24.5	+0.5	22.6	20	86.6	162.0	- 58.5	27.0	20	2	+ 2.3	2.6	1.7	+1.0	1	17	0	0	0	0	0	0	0
OUL	28.1	-0.2	28.8	25	23.1	-1.8	21.1	20	110.4	347.7	+102.5	88.3	08	15	+ 3.4	6.7	5.8	-4.1	0	19	0	0	0	0	0	0	0
BAY/LITTLE ANDAMAN	30.6	..	32.2	08	28.4	..	27.3	29	14.8	58.6	..	19.4	09	4	..	16.1	11.3	..	1	5	0	0	0	0	0	0	0
ASSAM (INCLUDING NEFA)																											
IGHAT	24.8	+0.9	27.0	20	14.0	+0.7	9.5	08	0.6	13.3	- 9.2	13.0	15	1	- 0.9	7.8	15.1	+1.8	0	2	0	0	1	1	0	0	0
RUGARH (MOHANBARI)	24.3	+0.6	26.6	04	9.5	-0.2	4.3	28	0.3	4.6	- 17.5	3.6	06	1	- 1.4	4.7	2.2	+0.[illegible]	0	2	0	0	0	16	0	0	0
BOI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TH LAKHIMPUR	25.0	+0.8	27.2	16	9.1	-0.2	4.1	28	1.9	14.3	- 17.9	8.7	06	2	- 1.3	4.2	2.7	..	0	3	0	0	0	8	0	0	0
SAGAR	..	..	..	..	..	..	..	..	0.0	41.7	+ 26.2	31.4	06	2	+ 0.6	1.6	0.8	-1.5	0	2	0	0	0	0	0	0	0
PUR	25.0	+0.9	27.2	04	9.5	-0.5	4.6	29	1.8	9.9	- 8.9	6.9	06	2	+ 1.0	1.8	1.8	..	0	2	0	0	0	2	0	0	0
BAT	25.3	..	27.3	02	11.2	..	5.4	28	0.0	4.2	- 10.8	4.2	06	1	- 0.4	2.6	2.3	-0.4	0	1	0	0	0	0	0	0	0
HAT AERODROME	24.7	..	27.0	05	10.9	..	5.6	29	0.0	1.0	..	1.0	06	0	..	..	..	..	0	1	0	0	0	22	0	0	0
GLA	26.3	+0.4	27.8	03	11.7	+0.5	6.6	29	0.0	0.0	- 8.2	0.0	..	0	- 1.0	2.5	2.2	+0.9	0	0	0	0	0	0	0	0	0
PUR	25.6	+0.9	27.7	05	12.9	+0.5	9.2	29	0.0	0.0	- 6.9	0.0	..	0	- 0.7	3.5	2.8	+0.7	0	0	0	0	0	0	0	0	0
AGHAT	25.3	+0.9	27.6	05	9.0	-3.0	4.4	28	0.0	0.0	- 17.5	0.0	..	0	- 1.3	0.8	0.8	..	0	0	0	0	0	0	0	0	0
GIA	25.1	-0.6	27.3	06	12.2	-0.9	7.8	31	0.0	0.0	- 3.6	0.0	..	0	- 0.2	5.3	2.7	..	0	0	0	0	0	0	0	0	0
PARMUKH	25.6	-0.1	26.5	05	14.2	+2.2	9.3	31	0.0	0.0	- 6.2	0.0	..	0	- 1.0	2.6	3.1	..	0	0	0	0	0	0	0	0	0
LPARA	26.5	+0.5	28.1	04	10.4	-1.8	5.9	24	0.0	0.0	- 5.5	0.0	..	0	- 0.3	2.3	1.3	-0.1	0	0	0	0	0	0	0	0	0
MATI (BHORJOR)	24.9	+0.1	26.9	12	11.5	-0.4	6.6	27	0.0	0.4	- 6.8	0.4	01	0	- 0.8	3.3	1.9	..	0	1	0	0	0	14	0	0	0
BRI (RUPSI)	25.2	-0.1	27.2	01	10.2	-1.5	6.0	31	0.0	0.0	- 0.6	0.0	..	0	- 0.1	5.3	3.6	+0.9	0	0	0	0	0	5	0	0	0
BRI	24.6	+0.9	26.2	02	13.3	-1.0	9.5	31	0.0	0.0	- 1.3	0.0	..	0	- 0.1	5.0	2.2	-1.9	0	0	0	0	0	0	0	0	0
DING	25.8	+1.4	28.1	02	10.4	-0.2	4.4	31	0.0	0.0	- 4.6	0.0	..	0	- 0.6	2.6	1.9	..	0	0	0	0	0	0	0	0	0
DILLA	8.0	..	9.8	08	2.1	..	- 2.5	31	0.0	6.4	..	6.4	08	1	..	..	..	..	0	1	0	0	0	15	0	0	0
ANG	10.5	..	15.6	03	1.0	..	0.0	13	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0
U	25.2	..	27.5	11	4.2	..	0.6	17	0.2	5.0	..	4.8	22	1	..	1.8	1.3	..	1	1	0	0	0	0	0	0	0
NG	23.3	..	30.1	16	11.3	..	5.6	30	0.0	16.2	..	14.0	15	1	..	..	..	..	0	2	0	0	0	0	0	0	0
D	16.8	..	19.1	09	1.0	..	- 4.6	31	8.4	14.8	..	6.6	02	2	..	6.3	3.2	..	0	4	0	0	30	0	0	0	0
NSA	18.6	..	20.0	17	13.3	..	11.1	31	1.4	10.0	..	7.4	07	2	..	..	..	..	0	2	0	0	0	0	0	0	0
ASSAM (INCLUDING NAGALAND, UR AND TRIPURA)																											
A	25.2	+0.5	27.5	08	14.0	+0.5	12.2	24	0.0	0.0	- 0.7	0.0	..	0	- 0.2	3.9	5.3	+0.2	0	0	0	0	0	0	0	0	0
LONG	18.7	-2.7	21.0	01	11.6	0.0	9.0	30	0.0	0.0	- 2.8	0.0	..	0	- 0.9	4.5	2.2	..	0	0	0	0	0	0	0	0	0
CHAR (KUMBHIRGRAM)	27.2	+0.3	29.6	16	13.0	+0.3	9.4	26	0.0	0.0	- 1.9	0.0	..	0	- 0.5	5.3	7.4	0.0	0	0	0	0	0	0	0	0	0
CHAR	24.0	-2.5	26.0	05	13.8	+0.5	9.2	30	0.0	0.0	- 8.6	0.0	..	0	- 0.6	0.1	0.0	-1.2	0	0	0	0	0	0	0	0	0
HAL (TULIHAL)	22.7	+0.6	24.6	16	3.5	-1.6	- 1.7	29	0.0	0.0	- 3.1	0.0	..	0	- 0.5	4.6	2.8	-0.7	0	0	0	0	0	7	0	0	0
LASHAHAR	26.6	-0.1	28.0	01	10.6	-0.6	6.4	27	0.0	0.0	0.0	0.0	..	0	0.0	4.1	2.7	+1.4	0	0	0	0	0	6	0	0	0
RTALA	26.8	+0.3	29.2	11	11.3	-0.1	7.6	27	0.0	0.0	- 1.7	0.0	..	0	- 0.1	6.1	28.7	+5.8	0	0	0	0	0	9	0	0	0
NSANG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
DKCHUNG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
IMALAYAN WEST BENGAL																											
HOOGRA	26.6	+0.6	28.5	12	8.8	-1.1	4.0	31	0.0	0.0	- 1.1	0.0	..	0	- 0.1	..	..	..	0	0	0	0	0	4	0	0	0
PAIGURI	25.8	+0.8	27.2	10	13.2	+1.1	9.3	31	0.0	0.0	- 4.3	0.0	..	0	- 0.4	3.0	2.6	-0.3	0	0	0	0	0	1	0	0	0
CH BEHAR AERODROME	25.8	0.0	27.5	04	11.0	-1.7	7.2	30	0.0	0.0	- 3.3	0.0	..	0	- 0.2	3.8	1.5	-0.2	0	0	0	0	0	2	0	0	0
URGHAT	26.6	..	28.2	01	12.8	..	9.8	28	0.0	0.0	..	0.0	..	0	..	3.4	2.1	..	0	0	0	0	0	0	0	0	0
DA	25.4	+0.3	27.1	11	13.6	+1.4	11.0	22	0.0	0.0	- 1.8	0.0	..	0	- 0.2	2.6	1.7	-2.7	0	0	0	0	0	0	0	0	0
MIHARA AERODROME	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TIC WEST BENGAL																											
HAMPORE	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
I	25.3	-0.4	27.3	11	12.8	-1.5	9.9	25	..	0.0	- 3.5	0.0	..	0	- 0.1	.	3.5	-2.2	0	0	0	0	0	0	0	0	0
NSOL	26.6	+0.4	28.7	15	10.8	-1.6	7.7	29	0.0	0.4	- 4.2	0.4	13	0	- 0.3	6.3	3.2	-2.1	0	1	0	0	0	0	0	0	0
NTI NIKETAN	25.9	..	27.7	15	12.1	..	9.5	29	0.0	0.0	..	0.0	..	0	..	2.0	1.7	..	0	0	0	0	0	0	0	0	0
SHNAGAR	27.2	-0.2	29.0	12	10.5	-1.6	7.8	29	0.0	0.0	- 3.6	0.0	..	0	- 0.3	1.8	1.8	+0.1	0	0	0	0	0	0	0	0	0
ULIA	25.1	-0.9	27.9	11	12.1	-1.7	9.0	27	0.0	0.0	- 1.3	0.0	..	0	- 0.3	3.6	1.9	-0.7	0	0	0	0	0	0	0	0	0
KURA	26.9	..	28.6	09	12.3	..	9.1	29	0.0	0.0	- 3.6	0.0	..	0	- 0.4	2.0	1.6	..	0	0	0	0	0	0	0	0	0
DWAN	26.8	+0.6	28.2	06	13.6	0.0	10.5	25	0.0	0.0	- 5.1	0.0	..	0	- 0.3	..	..	..	0	0	0	0	0	0	0	0	0
CUTTA (DUM DUM)	26.1	-0.4	27.6	12	13.1	+0.1	10.2	29	0.0	0.0	- 3.6	0.0	..	0	- 0.3	6.4	2.9	-0.[illegible]	0	0	0	0	0	1	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – DECEMBER 1969 AGRAHAYANA 18 - PAUSA 18, 1891 SAKA

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26
GANGETIC WEST BENGAL (CONTD.)																										
CALCUTTA	26.9	-0.1	28.7	02	14.2	0.0	11.2	29	0.0	0.0	- 4.1	0.0	..	0	- 0.4	1.6	2.4	-0.1	0	0	0	0	0	7	0	0
MIDNAPORE	26.0	-0.7	28.2	01	13.1	-0.2	9.6	29	0.0	2.4	- 2.7	2.4	14	0	- 0.3	4.1	2.4	-0.7	0	1	0	0	0	0	0	0
CONTAI	26.6	-0.5	28.5	07	14.0	-0.8	10.3	26	0.0	0.0	- 4.3	0.0	..	0	- 0.2	3.6	2.2	-0.9	0	0	0	0	0	0	0	0
SAGAR ISLAND	25.5	+0.2	27.4	13	16.3	-0.1	13.4	30	0.0	0.0	- 6.1	0.0	..	0	- 0.3	12.7	10.3	-0.8	0	0	0	0	0	23	0	0
SANDHEADS	26.5	..	28.7	0[illegible]	22.2	..	17.5	28	0.0	0.0	- 10.7	0.0	..	0	- 0.4	..	..	..	0	0	0	0	0	0	0	0
BAGATI	26.5	..	28.9	22	11.2	..	8.2	23	0.0	0.0	..	0.0	..	0	..	3.0	1.5	..	0	0	0	0	0	0	0	0
ORISSA																										
BARIPADA	27.4	-0.6	30.0	12	12.6	+0.6	8.3	28	0.5	2.9	+ 2.3	2.9	14	1	+ 1.0	2.0	0.8	-0.7	0	1	0	0	0	0	0	0
JHARSUGUDA	27.8	+0.2	29.8	10	11.3	-0.8	7.1	28	0.0	0.7	- 0.7	0.7	13	0	- 0.2	6.1	5.0	-0.1	0	1	0	0	0	0	0	0
KEONJHARGARH	..	..	..	..	..	..	..	..	0.0	0.3	- 7.3	0.3	14	0	- 0.3	..	..	..	0	1	0	0	0	0	0	0
BALASORE	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.
SAMBALPUR	30.1	+2.4	34.1	01	11.0	-1.2	4.9	27	1.0	2.3	- 1.5	2.3	14	0	- 0.4	..	..	..	0	1	0	0	0	0	0	0
ANGUL	26.8	-0.1	29.0	04	10.7	-2.7	6.2	26	1.0	2.8	- 0.8	2.8	14	1	+ 0.6	6.4	5.0	-0.2	0	1	0	0	0	0	0	0
CHANDBALI	26.8	-0.1	28.9	02	14.3	-0.4	9.0	26	0.0	1.2	- 7.2	1.2	15	0	- 0.5	..	..	..	0	1	0	0	0	0	0	0
BOLANGIR	27.6	+0.1	29.9	11	18.1	+4.4	15.0	28	3.1	5.6	+ 0.7	4.1	14	1	+ 0.5	2.0	2.6	-1.3	0	2	0	0	0	0	0	0
PHULBANI	25.8	..	28.0	04	9.0	..	2.2	27	5.7	17.6	..	11.1	14	2	..	2.4	1.1	..	0	3	0	0	0	1	0	0
CUTTACK	29.0	+0.6	31.8	06	16.1	+0.6	11.1	07	3.2	3.5	- 3.6	3.5	15	1	+ 0.6	3.1	2.5	-0.1	0	1	0	0	0	0	0	0
TITLAGARH	27.9	-0.2	29.6	03	11.4	-1.8	8.3	28	7.8	17.2	+ 16.5	12.4	14	2	+ 1.8	2.2	2.1	+0.3	0	3	0	0	0	0	0	0
BHUBANESWAR	27.3	-0.9	29.5	06	14.9	-0.9	10.0	27	1.5	4.7	+ 1.8	4.7	15	1	+ 0.6	6.1	4.0	-2.5	0	1	0	0	0	0	0	0
PURI	27.0	-0.2	28.8	03	..	..	..	..	0.0	3.2	- 6.2	3.2	15	1	+ 0.4	9.6	7.1	-3.4	0	1	0	0	0	0	0	0
GOPALPUR	27.1	-0.4	29.4	03	15.7	-0.9	10.7	27	0.0	0.0	- 13.7	0.0	..	0	- 0.6	..	..	..	0	0	0	0	0	0	0	0
KORAPUT	24.4	-0.1	27.0	11	9.4	-1.9	3.0	27	12.3	28.3	+ 25.5	15.2	14	3	+ 2.7	..	..	..	0	6	0	0	0	0	0	0
PARADIP PORT	..	..	..	..	14.0	..	11.3	30	0.0	8.4	..	8.4	15	1	..	17.0	14.0	..	0	1	0	0	0	0	0	0
ROURKELA	26.9	..	29.3	10	10.8	..	5.9	27	0.8	1.3	..	0.8	14	0	..	..	..	..	0	2	0	0	0	0	0	0
BHOWANI PATNA	26.8	..	30.1	06	12.6	..	7.2	27	8.0	44.9	..	19.1	14	3	..	3.3	3.3	..	0	3	0	0	0	0	0	0
BIHAR PLATEAU																										
DUMKA	25.9	0.0	27.7	10	10.7	-0.7	7.9	24	0.0	0.0	- 3.8	0.0	..	0	- 0.3	2.6	2.5	+0.1	0	0	0	0	0	0	0	0
DALTONGANJ	..	..	..	..	..	..	..	..	0.0	0.0	- 4.6	0.0	..	0	- 0.4	3.2	2.6	+0.3	0	0	0	0	0	0	0	0
HAZARIBAGH	..	..	..	..	..	..	..	..	0.0	0.0	- 5.8	0.0	..	0	- 0.4	4.5	2.2	-3.8	0	0	0	0	0	0	0	0
DHANBAD	25.3	+0.1	27.3	12	10.6	-1.8	7.8	27	0.0	0.0	- 5.2	0.0	..	0	- 0.4	2.7	2.5	-3.6	0	0	0	0	0	0	0	0
RANCHI AERODROME	23.3	+0.1	26.5	11	9.5	-1.0	6.2	24	0.0	0.0	- 3.9	0.0	..	0	- 0.3	9.0	6.7	-0.7	0	0	0	0	0	0	0	0
JAMSHEDPUR	26.3	-0.5	28.1	09	10.3	-1.3	5.6	28	0.0	0.0	- 5.0	0.0	..	0	- 0.4	1.6	0.8	-2.0	0	0	0	0	0	10	0	0
JAMSHEDPUR P.B.O.	26.1	-0.1	28.5	15	10.5	-1.5	6.1	28	0.2	0.7	- 2.4	0.7	14	0	- 0.3	4.2	2.0	-1.2	0	1	0	0	0	0	0	0
CHAIBASA	26.0	-0.6	28.0	03	10.7	-1.0	6.7	27	1.2	1.2	- 3.4	1.2	14	0	- 0.4	1.5	1.3	-0.3	0	1	0	0	0	0	0	0
BIHAR PLAINS																										
MOTIHARI	24.7	+0.5	26.1	01	8.3	-1.4	5.0	26	0.0	0.0	- 0.3	0.0	..	0	- 0.1	3.3	1.7	+0.1	0	0	0	0	0	0	0	0
FORBESGANJ	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.
DARBHANGA	25.3	+0.1	27.4	11	11.1	+0.3	7.7	26	0.0	0.0	- 2.8	0.0	..	0	- 0.3	0.5	0.7	-0.4	0	0	0	0	0	0	0	0
MUZAFFARPUR	24.3	..	26.3	11	10.8	..	7.5	27	0.0	0.0	- 3.1	0.0	..	0	- 0.3	3.1	1.5	..	0	0	0	0	0	0	0	0
CHAPRA	24.8	..	26.4	03	11.9	..	8.8	26	0.0	0.0	- 2.0	0.0	..	0	- 0.4	2.3	1.2	..	0	0	0	0	0	0	0	0
PURNEA	25.4	-0.1	27.4	11	8.1	-1.7	4.7	16	0.0	0.0	- 3.1	0.0	..	0	- 0.2	..	..	..	0	0	0	0	0	0	0	0
PATNA AERODROME	24.0	-0.5	26.0	09	9.8	-0.3	6.1	27	0.0	0.0	- 3.4	0.0	..	0	- 0.3	4.7	1.9	-0.6	0	0	0	0	0	12	0	0
ARRAH	..	..	..	..	..	..	..	..	..	0.0	- 2.9	0.0	..	0	- 0.4	..	..	..	0	0	0	0	0	0	0	0
BHAGALPUR	25.0	-0.5	27.3	01	12.3	-0.5	9.5	27	0.0	0.0	- 1.6	0.0	..	0	- 0.2	6.0	4.3	+0.4	0	0	0	0	0	0	0	0
SABAUR	24.6	-0.2	27.0	01	7.3	-1.8	4.7	25	0.0	0.0	- 2.0	0.0	..	0	- 0.3	6.0	2.8	-0.9	0	0	0	0	0	0	0	0
JAMUI	24.2	-1.7	26.9	11	..	..	..	..	0.0	0.0	- 0.7	0.0	..	0	- 0.2	3.2	2.1	-0.8	0	0	0	0	0	0	0	0
DEHRI	24.9	-0.7	28.0	11	10.9	-1.0	8.0	28	0.0	0.0	- 4.3	0.0	..	0	- 0.4	4.4	2.9	-0.4	0	0	0	0	0	0	0	0
GAYA	24.2	-0.9	27.1	09	8.4	-1.5	4.8	27	0.0	0.0	- 2.0	0.0	..	0	- 0.4	5.8	4.4	-0.6	0	0	0	0	0	0	0	0
SUPAUL	..	..	..	..	10.8	..	8.1	17	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0
UTTAR PRADESH EAST																										
KHERI	25.2	+0.9	28.2	13	9.4	-0.3	6.9	27	0.0	0.0	- 3.8	0.0	..	0	- 0.7	2.3	1.4	-0.1	0	0	0	0	0	4	0	0
BAHRAICH	25.2	+0.9	28.2	13	9.3	-0.1	4.4	27	0.0	0.0	- 7.4	0.0	..	0	- 0.7	2.4	1.5	-1.4	0	0	0	0	0	0	0	0
NAUTANWA	25.8	+1.6	27.8	13	8.5	-1.4	6.0	27	0.0	0.0	- 2.7	0.0	..	0	- 0.5	1.7	1.1	-0.6	0	0	0	0	0	0	0	0
HARDOI	23.5	-0.9	25.0	08	8.4	-0.7	5.7	27	0.0	0.0	- 2.1	0.0	..	0	- 0.5	2.7	2.0	-1.2	0	0	0	0	0	0	0	0
GONDA	24.8	+0.5	28.0	13	7.7	-1.1	5.1	26	0.0	0.0	- 6.0	0.0	..	0	- 0.6	2.8	2.2	-0.6	0	0	0	0	0	0	0	0
LUCKNOW	23.3	-1.5	26.5	13	9.2	+0.1	7.9	26	0.0	0.0	- 6.3	0.0	..	0	- 0.5	..	..	..	0	0	0	0	0	0	0	0
LUCKNOW (AMAUSI)	24.3	+0.4	26.9	13	7.1	-0.4	4.1	26	0.0	0.0	- 3.5	0.0	..	0	- 0.5	6.8	4.5	0.0	0	0	0	0	0	3	0	0
FAIZABAD	25.4	+1.5	27.7	13	8.8	+1.0	5.6	26	0.0	0.0	- 4.5	0.0	..	0	- 0.4	2.9	1.3	-1.0	0	0	0	0	0	13	0	0
GORAKHPUR	25.1	+0.8	28.5	15	9.4	-1.4	5.9	26	0.0	0.0	- 4.3	0.0	..	0	- 0.4	4.4	2.3	0.0	0	0	0	0	0	0	0	0

TABLE II – SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – DECEMBER, 1969 AGRAHAYANA 10 – PAUSA 10, 1891 SAKA

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Maximum fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena – No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Haze or dust	Fog	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																												
KANPUR	24.4	+0.1	26.9	13	8.6	+0.1	5.1	28	0.0	0.0	- 7.4	0.0	..	0	- 0.7	10.8	6.0	+0.8	0	0	0	0	0	1	0	0	0	0
KANPUR (AERODROME)	24.8	..	27.4	13	7.7	..	5.1	16	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	8	0	0	0	0
SULTANPUR	24.7	+0.7	27.5	13	8.3	-0.7	5.0	27	0.0	0.0	- 4.4	0.0	..	0	- 0.2	2.4	1.4	-1.4	0	0	0	0	0	0	0	0	0	0
AZAMGARH	25.7	+0.2	28.6	12	8.9	-0.6	5.4	26	0.0	0.0	- 4.0	0.0	..	0	- 0.5	3.1	1.4	..	0	0	0	0	0	0	0	0	0	0
FATEHPUR	24.4	-0.1	26.7	13	7.7	-1.3	4.7	27	0.0	0.0	- 8.9	0.0	..	0	- 0.8	..	..	..	0	0	0	0	0	0	0	0	0	0
BALLIA	24.4	-0.4	26.9	03	10.7	+0.6	8.0	28	0.0	0.0	- 2.5	0.0	..	0	- 0.3	2.9	1.5	-0.4	0	0	0	0	0	0	0	0	0	0
BANDA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
ALLAHABAD (BAMHRAULI)	25.3	+0.5	28.0	09	8.7	-0.6	5.7	26	0.0	0.0	- 7.6	0.0	..	0	- 0.7	1.8	0.5	-3.1	0	0	0	0	0	6	0	0	0	0
VARANASI (BABATPUR)	24.4	-0.3	26.6	09	9.0	-0.5	5.3	26	0.0	0.0	- 2.4	0.0	..	0	- 0.3	4.5	2.6	-2.3	0	0	0	0	0	3	0	0	0	0
VARANASI	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
UTTAR PRADESH WEST																												
MUKHIM	16.5	+2.3	19.9	08	6.3	+0.8	4.1	22	0.0	0.0	- 52.1	0.0	..	0	- 2.2	..	..	..	0	0	0	0	0	0	0	0	0	0
TEHRI	22.7	+1.8	25.0	13	5.0	+0.1	3.2	26	0.0	0.0	- 37.3	0.0	..	0	- 1.6	0.2	0.0	..	0	0	0	0	0	0	0	0	0	0
DEHRA DUN	22.3	+1.4	25.0	12	5.9	-1.1	3.3	25	0.0	0.0	- 24.9	0.0	..	0	- 1.7	3.2	3.0	+0.4	0	0	0	0	0	0	0	0	0	0
MANSIARI	..	..	..	..	..	..	..	..	0.5	1.5	..	1.5	11	0	..	7.0	3.2	..	0	1	1	0	0	0	0	0	0	0
ROORKEE	23.6	+1.6	25.8	12	5.0	-1.8	1.6	24	0.0	0.0	- 16.0	0.0	..	0	- 1.3	5.4	2.1	-1.0	0	0	0	0	0	0	0	0	0	0
NAJIBABAD	23.5	+0.9	25.4	12	6.8	-0.6	3.6	26	0.0	0.0	- 12.1	0.0	..	0	- 0.7	4.3	2.7	+0.2	0	0	0	0	0	2	0	0	0	0
MEERUT	25.2	+2.0	27.2	09	3.8	-4.3	1.5	23	..	0.0	- 11.4	0.0	..	0	- 1.2	.	4.3	+0.6	0	0	0	0	0	0	0	0	0	0
BAREILLY	23.8	0.0	26.7	13	9.0	-0.4	6.8	27	0.0	0.0	- 9.1	0.0	..	0	- 0.9	6.1	3.6	+0.9	0	0	0	0	0	7	0	0	0	0
ALIGARH	23.5	-0.2	25.6	06	7.4	-0.9	5.4	27	0.0	0.0	- 6.6	0.0	..	0	- 0.7	5.6	3.7	-1.0	0	0	0	0	0	0	0	0	0	0
MAINPURI	24.7	-0.1	28.0	13	7.7	-0.5	4.7	27	0.0	0.0	- 7.9	0.0	..	0	- 0.7	..	..	..	0	0	0	0	0	0	0	0	0	0
AGRA	24.3	+0.2	27.0	07	7.6	-0.6	5.0	25	0.0	0.0	- 5.8	0.0	..	0	- 0.6	1.9	1.0	-1.9	0	0	0	0	0	0	0	0	0	0
AGRA AERODROME	24.7	..	27.4	07	6.7	..	3.9	25	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	1	0	0	0	0
ORAI	24.3	-0.5	26.4	20	8.6	-0.3	5.0	28	0.0	0.0	- 6.6	0.0	..	0	- 0.5	3.8	2.9	-1.0	0	0	0	0	0	0	0	0	0	0
JHANSI	24.4	-1.1	28.1	21	7.0	-2.3	5.0	25	0.0	0.0	- 6.9	0.0	..	0	- 0.8	1.9	2.1	-1.2	0	0	0	0	0	0	0	0	0	0
MORADABAD	22.8	..	25.6	10	8.5	..	5.5	24	0.0	0.0	..	0.0	..	0	..	2.6	3.0	..	0	0	0	0	0	0	0	0	0	0
UTTAR KASHI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
ASCOT	..	..	..	..	..	..	..	..	0.0	0.0	..	0.0	..	0	..	2.0	0.7	..	0	0	0	0	0	1	0	0	0	0
DHARCHULA	..	..	..	..	..	..	..	..	0.0	0.0	..	0.0	..	0	..	1.6	1.0	..	0	0	0	0	0	0	0	0	0	0
HARYANA (INCLUDING DELHI AND CHANDIGARH)																												
CHANDIGARH	23.8	+1.3	25.6	12	5.3	-2.1	1.7	25	0.0	0.0	- 18.4	0.0	..	0	- 1.4	..	..	..	0	0	0	0	0	0	0	0	0	0
AMBALA	20.1	-3.1	22.4	08	6.3	-0.8	1.8	28	0.0	0.0	- 16.8	0.0	..	0	- 1.4	8.1	6.9	+2.0	0	0	0	0	0	0	0	0	0	0
AMBALA AERODROME	23.7	..	25.7	08	3.3	..	0.0	25	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	2	0	0	0	0
KARNAL	23.0	+0.2	25.4	10	6.4	-2.0	4.0	26	0.0	0.0	- 8.8	0.0	..	0	- 0.6	..	..	..	0	0	0	0	0	0	0	0	0	0
HISSAR	24.9	+0.8	27.9	10	5.9	-0.1	3.5	27	0.0	0.0	- 7.1	0.0	..	0	- 0.8	3.9	3.7	-1.2	0	0	0	0	0	0	0	0	0	0
NEW DELHI/SAFDARJUNG	24.0	+0.6	26.8	10	7.5	-0.5	5.1	28	0.0	0.0	- 8.6	0.0	..	0	- 0.8	10.8	6.4	-1.2	0	0	0	0	0	8	0	0	0	0
PALAM AERODROME	23.9	..	26.4	10	5.4	..	3.1	01	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	1	0	0	0	0
GURGAON	23.7	..	26.5	09	3.7	..	1.3	23	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
NARNAUL	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
ROHTAK	24.4	..	27.8	10	5.2	..	3.5	24	0.0	0.0	..	0.0	..	0	..	6.6	6.0	..	0	0	0	0	0	3	0	0	0	0
PUNJAB																												
PATHANKOT	22.7	+1.6	25.8	12	2.7	-4.2	- 0.1	25	0.0	0.0	- 26.7	0.0	..	0	- 1.8	..	..	..	0	0	0	0	1	0	0	0	0	0
AMRITSAR	23.3	+1.9	26.2	10	3.8	-1.2	1.8	24	0.0	0.0	- 14.0	0.0	..	0	- 1.4	..	..	..	0	0	0	0	0	0	0	0	0	0
ADAMPUR AERODROME	23.4	..	25.5	12	0.5	..	- 2.6	24	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	1	0	0	0	0
LUDHIANA	24.5	+1.6	27.1	08	6.0	-0.2	3.6	24	0.0	0.0	- 17.5	0.0	..	0	- 1.6	3.7	1.9	0.0	0	0	0	0	0	0	0	0	0	0
FEROZEPUR	23.1	+1.2	26.6	09	5.1	-1.1	3.2	26	0.0	0.0	- 14.5	0.0	..	0	- 0.8	1.7	1.3	0.0	0	0	0	0	0	0	0	0	0	0
HALWARA AERODROME	23.4	..	25.6	08	3.8	..	1.7	14	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
PATIALA	23.0	-0.1	25.3	12	5.7	-1.6	2.7	24	0.0	0.0	- 12.9	0.0	..	0	- 1.2	8.0	6.8	+0.6	0	0	0	0	0	0	0	0	0	0
BHATINDA	24.3	+1.9	27.7	09	4.3	-0.6	2.0	26	0.0	0.0	- 8.6	0.0	..	0	- 1.0	2.3	1.2	-2.3	0	0	0	0	0	0	0	0	0	0
HIMACHAL PRADESH																												
MANDI	..	..	..	..	..	..	..	..	0.0	0.2	- 32.9	0.2	11	0	- 2.7	..	..	..	1	0	0	0	0	0	0	0	0	0
BILASPUR	22.7	+1.6	31.5	22	5.4	+0.3	3.0	25	0.0	0.0	- 32.9	0.0	..	0	- 2.7	2.0	1.6	-1.1	0	0	0	0	1	0	0	0	0	0
JAMMU AND KASHMIR																												
NISGAR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GILGIT	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SKARDU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
DRAS	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SONAMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
LEH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SRINAGAR	10.6	+1.8	14.1	09	3.5	+1.7	- 5.9	24	0.0	0.0	- 37.3	0.0	..	0	- 3.3	3.5	2.9	-0.5	0	0	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - DECEMBER, 1969 AGRAHAYANA 10 - PAUSA 10, 1891 SAKA

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	21	22	23	24	25	26	27	28
JAMMU AND KASHMIR (CONTD)																												
SRINAGAR AERODROME	9.1	..	11.5	09	4.6	..	- 7.6	25	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
GULMARG	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
QAZIGUND	10.3	..	13.7	06	3.6	..	- 6.2	24	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
BANIHAL	15.8	..	19.5	09	0.8	..	- 2.9	29	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
JAMMU	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JAMMU AERODROME	22.9	..	25.5	07	7.0	..	3.8	24	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
GULMARG (RESEARCH INSTITUTE)	7.2	..	9.2	09	4.1	..	- 6.6	31	4.0	14.0	..	10.0	30	2	..	..	..	..	0	2	1	0	0	1	0	0	0	0
RAJASTHAN, WEST																												
GANGANAGAR	26.0	+2.7	29.6	09	6.1	+0.6	3.5	25	0.0	0.0	- 11.6	0.0	..	0	- 3.3	2.6	1.5	-1.9	0	0	0	0	0	0	0	0	0	0
ANUPGARH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
CHURU	26.4	+2.6	29.3	10	4.9	-1.0	2.1	15	0.0	0.0	- 5.0	0.0	..	0	- 0.7	3.8	2.7	-1.3	0	0	0	0	0	0	0	0	0	0
BIKANER	26.8	+2.1	30.6	10	6.0	+0.4	3.2	16	0.0	0.0	- 4.3	0.0	..	0	- 0.4	3.9	2.7	-1.0	0	0	0	0	0	0	0	0	0	0
NAGAUR	27.7	+3.9	31.0	10	7.6	-0.6	4.4	15	0.0	0.0	- 9.6	0.0	..	0	- 0.5	4.5	3.4	-1.5	0	0	0	0	0	0	0	0	0	0
PHALODI	28.2	+3.5	31.4	09	8.7	+0.7	5.6	17	0.0	0.0	- 2.0	0.0	..	0	- 0.1	7.8	5.1	-3.2	0	0	0	0	0	0	0	0	0	0
JAISALMER	27.7	+1.7	31.4	05	9.2	+0.3	5.7	13	0.0	0.0	- 1.8	0.0	..	0	- 0.3	6.9	6.0	-0.5	0	0	0	0	0	0	0	0	0	0
JODHPUR	29.5	+2.8	32.8	06	12.7	+2.0	7.5	20	0.0	0.0	- 2.0	0.0	..	0	- 0.3	..	..	..	0	0	0	0	0	0	0	0	0	0
BARMER	29.4	+2.4	32.0	09	13.8	+1.7	9.7	19	0.0	0.0	- 2.0	0.0	..	0	- 0.2	4.4	4.3	-2.1	0	0	0	0	0	0	0	0	0	0
ERINPURA (JAWAI DAM)	30.2	+2.8	32.0	10	11.8	+0.9	8.1	13	0.0	0.0	- 1.2	0.0	..	0	- 0.3	2.2	1.9	-1.5	0	0	0	0	0	0	0	0	0	0
JALORE	29.9	..	32.5	10	..	..	..	..	0.0	0.0	..	0.0	..	0	..	4.0	3.0	..	0	0	0	0	0	0	0	0	0	0
RAJASTHAN, EAST																												
PILANI	26.4	+2.7	29.8	10	6.5	+0.9	3.2	24	0.0	0.0	- 4.0	0.0	..	0	- 0.7	3.7	4.5	-2.1	0	0	0	0	0	0	0	0	0	0
SIKAR	26.1	+1.3	28.6	10	5.1	-1.6	1.2	16	0.0	0.0	- 4.1	0.0	..	0	- 0.3	0.9	0.5	-4.4	0	0	0	0	0	0	0	0	0	0
ALWAR	24.7	+0.9	27.4	07	7.9	-0.2	4.8	25	0.0	0.0	- 3.7	0.0	..	0	- 0.3	3.2	2.1	+0.2	0	0	0	0	0	0	0	0	0	0
JAIPUR (SANGANER)	26.1	+1.7	28.3	09	8.7	-0.4	5.4	18	0.0	0.0	- 7.6	0.0	..	0	- 0.7	..	..	..	0	0	0	0	0	0	0	0	0	0
DHOLPUR	25.7	+1.3	28.8	14	4.4	-3.4	1.7	30	0.0	0.0	- 2.5	0.0	..	0	- 0.5	2.4	1.4	-1.7	0	0	0	0	0	0	0	0	0	0
AJMER	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
TONK	27.7	+4.4	30.2	07	6.5	-1.4	3.4	24	0.0	0.0	- 5.9	0.0	..	0	- 0.6	3.3	3.0	-1.2	0	0	0	0	0	0	0	0	0	0
BHILWARA	26.9	..	30.0	19	9.2	..	5.3	16	0.0	0.0	..	0.0	..	0	..	4.6	3.8	..	0	0	0	0	0	0	0	0	0	0
KOTA	27.4	+0.7	30.4	07	11.5	+0.2	8.2	25	0.0	0.0	- 5.3	0.0	..	0	- 0.5	0.7	0.5	-1.2	0	0	0	0	0	0	0	0	0	0
KOTA AERODROME	26.3	..	30.2	07	11.6	..	8.3	25	0.0	0.0	..	0.0	..	0	..	6.0	4.2	..	0	0	0	0	0	0	0	0	0	0
CHAMBAL (RAWAT BHATTA DAM)	27.1	+0.5	29.4	07	10.2	+3.4	6.7	18	0.0	0.0	- 0.5	0.0	..	0	- 0.3	2.7	2.5	-0.6	0	0	0	0	0	0	0	0	0	0
UDAIPUR	26.9	+0.6	30.2	19	8.5	+0.2	5.2	18	0.0	0.0	- 3.3	0.0	..	0	- 0.4	2.0	0.9	-0.6	0	0	0	0	0	0	0	0	0	0
JHALAWAR	27.3	+0.8	29.7	10	8.1	-1.5	4.5	18	0.0	0.0	- 7.6	0.0	..	0	- 0.6	3.4	2.1	-0.5	0	0	0	0	0	0	0	0	0	0
BANSWARA	29.8	..	32.0	09	13.4	..	9.7	21	0.0	0.0	..	0.0	..	0	..	7.9	7.8	..	0	0	0	0	0	0	0	0	0	0
DUNGARPUR	28.6	..	31.4	21	10.7	..	7.0	19	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
BUNDI	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SAWAI MADHOPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MADHYA PRADESH, WEST																												
GWALIOR	25.2	+0.4	28.2	07	6.2	-1.0	2.9	25	0.0	0.0	- 6.4	0.0	..	0	- 0.7	5.5	2.8	-0.1	0	0	0	0	0	1	0	0	0	0
SHEOPUR	27.3	+1.2	30.0	10	7.9	-0.4	5.0	16	0.0	0.0	- 3.4	0.0	..	0	- 0.5	3.5	2.6	-1.4	0	0	0	0	0	0	0	0	0	0
SHIVPURI	25.2	..	27.0	19	5.5	..	1.9	25	0.0	0.0	..	0.0	..	0	..	3.5	2.0	..	0	0	0	0	0	0	0	0	0	0
NOWGONG	25.5	+0.2	27.7	20	7.2	-0.3	3.0	26	0.0	0.0	- 6.9	0.0	..	0	- 0.6	3.1	1.4	-0.7	0	0	0	0	0	0	0	0	0	0
GUNA	25.4	-0.6	27.8	21	7.3	-0.6	3.1	17	0.0	0.0	- 12.5	0.0	..	0	- 1.1	7.7	4.1	+0.8	0	0	0	0	0	0	0	0	0	0
NIMACH	26.9	+0.7	29.4	19	11.8	+1.7	8.3	15	0.0	0.0	- 2.3	0.0	..	0	- 0.2	5.0	3.8	-1.4	0	0	0	0	0	0	0	0	0	0
RAJGARH	27.2	-0.1	29.3	20	9.6	+0.3	5.7	17	0.0	0.0	- 3.6	0.0	..	0	- 0.6	5.1	3.8	-0.5	0	0	0	0	0	0	0	0	0	0
SAGAR	23.3	-2.1	25.7	01	..	..	..	..	0.0	0.0	- 8.6	0.0	..	0	- 0.7	11.8	9.9	+3.4	0	0	0	0	0	0	0	0	0	0
RATLAM	28.1	-0.1	31.4	20	12.0	-0.3	8.4	19	..	0.2	- 0.3	0.2	01	0	- 0.1	.	7.6	+1.5	1	0	0	0	0	0	0	0	0	0
BHOPAL (BAIRAGARH)	25.2	-0.9	28.1	21	10.5	-0.1	6.1	16	0.0	0.0	- 6.3	0.0	..	0	- 0.6	6.5	5.7	+1.3	0	0	0	0	0	0	0	0	0	0
UJJAIN	26.9	..	30.2	22	8.6	..	4.6	17	0.0	0.0	..	0.0	..	0	..	6.4	2.9	..	0	0	0	0	0	0	0	0	0	0
NARSINGHPUR	27.0	..	29.0	08	7.7	..	3.4	28	0.0	0.0	..	0.0	..	0	..	3.5	1.5	..	0	0	0	0	0	0	0	0	0	0
HOSHANGABAD	26.3	-0.8	29.3	21	11.3	-1.0	7.2	27	0.0	0.0	- 10.7	0.0	..	0	- 0.8	3.3	3.3	-0.2	0	0	0	0	0	0	0	0	0	0
INDORE	26.5	-0.2	29.4	21	10.7	+0.8	7.0	18	0.0	0.2	- 6.4	0.2	01	0	- 0.6	6.1	3.6	-3.5	1	0	0	0	0	0	0	0	0	0
RAJPUR (JHABUA)	28.0	-0.8	31.0	20	11.8	-0.3	7.4	18	0.0	18.8	+ 18.0	18.8	01	1	+ 0.6	6.6	3.2	+0.1	0	1	0	0	0	0	0	0	0	0
CHHINDWARA	26.8	+0.5	28.2	01	8.7	-1.1	4.7	26	0.0	0.0	- 3.8	0.0	..	0	- 0.5	..	..	..	0	0	0	0	0	0	0	0	0	0
SEONI	26.7	+0.6	30.2	20	10.7	-0.2	6.3	27	0.0	0.0	- 10.4	0.0	..	0	- 0.8	5.9	4.1	0.0	0	0	0	0	0	0	0	0	0	0
BETUL	26.9	-0.1	30.1	20	9.8	-0.5	4.6	18	0.0	0.0	- 4.4	0.0	..	0	- 0.5	5.0	2.9	-1.0	0	0	0	0	0	0	0	0	0	0
KHANDWA	30.3	+0.7	32.2	05	10.1	-1.1	5.7	18	0.0	0.0	- 7.4	0.0	..	0	- 0.6	6.2	4.0	-0.3	0	0	0	0	0	0	0	0	0	0
TIKAMGARH	24.9	..	27.0	20	6.9	..	3.2	17	0.0	0.0	..	0.0	..	0	..	3.5	2.3	..	0	0	0	0	0	0	0	0	0	0
SHAJAPUR	26.3	..	29.3	21	8.5	..	4.5	17	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0

TABLE II – SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – DECEMBER, 1969 (10 ASADHA – 9 SRAVANA, 1890 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena – No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
MADHYA PRADESH WEST (CONTD)																												
KANHOD	27.8	..	29.7	02	10.5	..	6.5	18	0.0	0.0	..	0.0	..	0	..	4.1	2.6	..	0	0	0	0	0	0	0	0	0	0
KHARGONE	29.6	..	32.5	21	10.6	..	5.2	17	0.0	1.5	..	1.5	01	0	..	5.3	3.7	..	0	1	0	0	0	0	0	0	0	0
BIND	25.3	..	27.7	07	9.4	..	6.5	25	0.0	0.0	..	0.0	..	0	..	5.3	4.8	..	0	0	0	0	0	11	0	0	0	0
MADHYA PRADESH, EAST																												
SATNA	25.6	-0.2	27.7	09	8.2	-0.2	4.1	26	0.0	0.0	- 9.1	0.0	..	0	- 0.9	3.3	2.3	-0.6	0	0	0	0	0	0	0	0	0	0
REWA	22.3	..	27.2	09	8.2	..	4.1	26	0.0	0.0	..	0.0	..	0	..	2.8	1.3	..	0	0	0	0	0	0	0	0	0	0
SIDHI	25.7	+0.4	28.2	11	7.6	0.0	3.8	26	0.0	0.0	- 5.1	0.0	..	0	- 0.3	1.6	1.1	-1.4	0	0	0	0	0	0	0	0	0	0
UMARIA	25.9	+0.3	29.3	10	7.1	-0.9	2.8	27	0.0	0.0	- 8.9	0.0	..	0	- 0.7	3.5	1.9	-0.6	0	0	0	0	0	0	0	0	0	0
JABALPUR	27.1	+0.2	29.6	10	8.5	-0.5	4.4	27	0.0	0.0	- 8.4	0.0	..	0	- 0.7	4.2	2.4	-0.3	0	0	0	0	0	0	0	0	0	0
AMBIKAPUR	23.9	-0.3	27.3	11	7.2	-0.8	3.3	27	0.0	0.0	- 2.3	0.0	..	0	- 0.2	7.2	4.9	-0.5	0	0	0	0	0	0	0	0	0	0
JASHPURNAGAR	24.0	..	26.0	10	6.9	..	2.9	27	0.0	0.0	..	0.0	..	0	..	3.1	1.1	..	0	0	0	0	0	0	0	0	0	0
PENDRA	24.8	+0.6	27.6	10	10.7	+0.6	7.2	29	0.0	0.0	- 6.3	0.0	..	0	- 0.5	5.2	3.2	-0.9	0	0	0	0	0	0	0	0	0	0
MANDLA	23.3	-3.3	25.2	10	6.9	-0.9	2.8	27	..	0.0	- 5.9	0.0	..	0	- 0.5	.	1.6	+0.3	0	0	0	0	0	0	0	0	0	0
CHAMPA	27.6	-0.2	29.3	01	12.1	-1.6	0.0	01	0.0	0.0	- 4.1	0.0	..	0	- 0.4	4.5	5.7	+2.1	0	0	0	0	0	0	0	0	0	0
RAIGARH	28.5	+0.1	30.0	08	12.4	-1.0	7.6	28	0.0	0.0	- 1.3	0.0	..	0	- 0.3	4.2	2.9	-0.3	0	0	0	0	0	0	0	0	0	0
RAIPUR	27.6	+0.3	29.7	02	12.1	-1.1	8.2	27	0.0	0.0	- 4.1	0.0	..	0	- 0.3	5.4	3.1	-1.3	0	0	0	0	0	0	0	0	0	0
KANKER	27.4	+0.3	28.8	22	11.7	+0.5	6.5	26	2.2	5.2	+ 2.9	3.0	13	1	+ 0.7	3.8	2.4	+0.1	0	2	0	0	0	0	0	0	0	0
JAGDALPUR	26.0	-1.4	29.4	11	12.1	+0.8	6.8	26	89.2	142.5	+138.7	101.0	14	3	+ 2.6	4.3	2.1	-0.4	0	4	0	0	0	4	0	0	0	0
DURG	27.4	..	29.6	21	13.1	..	9.2	27	0.0	0.0	..	0.0	..	0	..	4.7	3.0	..	0	0	0	0	0	0	0	0	0	0
GUJARAT REGION (INCLUDING DAMAN, DADRA AND NAGAR HAVELI)																												
DEESA	30.6	+0.8	33.1	10	13.0	+1.9	8.5	20	0.0	0.0	- 1.3	0.0	..	0	- 0.1	7.2	4.9	..	0	0	0	0	0	0	0	0	0	0
RADHANPUR	30.2	+1.2	31.8	04	13.8	+2.7	7.2	23	0.0	0.0	- 0.3	0.0	..	0	0.0	7.0	4.8	-0.9	0	0	0	0	0	0	0	0	0	0
IDAR	30.0	+1.1	32.1	11	18.1	+2.1	12.5	21	0.0	0.0	- 0.4	0.0	..	0	0.0	6.8	5.7	-0.9	0	0	0	0	0	0	0	0	0	0
AHMADABAD	30.8	+1.2	32.7	10	14.6	+2.0	10.1	21	0.0	3.4	+ 2.6	3.4	01	1	+ 0.9	8.8	5.6	+3.0	0	1	0	0	0	0	0	0	0	0
DOHAD	28.7	-0.4	31.9	20	12.4	-0.3	8.9	15	..	0.0	- 1.3	0.0	..	0	- 0.2	.	5.7	-1.1	0	0	0	0	0	0	0	0	0	0
VALLABH VIDYANAGAR	29.7	..	31.9	20	13.5	..	7.4	20	0.0	25.0	..	25.0	01	1	..	8.1	5.5	..	0	1	0	0	0	2	0	0	0	0
BARODA AERODROME	30.6	-0.4	32.6	10	14.2	+0.7	9.3	20	0.0	23.5	+ 23.5	23.5	01	1	+ 1.0	11.5	9.8	+3.7	0	1	0	0	0	0	0	0	0	0
BARODA	31.1	+0.1	33.9	19	14.3	+2.9	9.8	18	0.0	30.2	+ 30.1	30.2	01	1	+ 0.9	5.7	4.6	+1.7	0	1	0	0	0	0	0	0	0	0
BROACH	30.8	-2.2	33.0	25	13.8	-0.2	10.0	18	0.0	0.0	- 0.1	0.0	..	0	0.0	6.6	5.4	+0.4	0	0	0	0	0	0	0	0	0	0
SURAT	33.4	+0.6	36.2	19	17.2	+1.2	12.7	21	0.0	0.3	- 2.0	0.3	01	0	- 0.1	10.5	8.7	+2.7	0	1	0	0	0	0	0	0	0	0
SAURASHTRA AND KUTCH (INCLUDING DIU)																												
NALIYA	30.3	+1.9	32.4	05	11.9	+1.8	8.3	19	0.0	0.0	- 4.1	0.0	..	0	- 0.2	16.2	12.0	+2.4	0	0	0	0	0	2	0	0	0	0
BHUJ (RUDRAMATA)	29.9	+1.9	32.0	07	12.8	+1.6	9.2	24	0.0	1.8	+ 0.3	1.8	01	0	- 0.1	9.6	6.8	+0.9	0	1	0	0	0	1	0	0	0	0
KANDLA AERODROME	30.4	..	32.6	10	15.7	..	12.8	15	..	0.0	..	0.0	..	0	..	.	15.4	..	0	0	0	0	0	0	0	0	0	0
NEW KANDLA	28.0	+1.4	29.7	08	16.5	+0.7	13.5	18	0.0	0.0	0.0	0.0	..	0	0.0	9.8	10.4	-2.4	0	0	0	0	0	0	0	0	0	0
MANDVI	28.4	+1.5	32.5	10	16.5	+0.9	10.6	19	0.0	0.0	- 2.9	0.0	..	0	- 0.1	15.8	14.1	-0.2	0	0	0	0	0	0	0	0	0	0
SURENDRANAGAR	31.1	+1.2	33.2	11	15.6	+1.4	12.0	21	0.0	0.0	- 0.2	0.0	..	0	0.0	6.5	4.9	-2.7	0	0	0	0	0	0	0	0	0	0
OKHA	26.8	..	28.8	10	21.1	..	18.6	28	0.0	0.0	..	0.0	..	0	..	14.5	16.4	..	0	0	0	0	0	0	0	0	0	0
JAMNAGAR AERODROME	29.6	+1.8	31.3	04	13.0	+0.9	8.7	22	0.0	0.0	- 1.5	0.0	..	0	- 0.1	..	..	..	0	0	0	0	0	3	0	0	0	0
DWARKA	29.4	+1.9	31.5	26	17.8	+0.8	15.0	18	0.0	0.0	- 1.8	0.0	..	0	- 0.2	14.6	9.7	-2.6	0	0	0	0	0	0	0	0	0	0
RAJKOT	30.8	+1.2	33.0	10	14.7	+2.4	9.8	20	0.0	0.0	0.0	0.0	..	0	0.0	13.7	10.2	-1.1	0	0	0	0	0	1	0	0	0	0
BHAVNAGAR AERODROME	29.4	+0.8	31.3	26	13.7	-0.5	8.8	21	0.0	9.8	+ 9.4	9.8	01	1	+ 0.9	14.5	11.2	+4.2	0	1	0	0	0	0	0	0	0	0
PORBANDER AERODROME	32.4	+2.0	34.6	10	16.5	-0.3	11.6	19	0.0	0.0	- 0.8	0.0	..	0	- 0.1	15.2	11.0	..	0	0	0	0	0	1	0	0	0	0
KESHOD	31.5	+0.4	33.8	10	14.1	+0.2	9.9	20	0.0	2.9	+ 2.9	2.9	01	1	+ 1.0	15.7	13.7	+0.8	0	1	0	0	0	1	0	0	0	0
MAHUVA	31.4	..	33.7	20	13.1	..	6.8	21	0.0	0.0	- 2.8	0.0	..	0	- 0.2	4.5	3.7	..	0	0	0	0	0	0	0	0	0	0
VERAVAL	31.1	+0.7	34.3	18	16.6	+0.8	11.6	21	0.0	2.0	+ 0.5	2.0	01	0	- 0.1	13.3	10.9	-0.2	0	1	0	0	0	0	0	0	0	0
DIU	28.8	..	32.0	13	19.2	..	15.0	22	0.0	0.0	..	0.0	..	0	..	15.1	11.4	..	0	0	0	0	0	0	0	0	0	0
KONKAN (INCLUDING GOA)																												
DAHANU	31.0	+1.3	33.8	04	19.6	+1.7	15.8	28	0.0	0.0	0.0	0.0	..	0	0.0	13.8	8.9	-1.8	0	0	0	0	0	0	0	0	0	0
BOMBAY (SANTACRUZ)	33.6	+1.5	35.9	21	20.3	+2.6	16.0	29	0.0	0.2	- 0.6	0.1	01	0	- 0.1	10.5	7.7	+0.1	2	0	0	0	0	0	0	0	0	0
BOMBAY	32.7	+1.8	35.2	18	22.6	+1.8	20.0	29	0.0	0.2	- 2.1	0.2	01	0	- 0.3	8.7	8.7	+0.2	1	0	0	0	0	0	0	0	0	0
ALIBAG	32.0	+2.3	34.4	18	20.3	+1.6	16.6	28	..	1.4	- 1.7	1.4	01	0	- 0.3	.	7.0	+1.0	0	1	0	0	0	0	0	0	0	0
BHIRA	34.8	..	36.5	20	17.4	..	12.8	31	0.0	0.0	..	0.0	..	0	..	4.7	3.5	..	0	0	0	0	0	0	0	0	0	0
HARNAI	32.4	+2.9	35.0	26	..	..	..	..	0.0	0.0	- 1.3	0.0	..	0	- 0.1	12.7	11.2	-0.1	0	0	0	0	0	0	0	0	0	0
RATNAGIRI	33.1	+1.1	34.5	18	21.7	+1.7	15.5	27	0.0	0.0	- 4.3	0.0	..	0	- 0.3	13.7	9.6	..	0	0	0	0	0	0	0	0	0	0
DEVGARH	32.4	+1.1	33.8	18	22.4	+0.9	19.0	27	0.0	0.0	- 4.3	0.0	..	0	- 0.4	12.5	10.3	-1.0	0	0	0	0	0	0	0	0	0	0
VENGURLA	33.0	+0.3	34.4	29	20.1	+1.4	14.7	23	0.0	2.8	+ 2.5	1.6	09	0	- 0.1	8.8	5.4	..	0	2	0	0	0	0	0	0	0	0
PANJIM	32.9	..	34.8	22	22.2	..	19.5	30	0.1	0.1	..	0.1	08	0	..	11.5	9.2	..	1	0	0	0	0	0	0	0	0	0
MORMUGAO	32.4	+1.9	34.4	18	23.6	+2.1	21.6	26	0.0	0.2	- 3.9	0.2	08	0	- 0.3	10.1	8.6	-1.1	1	0	0	0	0	0	0	0	0	0
DABOLIM (NAVAL AIR STN.)	32.6	..	36.2	06	..	..	..	..	0.0	0.0	..	0.0	..	0	..	9.2	6.1	..	0	0	0	0	1	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - DECEMBER, 1969 AGRAHAYANA 10 - PAUSA 10, 1891 SAKA

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA																												
NANDURBAR	30.3	-0.7	32.8	20	15.8	-0.4	10.7	28	..	0.0	- 3.3	0.0	..	0	- 0.3	11.2	9.2	+3.8	0	0	0	0	0	0	0	0	0	0
JALGAON	30.2	-0.1	32.0	21	12.5	+0.5	7.2	27	0.0	0.0	- 5.6	0.0	..	0	- 0.5	11.6	9.7	+2.9	0	0	0	0	0	0	0	0	0	0
MALEGAON	29.6	-0.3	32.4	21	11.0	-0.7	6.2	27	0.0	0.0	- 4.6	0.0	..	0	- 0.4	5.7	3.9	-0.6	0	0	0	0	0	0	0	0	0	0
OZAR	28.4	..	31.0	21	11.5	..	6.5	27	0.0	0.0	..	0.0	..	0	..	10.3	6.0	..	0	0	0	0	0	0	0	0	0	0
AHMADNAGAR	30.2	+1.3	32.5	20	13.0	+0.7	7.3	27	0.0	0.0	- 8.9	0.0	..	0	- 0.5	8.4	5.0	0.0	0	0	0	0	0	0	0	0	0	0
KHANDALA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
POONA AERODROME	29.4	..	31.2	26	15.7	..	11.0	27	1.5	1.5	..	1.5	17	0	..	..	..	..	0	1	0	0	0	0	0	0	0	0
POONA	29.3	+0.1	31.0	22	13.1	+2.7	7.0	27	0.4	0.4	- 3.9	0.4	17	0	- 0.4	5.4	2.1	..	0	1	0	0	0	0	0	0	0	0
JEUR	28.4	-1.7	30.8	02	13.2	+0.3	7.5	27	..	0.0	- 5.0	0.0	..	0	- 0.2	.	6.0	+1.1	0	0	0	0	0	0	0	0	0	0
BARAMATI	30.8	+1.2	32.4	23	14.6	+1.0	8.8	27	0.0	3.4	- 0.9	3.4	16	1	+ 0.6	9.0	6.1	-0.2	0	1	0	0	0	0	0	0	0	0
SHOLAPUR	29.7	-0.3	31.5	20	15.7	+0.7	11.2	28	0.0	1.6	- 7.5	1.6	16	0	- 0.7	13.4	9.2	+0.9	0	1	0	0	0	0	0	0	0	0
MIRAJ	29.1	-0.6	31.4	02	16.1	+1.5	11.5	29	0.0	2.6	- 2.5	1.4	17	0	- 0.5	..	..	..	0	2	0	0	0	0	0	0	0	0
KOLHAPUR	29.2	-0.8	30.7	20	16.1	+1.2	11.7	27	1.0	2.9	+ 0.1	1.9	16	0	- 0.2	13.7	8.1	+0.6	0	2	0	0	0	0	0	0	0	0
NASIK	31.3	..	35.8	04	..	..	..	..	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
SANGLI	30.0	..	31.9	07	15.9	..	10.2	27	2.0	4.2	..	2.2	16	0	..	10.2	6.1	..	0	2	0	0	0	0	0	0	0	0
SATARA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MARATHWADA																												
AURANGABAD	29.1	+0.2	30.6	19	14.4	+0.6	9.2	28	0.0	0.0	- 8.9	0.0	..	0	- 0.5	6.6	5.9	-0.8	0	0	0	0	0	0	0	0	0	0
AURANGABAD(CHIKALTHAN)	28.6	-0.1	31.0	12	9.3	-1.1	2.3	27	0.0	0.0	- 8.6	0.0	..	0	- 0.5	9.3	5.7	+0.5	0	0	0	0	0	0	0	0	0	0
PARBHANI	28.8	-0.7	30.5	02	13.3	+0.6	8.6	29	0.0	0.0	- 9.4	0.0	..	0	- 0.5	7.7	4.7	0.0	0	0	0	0	0	0	0	0	0	0
NANDER	29.8	..	32.0	20	12.9	..	6.2	27	0.0	0.0	..	0.0	..	0	..	6.8	4.3	..	0	0	0	0	0	0	0	0	0	0
BIR	29.2	..	31.5	22	12.0	..	6.4	27	0.0	0.0	..	0.0	..	0	..	6.1	2.6	..	0	0	0	0	0	0	0	0	0	0
VIDARBHA																												
GONDIA	28.1	+0.2	30.5	10	11.9	-1.0	8.2	28	0.0	0.0	- 2.2	0.0	..	0	- 0.3	0.9	0.6	-1.4	0	0	0	0	0	0	0	0	0	0
NAGPUR(SONEGAON)	28.4	-0.3	31.0	21	12.5	+0.4	7.0	18	0.0	0.0	- 9.9	0.0	..	0	- 0.7	9.4	7.0	+0.3	0	0	0	0	0	0	0	0	0	0
AMRAOTI	29.3	+0.7	31.2	21	15.4	+0.3	11.0	28	0.0	0.0	- 9.1	0.0	..	0	- 0.8	8.9	8.6	+1.1	0	0	0	0	0	0	0	0	0	0
AKOLA AERODROME	30.0	..	32.4	21	12.1	..	8.4	27	0.0	0.0	..	0.0	..	0	..	11.1	9.4	..	0	0	0	0	0	0	0	0	0	0
AKOLA	29.9	+0.3	33.2	21	13.0	+0.4	7.7	28	0.0	0.0	- 11.2	0.0	..	0	- 0.9	6.4	4.2	-0.2	0	0	0	0	0	0	0	0	0	0
BRAMHAPURI	29.0	+0.7	31.0	11	11.6	-1.9	7.1	26	0.0	0.0	- 6.2	0.0	..	0	- 0.4	5.4	3.0	+0.1	0	0	0	0	0	0	0	0	0	0
BULDANA	27.6	0.0	30.2	21	15.4	+0.3	12.5	27	0.0	0.0	- 5.9	0.0	..	0	- 0.5	10.1	6.2	-0.2	0	0	0	0	0	0	0	0	0	0
YEOTMAL	28.1	-0.3	30.6	22	14.6	-0.5	10.0	27	0.0	0.0	- 3.3	0.0	..	0	- 0.3	9.1	6.8	-0.5	0	0	0	0	0	0	0	0	0	0
CHANDRAPUR	29.2	+0.8	31.4	21	12.2	0.0	6.0	26	0.0	0.0	- 3.8	0.0	..	0	- 0.5	6.2	3.5	+0.9	0	0	0	0	0	0	0	0	0	0
PUSAD	29.5	..	32.4	20	..	..	..	..	0.0	0.0	..	0.0	..	0	..	6.5	3.9	..	0	0	0	0	0	0	0	0	0	0
SIRONCHA	28.6	-1.2	31.0	08	14.9	+0.3	8.8	27	10.0	22.5	+ 22.2	19.3	13	1	+ 0.9	3.5	2.1	-0.5	0	3	0	0	0	0	0	0	0	0
WARDHA	29.3	..	31.6	21	12.5	..	11.4	28	0.0	0.0	..	0.0	..	0	..	5.8	5.1	..	0	0	0	0	0	0	0	0	0	0
BHANDARA	28.1	..	30.6	01	12.7	..	8.1	27	0.0	0.0	..	0.0	..	0	..	6.3	4.8	..	0	0	0	0	0	0	0	0	0	0
COASTAL ANDHRA PRADESH																												
KALINGAPATAM	26.7	-0.1	29.3	06	16.4	-1.2	11.3	27	2.4	2.6	- 11.9	2.0	13	0	- 0.5	13.3	8.3	-3.0	0	2	0	0	0	0	0	0	0	0
VISHAKHAPATNAM	28.0	+0.3	29.6	18	19.3	+1.0	15.1	27	0.4	1.7	- 15.6	1.3	13	0	- 0.9	17.0	9.8	+2.3	0	2	0	0	0	0	0	0	0	0
KAKINADA	27.4	+0.3	29.5	08	20.0	+0.8	16.2	31	12.8	140.6	+125.1	102.4	13	3	+ 2.2	18.5	15.7	+4.4	0	3	0	0	0	0	0	0	0	0
NIDADAVOLE	28.0	-1.5	31.1	07	19.1	+0.9	14.5	27	4.0	111.4	+107.7	83.6	13	4	+ 3.6	13.3	9.3	+2.5	0	5	0	0	0	0	0	0	0	0
RENTACHINTALA	25.8	-4.1	28.8	08	18.2	+1.4	13.9	27	21.0	66.0	+ 59.4	46.0	13	4	+ 3.5	3.2	2.8	-1.0	0	5	0	0	0	0	0	0	0	0
GANNAVARAM	28.0	-1.7	30.9	01	19.8	+0.7	15.5	27	12.8	62.5	+ 57.4	33.3	13	3	+ 2.2	14.1	11.3	+1.9	0	4	0	0	0	0	0	0	0	0
MASULIPATAM	27.3	-0.5	29.4	05	18.8	-1.0	15.6	26	10.0	226.7	+208.4	142.0	13	4	+ 3.2	6.7	5.1	-4.0	0	6	0	0	1	0	0	0	0	0
ONGOLE	27.3	-1.3	30.1	08	20.1	+0.2	17.1	25	15.8	70.4	+ 35.9	23.2	12	4	+ 2.3	..	..	..	0	5	0	0	0	0	0	0	0	0
NELLORE	27.4	-1.3	29.7	05	20.8	+0.4	18.5	28	135.8	298.4	+210.3	167.2	12	7	+ 3.8	..	..	..	0	9	0	0	0	0	0	0	0	0
VISHAKHAPATNAM(SOLAR)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
TELANGANA																												
RAMGUNDAM	29.1	-1.1	32.2	12	13.9	-1.1	8.4	28	0.2	1.8	+ 1.4	0.8	12	0	- 0.2	5.5	3.2	-0.2	1	2	0	0	0	0	0	0	0	0
NIZAMABAD	28.4	-0.5	30.9	21	14.6	+0.8	8.5	27	0.0	0.0	- 5.3	0.0	..	0	- 0.4	6.3	4.8	+1.3	0	0	0	0	0	0	0	0	0	0
HANAMKONDA	25.5	-3.5	29.8	06	15.5	-0.6	11.0	27	14.7	52.3	+ 47.5	40.8	13	2	+ 1.7	5.0	4.0	-1.1	0	3	0	0	0	0	0	0	0	0
HAKIMPET AERODROME	26.0	..	28.9	20	15.7	..	12.0	27	1.6	2.6	..	1.8	13	0	..	..	..	..	2	2	0	0	0	3	0	0	0	0
BHADRACHALLAM	27.6	-2.1	30.4	04	16.6	+0.9	10.4	27	..	32.0	+ 20.9	16.6	13	3	+ 2.4	.	2.9	-0.9	0	5	0	0	0	7	0	0	0	0
HYDERABAD(BEGAMPET)	26.8	-1.0	29.7	20	13.8	+0.4	8.2	27	3.7	6.4	- 1.0	2.5	13	1	+ 0.5	9.9	6.5	-0.9	0	5	0	0	0	1	0	0	0	0
KHAMMAM	27.7	-2.4	30.6	07	17.7	+1.0	12.4	27	19.6	57.0	+ 53.1	33.0	13	4	+ 3.6	3.5	2.5	-1.5	0	5	0	0	0	6	0	0	0	0
MAHBUBNAGAR	26.6	-1.8	28.8	01	16.5	-0.1	11.1	27	0.0	2.0	- 0.1	2.0	17	0	- 0.6	13.3	10.0	+0.6	0	1	0	0	0	0	0	0	0	0
RAYALASEEMA																												
KURNOOL	29.4	-0.9	31.8	05	17.6	+1.0	11.8	26	0.0	0.8	- 5.0	0.8	13	0	- 0.4	6.0	4.2	-0.7	0	1	0	0	0	0	0	0	0	0
NANDYL	28.5	..	31.2	01	19.5	..	13.6	30	9.4	16.6	..	16.4	13	1	..	9.0	6.0	..	1	1	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER - DECEMBER.1969AGRAHAYANA 10 - PAUSA 10.1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
RAYALSEEMA (CONTD)																												
ANANTAPUR	27.9	-1.2	30.5	06	18.9	+1.7	14.8	26	0.6	14.5	+ 7.9	5.4	13	3	+ 2.5	12.8	10.7	+1.8	1	4	0	0	0	0	0	0	0	0
CUDDAPAH	27.8	-1.7	31.0	01	20.3	+1.2	17.1	28	7.6	34.6	+ 16.8	8.0	17	5	+ 3.5	5.5	4.2	-0.1	0	6	0	0	0	0	0	0	0	0
AROGYAVARAM	23.9	-1.6	26.6	06	15.5	0.0	12.6	26	21.7	64.9	+ 24.6	14.6	17	7	+ 4.1	7.8	5.5	+0.5	0	8	0	0	0	0	0	0	0	0
TAMIL NADU(INCLUDING PONDICHERRY)																												
MADRAS	27.1	-1.1	28.5	02	21.4	0.0	19.7	29	101.2	205.2	+105.9	91.0	12	7	+ 2.1	10.4	8.3	+1.4	2	11	0	0	0	1	0	0	0	0
MADRAS(MINAMBAKKAM)	27.4	-0.8	29.1	03	21.9	+0.9	20.1	25	69.6	149.0	+ 9.8	65.9	12	8	+ 2.6	12.5	9.0	-3.6	0	13	0	0	3	1	0	0	0	0
VELLORE	27.5	-0.6	30.8	14	20.2	+1.5	17.3	26	..	39.8	- 29.5	12.2	17	4	+ 0.1	.	6.5	+0.4	0	10	0	0	0	0	0	0	0	0
TAMBARAM AERODROME	28.6	..	31.1	19	22.0	..	20.0	22	56.1	143.5	..	52.7	12	8	..	..	..	..	0	13	0	0	2	1	0	0	0	0
TIRUPPATTUR	29.3	+0.9	30.3	19	18.8	+1.2	16.1	29	3.0	49.6	+ 37.0	14.3	11	6	+ 4.7	3.2	3.4	-0.2	0	6	0	0	0	0	0	0	0	0
METTUR DAM R.S.	28.8	..	31.4	07	21.1	..	17.6	23	25.0	60.2	..	22.1	14	6	..	6.1	5.8	..	0	6	0	0	0	0	0	0	0	0
CUDDALORE	27.5	-0.4	30.0	13	22.3	+0.8	20.3	26	77.8	157.0	- 21.6	50.7	31	9	+ 2.8	14.9	11.2	+0.1	1	15	0	0	2	0	0	0	0	0
KALLAKKURICHCHI	27.6	-0.9	30.6	14	..	..	..	..	7.6	133.4	+ 46.7	60.8	14	9	+ 4.9	8.8	6.4	..	0	9	0	0	0	0	0	0	0	0
SALEM	29.3	-0.8	32.3	14	21.1	+1.5	17.7	23	12.3	106.9	+ 80.7	67.4	14	5	+ 2.9	8.6	8.7	+0.3	0	9	0	0	2	0	0	0	0	0
COIMBATORE(PILAMEDU)	28.1	-0.9	31.0	14	19.8	+1.1	16.0	23	18.4	119.5	+100.0	93.1	15	5	+ 3.2	15.3	10.7	+0.6	0	6	0	0	1	0	0	0	0	0
COIMBATORE	29.1	+0.2	32.1	14	20.5	+0.9	17.3	23	..	114.0	+ 75.9	61.0	15	5	+ 2.3	.	4.2	-1.9	0	5	0	0	4	0	0	0	0	0
NAGAPATTINAM	27.6	-0.1	31.6	14	23.0	+0.2	21.5	25	260.0	843.1	+601.0	132.8	28	17	+ 8.6	16.3	15.6	-2.2	0	26	0	0	1	0	0	0	0	0
TIRUCHCHIRAPPALLI	28.6	-0.7	32.1	13	22.0	+0.7	19.3	22	19.6	83.7	+ 17.7	21.2	14	6	+ 1.9	9.6	6.9	-4.2	0	11	0	0	4	0	0	0	0	0
VEDARANNIYAM	28.1	..	31.8	14	21.2	..	19.5	26	317.8	1143.8	..	270.0	28	19	..	11.[illegible]	9.2	..	0	19	0	0	12	0	0	0	0	0
ATIRAMPATTINAM	27.9	..	31.8	14	22.5	..	20.6	25	100.6	436.0	..	102.0	14	18	..	11.6	9.4	..	0	19	0	0	0	0	0	0	0	0
MADURAI	30.2	+0.5	33.0	13	19.8	-1.8	17.7	22	..	70.0	+ 19.7	17.0	14	8	+ 4.5	.	6.7	-0.2	0	10	0	0	2	0	0	0	0	0
MADURAI AERODROME	29.1	-0.5	32.4	13	21.4	+0.1	18.8	23	68.1	155.1	+116.1	76.6	15	7	+ 4.0	13.4	9.8	-1.3	0	10	0	0	2	0	0	0	0	0
TONDI	28.6	-0.9	32.0	12	21.6	-0.8	19.5	30	62.6	192.4	+133.4	47.0	15	8	+ 4.2	14.4	12.3	-1.0	0	8	0	0	0	0	0	0	0	0
PAMBAN	27.9	-0.1	31.6	14	23.7	-0.3	21.4	27	89.8	345.5	+161.1	86.2	31	12	+ 3.2	24.9	23.9	+4.9	0	14	0	0	0	0	0	0	0	0
TUTICORIN	29.0	+1.2	31.9	12	21.3	-1.3	18.7	30	54.9	183.3	+ 82.4	38.4	18	9	+ 5.0	18.8	16.0	-4.0	2	13	0	0	1	0	0	0	0	0
PALAYANKOTTAI	30.2	0.0	35.1	12	23.2	+0.6	20.8	29	40.8	92.2	- 20.3	31.2	31	6	+ 0.8	11.2	8.5	-0.4	1	9	0	0	0	0	0	0	0	0
KANNIYAKUMARI	29.4	..	31.9	08	23.6	..	20.7	29	33.9	114.3	..	31.5	15	7	..	22.0	19.4	..	0	9	0	0	[illegible]	0	0	[illegible]	0	0
PONDICHERRY	27.7	..	29.5	06	22.2	..	20.4	26	56.6	126.2	..	48.0	31	6	..	24.8	20.3	..	0	11	0	0	[illegible]	0	0	[illegible]	0	0
PORTNOVO	27.0	..	28.9	13	20.3	..	18.6	25	..	378.6	..	110.6	10	14	..	.	7.2	..	0	15	0	0	0	0	0	[illegible]	0	0
TUTICORIN H.P.	28.3	..	30.4	13	23.2	..	20.1	30	111.5	349.6	..	114.5	18	10	..	20.3	20.2	..	0	13	0	0	2	0	0	0	0	0
COASTAL MYSORE																												
KARWAR	32.6	+0.5	34.2	19	21.4	+2.0	16.5	29	0.0	0.0	- 5.8	0.0	..	0	- 0.4	5.5	2.9	..	0	0	0	0	0	0	0	0	0	0
HONAVAR	33.0	+0.3	34.8	31	23.1	+2.2	21.5	10	0.0	0.0	- 4.3	0.0	..	0	- 0.3	..	..	..	0	0	0	0	0	0	0	0	0	0
MANGALORE(BAJPE)	32.5	+0.2	34.5	30	22.3	+1.2	19.8	23	0.0	7.2	- 12.4	4.2	18	1	+ 0.1	8.0	5.4	-1.6	2	3	0	0	5	1	0	0	0	0
MANGALORE	32.4	+0.7	33.8	30	21.4	-0.5	18.6	23	0.0	3.1	- 12.6	3.1	16	1	+ 0.1	8.1	6.5	-1.6	0	1	0	0	0	0	0	0	0	0
MANGALORE H.P.	32.6	..	33.8	30	22.9	..	19.9	23	0.0	3.3	..	1.8	14	0	..	9.7	6.5	..	2	2	0	0	6	1	0	0	0	0
INTERIOR MYSORE NORTH																												
BIDAR	25.0	-2.1	27.8	21	16.3	+0.1	13.3	30	0.0	0.0	- 5.8	0.0	..	0	- 0.4	12.0	10.6	+1.2	0	0	0	0	0	2	0	0	0	0
GULBARGA	28.8	-0.7	30.8	20	15.5	+0.4	10.2	25	0.0	0.0	- 4.1	0.0	..	0	- 0.3	10.6	8.6	-1.2	0	0	0	0	0	0	0	0	0	0
BIJAPUR	28.8	-0.2	31.0	21	16.5	+1.3	11.0	26	1.6	3.8	- 2.8	2.8	16	1	+ 0.4	7.1	4.7	+0.6	0	3	0	0	0	0	0	0	0	0
RAICHUR	28.1	-1.0	30.0	01	18.7	+0.7	14.5	26	0.8	2.8	- 0.5	2.0	16	0	- 0.3	11.5	10.3	+0.9	0	2	0	0	0	0	0	0	0	0
BELGAUM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BELGAUM(SAMRA)	27.5	-0.7	29.3	21	17.0	+1.5	12.4	27	1.4	1.7	- 2.8	1.4	08	0	- 0.4	11.3	6.4	-5.3	2	1	0	0	1	0	0	0	0	0
GADAG	28.3	-0.8	30.6	07	17.0	+0.5	13.1	28	0.0	0.6	- 8.8	0.6	16	0	- 0.6	9.1	7.1	-0.5	0	1	0	0	0	0	0	0	0	0
BIDAR A.F.	26.8	..	30.2	21	13.8	..	10.5	27	0.0	0.5	..	0.5	16	0	..	..	..	..	0	1	0	0	0	0	0	0	0	0
INTERIOR MYSORE, SOUTH																												
BELLARY	28.6	-0.7	31.2	06	18.1	+0.7	14.0	26	4.8	5.8	+ 0.7	4.0	12	1	+ 0.6	7.4	4.4	0.0	0	3	0	0	0	0	0	0	0	0
CHITRADURGA	26.4	-1.6	29.1	21	17.5	+0.8	14.3	30	1.9	4.4	- 10.6	1.8	18	0	- 0.8	9.9	7.6	0.0	1	4	0	0	0	0	0	0	0	0
SHIMOGA	28.2	-0.7	30.5	21	17.6	+3.2	13.2	23	2.2	7.6	+ 1.0	5.4	07	1	+ 0.5	7.9	4.7	+0.2	0	2	0	0	0	0	0	0	0	0
AGUMBE	27.6	..	28.9	20	16.9	..	11.2	25	5.1	7.7	..	5.1	05	2	..	9.0	6.7	.	0	2	0	0	1	0	0	0	0	0
BALEHONNUR	27.6	+1.4	29.2	21	14.7	-0.2	11.7	07	..	19.4	+ 7.7	12.0	08	3	+ 2.2	..	..	..	0	3	0	0	0	0	0	0	0	0
HASSAN	..	..	..	..	..	..	..	..	3.6	21.4	+ 4.1	10.0	17	3	+ 1.8	11.1	7.6	1.8	0	4	0	0	0	0	3	0	0	0
BANGALORE	24.9	-0.8	27.5	06	16.4	+1.1	13.5	26	43.4	119.2	+106.0	68.0	15	6	+ 4.8	10.5	9.1	-0.5	2	6	0	0	0	0	0	0	0	0
BANGALORE AERODROME	25.0	-1.9	27.4	06	15.7	+0.3	12.0	25	22.8	49.1	+ 35.5	22.6	18	3	+ 1.8	11.8	9.5	..	0	7	0	0	0	3	0	0	0	0
MYSORE	25.6	-1.4	27.0	01	18.1	+1.6	15.1	23	3.9	21.1	+ 9.2	8.6	15	3	+ 2.1	15.1	12.2	+0.9	0	5	0	0	0	0	0	0	0	0
YALANKA A.F.	25.1	..	27.7	06	15.9	..	12.0	26	15.0	63.0	..	21.5	15	5	..	..	..	..	0	7	0	0	0	2	0	0	0	0
KERALA																												
CALICUT	32.0	+0.4	32.7	11	23.3	+1.1	21.0	26	12.9	50.4	+ 19.9	28.9	14	4	+ 2.4	6.4	4.8	-3.5	0	5	0	0	2	0	0	0	0	0
PALGHAT	31.6	-0.5	34.2	08	23.0	+0.8	20.6	23	5.6	23.8	- 1.3	18.2	14	2	+ 0.7	12.6	10.2	-0.7	0	2	0	0	0	0	0	0	0	0
FORT COCHIN	31.0	+0.7	32.0	22	23.1	-0.4	21.3	01	43.4	181.3	+133.3	70.6	01	6	+ 3.4	6.2	4.8	-2.3	0	7	0	0	7	0	0	0	0	0
COCHIN(NAVAL AIR STATION)	31.7	..	33.2	17	23.4	..	20.4	23	57.6	112.2	..	27.4	09	6	..	9.7	7.5	..	1	7	0	0	10	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – DECEMBER 1969 (GRAHAYANA 18 – PAUSA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C: Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Rainfall in millimetres: Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	No of rainy days (2.5 mm. or more): Total in the month	Departure from normal	Wind speed km. per hour: Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Weather phenomena - No. of days with: Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
KERALA (CONTD)																												
ALLEPPEY	31.8	+0.4	33.6	02	23.6	+0.8	21.7	26	128.2	195.4	+147.3	56.0	15	6	+ 2.5	11.2	8.2	-0.3	0	8	0	0	6	0	0	0	0	0
PUNALUR	33.6	+1.1	35.3	08	19.6	-1.3	16.2	23	1.8	4.6	- 19.6	2.8	14	1	- 2.0	2.5	2.0	-2.4	0	2	0	0	0	0	0	0	0	0
TRIVANDRUM	30.6	-0.3	33.2	20	22.9	+0.4	20.6	26	45.2	110.7	+ 36.0	38.2	14	6	+ 1.9	6.5	5.0	+0.2	0	10	0	0	9	0	0	0	0	0
TRIVANDRUM AERODROME	30.7	+0.2	31.6	20	23.2	+0.9	21.1	26	..	92.3	+ 39.1	40.0	14	6	+ 2.9	.	5.1	-0.5	1	10	0	0	8	0	0	0	0	0
ARABIAN SEA ISLANDS																												
AMINI	30.5	-1.0	31.4	04	24.0	+0.1	22.3	27	149.7	166.4	+125.5	50.0	08	7	+ 4.8	7.1	4.9	0.0	0	10	0	0	2	0	0	0	0	0
AGATTI	30.4	..	31.8	18	24.6	..	22.9	09	92.1	123.2	..	48.7	08	7	..	..	..	..	0	8	0	0	7	0	0	0	0	0
ANDROTH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
MINICOY	30.9	+1.2	32.6	18	23.3	0.0	21.0	24	42.5	237.9	+152.0	75.0	02	13	+ 8.3	8.2	6.7	+0.5	0	15	0	0	6	0	0	0	0	0
HILL STATIONS (EXCLUDING KASHMIR)																												
DALHOUSIE	15.7	+0.6	19.8	18	5.5	+0.4	2.2	11	0.5	4.9	- 87.6	4.9	11	1	- 3.2	0.6	0.5	-2.4	0	1	0	0	0	0	0	0	0	0
DHARMASALA	18.6	+1.6	22.9	19	7.2	-1.2	5.3	24	0.0	1.0	- 52.8	1.0	11	0	- 2.5	3.9	2.5	-1.3	0	1	0	0	1	0	0	0	0	0
BHUNTAR	18.7	..	21.0	04	0.3	..	- 2.0	25	0.0	0.3	..	0.3	11	0	..	4.6	3.7	..	0	1	0	0	0	0	0	0	0	0
SIMLA	13.4	+2.1	18.3	04	4.6	+0.4	1.9	23	0.3	0.3	- 27.4	0.3	11	0	- 2.4	2.5	2.5	-1.0	0	1	0	0	0	0	0	0	0	0
DHARMPUR	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
GHANGARIA (KANJALIA TOK)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
BADRINATH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
JOSHIMATH	14.6	+0.9	17.0	08	4.7	+0.8	1.6	25	0.0	0.0	- 40.8	0.0	..	0	- 1.7	3.9	5.0	-1.3	0	0	0	0	0	0	0	0	0	0
MUSSOORIE	14.0	+1.3	20.1	08	5.5	+1.2	2.7	24	0.0	0.0	- 41.8	0.0	..	0	- 2.2	8.1	5.8	-1.0	0	0	0	0	0	0	0	0	0	0
MUKTESWAR (KUMAUN)	14.8	+2.3	17.7	08	4.2	+0.4	0.3	24	0.0	0.0	- 24.6	0.0	..	0	- 1.7	8.1	9.2	-1.3	0	0	0	0	0	0	0	0	0	0
NAINITAL	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
KALIMPONG	15.3	-2.0	18.9	08	7.8	-1.0	2.0	26	0.0	0.0	- 6.6	0.0	..	0	- 0.6	6.2	4.9	-3.8	0	0	0	0	0	0	0	0	0	0
DARJEELING	14.6	+2.7	19.0	10	2.7	-1.7	0.4	24	0.0	0.0	- 6.3	0.0	..	0	- 0.7	1.9	1.5	0.0	0	0	0	0	0	1	0	0	0	0
KOHIMA	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SHILLONG (C.S.O.)	15.9	-1.5	18.1	28	7.5	+4.7	4.4	07	1.4	8.0	+ 1.9	6.2	04	1	+ 0.3	4.0	3.0	+0.7	1	2	0	0	0	7	0	0	0	0
CHERRAPUNJI	18.3	+1.3	24.0	15	8.6	-0.2	5.2	25	0.0	2.0	- 7.9	2.0	14	0	- 0.5	..	..	..	0	1	0	0	0	0	0	0	0	0
ABU	23.4	+2.2	26.9	18	10.2	-1.0	7.6	14	0.0	0.0	- 2.7	0.0	..	0	- 0.2	0.1	0.0	-3.7	0	0	0	0	0	0	0	0	0	0
AIJAL	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
PACHMARHI	22.2	-0.6	25.0	10	6.7	-0.8	2.9	15	0.0	0.0	- 8.6	0.0	..	0	- 0.8	2.2	1.3	-1.4	0	0	0	0	0	0	0	0	0	0
MAHABALESHWAR	23.9	+0.4	26.8	20	13.9	0.0	10.6	24	0.0	0.0	- 5.3	0.0	..	0	- 0.5	11.6	11.5	+1.8	0	0	0	0	0	0	0	0	0	0
MERCARA	23.3	-0.2	25.6	07	..	..	..	..	10.5	37.6	+ 15.5	27.6	14	3	+ 1.6	13.2	12.8	+1.4	0	6	0	0	0	5	0	0	0	0
OOTACAMUND	20.6	+0.9	22.4	20	8.9	+2.6	5.0	26	14.6	49.2	+ 0.7	15.8	15	4	+ 0.3	3.4	1.8	-1.4	0	7	0	0	0	0	0	0	0	0
COONOOR	19.4	+0.6	21.7	13	8.8	-0.6	4.8	23	..	215.5	+ 68.9	78.8	17	8	+ 1.6	..	..	..	0	14	0	0	0	0	0	0	0	0
KODAIKANAL	16.1	-0.3	19.0	10	9.6	+1.0	7.3	22	101.8	174.5	+ 44.7	43.8	18	12	+ 5.1	12.5	13.1	+0.4	3	15	0	0	3	20	0	0	0	0
MANALI	16.2	..	21.5	04	0.7	..	- 3.5	22	0.0	2.1	..	2.1	11	0	..	1.1	0.9	..	0	1	0	0	0	0	0	0	0	0
NEPAL																												
KATMANDU	21.0	+1.9	23.3	13	3.8	+0.8	0.2	31	0.0	0.0	- 3.1	0.0	..	0	- 0.3	1.9	1.0	-0.2	0	0	0	0	0	20	0	0	0	0
SIKKIM																												
LACHEN	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
HYDROMETEOROLOGICAL OBSERVATORIES																												
DAMODAR CATCHMENT																												
TILAIYA	23.1	..	27.0	11	8.4	..	4.2	26	0.0	0.0	..	0.0	..	0	..	2.5	1.5	..	0	0	0	0	0	0	0	0	0	0
HAZARIBAGH	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
KONAR	24.3	..	28.1	10	6.1	..	2.7	09	0.0	0.0	..	0.0	..	0	..	4.0	5.1	..	0	0	0	0	0	0	0	0	0	0
BOKARO	26.3	..	28.8	12	10.1	..	5.8	19	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
MAITHON	26.3	..	28.4	03	8.7	..	5.2	28	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
RANGARH	25.4	..	27.6	12	5.9	..	2.7	31	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
PANCHET HILLS	25.3	..	27.3	02	11.9	..	8.4	27	0.0	0.0	..	0.0	..	0	..	1.7	0.9	..	0	0	0	0	0	0	0	0	0	0
DURGAPUR	25.8	..	28.6	03	11.4	..	8.8	24	0.0	0.0	..	0.0	..	0	..	9.9	9.6	..	0	0	0	0	0	0	0	0	0	0
MAHANADI CATCHMENT																												
GINABAHAR	26.5	..	28.3	10	7.7	..	2.8	28	..	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
HIRAKUD	26.2	..	29.1	01	13.3	..	8.4	28	0.0	3.4	..	2.6	14	1	..	4.0	2.3	..	0	2	0	0	0	0	0	0	0	0
BHINKUND	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	.
SONEPUR	28.0	..	31.3	29	13.4	..	8.1	26	..	6.3	..	4.8	14	1	..	..	..	..	0	2	0	0	0	0	0	0	0	0
KHIJRAWAN	28.9	..	36.6	22	11.2	..	5.6	27	1.5	3.9	..	2.1	13	0	..	6.5	4.3	..	1	2	0	0	0	0	0	0	0	0
NARMADA CATCHMENT																												
BAGRA TAWA	26.5	..	29.2	22	7.5	..	3.3	26	0.0	0.0	..	0.0	..	0	..	6.5	4.0	..	0	0	0	0	0	0	0	0	0	0
PUNASA	28.8	..	32.3	22	..	..	..	..	0.0	0.0	..	0.0	..	0	..	7.9	6.6	..	0	0	0	0	0	0	0	0	0	0
THIKRI	30.0	..	33.2	29	10.3	..	5.9	19	..	6.0	..	6.0	01	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0

TABLE II - SUMMARY OF OBSERVATIONS OF TEMPERATURE, RAINFALL AND WEATHER – DECEMBER,1969AGRAHAYANA 10 - PAUSA 10,1891 SAKA)

SUB-DIVISION AND STATION	Air temperature in °C								Rainfall in millimetres					No of rainy days (2.5 mm. or more)		Wind speed km. per hour			Weather phenomena- No. of days with									
	Mean maximum	Departure from normal	Highest	Date	Mean minimum	Departure from normal	Lowest	Date	Total fall during 0830 to 1730 hours	Total fall in 24 hours	Departure from normal	Heaviest fall in 24 hours	Date	Total in the month	Departure from normal	Mean between 0830 to 1730 hours	Mean 24 hours	Departure from normal	Precipitation 0.1 & 0.2 mm.	Precipitation 0.3 mm. or more	Snow or sleet	Hail	Thunder heard	Fog	Dust-storm	Gale	Squall	Line Squall
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 a	20 b	21	22	23	24	25	26	27	28
SABARMATI CATCHMENT																												
DAROI	29.9	..	31.8	09	13.0	..	10.0	18	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
JHADOL	27.9	..	30.4	19	8.1	..	2.5	09	..	0.3	..	0.3	01	0	..	..	..	..	0	1	0	0	0	0	0	0	0	0
GANDAK CATCHMENT																												
JANOSOM	13.6	..	16.9	17	2.3	..	5.2	21	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
KHUDI BAZAR	20.2	..	22.9	13	8.7	..	5.9	27	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
TIMURE	16.5	..	20.5	13	4.5	..	1.2	25	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
POKHARA	20.5	..	23.0	13	9.1	..	6.6	27	0.0	0.0	..	0.0	..	0	..	5.1	4.4	..	0	0	0	0	0	0	0	0	0	0
GORKHA	19.6	..	21.5	12	8.1	..	6.3	25	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
NUWAKOT	21.3	..	23.9	06	10.5	..	8.0	30	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
GHAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																												
DAILEKH	15.9	..	17.1	30	5.7	..	4.8	25	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
GHAGHARA CATCHMENT																												
SALLYANA	16.7	..	17.3	16	7.4	..	5.5	24	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
BUTWAL	25.0	..	26.9	12	14.2	..	11.9	29	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
BAGHMATI CATCHMENT																												
KATHMANDU	SEE UNDER NEPAL				..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
KOSI CATCHMENT																												
WALUNGCHUNG GOLA	7.3	..	11.1	27	1.7	..	- 5.7	25	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
TAPLETHOK	19.5	..	23.1	10	8.2	..	4.3	26	0.0	3.8	..	3.8	28	1	..	..	..	..	0	1	0	0	0	0	0	0	0	0
BHOJPUR	15.9	..	17.7	10	8.3	..	6.2	30	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
TAPLEJUNG	15.7	..	17.7	10	5.9	..	2.7	26	0.0	0.4	..	0.4	08	0	..	3.9	2.7	..	0	1	0	0	0	2	0	0	0	0
OKHALDHUNGA	16.9	..	20.3	10	6.1	..	4.1	25	0.0	0.0	..	0.0	..	0	..	1.6	1.5	..	0	0	0	0	0	4	0	0	0	0
CHAINPUR	19.5	..	21.6	12	10.1	..	8.6	25	0.0	0.0	..	0.0	..	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0
BARAHAKSHETRA	24.7	..	26.2	11	12.6	..	10.2	30	0.0	0.0	..	0.0	..	0	..	5.0	3.7	..	0	0	0	0	0	0	0	0	0	0
TISTA CATCHMENT																												
GANGTOK	15.1	..	18.3	10	5.7	..	2.7	26	0.0	9.4	..	2.0	07	0	..	3.9	3.5	..	0	6	0	0	0	5	0	0	0	0
GEZING	17.9	..	20.1	10	7.4	..	4.7	29	0.0	2.1	..	1.2	06	0	..	..	..	..	0	2	0	0	0	0	0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — DECEMBER,1969(AGRAHAYANA 10 - PAUSA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs.: At station level	Mean pressure in mbs.: Departure from normal	Mean temperature in °C: Dry Bulb	Mean temperature in °C: Wet Bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 62 or more	20 to 61	1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BAY ISLANDS																											
MAYA BANDAR	0830	28	1014.1	1010.9	-0.3	27.3	23.6	21.8	25.9	72	- 3	3.3	-0.6	12.1	0	5	20	01	16	8	0	0	0	0	0	6	0
	1730	28	1011.6	1008.4	-0.3	26.7	23.2	21.5	25.7	73	- 3	3.4	-0.5	12.5	0	3	28	00	25	5	1	0	0	0	0	0	0
LONG ISLAND	0830	25	1014.0	1011.1	+0.0	28.5	23.6	21.2	25.3	65	-12	3.8	-0.3	5.6	0	0	31	00	30	1	0	0	0	0	0	0	0
	1730	25	1011.8	1008.9	+0.2	26.6	23.0	21.1	25.1	72	- 8	3.7	-0.4	2.6	0	0	20	00	19	1	0	0	0	0	0	11	0
PORT BLAIR	0530	79	1011.8	1002.8	..	25.1	22.6	21.3	25.4	80	..	3.3	..	10.8	0	2	29	00	23	8	0	0	0	0	0	0	0
	0830	79	1013.6	1004.7	+0.4	29.2	24.3	22.0	26.5	65	- 7	3.3	-1.5	11.9	0	0	31	00	24	7	0	0	0	0	0	0	0
	1130	79	1012.0	1003.2	..	29.9	24.9	22.5	27.3	64	..	3.6	..	13.0	0	1	29	01	21	7	1	0	0	0	0	0	0
	1430	79	1010.2	1001.4	..	29.2	24.4	22.2	26.8	66	..	4.0	..	11.4	0	1	28	00	24	5	0	0	0	0	0	0	0
	1730	79	1011.4	1002.5	+0.8	26.1	22.9	21.3	25.5	75	- 5	3.7	-1.6	9.7	0	0	30	00	23	7	0	0	0	0	0	1	0
	2030	79	1013.3	1004.3	..	25.5	22.8	21.4	25.6	78	..	2.5	..	10.5	0	1	30	01	24	6	0	0	0	0	0	0	0
	2330	79	1012.8	1003.9	..	25.3	22.7	21.3	25.4	79	..	3.4	..	11.0	0	1	28	00	22	7	0	0	0	0	0	2	0
CAR NICOBAR	0830	10	1012.7	1011.5	+0.0	28.4	25.6	24.3	30.5	79	+ 4	5.2	+0.8	5.4	0	0	31	00	30	0	1	0	0	0	0	0	0
	1730	10	1010.2	1009.1	-0.1	27.0	25.0	24.0	29.9	84	+ 2	5.6	+1.1	3.9	0	0	27	00	26	0	1	0	0	0	0	4	0
MAN COWRY	0830	26	1012.8	1009.9	+0.2	27.7	25.2	24.2	30.1	81	+ 2	4.9	-0.1	2.8	0	0	25	01	17	7	0	0	0	0	0	6	0
	1730	26	1010.0	1007.1	-0.1	26.8	24.7	23.7	29.3	83	- 1	5.2	+0.6	0.8	0	0	8	00	4	3	1	0	0	0	0	23	0
KONDUL	0830	8	1013.2	1012.3	+0.8	27.2	25.7	25.1	31.9	89	+ 8	5.7	+0.5	7.9	0	1	27	01	25	2	0	0	0	0	0	3	0
	1730	8	1011.1	1010.2	+1.1	27.1	25.6	25.0	31.6	88	+ 5	5.0	-0.2	7.2	0	2	22	00	24	0	0	0	0	0	0	7	0
HUT BAY/LITTLE ANDAMAN	0830		1014.3	1013.5	..	28.5	24.4	22.3	27.0	69	..	5.3	..	12.4	0	4	27	00	29	1	1	0	0	0	0	0	0
	1730		1011.3	1010.3	..	26.9	23.8	22.2	26.8	76	..	5.3	..	26.8	1	4	26	01	23	2	0	2	1	0	2	0	0
NORTH ASSAM(INCLUDING NEFA)																											
PASIGHAT	0830	157	1019.1	1000.7	+0.9	17.7	14.2	11.3	13.6	66	- 2	2.8	+0.0	17.7	0	17	14	05	1	1	0	0	1	0	23	0	0
	1730	157	1015.3	997.0	+0.7	17.4	15.0	13.0	15.2	76	- 6	2.5	+0.1	3.7	0	0	25	04	1	0	0	0	2	0	18	6	0
DIBRUGARH(MOHANBARI)	0230	111	1016.7	1003.4	..	11.8	11.3	10.9	13.1	94	..	2.3	..	0.1	0	0	1	00	1	0	0	0	0	0	0	30	0
	0530	111	1017.1	1003.7	..	10.3	10.1	9.9	12.4	97	..	2.6	..	0.2	0	0	1	00	1	0	0	0	0	0	0	30	0
	0830	111	1019.2	1006.1	+0.6	16.3	14.7	13.3	15.7	83	+ 2	3.5	+0.8	5.9	0	0	27	01	13	12	0	0	1	0	0	4	0
	1130	111	1016.4	1003.6	..	22.0	16.5	12.3	14.7	55	..	2.9	..	6.9	0	0	29	07	15	5	1	0	0	1	0	2	0
	1430	111	1014.0	1001.2	..	23.6	16.8	11.3	13.7	47	..	3.4	..	5.3	0	0	28	03	13	7	0	1	1	0	3	3	0
	1730	111	1015.0	1002.0	+0.3	17.9	15.6	13.7	15.9	76	- 7	3.2	+0.8	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	2030	111	1017.0	1003.7	..	13.6	12.7	12.0	14.1	90	..	2.3	..	0.3	0	0	2	01	1	0	0	0	0	0	0	29	0
	2330	111	1017.2	1003.9	..	12.3	11.8	11.1	13.4	92	..	2.9	..	0.2	0	0	1	00	1	0	0	0	0	0	0	29	0
DIGBOI	0830		(R)																								
	0830	102	1018.7	1006.8	-8.6	17.4	15.4	14.0	16.1	81	-49	3.0	-0.1	3.9	0	0	29	00	20	0	0	0	1	1	0	2	7
NORTH LAKHIMPUR	1430	102	1014.2	1002.5	..	23.8	17.5	12.7	14.9	51	..	4.0	..	4.6	0	0	31	01	3	4	2	3	6	0	0	0	12
	1730	102	1014.9	1003.0	-8.0	18.2	16.1	14.5	16.7	79	+79	4.3	+4.3	3.5	0	0	23	04	4	1	0	1	1	1	9	8	2
	2030	102	1016.5	1004.5	..	14.7	14.0	13.4	15.5	92	..	3.8	..	1.7	0	0	13	07	3	0	0	0	0	0	3	18	0
	0830	97	1018.9	1007.5	+0.7	16.7	15.9	15.2	17.4	91	+ 0	5.8	-0.2	0.0	0	0	0	00	0	0	0	0	0	0	0	27	0
	1730	97	1014.7	1003.4	+0.6	20.2	18.0	16.6	19.0	80	+ 0	6.2	+3.6	0.0	0	0	0	00	0	0	0	0	0	0	0	27	0
SIBSAGAR	0830	83	1019.0	1009.3	..	18.0	16.0	14.6	16.7	81	- 6	3.4	..	0.6	0	0	10	00	0	10	0	0	0	0	0	21	0
	1730	83	1014.5	1004.8	..	17.7	16.3	15.2	17.4	86	+ 5	2.6	..	0.1	0	0	1	00	1	0	0	0	0	0	0	30	0
GOHPUR	0830	120	1018.3	1004.2	+0.3	18.0	16.7	15.7	18.1	86	..	1.7	-0.3	0.3	0	0	3	00	3	0	0	0	0	0	0	28	0
	1730	120	1014.2	1000.3	+0.1	21.4	20.4	19.8	23.2	91	..	1.7	-0.6	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
MAJBAT	0530	90	1016.8	1006.1	..	11.7	11.7	11.6	13.8	99	..	4.4	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	0830	90	1018.5	1008.0	..	16.4	15.4	14.6	16.8	90	..	4.1	..	1.4	0	0	5	00	4	0	1	0	0	0	0	26	0
JORHAT AERODROME	1130	90	1016.0	1006.0	..	22.5	18.4	15.6	17.9	66	..	2.5	..	7.4	0	0	26	04	17	4	0	0	0	0	0	5	1
	1730	90	1014.3	1003.8	..	18.6	16.7	15.2	17.5	81	..	2.4	..	1.6	0	1	4	01	4	0	0	0	0	0	0	26	0
	2330	90	1016.7	1006.1	..	16.4	15.0	14.6	16.6	95	..	1.0	..	0.2	0	0	1	00	1	0	0	0	0	0	0	30	0
	0830	78	1015.9	1008.3	+0.1	18.1	16.2	14.8	16.9	81	+ 5	1.6	+0.3	1.0	0	0	10	00	0	4	0	1	1	4	0	21	0
	1730	78	1011.3	1003.8	-0.6	21.9	18.6	16.4	18.8	71	- 6	1.6	+0.5	0.1	0	0	1	00	0	1	0	0	0	0	0	30	0
TANGLA	0830	79	1018.9	1009.6	+0.4	16.6	15.0	13.7	15.8	83	- 1	1.9	+0.2	2.7	0	0	23	00	21	2	0	0	0	0	0	8	0
	1730	79	1014.5	1005.3	+0.3	20.8	18.6	17.2	19.6	80	+ 2	0.8	-0.4	0.6	0	0	9	00	9	0	0	0	0	0	0	21	0
TEZPUR	0830	95	1019.3	1007.9	+1.3	15.6	14.6	13.7	15.8	89	+ 8	2.0	-1.1	0.1	0	0	2	02	0	0	0	0	0	0	0	29	0
	1730	95	1012.6	1002.3	-0.3	24.0	18.4	14.4	16.6	56	-12	1.8	-1.3	0.0	0	0	0	00	0	0	0	0	0	0	0	27	0
GOLAGHAT	0830	60	1020.1	1013.1	..	18.9	17.1	15.9	18.1	82	+ 1	1.7	..	6.8	0	0	28	00	2	24	1	0	0	1	0	1	0
	1730	60	1015.8	1008.9	..	21.4	18.6	17.1	19.6	77	+ 2	1.4	..	0.6	0	0	4	00	0	3	1	0	0	0	0	22	0
RANGIA	0830	66	1019.5	1011.8	+0.6	19.3	17.1	15.4	17.7	79	- 1	0.8	-1.1	2.2	0	0	26	00	2	4	20	0	0	0	0	0	0
	1730	66	1016.0	1008.3	+1.5	19.7	17.5	16.0	18.3	79	+ 4	0.8	-0.9	0.3	0	0	2	00	0	0	2	0	0	0	0	14	0
CHAPARMUKH	0830	38	1018.1	1013.7	+0.8	16.8	15.5	14.4	16.6	87	+ 3	0.8	-1.4	1.1	0	0	16	02	7	5	0	1	1	0	0	13	0
	1730	38	1013.4	1009.1	+0.6	23.5	19.2	16.3	18.6	65	- 2	0.6	-0.2	0.3	0	0	3	00	1	2	0	0	0	0	0	18	0
GOALPARA	0230	54	1015.7	1009.2	..	13.5	13.3	13.1	15.2	97	..	1.3	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	0530	54	1016.1	1009.6	..	12.7	12.6	12.5	14.7	99	..	2.0	..	0.3	0	0	2	00	0	1	0	1	0	0	0	29	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - DECEMBER, 1969 AGRAHAYANA 10 - PAUSA 10, 1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or ht. in gpm. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NORTH ASSAM (INCLUDING NEFA) (CONT																											
GAUHATI (BHORJOR)	0830	54	1018.5	1012.0	-0.1	17.2	15.9	15.0	17.2	87	+ 1	2.1	-0.5	0.3	0	0	2	01	0	0	0	0	1	0	0	29	0
	1130	54	1016.2	1010.0	..	22.6	18.4	15.5	17.8	65	..	1.7	..	7.0	0	0	26	09	13	1	0	0	1	0	2	5	0
	1430	54	1013.5	1007.3	..	24.4	18.6	14.6	16.8	55	..	1.9	..	5.2	0	0	28	08	16	0	1	0	0	1	2	3	0
	1730	54	1014.3	1008.0	-0.2	19.6	17.6	16.1	18.5	81	- 2	2.1	-0.6	0.4	0	0	3	00	1	0	0	2	0	0	0	28	0
	2030	54	1016.3	1009.8	..	16.2	15.5	15.1	17.2	93	..	1.7	..	0.8	0	0	5	00	0	0	0	5	0	0	0	26	0
	2330	54	1016.5	1010.1	..	14.5	14.2	13.9	16.0	96	..	1.3	..	0.0[a]	0	0	0	00	0	0	0	0	0	0	0	30	0
DHUBRI (RUPSI)	0530	45	1015.7	1010.2	..	11.3	11.0	10.8	13.1	97	..	1.4	..	2.3[a]	0	0	18	00	13	2	2	1	0	0	0	12	0
	0830	45	1018.1	1012.7	+0.9	17.7	15.9	14.5	16.7	82	+ 1	1.2	-0.5	5.3	0	0	28	03	15	8	1	0	1	0	0	3	0
	1130	45	1016.1	1010.9	..	23.1	18.1	14.6	16.8	59	..	1.5	..	7.5	0	0	30	00	6	17	4	3	0	0	0	1	0
	1730	45	1014.1	1008.7	+1.3	17.6	16.0	14.9	17.0	84	+ 1	1.3	+0.0	0.3[a]	0	0	3	00	1	1	1	0	0	0	0	27	0
DHUBRI	0830	35	..	..	..	17.5	16.4	15.7	17.9	89	+ 5	0.7	-0.6	2.0	0	0	19	00	18	1	0	0	0	0	0	12	0
	1730	35	..	..	..	21.9	17.9	15.1	17.3	66	- 5	0.4	-0.9	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
LUMDING	0830	149	1019.0	1001.7	..	15.8	14.3	13.4	15.6	84	- 2	1.8	..	0.1	0	0	1	00	0	1	0	0	0	0	0	30	0
	1730	149	1015.1	998.0	..	21.9	18.2	15.8	18.0	69	..	2.0	..	0.3	0	0	4	00	0	1	3	0	0	0	0	27	0
BONDILLA	0830		..	..	..	5.6	4.3	2.9	7.6	83	..	4.1	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	5.0	3.8	2.4	7.3	84	..	7.2	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAWANG	0830		..	..	..	6.2	5.5	4.7	8.6	91	..	3.6	..	5.2	0	0	31	07	0	5	0	7	0	12	0	0	0
	1730		..	..	..	6.4	5.6	4.8	8.7	90	..	3.7	..	3.9	0	0	31	06	0	18	0	4	0	3	0	0	0
TEZU	0830		..	..	..	16.8	14.7	12.7	14.9	78	..	2.5	..	0.0[a]	0	0	0	00	0	0	0	0	0	0	0	30	0
	1730		..	..	..	18.4	16.1	14.2	16.4	77	..	0.0	..	0.1	0	0	2	00	0	0	0	0	0	0	1	29	1
ALONG	0830		..	..	..	15.1	13.9	12.8	15.0	86	..	5.2	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	17.8	16.0	14.6	17.0	82	..	1.0	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
ZIRO	0830		..	..	..	5.9	4.7	3.0	7.9	83	..	2.9	..	0.6	0	0	3	00	3	0	0	0	0	0	0	28	0
	1730		..	..	..	11.4	9.1	7.2	10.3	76	..	3.0	..	2.2	0	0	12	01	0	0	1	0	6	0	4	19	0
KHONSA	0830		..	..	..	16.0	13.4	11.3	13.5	75	..	3.6	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	15.6	13.6	12.2	14.2	80	..	4.5	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
TURA	0830	370	1019.0	975.9	+0.3	16.1	13.9	12.0	14.1	77	- 1	2.1	+0.5	4.3[a]	0	0	27	00	4	18	4	1	0	0	0	3	0
	1730	370	1014.1	972.1	-0.5	21.9	18.1	15.5	17.7	67	- 4	5.2	+1.7	2.1	0	0	20	00	1	6	4	2	4	3	0	11	0
HAFLONG	0830	682	1015.3	938.0	-1.4	16.9	14.1	12.3	14.4	75	- 2	2.3	+0.0	2.5	0	0	31	02	10	0	1	3	14	0	1	0	0
	1730	682	..	..	..	17.9	14.3	11.4	13.7	67	- 7	2.3	+0.0	2.6	0	0	28	01	6	0	13	1	5	0	2	3	0
SILCHAR (KUMBHIRGRAM)	0530	97	1016.0	1004.5	..	13.4	12.2	11.1	13.5	86	..	2.1	..	10.0	0	0	31	00	0	31	0	0	0	0	0	0	0
	0830	97	1018.1	1006.7	+1.9	17.6	14.8	12.5	15.1	72	- 3	2.3	+1.2	9.7	0	0	31	00	0	30	1	0	0	0	0	0	0
	1130	97	1015.9	1004.7	..	23.3	17.1	12.3	14.6	50	..	2.4	..	6.1[a]	0	0	27	00	5	12	8	1	0	1	0	3	0
	1730	97	1013.8	1002.8	+1.8	21.4	17.2	14.1	16.3	64	- 4	1.6	+0.5	1.4	0	0	10	00	0	9	0	1	0	0	0	21	0
SILCHAR	0830	29	1017.9	1014.5	+0.5	17.1	15.4	14.2	16.3	83	- 1	2.4	+0.5	0.1	0	0	1	00	0	1	0	0	0	0	0	30	0
	1730	29	1013.5	1010.2	+0.2	23.3	18.6	15.4	17.6	61	- 7	1.9	+0.6	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
IMPHAL (TULIHAL)	0530	781	1020.7	929.4	..	6.9	6.5	6.1	9.6	94	..	3.2	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	0830	781	1021.0	931.3	+0.4	12.4	10.7	9.2	11.8	81	+ 0	3.9	+1.0	0.1	0	0	1	00	0	1	0	0	0	0	0	30	0
	1130	781	1016.2	929.0	..	19.4	14.0	9.7	12.2	54	..	2.6	..	2.5	0	0	14	01	0	0	2	4	4	2	0	17	1
	1430	781	1012.8	926.6	..	21.8	14.3	8.0	10.9	42	..	2.5	..	4.1	0	0	17	01	0	0	1	6	6	1	1	14	1
	1730	781	1015.2	927.1	+1.9	16.0	12.3	9.1	11.7	64	- 8	1.9	+0.4	3.4	0	0	15	02	0	1	1	3	0	1	7	16	0
	2030	781	1018.7	929.0	..	11.8	10.4	9.1	11.7	84	..	1.9	..	0.3	0	0	2	01	0	0	0	0	0	0	1	29	0
	2330	781	1019.7	929.2	..	9.4	8.7	8.0	10.8	91	..	2.0	..	0.6	0	0	3	01	2	0	0	0	0	0	0	28	0
KAILASHAHAR	0530	29	1016.6	1013.1	..	11.4	11.2	11.0	13.4	97	..	1.6	..	0.6	0	0	6	01	0	0	1	4	0	0	0	25	0
	0830	29	1018.4	1015.0	+0.8	17.9	16.2	15.0	17.2	83	+ 0	1.9	+0.4	2.8	0	0	27	02	0	0	8	14	3	0	0	4	0
	1130	29	1016.5	1013.1	..	24.2	18.3	14.2	16.4	54	..	2.3	..	7.3[a]	0	0	30[a]	03	6	3	5	3	3	3	3	0	1
	1730	29	1014.7	1011.3	+0.5	20.5	17.4	15.3	17.6	73	- 3	1.6	+0.0	0.8	0	0	8	00	0	1	0	2	1	1	3	23	0
AGARTALA	0230	16	1014.1	1012.2	..	12.5	11.9	11.3	13.5	92	..	0.7	..	0.5	0	0	3	00	0	0	0	1	1	0	1	28	0
	0530	16	1014.6	1012.7	..	11.7	11.1	10.6	13.0	93	..	1.5	..	0.3	0	0	2	00	0	0	0	1	1	0	0	29	0
	0830	16	1016.8	1014.9	+0.4	18.6	16.7	15.3	17.7	82	+ 6	2.0	+0.7	2.8	0	0	12	05	0	0	0	3	2	1	1	19	0
	1130	16	1015.0	1013.2	..	24.8	17.9	12.8	15.0	48	..	2.6	..	7.9	0	0	27	14	2	0	1	1	1	2	6	4	0
	1430	16	1012.6	1010.8	..	25.9	17.9	11.8	14.1	42	..	2.5	..	8.2	0	0	29	11	1	0	0	0	3	5	9	2	0
	1730	16	1013.3	1011.5	+0.3	20.7	16.9	14.2	16.3	66	- 3	1.6	+0.1	2.5	0	0	14	05	0	0	0	0	0	1	8	17	0
	2030	16	1015.1	1013.2	..	16.2	14.6	13.4	15.5	83	..	0.7	..	0.3	0	0	2	00	0	0	0	0	0	0	2	29	0
TUENSANG	2330	16	1015.0	1013.1	..	14.0	13.1	12.3	14.4	89	..	0.8	..	0.3	0	0	2	01	0	0	0	0	0	0	1	29	0
	0830		(R)																								
	1730		(R)																								

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — DECEMBER, 1969 AGRAHAYANA 10 - PAUSA 10, 1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lit. in gms. of normal standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p.h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SOUTH ASSAM (INCLUDING NAGALAND, MANIPUR AND TRIPURA)																											
MOKOKCHUNG	0830		(R)																								
	1730		(R)																								
SUB-HIMALAYAN WEST BENGAL																											
BAGHDOGRA	0230	131	1015.9	1000.3	..	11.9	11.2	10.5	12.8	92	..	0.8	..	0.1[a]	0	0	1	00	1	0	0	0	0	0	0	29	0
	0530	131	1016.5	1000.7	..	10.4	10.0	9.6	12.0	95	..	1.2	..	0.6	0	0	3	02	0	0	0	0	0	0	1	28	0
	0830	131	1018.3	1002.9	+0.5	17.8	15.1	18.0	15.1	74	- 2	1.3	-0.5	1.6	0	0	7	01	2	2	1	0	0	0	0	24	1
	1130	131	1016.7	1001.7	..	24.8	17.6	12.2	14.3	46	..	1.7	..	7.5	0	0	27	00	2	9	4	3	7	1	1	4	0
	1430	131	1013.8	998.9	..	25.8	17.6	11.2	13.5	41	..	3.1	..	5.9	0	0	25	00	0	0	1	4	9	7	1	6	3
	1730	131	1014.4	999.2	+0.2	19.3	16.0	13.5	15.6	70	-11	2.5	+0.0	3.0	0	0	11	01	0	0	0	0	7	3	0	20	0
	2030	131	1016.6	1001.1	..	14.8	13.8	12.9	15.0	89	..	1.0	..	1.4	0	0	7	03	1	0	0	0	0	2	1	24	0
	2330	131	1016.9	1001.2	..	13.0	12.2	11.6	13.8	91	..	0.9	..	0.3	0	0	1	00	1	0	0	0	0	0	0	30	0
JALPAIGURI	0830	83	1018.5	1008.7	+1.0	15.9	14.6	13.6	15.7	86	+ 0	0.8	-0.4	2.2	0	0	27	23	3	1	0	0	0	0	0	4	0
	1730	83	1014.2	1004.7	+0.9	21.9	17.5	14.5	16.6	63	+ 0	0.7	-0.6	0.3	0	0	5	00	0	0	1	0	2	2	0	26	0
COOCH BEHAR AERODROME	0830	43	1018.8	1013.8	+1.1	17.6	15.7	14.3	16.5	81	+ 6	1.1	+0.0	3.3	0	0	17	00	2	15	0	0	0	0	0	14	0
	1130	43	1016.9	1012.0	..	23.5	18.0	14.2	16.3	56	..	1.5	..	7.0	0	0	25	01	1	19	1	1	0	1	0	6	1
	1730	43	1014.8	1009.9	+0.7	20.8	17.3	14.9	17.0	69	- 5	1.2	-0.1	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
BALURGHAT	0830	26	1017.7	1014.7	..	20.5	17.0	14.5	16.7	69	..	0.8	..	2.0	0	0	24	17	1	0	0	1	0	1	4	7	0
	1730	26	1014.0	1011.0	..	22.2	18.8	16.5	18.9	70	..	1.5	..	0.3	0	0	4	01	0	0	0	0	1	1	1	27	0
MALDA	0830	31	1018.6	1014.9	+1.0	18.3	14.8	11.9	14.2	67	- 5	1.0	+0.0	1.3[a]	0	0	19	06	0	0	0	0	0	1	12	11	0
	1730	31	1014.4	1010.7	+0.5	22.3	17.2	13.4	15.5	57	- 6	1.1	+0.0	0.7	0	0	11	01	0	0	0	0	0	3	7	20	0
HASHIMARA AERODROME																											
GANGETIC WEST BENGAL																											
BERHAMPORE	0830		(R)																								
	1730		(R)																								
SURI	0830		..	..	..	20.6	15.3	10.9	13.2	54	- 9	0.8	-0.4	4.2	0	0	31	13	0	0	0	6	1	5	6	0	0
ASANSOL	0230	126	1016.4	1001.3	..	12.2	10.8	9.5	12.0	84	..	0.9	..	0.8	0	0	8	01	1	0	0	0	0	1	5	23	0
	0530	126	1016.8	1001.7	..	11.7	10.6	9.5	12.0	86	..	1.3	..	1.4	0	0	12	00	0	0	0	1	0	7	4	19	0
	0830	126	1018.8	1004.0	+1.2	17.2	13.8	10.8	13.1	66	- 1	1.5	+0.3	3.5	0	0	25	02	0	0	0	0	0	11	12	6	0
	1130	126	1017.1	1002.6	..	24.3	16.5	10.1	12.6	41	..	1.4	..	6.4	0	0	28	07	4	0	0	1	0	2	14	3	0
	1430	126	1014.2	999.9	..	25.7	16.9	9.8	12.3	37	..	1.5	..	6.3	0	0	31	09	2	0	0	2	0	3	15	0	0
	1730	126	1014.8	1000.1	+1.3	20.1	15.2	11.1	13.5	57	+ 9	1.2	-2.1	0.7	0	0	7	00	0	0	0	0	0	0	7	24	0
	2030	126	1016.9	1002.0	..	14.6	12.4	10.4	12.7	76	..	0.9	..	0.6	0	0	6	01	3	0	0	0	0	0	2	25	0
	2330	126	1017.1	1002.0	..	13.4	11.5	9.7	12.2	79	..	1.1	..	1.6	0	0	10	03	1	0	0	0	0	0	6	21	0
SHANTI NIKETAN	0830	59	1018.8	1011.8	..	16.8	14.1	11.9	14.1	73	..	1.6	..	2.0	0	0	20	05	0	0	0	0	1	2	12	11	0
	1130	59	1018.2	1011.4	..	23.0	15.3	8.3	11.2	40	..	1.8	..	0.7	0	0	9	05	0	0	0	0	0	1	3	22	0
	1730	59	1015.0	1008.1	..	19.7	15.4	11.9	14.1	61	..	1.3	..	0.5[a]	0	0	4	03	0	0	0	0	1	0	0	0	26
KRISHNANAGAR	0830	15	1018.2	1016.5	+0.9	17.2	14.7	12.7	14.8	75	- 1	0.7	-0.5	0.2	0	0	3	03	0	0	0	0	0	0	0	28	0
	1730	15	1015.5	1013.8	+1.8	22.3	17.7	14.5	16.6	61	- 2	0.8	-0.5	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
PURULIA	0830	255	1019.5	989.7	+0.8	16.3	12.6	9.0	11.7	62	+ 3	1.6	+0.8	2.3	0	0	28	00	0	0	0	0	0	12	16	3	0
	1730	255	1015.1	986.0	+0.7	21.5	16.0	11.7	13.9	54	+ 4	1.8	+0.7	0.1[c]	0	0	1	01	0	0	0	0	0	0	0	27	0
BANKURA	0830	100	1018.4	1006.6	..	16.8	12.9	9.3	11.9	62	..	0.8	..	0.6	0	0	9	03	1	0	0	0	0	0	5	22	0
	1730	100	1014.8	1003.3	..	22.7	16.7	12.0	14.1	50	..	0.6	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
BURDWAN	0830	32	1018.6	1014.7	+1.0	19.3	15.5	12.5	14.6	65	- 5	0.6	-0.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730	32	1014.3	1010.5	+0.6	24.4	17.2	11.9	14.1	47	-11	0.6	-0.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
CALCUTTA (DUM DUM)	0230	6	1015.0	1014.3	..	14.6	13.6	12.8	14.9	89	..	1.0	..	3.7	0	0	14	09	4	0	0	0	0	0	1	17	0
	0530	6	1015.7	1015.0	..	13.7	12.8	12.1	14.3	90	..	1.3	..	3.4	0	0	17	09	2	0	0	0	0	0	1	19	0
	0830	6	1018.0	1017.3	+1.0	18.1	15.1	12.7	14.9	71	- 4	1.6	+0.3	8.3	0	0	29	17	3	0	0	1	0	1	7	2	0
	1130	6	1016.4	1015.7	..	24.1	17.1	11.8	14.0	47	..	1.7	..	10.3	0	0	28	09	13	0	1	0	0	1	4	3	0
	1430	6	1013.6	1012.9	..	25.5	17.3	10.9	13.3	40	..	1.6	..	10.1[b]	0	0	27	14	5	0	0	0	1	1	6	2	0
	1730	6	1014.2	1013.5	+0.6	21.8	17.1	13.6	15.8	60	- 3	1.9	+0.4	2.7[a]	0	0	9	05	1	1	0	0	0	0	2	21	0
	2030	6	1016.0	1015.3	..	17.5	15.6	14.3	16.5	82	..	1.1	..	2.1	0	0	9	06	2	0	0	0	0	0	1	22	0
	2330	6	1015.6	1015.1	..	15.6	14.4	13.5	15.5	87	..	1.0	..	2.2	0	0	9	05	3	0	0	0	0	0	1	22	0
CALCUTTA	0830	6	1016.2	1017.4	+1.0	19.5	15.6	12.6	14.8	65	-11	1.5	+0.2	2.6	0	0	23	08	1	0	0	0	0	0	14	8	0
	1130	6	1016.4	1015.7	..	25.1	17.3	11.2	13.5	42	..	1.8	..	4.7	0	0	27	09	4	0	0	0	0	0	1	13	4	0
	1730	6	1014.4	1013.7	+0.8	21.8	18.0	13.0	15.5	73	+10	2.6	+1.1	0.6	0	0	9	02	0	0	0	0	0	0	7	22	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - DECEMBER, 1969 AGRAHAYANA 10 - PAUSA 10, 1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb.			Mean temperature in °C			Vapour pressure in mb.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry bulb	Wet bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GANGETIC WEST BENGAL (CONTD)																											
MIDNAPORE	0830	45	1018.5	1013.1	+1.0	19.1	14.5	10.5	12.9	58	- 5	1.2	+0.0	3.0	0	0	27	14	9	2	0	0	0	0	2	4	0
	1730	45	1014.2	1008.9	+0.7	23.3	16.2	10.2	12.8	45	- 5	1.3	+0.0	2.2	0	0	15	06	8	0	0	0	0	0	1	16	0
CONTAI	0830	41	1018.1	1016.8	+1.1	19.7	15.8	12.6	14.9	64	- 7	2.5	+1.7	4.1	0	0	29	26	1	0	0	0	0	1	1	2	0
	1730	11	1014.1	1012.9	+0.6	22.4	17.4	13.7	15.9	58	- 6	2.8	+1.9	0.6	0	0	6	01	0	0	0	4	0	1	0	25	0
SAGAR ISLAND	0830	3	1017.5	1017.1	+0.8	20.2	17.1	14.8	17.0	71	- 1	2.6	+0.9	6.1	0	0	31	15	10	0	0	0	0	0	6	0	0
	1730	3	1013.9	1013.6	+0.7	22.3	17.7	14.5	16.7	62	- 3	3.0	+0.6	4.5	0	0	30	09	6	0	1	2	3	1	8	1	0
SANDHEADS	0530	10	1015.3	1014.2	..	23.0	18.3	15.0	17.3	61	..	2.3	..	16.4	0	14	10	13	10	0	0	0	0	0	1	7	0
	0830	10	1017.8	1016.7	+1.1	24.2	19.0	15.6	17.9	59	- 3	2.6	+0.9	17.0	0	13	14	13	12	2	0	0	0	0	0	4	0
	1130	10	1016.9	1015.8	..	25.3	19.5	15.7	18.1	56	..	2.2	..	15.4	0	10	16	15	9	1	0	0	0	0	1	5	0
	1730	10	1014.5	1013.4	+0.7	23.8	18.6	15.1	17.3	59	- 2	2.8	+1.3	11.7[a]	0	9	12	12	7	1	0	0	0	0	1	9	0
	2330	10	1015.8	1014.7	..	23.4	18.5	15.1	17.5	60	..	0.7	..	10.3	0	6	12	11	6	0	0	0	0	0	1	13	0
BAGATI	0830		..	..	..	18.2	15.4	13.2	15.3	73	..	1.6	..	3.0	0	0	26	05	4	0	0	0	2	1	14	5	0
	1730		..	..	..	20.1	16.9	14.4	16.6	70	..	1.5	..	0.8	0	0	12	00	0	0	0	0	1	1	10	19	0
ORISSA																											
BARIPADA	0830	54	1019.4	1013.0	+0.9	17.1	14.0	11.3	13.6	69	+ 5	2.1	+1.1	1.0	0	0	14	07	0	0	0	0	0	0	7	17	0
	1730	54	1015.2	1008.9	+0.6	22.2	16.3	11.6	13.9	51	- 7	3.0	+2.1	0.1	0	0	1	01	0	0	0	0	0	0	0	30	0
JHARSUGUDA	0230	230	1015.9	988.7	..	13.2	11.7	10.2	12.7	82	..	1.5	..	3.0	0	0	21	06	14	0	0	0	1	0	0	10	0
	0530	230	1016.7	989.4	..	12.1	10.8	9.4	12.1	84	..	2.0	..	3.7	0	0	26	08	18	0	0	0	0	0	0	5	0
	0830	230	1018.8	991.9	+0.9	16.7	12.9	9.2	11.9	62	- 5	2.2	+0.9	7.9	0	0	30	07	22	1	0	0	0	0	0	1	0
	1130	230	1017.1	990.8	..	23.7	15.5	8.1	11.2	38	..	2.0	..	6.1	0	0	30	06	11	7	3	2	0	0	1	1	0
	1430	230	1013.8	987.8	..	26.4	16.1	6.4	10.2	30	..	2.7	..	4.7	0	0	31	11	6	4	2	0	1	2	5	0	0
	1730	230	1014.2	987.9	+0.5	23.2	15.8	9.3	12.1	43	- 4	2.7	+1.0	1.5	0	0	14	02	3	3	0	1	1	1	3	17	0
	2030	230	1016.4	989.7	..	18.5	13.9	9.6	12.4	57	..	2.1	..	2.2	0	0	18	00	0	1	2	7	4	2	2	13	0
	2330	230	1016.6	989.6	..	15.4	12.9	10.5	13.1	73	..	1.8	..	1.8[a]	0	0	15	04	4	4	1	1	1	0	0	15	0
KEONJHARGARH	0830	463	(R)																								
	1730	463	(R)																								
BALASORE	0830		(R)																								
	1730		(R)																								
SAMBALPUR	0830	148	1017.9	1000.8	+0.4	23.3	18.7	15.3	18.2	63	-12	2.1	+0.6	0.3	0	0	4	00	3	0	0	1	0	0	0	27	0
	1730	148	1013.6	997.0	+0.4	23.2	18.3	14.5	17.4	61	+12	1.6	-0.3	0.2	0	0	1	00	0	0	0	1	0	0	0	30	0
ANGUL	0830	139	1018.8	1002.3	+0.9	18.0	15.4	13.3	15.2	74	- 1	2.6	+0.8	2.6[a]	0	0	30	04	0	0	0	0	1	4	21	0	0
	1730	139	1014.1	998.3	+0.6	24.8	17.4	11.4	13.8	44	- 3	2.7	+0.6	2.3	0	0	28	10	7	2	1	2	1	2	3	3	0
CHANDBALI	0830	6	1018.6	1017.9	+1.5	21.1	17.3	14.6	17.0	67	- 9	1.7	+0.2	5.2[b]	0	0	27	11	6	4	0	0	1	2	3	2	0
	1730	6	1014.6	1013.8	+0.7	23.3	18.2	14.5	16.9	57	- 7	2.9	+1.1	2.2[b]	0	0	21	09	6	6	0	0	0	0	0	8	0
BOLANGIR	0830	190	1018.5	996.3	+0.7	18.6	15.2	12.3	14.6	67	+ 2	2.7	+0.4	0.7	0	0	6	03	1	0	0	1	0	0	1	25	0
	1730	190	1014.1	992.4	+0.1	24.2	17.1	11.4	13.8	46	- 3	2.9	+0.4	0.3	0	0	3	02	0	1	0	0	0	0	0	28	0
PHULBANI	0830	464	1019.6	963.6	..	16.0	13.7	12.0	14.2	77	..	1.5	..	0.0[a]	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	464	1012.5	960.3	..	21.3	16.1	12.3	14.6	57	..	1.0	..	0.0[a]	0	0	0	00	0	0	0	0	0	0	0	30	0
CUTTACK	0830	27	1019.0	1015.8	+1.6	18.9	16.7	15.1	17.5	79	+ 2	2.2	+0.5	1.3[a]	0	0	10	07	1	0	0	0	0	2	0	20	0
	1730	27	1014.8	1011.7	+1.3	26.2	20.0	16.0	18.3	54	+ 2	2.4	+0.6	1.0	0	0	7	03	0	3	0	1	0	0	0	24	0
TITLAGARH	0830	211	1017.2	992.5	-0.6	16.9	13.2	9.9	12.3	64	- 8	4.5	+3.3	2.0	0	0	31	00	10	0	15	0	6	0	0	0	0
	1730	211	1012.7	988.6	-0.8	24.0	18.0	13.6	15.8	52	+ 5	4.4	+3.2	2.0	0	0	31	00	25	0	6	0	0	0	0	0	0
BHUBANESWAR	0230	46	1015.2	1009.9	..	17.3	16.0	14.9	17.3	86	..	2.2	..	3.0	0	1	9	06	2	1	0	0	0	0	1	21	0
	0530	46	1015.8	1010.4	..	16.3	15.0	14.5	16.8	89	..	3.0	..	4.8	0	1	16	12	1	1	0	0	0	1	2	14	0
	0830	46	1018.1	1012.8	+0.8	20.1	17.1	14.7	17.0	71	+ 3	2.8	+1.1	8.9	0	3	22	19	1	0	0	0	0	0	5	6	0
	1130	46	1017.0	1011.8	..	25.2	18.0	12.6	14.9	46	..	3.0	..	12.2	0	3	28	09	16	2	0	1	1	1	1	0	0
	1430	46	1014.1	1008.9	..	26.5	18.0	11.3	13.8	40	..	3.6	..	11.1	0	3	22	17	8	0	0	0	0	0	0	6	0
	1730	46	1014.6	1009.3	+0.6	23.8	17.7	13.2	15.5	52	+ 0	3.4	+1.3	5.9	0	0	20	04	10	3	1	1	0	0	1	11	0
	2030	46	1016.4	1011.1	..	20.4	17.4	15.0	17.5	72	..	1.6	..	5.0	0	0	17	02	5	4	4	1	0	0	1	14	0
	2330	46	1016.4	1011.1	..	18.5	16.6	15.1	17.4	80	..	1.9	..	2.6	0	0	10	03	2	1	0	2	0	1	1	21	0
PURI	0830	6	1019.1	1018.4	+2.1	21.7	18.5	16.3	18.9	72	+ 2	3.3	+1.6	6.3	0	0	31	16	13	0	0	0	0	0	2	0	0
	1730	6	1014.6	1013.9	+0.9	24.2	19.5	16.2	19.3	64	+ 2	3.7	+1.2	6.2[a]	0	1	23	02	6	3	8	2	3	0	0	1	0
GOPALPUR	0530	17	1015.5	1013.5	..	17.5	16.4	15.6	17.9	88	..	3.5	..	11.8[a]	0	1	29	16	0	0	0	0	0	0	14	0	0
	0830	17	1018.0	1016.0	+1.0	19.9	17.6	16.0	18.3	78	+ 5	3.8	+1.7	12.3	0	1	30	20	1	0	0	0	0	1	9	0	0
	1130	17	1017.0	1015.0	..	25.6	19.7	15.8	18.2	55	..	3.6	..	11.3	0	0	31	09	10	4	6	1	0	0	1	0	0
	1730	17	1014.6	1012.6	+0.9	24.1	19.5	16.5	19.0	63	- 2	4.3	+2.0	13.2	0	1	30	01	6	5	17	1	0	0	1	0	0
	2330	17	1016.3	1014.3	..	19.6	17.7	16.4	18.8	82	..	2.7	..	8.6	0	2	25	16	0	0	0	0	0	0	3	8	4
KORAPUT	0830	913	1537.4	915.1	+0.0	16.3	14.0	12.1	14.4	77	+ 5	2.8	+1.6	16.1	0	0	31	00	5	8	10	5	2	0	1	0	0
	1730	913	1522.1	912.5	+0.2	20.3	16.3	13.4	15.9	67	+17	2.6	+0.9	16.3	0	1	30	01	3	1	2	0	1	1	22	0	0
PARADIP PORT	0830	11	1018.4	1017.5	..	27.3	25.0	24.0	29.9	82	..	0.8	..	16.7	0	11	20	20	2	2	0	1	0	3	3	0	0
	1730	11	1014.2	1013.3	..	28.5	25.3	24.3	30.5	83	..	0.7	..	20.2[a]	0	18	12	12	5	9	1	2	0	0	0	0	1
ROURKELA	0830	196	1019.8	996.3	..	15.9	13.3	11.1	13.4	73	..	1.4	..	3.0	0	0	16	02	6	5	1	1	0	0	1	15	0
	1730	196	1014.7	992.1	..	23.3	16.3	10.5	12.9	45	..	1.9	..	3.7	0	0	17	04	1	1	2	4	2	1	2	14	0
BHOWANI PATNA	0830	267	1017.3	987.1	..	18.9	15.4	13.0	15.4	70	..	3.3	..	2.0	0	0	31	01	7	2	1	12	7	0	1	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - DECEMBER, 1969 AGRAHAYANA 10 - PAUSA 10, 1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb.			Mean temperature in °C			Vapour pressure in mb.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
			At mean sea level or Sr. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction									
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORISSA (CONTD.)																											
BHOWANI PATNA	1730	267	1012.9	983.4	..	23.7	16.7	11.3	13.6	49	..	2.3	..	2.4	0	0	81	11	12	4	1	1	0	0	1	0	1
BIHAR PLATEAU																											
DUMKA	0830	149	1018.9	1001.4	+1.2	17.3	13.3	9.5	12.1	61	- 4	1.4	+0.5	2.3	0	0	18	05	1	0	0	0	0	6	6	13	0
	1730	149	1013.4	996.3	-0.2	21.1	16.0	11.8	14.0	56	+ 3	0.7	-0.3	2.1	0	1	6	04	0	0	0	0	0	1	2	24	0
DALTONGANJ	0830	221	..	..	..	16.9	12.5	8.3	11.1	57	-19	1.5	-0.2	3.7	0	0	29	00	0	0	0	0	2	0	27	2	0
	1730	221	..	..	..	..	..	..	..	..	..	0.9	-0.6	3.9	0	0	30	00	0	0	0	0	27	0	3	1	0
HAZARIBAGH	0830	611	..	..	..	..	..	..	..	..	..	1.4	+0.2	1.1	0	0	11	01	0	0	0	1	1	1	7	20	0
	1730	611	..	..	..	..	..	..	..	..	..	1.6	+0.1	2.5	0	0	24	09	0	0	0	0	1	0	14	7	0
DHANBAD	0830	257	1018.3	988.3	+0.6	17.7	13.3	9.1	11.8	57	+ 1	0.6	-0.5	1.4	0	0	12	00	0	0	0	1	0	7	3	19	1
	1730	257	1014.0	984.8	..	21.2	15.1	9.6	12.1	50	..	0.7	..	0.6	0	0	7	00	0	0	4	0	0	1	2	24	0
RANCHI AERODROME	0530	652	1017.6	942.0	..	11.3	8.5	5.6	9.3	68	..	1.1	..	4.8	0	0	15	01	0	0	0	0	0	4	10	16	0
	0830	652	1018.7	944.1	+0.6	15.6	10.8	6.3	9.7	55	+ 0	1.1	-0.4	4.7	0	0	14	05	0	0	0	2	1	1	5	17	0
	1130	652	1016.0	943.1	..	20.6	12.4	4.1	8.5	35	..	1.1	..	10.8	0	1	25	06	1	1	0	1	1	6	10	5	0
	1430	652	1013.1	940.6	..	22.4	12.6	2.4	7.4	28	..	1.0	..	15.5	1	2	24	09	1	0	0	0	1	5	10	3	1
	1730	652	1014.4	941.2	+0.4	19.9	12.0	3.9	8.3	36	- 7	1.2	-1.0	6.8	0	0	25	09	1	0	1	1	0	0	13	6	0
	2030	652	1017.4	942.9	..	15.3	10.4	5.3	9.2	52	..	0.8	..	5.9	0	0	18	03	0	0	0	0	0	5	10	13	0
JAMSHEDPUR	0830	129	1020.0	1004.7	+1.9	14.7	12.7	11.0	13.3	78	+ 3	3.9	+2.6	0.5	0	0	7	01	0	0	0	0	0	3	3	24	0
	1730	129	1015.9	1001.0	+1.9	21.0	18.2	16.3	18.6	75	+20	1.8	+0.7	0.1	0	0	2	01	0	0	0	0	1	0	0	29	0
JAMSHEDPUR P.B.O.	0530	142	1016.8	999.9	..	11.8	10.8	9.8	12.2	88	..	1.1	..	0.2	0	0	2	00	0	0	0	0	0	0	2	29	0
	0830	142	1019.0	1002.2	+0.8	15.0	12.6	10.4	12.9	75	+ 3	1.6	+0.4	0.9	0	0	6	00	0	0	0	0	0	1	5	25	0
	1130	142	1017.4	1001.0	..	22.4	15.5	9.4	12.1	44	..	1.2	..	3.7	0	0	17	01	1	0	1	1	0	0	13	14	0
	1430	142	1014.1	997.9	..	24.8	16.0	8.1	11.2	36	..	1.6	..	6.3	0	0	25	00	1	3	0	0	2	0	19	6	0
	1730	142	1014.3	998.0	+0.5	22.1	16.1	11.1	13.5	51	+ 3	1.5	+0.0	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	2030	142	1016.5	999.8	..	16.2	14.2	12.5	14.6	79	..	1.2	..	0.4	0	0	3	00	0	1	0	0	1	0	1	28	0
	2330	142	1016.9	1000.1	..	14.0	12.7	11.6	13.8	86	..	1.0	..	1.2	0	0	5	00	0	0	0	0	1	1	3	26	0
CHAIBASA	0830	226	..	..	..	15.7	13.0	10.7	13.0	72	+ 0	2.5	+0.8	0.7	0	0	11	00	0	0	1	0	8	0	2	20	0
	1730	226	..	..	..	21.5	16.0	11.6	13.9	53	+ 0	2.6	+0.4	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
BIHAR PLAINS																											
MOTIHARI	0830	66	1018.7	1010.8	+1.1	14.2	14.1	13.3	15.4	93	+10	0.7	-0.4	0.7	0	0	10	02	0	3	0	1	0	4	0	20	0
	1730	66	1014.7	1007.1	+0.8	20.1	17.5	15.9	18.1	76	+ 4	1.0	+0.1	0.1	0	0	2	00	0	0	1	0	0	1	0	25	0
FORBESGANJ	0830		(R)																								
	1730		(R)																								
DARBHANGA	0830	49	1019.0	1013.2	+1.3	17.5	14.9	12.8	14.9	74	-11	1.0	+0.0	0.1	0	0	2	00	0	0	0	0	0	2	0	29	0
	1730	49	1015.0	1009.4	+1.1	21.1	17.1	14.3	16.4	66	+ 0	1.2	+0.2	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
MUZAFFARPUR	0830		..	..	..	15.6	14.1	13.0	15.0	84	..	0.8	..	1.1	0	0	7	00	0	0	0	0	3	4	0	23	0
	1730		..	..	..	19.2	16.8	15.1	17.2	77	..	1.0	..	0.2	0	0	1	00	0	0	0	0	0	1	0	29	0
CHAPRA	0830	58	1018.8	1012.0	..	14.9	12.6	10.5	12.8	75	..	1.0	..	1.9	0	0	30	00	0	0	0	0	23	0	7	1	0
	1730	58	1015.2	1008.5	..	20.7	16.4	12.9	15.0	61	..	1.2	..	1.2	0	0	18	01	0	0	0	0	12	0	5	13	0
PURNEA	0830	38	1018.6	1014.1	+0.9	16.1	14.2	12.7	14.8	80	- 2	0.8	-0.1	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	38	1014.6	1010.1	+0.7	20.2	17.1	14.9	17.0	72	+ 1	1.1	+0.3	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
PATNA AERODROME	0230	60	1016.1	1008.9	..	11.6	10.7	10.0	12.4	91	..	0.6	..	0.1	0	0	1	00	0	0	0	1	0	0	0	30	0
	0530	60	1016.2	1009.0	..	10.8	10.0	9.2	11.8	89	..	0.7	..	0.5	0	0	6	00	0	0	0	1	1	4	0	25	0
	0830	60	1018.6	1011.4	+0.7	14.5	12.4	10.5	12.9	77	+ 3	1.4	+0.1	2.3	0	0	19	00	0	0	0	1	9	7	2	12	0
	1130	60	1017.6	1010.6	..	21.5	15.5	10.4	12.8	50	..	1.3	..	5.3	0	0	29	00	0	0	1	1	1	12	14	2	0
	1430	60	1014.7	1007.8	..	23.6	15.9	9.2	11.8	41	..	1.7	..	6.8	0	0	31	02	3	0	0	0	3	7	16	0	0
	1730	60	1014.8	1007.8	+0.5	19.8	15.4	12.2	14.4	60	+ 2	1.8	+0.5	0.1	0	0	1	00	0	0	0	0	0	1	0	30	0
	2030	60	1016.7	1009.6	..	14.9	13.0	11.3	13.6	79	..	0.9	..	0.5	0	0	3	00	0	0	0	0	0	2	1	28	0
	2330	60	1016.9	1009.7	..	12.9	11.6	10.5	12.8	86	..	0.6	..	0.2	0	0	2	00	0	0	0	1	0	0	1	29	0
BHAGALPUR	0530	49	1016.5	1010.7	..	13.2	12.0	11.0	13.2	87	..	0.9	..	3.4	0	0	22	00	0	0	0	0	10	12	0	0	9
	0830	49	1019.0	1013.1	+0.7	16.1	13.7	11.6	13.8	75	- 1	1.2	+0.2	3.2	0	0	25	00	0	0	4	2	13	6	0	5	0
	1130	49	1017.7	1012.0	..	21.3	16.1	12.1	14.3	56	..	1.2	..	6.6	0	0	29	00	1	0	0	0	2	11	15	2	0
	1730	49	1015.1	1009.3	+0.5	19.6	16.0	13.0	15.1	65	+ 2	1.6	+0.6	3.9	0	0	26	01	0	0	1	0	6	12	6	5	0
	2330	49	1017.0	1011.2	..	16.0	13.7	11.6	13.8	75	..	0.4	..	4.3	0	0	28	01	0	0	1	8	15	3	0	3	0
SABAUR	0830	37	1019.0	1014.6	+1.3	15.3	13.3	11.5	13.8	78	- 1	1.1	+0.0	2.9	0	0	29	00	0	0	1	0	19	7	2	2	0
	1730	37	1015.0	1010.6	+1.1	19.8	16.6	14.2	16.2	71	+ 0	1.7	+0.4	1.5	0	0	20	00	0	0	0	0	0	1	19	11	0
JAMUI	0830	82	..	..	..	13.4	12.3	11.3	13.6	87	+ 8	0.8	-0.2	1.1	0	0	17	01	0	11	4	0	0	1	0	14	0
	1730	82	..	..	..	20.0	16.7	14.2	16.4	70	+ 8	1.2	+0.2	0.6	0	0	10	00	0	1	0	0	0	5	4	21	0
DEHRI	0830	107	1018.6	1005.9	+0.4	15.6	13.5	11.7	13.8	78	+ 7	1.7	+0.8	1.9	0	0	30	00	0	0	0	8	20	1	1	1	0
	1730	107	1014.4	1001.9	+0.1	21.7	15.1	9.2	11.8	46	- 4	1.7	+0.4	2.1	0	0	31	00	3	0	0	0	1	25	2	0	0
GAYA	0230	116	1017.1	1003.2	..	10.7	10.1	9.4	12.0	92	..	0.8	..	2.8	0	0	24	00	0	1	16	6	1	0	0	7	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - DECEMBER, 1969 AGRAHAYANA 10 - PAUSA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BIHAR PLAINS (CONTD.)																											
GAYA	0530	116	1017.4	1003.4	..	9.4	9.0	8.6	11.3	94	..	1.1	..	3.5	0	0	25	00	0	4	16	3	2	0	0	6	0
	0830	116	1019.4	1005.6	+1.3	14.1	12.1	10.3	12.6	78	+10	1.5	+0.4	3.8	0	0	27	00	0	1	4	18	3	1	0	4	0
	1130	116	1018.3	1004.9	..	22.1	16.4	12.0	14.2	53	..	1.4	..	7.0	0	0	30	01	0	0	1	2	5	17	4	1	0
	1430	116	1015.4	1002.1	..	23.7	17.2	12.2	14.4	49	..	1.6	..	9.7	0	1	30	01	0	0	1	0	0	19	10	0	0
	1730	116	1015.5	1002.0	+1.5	20.4	15.8	12.2	14.4	60	+15	2.0	+0.7	3.9	0	0	26	04	0	0	0	0	1	7	14	5	0
	2030	116	1017.4	1003.6	..	15.5	13.1	11.0	13.3	75	..	1.4	..	1.9	0	0	13	02	1	1	1	2	3	2	1	18	0
	2330	116	1017.7	1003.9	..	12.6	11.4	10.2	12.6	86	..	0.7	..	3.1	0	0	24	00	0	3	11	8	2	0	0	7	0
SUPAUL	0830		..	..	..	14.4	13.5	12.8	15.0	91	..	0.6	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730		..	..	..	19.0	18.3	18.2	21.0	93	..	0.0	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
UTTAR PRADESH EAST																											
KHERI	0830	147	1018.3	1000.7	+0.2	12.8	11.1	9.5	11.9	81	+ 0	1.1	+0.0	0.6	0	0	9	00	0	0	0	0	0	9	0	20	0
	1730	147	1014.3	997.3	-0.4	20.7	15.3	10.8	13.1	54	- 9	1.7	+0.2	0.9	0	0	13	00	0	1	0	0	0	11	1	18	0
BAHRAICH	0830	124	1018.9	1004.3	+1.7	13.4	11.4	9.6	12.1	79	+ 0	1.3	+0.0	1.4	0	0	9	00	0	0	0	0	0	2	7	22	0
	1730	124	1014.9	1000.9	+1.0	19.7	15.0	11.3	13.3	58	+ 2	1.5	+0.0	0.8	0	0	5	00	1	0	0	0	0	2	2	26	0
NAUTANWA	0830	99	1018.0	1006.4	+0.5	13.6	12.3	11.8	13.8	89	+ 0	1.1	+0.1	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	99	1014.8	1003.4	+0.5	20.5	16.6	13.8	15.7	65	- 1	0.8	-0.3	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
HARDOI	0830	142	1017.7	1000.9	+0.1	12.8	10.7	8.9	11.5	77	- 7	0.5	-1.6	0.5	0	0	7	00	0	0	0	0	0	6	1	24	0
	1730	142	1013.4	997.2	-0.8	19.9	15.0	11.0	13.3	57	- 1	0.6	-1.0	0.6	0	0	9	01	0	0	0	0	0	8	0	22	0
GONDA	0830	110	1019.1	1006.0	+1.1	15.1	12.3	9.7	12.1	71	-13	0.6	-0.6	1.4	0	0	15	02	0	0	0	0	0	6	7	16	0
	1730	110	1014.8	1002.1	+0.1	20.8	15.7	11.7	13.8	56	- 7	1.0	-0.4	0.2	0	0	2	00	0	0	0	0	0	2	0	29	0
LUCKNOW	0830	111	1019.0	1005.8	+1.1	11.7	10.1	8.3	11.1	81	+ 0	0.7	-0.3	..	.	..	..	00	0	0	0	0	0	0	0	0	0
	1730	111	1015.1	1002.3	+0.7	22.1	15.1	8.9	11.5	44	-14	1.1	-0.2	..	.	..	..	00	0	0	0	0	0	0	0	0	0
LUCKNOW (AMOUSI)	0230	128	1016.8	1001.3	..	9.3	8.4	7.4	10.4	88	..	0.5	..	4.8	0	0	25	02	0	0	0	0	4	11	8	6	0
	0530	128	1016.8	1001.3	..	8.3	7.6	6.9	10.0	91	..	0.7	..	5.0	0	0	25	01	1	0	0	0	2	10	11	6	0
	0830	128	1018.8	1003.4	+0.5	11.4	9.9	8.3	11.0	81	+ 0	1.6	-0.2	4.9	0	0	22	01	0	0	0	0	2	10	9	8	0
	1130	128	1018.3	1003.4	..	21.2	14.3	7.8	10.7	43	..	1.3	..	8.5	0	0	30	04	0	1	1	1	2	9	12	1	0
	1430	128	1015.3	1000.6	..	23.4	14.9	6.9	10.1	35	..	1.5	..	12.4	0	3	27	03	1	0	0	1	1	7	17	1	0
	1730	128	1015.2	1000.4	+0.3	19.5	14.6	10.4	12.7	57	- 4	1.5	-0.4	6.4	0	0	30	01	0	0	0	1	1	14	13	1	0
	2030	128	1017.1	1001.9	..	13.0	11.1	9.2	12.6	78	..	1.2	..	4.6	0	0	25	01	0	0	0	0	4	12	8	6	0
	2330	128	1017.5	1002.2	..	10.9	9.6	8.4	11.1	85	..	0.7	..	4.8	0	0	24	01	0	0	0	0	5	12	6	6	0
FAIZABAD	0830	102	..	..	..	..	..	..	..	..	..	1.5	-0.1	1.1	0	0	12	00	0	0	0	0	0	12	0	19	0
	1730	102	1015.0	1003.1	+0.3	19.8	15.9	12.8	14.9	65	- 3	1.6	-0.3	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
GORAKHPUR	0830	77	1018.7	1009.5	+1.3	15.3	12.8	10.4	12.8	73	- 4	1.1	+0.1	0.8	0	0	12	01	0	0	0	0	1	4	6	19	0
	1730	77	1015.5	1006.6	+1.5	21.3	16.1	11.8	14.1	55	- 6	1.5	+0.3	0.4	0	0	6	00	0	0	0	1	2	2	1	25	0
GORKHPUR P.B.O.	0230	78	1016.2	1006.8	..	15.4	13.4	11.8	13.9	79	..	0.5	..	0.3	0	0	2	00	0	0	0	0	1	0	1	29	0
	0530	78	1016.1	1006.8	..	14.1	12.4	11.1	13.3	82	..	0.7	..	0.1	0	0	1	00	0	0	0	0	0	1	0	30	0
	1130	78	1017.8	1008.7	..	20.5	15.4	11.9	14.1	58	..	0.9	..	3.7	0	0	28	01	0	0	1	6	11	6	3	3	0
	1430	78	1015.0	1005.9	..	22.4	15.8	11.3	13.5	50	..	1.3	..	3.4	0	0	26	00	0	0	0	5	10	7	4	5	0
	2030	78	1016.6	1007.4	..	17.6	15.1	13.5	15.6	77	..	0.4	..	0.3	0	0	2	01	0	0	0	1	0	0	0	29	0
	2330	78	1016.9	1007.6	..	16.5	14.3	12.8	14.9	79	..	0.3	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
KANPUR	0830	126	1017.6	1002.6	-0.5	12.7	9.8	6.7	10.0	69	- 9	0.8	-0.3	1.5	0	0	7	01	0	0	0	0	0	5	1	24	0
	1730	126	1014.1	999.5	-0.9	20.3	13.6	7.1	10.3	43	- 4	1.1	-0.3	1.8	0	0	11	05	1	0	0	0	0	5	0	20	0
KANPUR (AERODROME)	0530	126	1017.0	1002.1	..	8.9	7.8	6.5	9.9	85	..	0.9	..	0.9	0	0	4	00	0	0	0	0	1	2	1	27	0
	0830	126	1019.1	1004.1	..	12.6	10.4	8.1	11.0	75	..	1.6	..	4.8	0	0	20	01	0	0	0	0	1	16	2	11	0
	1130	126	1018.7	1004.1	..	21.7	14.7	8.1	11.2	43	..	1.5	..	7.7	0	0	25	06	3	0	1	0	1	8	6	5	0
	1730	126	1015.6	1001.0	..	19.9	14.4	9.3	12.0	52	..	1.7	..	4.6	0	0	19	03	3	1	0	0	0	7	5	12	0
	2330	126	1017.7	1002.7	..	11.6	9.8	7.8	10.7	79	..	0.8	..	0.4	0	0	2	00	0	0	0	0	0	2	0	29	0
SULTANPUR	0830	97	1018.4	1006.8	+0.1	14.3	12.1	10.2	12.6	77	+ 8	1.3	-0.3	0.8	0	0	12	00	0	0	0	0	1	11	0	19	0
	1730	97	1015.5	1004.1	+1.3	21.2	16.0	12.1	14.2	56	+ 6	1.7	+0.2	0.1	0	0	2	00	0	0	0	0	1	1	0	29	0
AZAMGARH	0830	78	1018.7	1009.0	+0.7	13.8	11.9	10.1	12.4	79	- 2	1.2	+0.5	2.2	0	0	21	00	0	1	0	0	1	19	0	10	0
	1730	78	1015.0	1005.9	+0.6	20.6	16.1	12.6	14.7	60	- 9	1.2	+0.6	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
FATEHPUR	0830	114	..	..	..	13.0	11.2	9.5	11.9	80	+ 8	1.2	-0.1	1.9	0	0	21	00	0	0	0	0	1	20	0	10	0
	1730	114	..	..	..	19.8	15.3	11.6	13.7	59	+ 5	1.5	+0.0	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
BALLIA	0830	64	1018.6	1011.5	+0.8	15.3	13.4	11.4	13.9	80	+ 4	1.1	-0.3	0.2	0	0	3	00	0	0	0	0	0	3	0	28	0
	1730	64	1015.8	1008.5	+1.4	20.2	16.6	14.5	16.6	71	+13	1.5	+0.1	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
BANDA	0830	121	(R)																								
	1730	121	(R)																								
ALLAHABAD (BAMHRAULI)	0230	98	1016.6	1004.9	+3.9	11.0	9.7	8.4	11.1	84	+26	1.0	-0.2	0.1	0	0	1	00	0	0	0	0	0	0	1	30	0
	0530	98	1017.0	1005.2	..	9.6	8.8	7.8	10.7	89	..	0.9	..	0.1	0	0	1	00	0	0	0	0	0	1	0	30	0
	0830	98	1019.0	1007.3	+0.9	12.5	10.6	8.7	11.4	78	+ 2	1.5	+0.0	1.3	0	0	12	01	0	0	0	0	1	10	0	19	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - DECEMBER,1969AGRAHAYANA 10 - PAUSA 10,1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or lat. in gen. of mean sea level isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 02 or more	20 to 02	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH EAST (CONTD.)																											
ALLAHABAD(BAMHRAULI)	1130	98	1018.2	1006.9	..	22.0	15.0	8.7	11.4	43	..	1.4	..	3.8	0	0	24	02	0	0	0	1	0	12	9	7	0
	1430	98	1015.3	1004.1	..	24.7	15.8	8.0	10.9	35	..	1.5	..	5.5	0	0	27	04	1	0	0	0	0	12	10	4	0
	1730	98	1015.4	1004.1	+0.6	21.6	16.2	14.9	14.1	55	+ 4	1.8	+0.4	0.1	0	0	1	00	0	0	0	0	0	0	1	30	0
	2030	98	1017.0	1005.4	..	15.0	12.4	10.1	12.4	73	..	1.2	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	2330	98	1017.3	1005.7	..	12.6	10.8	9.0	11.6	79	..	1.1	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
VARANASI (BABATPUR)	0530	85	1017.4	1006.9	..	9.9	8.9	7.9	10.8	87	..	0.9	..	0.9	0	0	5	00	1	0	1	0	3	0	0	25	0
	0830	85	1019.3	1009.0	+0.3	13.8	11.5	9.2	11.8	74	+ 3	1.3	+0.1	2.2	0	0	14	00	0	0	0	1	6	6	0	17	1
	1130	85	1018.6	1008.6	..	21.6	14.7	8.6	11.5	44	..	1.3	..	4.5	0	0	23	01	0	0	0	1	6	13	2	8	0
	1730	85	1015.7	1005.7	+0.1	20.1	14.6	9.7	12.2	51	- 5	1.5	+0.2	1.5	0	0	9	00	1	0	0	0	1	2	3	22	2
	2330	85	1017.6	1007.3	..	12.3	10.8	9.3	11.8	83	..	0.8	..	0.6	0	0	3	00	1	0	0	0	0	2	0	28	0
VARANASI	0830		(R)																								
	1730		(R)																								
UTTAR PRADESH WEST																											
MUKHIM	0830		..	..	..	11.7	6.1	- 0.8	5.8	43	- 7	0.8	..	2.1	0	0	16	03	1	5	1	0	0	3	3	15	0
	1730		..	..	..	11.5	6.3	0.1	6.2	46	- 9	1.4	..	3.4	0	0	17	03	1	7	0	0	0	3	3	14	0
TEHRI	0830	770	..	..	..	7.1	6.3	5.5	9.1	90	- 2	0.8	-2.0	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1130	770	..	..	..	13.9	9.4	4.8	8.6	54	..	0.7	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	770	..	..	..	17.2	11.1	5.0	8.8	45	- 9	0.8	-1.8	0.2	0	0	3	00	0	0	2	1	0	0	0	28	0
DEHRA DUN	0530	682	1018.5	938.6	..	8.3	7.0	5.5	9.1	83	..	0.2	..	0.6	0	0	4	02	1	0	0	0	0	0	1	27	0
	0830	682	1019.9	939.9	+0.8	8.3	7.1	5.7	9.2	84	+ 8	1.0	-1.2	1.1	0	0	18	16	0	0	0	0	0	2	0	13	0
	1130	682	1017.6	940.5	..	19.1	12.5	6.6	9.8	45	..	1.3	..	2.7	0	0	20	00	1	0	2	3	7	5	1	11	1
	1730	682	1015.0	937.8	+0.5	17.8	13.1	9.1	11.6	58	- 3	1.6	-1.3	0.7	0	0	10	00	0	0	0	2	0	7	1	21	0
	2330	682	1018.6	939.4	..	10.6	8.9	7.1	10.1	79	..	0.7	..	1.3	0	0	8	06	2	0	0	0	0	0	0	23	0
MANSIARI	0830		..	..	..	..	..	..	..	..	..	1.1	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730		..	..	..	..	..	..	..	..	..	2.2	..	1.5	0	0	8	00	0	0	2	4	2	0	0	23	0
ROORKEE	0830	274	1019.7	986.9	+1.5	9.9	8.0	5.8	9.3	76	- 5	0.9	-1.3	0.1	0	0	2	00	0	0	0	0	0	0	2	29	0
	1730	274	1016.0	984.5	+1.5	20.5	14.3	8.6	11.3	47	- 4	1.6	-0.9	1.0	0	1	6	01	0	0	2	0	1	0	3	24	0
NAJIBABAD	0830	270	1019.3	987.2	+1.1	9.3	8.4	7.6	10.4	89	+ 2	0.8	-1.0	0.3	0	0	4	00	1	2	0	0	0	1	0	27	0
	1730	270	1015.9	984.7	+0.0	19.5	14.5	10.2	12.6	55	- 3	0.8	-0.7	0.8	0	0	7	00	0	1	1	0	0	4	1	24	0
MEERUT	0830	222	1019.6	993.1	+0.6	9.7	8.0	6.0	9.5	78	+ 5	0.0	-1.1	1.4	0	0	11	00	0	0	0	0	1	7	3	20	0
BAREILLY	0830	173	1018.7	997.9	+0.6	10.6	9.4	8.2	11.0	85	+ 6	1.5	-0.2	1.4	0	0	19	01	2	1	0	0	2	9	4	12	0
	1730	173	1014.9	994.8	+0.4	19.3	14.9	11.2	13.4	60	+ 6	1.5	-0.4	1.3	0	0	19	01	0	1	0	0	3	13	1	12	0
BAREILLY P.B.O.	0230	172	1016.4	996.1	..	12.1	10.1	8.3	11.1	79	..	0.5	..	1.9	0	0	18	01	0	1	0	0	0	14	2	13	0
	0530	172	1016.6	996.0	..	10.9	9.4	7.9	10.7	82	..	0.5	..	2.0	0	0	17	02	2	0	0	0	0	8	5	14	0
	1130	172	1018.3	998.1	..	18.2	13.2	9.3	11.8	56	..	2.1	..	3.8	0	0	26	03	2	1	1	0	0	11	8	5	0
	1430	172	1015.3	995.4	..	21.5	13.7	7.6	10.5	41	..	2.4	..	5.2	0	0	31	00	3	0	1	0	5	14	8	0	0
	2030	172	1016.7	996.4	..	15.3	12.2	9.8	12.2	70	..	0.6	..	0.8	0	0	10	00	0	1	0	0	1	5	3	21	0
	2330	172	1017.2	996.8	..	13.6	11.1	9.0	11.6	75	..	0.3	..	1.1	0	0	12	01	0	1	0	0	1	8	1	19	0
ALIGARH	0830	187	1019.8	997.0	+1.3	11.1	8.5	5.4	9.2	68	- 1	1.4	-0.2	2.1	0	0	25	01	0	2	0	0	0	22	0	6	0
	1730	187	1016.2	994.6	+1.3	19.9	14.3	9.3	11.8	51	+ 5	2.2	+0.3	1.3	0	0	16	00	0	0	0	0	0	15	1	15	0
MAINPURI	0830	157	1019.3	1000.4	+1.1	11.6	10.0	8.4	11.1	81	+ 6	1.0	-0.5	1.8	0	0	19	00	0	0	0	0	0	19	0	12	0
	1730	157	1015.9	997.6	+1.0	19.6	15.6	12.4	14.6	64	+12	1.3	-0.5	0.1	0	0	1	00	0	0	0	0	0	1	0	28	0
AGRA	0830	169	1019.8	999.5	+1.1	10.9	8.5	5.8	9.3	71	+ 3	0.4	-0.9	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	169	1015.9	996.3	+0.6	20.4	15.1	10.7	13.0	54	+14	1.7	+0.2	0.1	0	0	1	00	0	0	0	0	0	0	1	30	0
AGRA AERDROME	0230	169	1018.1	997.5	..	9.0	8.0	6.8	10.0	86	..	0.6	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	0530	169	1018.2	997.8	..	8.0	7.2	6.3	9.6	89	..	0.9	..	0.5	0	0	3	00	0	0	0	1	0	1	1	28	0
	0830	169	1019.9	999.6	..	11.0	8.8	6.1	9.5	73	..	1.5	..	1.5	0	0	9	00	1	0	0	0	1	6	1	22	0
	1130	169	1019.2	999.8	..	21.3	13.7	5.9	9.6	38	..	1.6	..	4.0	0	0	17	03	1	0	0	2	2	2	7	14	0
	1730	169	1016.1	996.5	..	20.2	13.9	7.6	10.7	45	..	2.1	..	3.0	0	0	11	01	1	0	1	0	0	1	7	18	0
	2330	169	1018.5	998.2	..	10.6	9.1	7.4	10.3	80	..	0.8	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
ORAI	0830	141	1020.4	1003.9	+1.4	20.0	14.4	9.4	12.0	51	-12	0.8	-0.5	2.6	0	0	28	02	13	0	0	0	0	2	11	3	0
JHANSI	1730	141	1015.6	999.3	+0.1	21.7	14.6	8.1	10.9	43	- 5	1.3	+0.3	2.2	0	0	31	04	3	0	0	0	0	6	18	0	0
	0830	251	1020.5	990.7	+1.7	13.9	10.3	6.2	9.6	61	+ 0	0.4	-0.9	0.1	0	0	2	00	0	0	1	1	0	0	0	29	0
	1730	251	1013.8	985.0	-0.9	20.5	14.1	8.3	11.0	48	+ 9	0.8	-0.7	1.1	0	0	14	01	0	3	0	7	0	3	0	17	0
MORADABAD	0830	198	000.0	994.7	..	10.2	8.3	6.4	9.7	71	..	0.0	..	2.0	0	0	14	00	0	1	1	0	0	0	12	17	0
	1730	198	000.0	991.6	..	19.7	15.2	11.4	13.7	60	..	0.4	..	2.6	0	0	18	00	1	0	0	0	0	0	17	13	0
UTTAR KASHI	0830		(R)																								
	1730		(R)																								
ASCOT	0830		..	..	..	7.7	5.4	2.1	7.2	69	..	1.1	..	0.6	0	0	9	00	3	1	3	0	1	1	0	22	0
	1730		..	..	..	12.3	7.4	1.0	6.7	47	..	1.4	..	1.8	0	0	25	00	0	0	0	0	15	10	0	6	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – DECEMBER, 1960 GRAMYANA 16 – PRAGA AD 1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mb. At station level	Mean pressure in mb. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 62 or more	28 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH WEST(CONTD.)																											
DHARCHULA	0830		..	..	..	..	..	..	..	..	..	0.8	..	0.2	0	0	3	00	2	0	0	0	0	1	0	28	0
	1730		..	..	..	..	..	..	..	..	..	1.0	..	0.8	0	0	12	01	9	2	0	0	0	0	0	19	0
HARYANA(INCLUDING DELHI AND CHANDIGARH)																											
CHANDIGARH	0830	347	1018.2	976.8	+0.9	12.7	8.7	4.1	8.2	57	-10	1.2	-0.3	0.8	0	0	7	00	1	0	0	0	0	0	6	24	0
	1730	347	1014.8	975.0	+0.1	20.2	12.7	4.7	8.7	37	-13	0.9	-0.6	2.6	0	0	18	00	0	0	0	0	0	0	18	13	0
AMBALA	0830	272	1018.5	986.0	+0.7	10.2	7.9	6.0	8.8	71	- 7	0.0	-1.5	2.2	0	0	25	00	4	0	14	0	6	0	1	6	0
	1730	272	1015.2	983.9	+0.6	19.9	13.3	6.3	9.7	43	- 5	0.0	-2.0	1.2	0	0	17	00	2	0	0	0	1	0	14	14	0
AMBALA P.B.O.	0230	278	1017.6	984.4	..	11.0	9.3	7.8	10.6	81	..	0.1	..	2.9	0	0	14	01	0	1	0	0	0	2	10	17	0
	0530	278	1017.5	984.2	..	9.4	7.9	6.4	9.6	82	..	0.1	..	2.0	0	0	12	00	0	1	1	0	0	1	9	19	0
	1130	278	1018.5	986.2	..	18.8	15.2	12.8	14.9	68	..	1.6	..	3.9	0	0	19	00	0	0	4	0	1	3	11	12	0
	1430	278	1015.7	984.1	..	21.2	16.2	13.2	-5.4	60	..	1.6	..	7.9	0	1	24	01	0	0	2	0	0	10	12	6	0
	2030	278	1017.1	984.4	..	15.4	12.8	11.0	13.2	75	..	0.2	..	4.1	0	0	18	01	2	0	0	0	0	1	14	13	0
	2330	278	1017.5	984.9	..	13.1	10.9	9.2	11.6	77	..	0.1	..	4.7	0	0	17	02	0	0	0	0	0	0	15	14	0
AMBALA AERODROME	0530	274	1018.1	984.6	..	4.4	4.0	3.6	8.0	93	..	0.4	..	1.6	0	0	6	00	0	0	0	0	0	5	1	25	0
	0830	274	1019.4	986.1	..	5.9	5.1	4.1	8.3	88	..	1.4	..	1.9	0	0	7	00	0	0	1	0	0	3	3	24	0
	1130	274	1018.5	986.8	..	19.6	13.2	6.7	10.0	44	..	1.5	..	7.6	0	0	22	00	0	3	5	0	1	7	6	9	0
	1730	274	1015.4	983.6	..	18.3	13.0	7.7	10.7	51	..	1.9	..	5.9	0	0	18	00	0	0	0	0	0	15	3	13	0
	2330	274	1018.3	985.2	..	7.9	6.7	5.3	9.0	84	..	0.2	..	2.5	0	0	8	00	0	0	0	0	0	6	2	23	0
KARNAL	0830	249	1019.3	989.5	+1.2	10.6	8.2	5.3	9.0	70	- 9	0.6	-1.3	2.1	0	0	21	00	4	1	1	0	0	7	8	10	0
	1730	249	1015.3	986.5	+0.0	19.6	13.1	6.6	9.9	44	- 3	1.0	-1.1	2.6	0	0	25	00	0	1	0	0	0	19	5	6	0
HISSAR	0530	221	1018.3	991.4	..	6.9	5.9	4.6	8.6	86	..	0.0	..	1.5	0	0	16	01	1	4	0	0	3	7	0	15	0
	0830	221	1020.0	993.2	+1.0	8.1	6.5	4.3	8.4	78	+ 6	1.4	-0.2	2.3	0	0	20	00	0	3	0	2	3	12	0	11	0
	1130	221	1019.3	993.6	..	20.2	14.4	9.0	11.7	49	..	1.3	..	2.6	0	0	20	02	0	3	1	0	0	9	5	11	0
	1430	221	1016.4	991.1	..	23.7	15.6	8.1	11.3	38	..	1.6	..	3.8	0	0	19	08	0	2	0	0	0	7	2	12	0
	1730	221	1016.1	990.6	+0.7	21.9	15.6	10.2	12.7	48	+ 5	1.4	-0.4	1.1	0	0	13	05	1	2	0	0	0	2	3	18	0
	2330	221	1018.4	992.0	..	10.8	8.6	6.2	9.5	74	..	0.1	..	2.5	0	0	21	02	0	9	0	1	1	7	1	9	0
NEW DELHI/SAFDARJUNG	0230	216	1017.6	991.6	..	10.2	8.0	5.5	9.1	73	..	0.8	..	3.2	0	0	16	00	0	0	0	0	4	10	2	15	0
	0530	216	1017.8	991.7	..	8.6	6.7	4.1	8.3	74	..	1.1	..	3.7	0	0	20	00	0	0	0	0	9	10	1	11	0
	0830	216	1019.5	993.5	+1.2	9.8	7.2	4.0	8.2	68	+ 5	1.7	-0.4	5.2	0	0	22	00	0	0	0	0	10	11	1	9	0
	1130	216	1018.9	993.8	..	20.3	12.8	5.1	8.9	38	..	2.0	..	9.2	0	1	29	01	0	4	1	0	5	12	7	1	0
	1430	216	1016.0	991.2	..	23.1	13.8	4.2	8.4	30	..	2.0	..	11.0	0	4	26	03	2	1	1	0	2	12	9	1	0
	1730	216	1015.6	990.7	+0.9	20.9	13.6	6.4	9.7	40	+ 2	2.0	-0.3	5.7	0	0	28	00	1	1	0	0	1	12	13	3	0
	2030	216	1017.6	991.9	..	13.6	10.5	7.1	10.2	65	..	1.2	..	3.2	0	0	18	00	0	1	0	0	1	14	2	13	0
	2330	216	1018.2	992.3	..	11.5	9.0	6.2	9.5	71	..	0.7	..	3.1	0	0	17	00	1	0	0	0	4	11	1	14	0
PALAM AERODROME	0230	233	1017.9	989.9	..	9.7	7.2	3.9	8.2	69	..	0.3	..	6.6	0	0	24	00	0	3	4	0	4	12	1	7	0
	0530	233	1018.0	989.8	..	8.0	6.0	3.2	7.8	73	..	0.6	..	7.3	0	0	26	01	0	0	2	0	9	12	2	5	0
	0830	233	1019.6	991.6	..	10.0	7.2	3.3	8.0	65	..	1.6	..	7.1	0	0	24	00	0	1	3	0	4	13	3	7	0
	1130	233	1019.1	992.0	..	19.5	12.4	4.6	8.7	39	..	1.5	..	9.7	0	3	24	03	2	0	1	2	2	3	14	4	0
	1430	233	1016.1	989.4	..	22.7	13.3	2.5	7.8	28	..	1.9	..	14.2	0	5	26	14	3	0	1	1	0	1	11	0	0
	1730	233	1015.8	988.9	..	20.3	13.0	5.4	9.2	39	..	2.0	..	7.8	0	0	25	09	2	2	0	0	0	1	11	6	0
	2030	233	1017.5	990.0	..	14.0	10.1	5.6	9.3	58	..	0.7	..	5.2	0	0	21	02	2	2	2	1	0	8	4	10	0
	2330	233	1018.1	990.4	..	11.7	8.6	4.9	8.8	64	..	0.4	..	5.8	0	0	21	00	1	1	5	0	3	9	2	10	0
GURGAON	0830		..	..	..	10.9	7.7	3.4	7.9	61	..	1.5	..	0.1	0	0	1	00	0	0	0	0	0	1	0	30	0
	1730		..	..	..	21.6	13.7	5.7	9.3	36	..	1.5	..	0.3	0	0	2	00	0	0	0	0	0	1	1	29	0
NARNAUL	0830		(R)																								
	1730		(R)																								
ROHTAK	0830	219	..	..	..	9.9	7.3	4.1	8.2	68	..	2.2	..	5.5	0	0	31	01	2	0	2	4	6	10	6	0	0
	1730	219	..	..	..	19.6	13.6	8.1	10.9	48	..	1.9	..	6.9	0	0	31	05	3	1	1	1	1	8	10	0	1
PUNJAB																											
PATHANKOT	0530	234	1018.6	980.8	..	5.8	4.9	3.6	8.0	86	..	1.3	..	3.9	0	0	15	02	8	4	0	1	0	0	0	16	0
	0830	234	1019.8	982.1	+0.9	7.5	5.9	3.7	8.0	79	+ 4	2.6	-0.4	3.9	0	0	17	06	7	1	1	1	1	0	0	14	0
	1130	234	1019.1	983.0	..	19.2	11.9	4.0	8.2	36	..	2.7	..	3.5	0	0	15	00	3	0	5	5	0	0	2	16	0
	1730	234	1016.1	979.6	-0.4	17.9	12.2	6.1	9.2	49	- 9	2.6	-1.1	7.5	0	1	25	02	1	0	0	1	6	16	0	5	0
	2330	234	1019.3	981.7	..	7.4	6.1	4.2	8.3	81	..	0.8	..	3.1	0	0	10	00	9	0	0	0	1	0	0	21	0
AMRITSAR	0530	234	1018.7	990.1	..	4.8	4.0	2.8	7.5	87	..	1.5	..	4.5	0	0	21	03	3	4	1	0	1	6	3	9	0
	0830	234	1020.1	991.4	+0.7	5.4	4.7	3.7	8.0	89	+ 1	2.1	-0.5	4.1	0	0	24	05	5	3	1	0	2	7	1	7	0
	1130	234	1019.7	992.4	..	18.4	12.5	6.5	9.7	46	..	2.1	..	4.5	0	0	19	02	0	2	2	0	1	3	9	12	0
	1430	234	1016.8	989.9	..	22.2	13.7	5.0	8.9	33	..	1.9	..	9.5	0	2	25	00	1	0	1	0	3	9	13	4	0
	1730	234	1016.5	989.2	+0.4	18.4	12.5	6.5	9.8	46	- 8	2.2	-0.6	6.5	0	0	27	02	0	0	0	0	2	13	10	4	0
	2030	234	1018.3	990.3	..	10.6	7.8	4.4	8.4	66	..	1.6	..	5.6	0	0	26	01	4	1	1	0	2	8	9	5	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — DECEMBER, 1969 AGRAHAYANA 10 - PAUSA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I. S. T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or lic. in gem. of nearest standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
PUNJAB (CONTD)																												
ADAMPUR AERODROME	0830	249	1020.0	989.6	..	5.0	3.9	2.2	7.2	82	..	1.8	..	4.1	0	0	15	06	1	2	3	0	0	0	3	16	0
	1730	249	1016.6	987.6	..	17.8	12.5	7.2	10.3	51	..	2.1	..	11.7	0	0	28	02	1	0	1	0	0	5	19	3	0
LUDHIANA	0830	247	1019.5	990.0	+1.2	10.2	7.9	5.0	8.8	71	- 8	1.0	-1.1	1.2	0	0	11	00	0	0	1	0	0	0	10	20	0
	1730	247	1015.9	987.3	+0.4	19.1	13.4	7.9	10.7	49	- 1	0.3	-2.0	0.4[a]	0	0	5	00	1	0	0	0	0	0	4	25	0
FEROZEPUR	0830	200	1020.5	996.3	+1.9	9.9	8.0	5.8	9.3	77	-12	0.6	-1.2	0.6	0	0	7	05	1	0	0	1	0	0	0	24	0
	1730	200	1017.0	993.9	+1.6	20.4	13.7	7.4	10.3	43	-16	0.4	-1.7	1.6	0	0	19	11	0	0	0	0	0	0	8	12	0
HALWARA AERODROME	0530	242	1018.3	988.8	..	4.9	4.4	3.7	8.0	92	..	0.5	..	4.7[a]	0	0	13	01	0	0	0	1	0	5	6	17	0
	0830	242	1019.7	990.4	..	7.3	6.2	4.8	8.7	84	..	1.8	..	7.2	0	0	21	02	1	0	1	2	2	9	4	10	0
	1130	242	1019.1	991.1	..	19.5	12.5	5.0	8.9	39	..	1.6	..	12.3[a]	0	2	23	03	0	2	3	1	0	6	9	5	1
	1730	242	1016.3	988.2	..	18.4	12.3	5.9	9.4	45	..	1.7	..	11.4	0	0	27	02	0	1	0	0	5	11	8	4	0
	2330	242	1018.8	989.6	..	8.1	6.8	5.4	9.0	83	..	0.1	..	7.9	0	0	20	02	0	0	1	1	0	8	8	11	0
PATIALA	0830	251	1019.4	989.5	+1.1	9.6	7.5	5.0	8.8	74	- 4	1.5	-1.0	3.9	0	0	14	00	0	0	14	0	0	0	0	17	0
	1730	251	1016.0	987.0	+0.5	20.1	12.8	4.9	8.9	38	-15	1.2	-1.6	5.0	0	0	18	00	0	0	17	0	0	0	1	13	0
BHATINDA	0830	211	1019.8	994.6	..	12.6	9.0	4.7	8.6	59	- 9	0.3	-0.7	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	211	1015.8	991.5	..	21.5	14.7	8.5	10.7	44	- 7	0.4	-0.9	0.6	0	0	9	00	1	0	0	0	0	0	8	22	0
HIMACHAL PRADESH																												
MANDI	0830	761	1024.4	934.2	+3.0	4.8	4.0	3.1	7.7	89	- 6	1.1	-3.7	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730	761	1018.3	931.0	+2.6	12.6	9.6	6.6	9.8	68	+ 5	1.6	-1.7	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BILASPUR	0830	587	1020.9	951.7	-0.3	6.2	5.2	3.9	8.2	85	-10	1.0	-4.9	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	587	1015.8	949.0	+0.0	17.9	11.4	4.9	8.7	43	-15	1.3	-2.4	2.4	0	0	20	01	2	7	7	3	0	0	0	11	0
JAMMU AND KASHMIR																												
MISGAR	0830		(R)																									
	1730		(R)																									
GILGIT	0830		(R)																									
	1730		(R)																									
SKARDU	0830		(R)																									
	1730		(R)																									
LEH	0530		(R)																									
	0830		(R)																									
	1730		(R)																									
SRINAGAR	0230	1587	1552.0	846.5	+1.4	- 1.2	- 1.8	- 2.2	4.8	93	+51	1.1	-3.1	1.3	0	0	14	00	0	0	8	0	0	0	6	17	0
	0530	1587	1552.3	846.5	..	- 2.7	- 3.1	- 3.5	4.4	94	..	0.7	..	1.5	0	0	17	00	0	0	8	1	1	0	7	14	0
	0830	1587	1566.5	847.9	+1.5	- 2.5	- 2.9	- 3.5	4.6	94	+ 6	2.2	-3.0	1.7	0	0	20	01	0	0	14	0	2	0	3	11	0
	1130	1587	1567.8	848.2	..	4.9	2.2	- 1.6	5.4	64	..	1.0	..	1.7	0	0	19	00	0	0	6	0	0	1	12	12	0
	1430	1587	1543.8	845.7	..	9.2	5.0	- 0.1	6.1	53	..	2.4	..	2.3	0	0	23	02	2	0	4	0	1	0	14	8	0
	1730	1587	1538.3	845.2	+0.9	6.5	3.8	0.5	6.4	66	- 1	2.4	-2.5	1.5	0	0	15	00	0	0	3	0	0	1	11	16	0
	2030	1587	1547.5	846.0	..	1.6	0.7	- 0.8	5.7	84	..	1.3	..	1.1	0	0	14	00	0	0	3	0	0	0	11	17	0
	2330	1587	1553.1	846.3	..	- 0.0	- 0.6	- 1.7	5.4	89	..	1.0	..	1.2	0	0	13	00	0	0	4	0	0	0	9	18	0
SRINAGAR AERODROME	0530	1666	1557.0	838.8	..	- 2.8	- 3.9	- 5.7	3.8	80	..	2.1	..	2.5	0	0	11	00	1	1	1	3	2	2	1	20	0
	0830	1666	1565.8	840.0	..	- 2.5	- 3.5	- 5.1	4.0	81	..	2.7	..	1.7	0	0	8	01	0	2	0	2	2	0	0	23	1
	1130	1666	1574.9	840.8	..	5.0	2.3	- 1.6	5.4	64	..	2.5	..	2.6	0	0	11	04	1	2	1	0	1	1	0	20	1
	1730	1666	1540.8	837.5	..	5.9	3.1	- 0.6	5.9	64	..	3.3	..	4.4	0	1	13	02	0	2	1	1	2	3	3	17	0
	2330	1666	1558.7	839.0	..	- 1.5	- 2.9	- 4.9	4.1	77	..	1.6	..	2.4	0	0	11	01	1	1	0	2	1	4	0	20	1
GULMARG	0830		(R)																								
	1730		(R)																								
QAZIGUND	0830	1690	..	..	..	- 2.2	- 2.6	- 3.4	4.6	91	..	2.4	..	3.8	0	0	28	00	7	8	2	4	4	3	0	3	0
	1730	1690	..	..	..	6.3	2.9	- 1.9	5.2	56	..	2.8	..	4.4	0	0	29	00	0	3	2	3	8	13	0	2	0
BANIHAL	0830	1630	1541.4	840.9	..	3.7	0.8	- 3.5	4.7	61	..	1.3	..	0.8	0	0	3	03	0	0	0	0	0	0	0	28	0
	1730	1630	1512.4	838.2	..	11.0	4.9	- 4.1	4.7	37	..	2.3	..	1.7	0	1	5	05	0	0	0	1	0	0	0	25	0
JAMMU	0830		(R)																								
	1730		(R)																								
JAMMU AERODROME	0530	292	1018.6	983.4	..	8.7	6.0	2.2	7.2	64	..	0.5	..	6.6	0	0	22	00	20	1	1	0	0	0	0	9	0
	0830	292	1019.9	984.6	..	9.1	6.0	1.7	6.9	60	..	2.2	..	7.9	0	0	26	03	19	4	0	0	0	0	0	5	0
	1130	292	1019.7	985.5	..	18.2	10.8	1.9	7.1	34	..	2.0	..	5.1	0	0	24	02	11	6	1	1	1	1	1	7	0
	1730	292	1016.8	982.6	..	17.5	11.9	5.9	9.4	47	..	2.3	..	1.1	0	0	7	00	1	0	0	0	0	5	1	24	0
	2330	292	1019.1	984.0	..	10.3	7.4	3.7	8.1	64	..	0.4	..	5.6	0	0	21	00	18	3	0	0	0	0	0	10	0
GULMARG (RESEARCH INSTITUTE)	0830		..	..	..	- 2.0	- 5.0	-12.3	2.2	47	..	2.1	..	2.9	0	0	30	01	0	2	1	2	1	18	5	1	0
	1130		..	..	..	3.7	- 0.3	- 7.2	3.3	45	..	3.0	..	3.0	0	0	31	00	0	8	1	2	5	15	0	0	0
	1730		..	..	..	1.3	- 2.5	- 9.9	2.8	46	..	3.4	..	2.9	0	0	30	02	0	3	0	0	2	17	6	1	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - DECEMBER, 1969 AGRAHAYANA 10 - PAUSA 10, 1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of mean standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry bulb	Mean temperature in °C Wet bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 0 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN, WEST																											
GANGANAGAR	0530	177	1018.2	996.7	..	7.5	6.0	4.0	8.2	79	..	0.5	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	0830	177	1019.8	998.2	+1.1	7.7	6.3	4.0	8.2	78	+ 3	1.1	-0.6	0.3	0	0	4	00	1	1	1	0	1	0	0	27	0
	1130	177	1019.6	999.0	..	19.4	12.3	4.5	8.5	38	..	1.1	..	0.7	0	0	10	00	1	2	5	1	0	1	0	21	0
	1730	177	1016.0	995.7	+0.6	22.4	14.6	7.5	10.5	39	- 4	1.3	-0.5	0.1	0	0	1	01	0	0	0	0	0	0	0	30	0
	2330	177	1018.5	997.3	..	11.0	8.4	5.3	9.0	68	..	0.0	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
ANUPGARH	0830		(R)																								
	1730		(R)																								
CHURU	0830	291	1020.5	985.3	+1.2	8.0	5.2	1.0	6.7	62	-11	0.9	-1.5	1.0	0	0	10	00	0	3	4	2	1	0	0	21	0
	1730	291	1015.9	982.6	+0.9	23.5	15.2	7.4	10.6	37	- 6	1.3	-1.5	2.9	0	0	25	20	2	1	0	0	0	2	0	6	0
BIKANER	0830	224	1019.7	992.8	+1.2	10.6	6.0	- 1.3	5.7	44	-15	1.5	+0.2	1.4	0	0	12	01	2	1	2	5	1	0	0	19	0
	1730	224	1015.7	990.0	+0.9	24.0	14.5	4.9	9.0	30	- 7	2.0	+0.4	2.5	0	0	19	08	8	0	0	0	1	0	2	12	0
BIKANER P.B.O.	0530	224	1018.0	991.1	..	6.7	3.5	- 1.9	5.6	55	..	0.4	..	0.6	0	0	4	01	2	1	0	0	0	0	0	27	0
	1130	224	1018.8	993.0	..	22.3	12.0	- 1.3	5.7	22	..	1.2	..	2.6	0	0	21	01	6	1	5	5	1	1	1	10	0
	1430	224	1022.3	990.6	..	26.1	13.5	- 2.1	5.3	16	..	1.1	..	3.2	0	0	24	06	5	2	0	1	1	5	4	7	0
	2030	224	..	..	..	14.7	9.0	1.6	7.0	42	..	0.1	..	0.6	0	0	3	02	1	0	0	0	0	0	0	28	0
	2330	224	1018.3	991.4	..	11.6	6.6	- 0.4	6.0	45	..	0.0	..	1.0	0	0	6	02	1	1	1	0	0	0	1	25	0
NAGAUR	0830	298	1019.8	984.5	+0.7	14.3	9.0	2.0	7.1	44	-10	2.0	+0.1	2.5	0	0	20	02	3	6	6	1	0	0	2	11	0
	1730	298	1015.2	981.3	+0.6	24.9	16.1	9.0	12.2	40	+ 1	1.7	-0.3	4.7	0	0	29	12	6	2	1	0	1	1	6	2	0
PHALODI	0830	234	1018.6	990.7	+0.5	12.3	6.6	- 2.3	5.1	37	-22	1.6	-0.2	1.6	0	0	14	00	2	3	3	5	1	0	0	17	0
	1730	234	1015.8	989.3	+1.2	25.9	14.6	2.6	7.5	22	-19	1.6	-0.3	5.3	0	0	27	09	10	4	0	0	1	0	3	4	0
JAISALMER	0830	242	1018.1	989.3	+0.0	11.7	7.3	1.2	6.9	50	- 6	0.5	-0.8	4.5	0	1	14	04	9	0	1	0	0	0	1	16	0
	1730	242	1014.4	987.1	+0.3	25.9	15.2	4.2	8.7	26	-15	0.7	-1.0	6.6	0	0	28	09	11	0	0	1	1	1	5	3	0
JODHPUR	0230	224	1016.6	990.2	..	15.8	9.0	- 0.3	6.1	34	..	0.8	..	11.7	0	0	31	09	21	1	0	0	0	0	0	0	0
	0530	224	1016.9	990.3	..	14.3	8.4	0.3	6.3	39	..	0.8	..	12.1	0	0	31	10	21	0	0	0	0	0	0	0	0
	0830	224	1018.6	992.0	+0.6	14.2	8.5	0.7	6.5	40	- 8	1.9	+0.2	11.9	0	0	31	06	24	1	0	0	0	0	0	0	0
	1130	224	1018.2	992.5	..	24.0	13.9	2.9	7.6	26	..	1.8	..	11.3	0	0	29	01	13	10	5	0	0	0	0	2	0
	1430	224	1014.7	989.5	..	29.0	16.3	3.7	8.1	20	..	2.0	..	10.5	0	0	30	02	8	8	5	1	0	1	1	1	4
	1730	224	1014.4	989.0	+0.4	26.9	16.0	5.7	9.3	26	+ 0	2.2	+0.3	9.1	0	1	28	08	14	2	0	0	0	2	1	2	2
	2030	224	1016.6	990.6	..	20.5	12.4	3.3	7.8	33	..	1.1	..	10.7	0	0	30	08	17	2	0	0	0	1	2	1	0
	2330	224	1017.1	990.9	..	18.1	10.5	0.8	6.6	32	..	0.7	..	12.2	0	1	29	10	20	0	0	0	0	0	0	1	0
BARMER	0530	194	1015.5	992.6	..	15.8	10.2	3.6	7.9	44	..	0.8	..	5.4	0	0	29	04	8	0	0	3	0	0	14	2	0
	0830	194	1017.3	994.4	+0.0	15.6	10.1	3.7	8.0	45	- 6	1.3	-0.2	4.2	0	0	26	05	1	0	0	0	0	0	20	5	0
	1130	194	1017.5	995.2	..	22.7	13.9	5.1	8.6	32	..	1.4	..	3.9	0	0	23	10	12	0	0	0	0	0	1	8	0
	1730	194	1013.6	991.6	-0.3	27.1	16.2	6.2	9.6	27	- 4	1.6	-0.2	3.5	0	0	18	07	7	1	2	0	0	0	1	13	0
	2330	194	1016.3	993.6	..	18.6	12.2	5.5	9.1	43	..	0.2	..	5.4	0	0	28	05	2	1	0	0	1	0	19	3	0
JAWAI BANDH	0830	295	1018.1	983.6	+0.6	15.9	12.0	7.6	10.8	59	-17	2.3	-0.1	1.4	0	0	14	01	0	0	6	4	3	0	0	17	0
	1730	295	1014.1	980.7	+0.4	25.2	16.3	8.7	11.4	36	-12	2.8	+0.3	0.9	0	0	9	02	1	1	2	1	1	0	1	22	0
JALORE	0830		..	..	..	15.5	8.8	- 0.5	6.0	34	..	1.1	..	2.4	0	0	21	02	3	0	4	0	1	1	10	10	0
	1730		..	..	..	27.1	15.6	4.5	8.5	24	..	1.0	..	2.8	0	0	21	06	4	1	1	0	0	1	8	10	0
RAJASTHAN, EAST																											
PILANI	0830	301	1019.5	983.9	-0.2	12.0	7.0	- 0.1	6.2	45	-11	0.8	-0.2	3.4	0	0	30	01	0	4	6	10	8	1	0	1	0
	1730	301	1015.6	981.3	-0.3	22.7	13.1	2.2	7.3	27	- 8	1.0	-0.1	3.3	0	0	26	08	8	1	2	0	0	2	5	5	0
SIKAR	0830	433	1019.3	968.8	+1.5	12.8	8.3	2.2	7.2	49	-23	0.5	-1.2	0.4	0	0	6	00	0	0	0	0	0	4	2	25	0
	1730	433	1014.8	966.0	+0.6	23.7	14.9	6.4	10.0	35	-19	0.7	-1.6	0.2	0	0	3	00	0	0	0	0	0	3	0	28	0
ALWAR	0830	271	1019.5	986.9	+1.1	10.1	8.3	6.2	9.6	77	-11	1.7	-0.8	0.1	0	0	1	00	0	0	0	0	0	1	0	30	0
	1730	271	1015.3	984.1	+0.2	20.5	14.3	8.6	11.5	48	-13	2.0	-0.6	0.1	0	0	1	00	0	0	0	0	0	0	1	30	0
JAIPUR (SANGANER)	0230	390	1017.5	971.4	..	11.6	7.6	2.2	7.2	54	..	1.0	..	5.9	0	0	24	03	17	2	0	0	0	0	2	7	0
	0530	390	1017.9	972.4	..	10.1	6.7	2.3	7.3	59	..	0.7	..	5.2	0	0	21	04	14	1	0	0	0	1	1	10	0
	0830	390	1018.9	973.3	+0.8	14.5	9.1	2.5	7.3	46	-10	1.4	+0.0	4.1	0	0	19	02	11	4	1	0	0	0	1	12	0
	1130	390	1018.1	973.7	..	22.6	12.7	1.0	6.6	24	..	1.7	..	7.4	0	0	29	00	4	12	5	3	3	2	0	2	0
	1430	390	1014.8	970.9	..	25.4	13.4	- 1.2	5.7	18	..	1.8	..	7.2	0	0	28	02	4	2	4	6	3	4	3	3	0
	1730	390	1014.8	970.5	+0.5	22.7	13.0	2.2	7.3	27	- 8	2.1	-0.3	3.9	0	0	23	00	2	5	2	4	2	6	2	8	0
	2030	390	1017.4	972.0	..	15.5	9.7	2.7	7.5	43	..	1.2	..	5.3	0	0	24	02	8	4	1	0	0	1	8	7	0
	2330	390	1017.8	972.1	..	13.6	8.5	2.0	7.1	46	..	1.0	..	5.6	0	0	23	04	13	3	0	0	0	0	3	8	0
DHOLPUR	0830	176	1020.2	999.2	+1.8	12.3	9.2	5.7	9.2	65	- 6	0.4	-1.8	0.3	0	0	5	00	0	0	0	1	0	2	2	26	0
	1730	176	1016.3	996.0	+1.5	22.2	14.3	6.8	9.9	37	-13	0.3	-2.1	0.4	0	0	5	00	0	0	0	0	0	4	1	26	0
AJMER	0830		(R)																								
	1730		(R)																								

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — DECEMBER, 1969 AGRAHAYANA 10 - PAUSA 10, 1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or Mt. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
RAJASTHAN EAST (CONTD)																											
TONK	0830	272	1018.5	986.3	+0.9	10.6	7.9	4.6	8.6	67	-10	1.2	-0.6	1.9	0	0	25	00	1	0	5	1	0	11	7	6	0
	1730	272	1014.3	983.2	+0.8	22.4	14.5	7.3	10.3	38	-17	1.9	-0.3	3.9	0	0	28	01	1	3	5	2	3	7	6	3	0
BHILWARA	0830	425	1019.5	969.7	..	12.3	9.2	5.7	9.4	65	..	2.5	..	1.9	0	0	18	06	5	0	1	0	1	1	4	13	0
	1730	425	1014.4	966.8	..	24.2	17.7	12.6	15.0	49	..	2.1	..	2.4	0	0	25	00	20	2	1	2	0	0	0	3	0
KOTA	0830	257	1019.1	988.8	+0.8	14.1	11.8	7.5	10.5	65	+ 4	1.9	+0.3	0.1	0	0	1	00	1	0	0	0	0	0	0	30	0
	1730	257	1015.0	985.8	+0.9	24.5	15.7	7.8	10.6	35	+ 0	1.7	-0.1	0.1	0	0	2	00	0	0	1	0	0	0	1	29	0
KOTA AERODROME	0530	274	1017.4	985.0	..	13.0	8.5	2.8	7.6	50	..	0.9	..	1.7	0	0	20	00	1	3	1	2	9	4	0	11	0
	0830	274	1019.4	987.1	..	14.9	9.6	3.2	7.8	46	..	1.6	..	0.7	0	0	8	01	0	2	0	0	2	2	1	23	0
	1130	274	1018.9	987.3	..	21.8	13.2	4.0	8.3	32	..	1.3	..	3.2	0	0	24	03	11	9	1	0	0	0	0	7	0
	1730	274	1015.1	983.9	..	24.1	13.7	2.2	7.3	24	..	2.1	..	2.7	0	0	23	00	16	7	0	0	0	0	0	8	0
	2330	274	1017.8	985.7	..	16.0	9.5	1.3	6.8	37	..	0.8	..	3.0	0	0	26	01	2	1	2	1	15	3	1	5	0
CHAMBAL (RAWAT BHATTA DAM)	0830	351	1019.2	977.7	+0.1	12.8	9.8	6.6	9.8	67	- 5	1.2	-0.6	0.3	0	0	3	00	1	0	1	0	0	0	1	28	0
	1730	351	1015.3	974.7	+0.4	24.6	14.9	5.3	9.2	30	-10	1.5	-0.6	3.2	0	0	28	00	22	1	4	0	0	0	1	3	0
UDAIPUR	0230	582	1018.3	951.5	..	11.7	9.5	7.4	10.4	75	..	0.4	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	0530	582	1018.5	950.4	..	10.3	8.5	6.6	9.9	78	..	0.6	..	0.1	0	0	1	00	0	0	0	0	1	0	0	30	0
	0830	582	1020.1	952.5	+1.1	13.0	9.8	6.7	9.9	66	+ 3	1.7	+0.2	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1130	582	1017.6	952.4	..	23.5	15.1	8.4	11.1	39	..	1.4	..	2.6	0	0	20	01	3	7	6	2	0	1	0	11	0
	1730	582	1014.2	946.1	-2.6	23.8	15.8	9.7	12.2	42	+ 2	2.5	+0.5	1.0	0	0	9	01	1	6	1	0	0	0	0	22	0
	2330	582	1018.5	951.5	..	13.3	10.6	8.1	10.8	71	..	0.4	..	0.1	0	0	1	00	1	0	0	0	0	0	0	30	0
JHALAWAR	0830	321	1019.5	981.7	+1.4	13.4	9.8	5.9	9.4	61	- 4	1.1	-0.2	0.3	0	0	2	01	0	0	0	0	0	1	0	29	0
	1730	321	1014.2	978.0	+0.9	24.7	14.5	4.0	8.3	27	- 7	2.0	+0.6	1.0	0	0	8	03	4	0	0	0	1	0	0	23	0
BANSWARA	0830	220	1017.3	991.6	..	17.3	9.5	- 1.0	5.6	28	..	0.4	..	4.1	0	0	31	04	0	3	23	1	0	0	0	0	0
	1730	220	1012.9	988.4	..	27.9	15.9	4.3	8.3	22	..	0.6	..	3.5	0	0	28	03	5	5	3	0	0	1	11	3	0
DUNGARPUR	0830		..	..	..	15.7	11.9	8.1	11.0	61	..	1.8	..	0.1	0	0	2	00	0	2	0	0	0	0	0	29	0
	1730		..	..	..	26.2	16.5	8.1	11.0	32	..	1.9	..	0.3	0	0	5	00	0	5	0	0	0	0	0	26	0
BUNDI	0830		(R)																								
	1730		(R)																								
SAWAI MADHOPUR	0830		(R)																								
	1730		(R)																								
MADHYA PRADESH, WEST																											
GWALIOR	0230	207	1017.7	992.8	..	8.6	6.3	3.2	7.8	70	..	0.8	..	0.9	0	0	9	00	0	0	4	5	0	0	0	22	0
	0530	207	1018.1	993.0	..	7.2	5.5	3.1	7.8	76	..	0.7	..	1.2	0	0	11	00	0	0	6	4	1	0	0	20	0
	0830	207	1019.7	993.3	-0.5	12.1	8.5	4.0	8.3	59	- 3	1.7	+0.1	1.1	0	0	11	01	0	0	3	5	1	0	1	20	0
	1130	207	1018.7	994.9	..	22.5	13.3	3.3	8.0	30	..	1.5	..	6.0	0	0	30	06	10	2	5	3	1	0	3	1	0
	1430	207	1015.7	992.1	..	24.6	13.9	2.9	7.3	24	..	1.7	..	6.9	0	0	28	10	5	2	0	1	0	0	10	3	0
	1730	207	1015.6	991.6	+0.8	21.5	13.9	6.7	9.9	39	+ 0	1.6	-0.3	2.4	0	0	19	09	5	1	0	0	0	0	4	12	0
	2030	207	1017.9	993.3	..	13.1	9.5	5.3	9.0	60	..	0.6	..	0.4	0	0	4	00	0	0	1	1	1	0	1	27	0
	2330	207	1018.3	993.5	..	10.2	7.4	3.8	8.1	65	..	0.6	..	0.7	0	0	6	00	0	0	2	4	0	0	0	25	0
SHEOPUR	0830	235	1019.2	991.1	+0.5	12.5	9.2	5.5	9.2	63	- 7	1.5	-0.5	1.5	0	0	12	02	1	0	3	6	0	0	0	19	0
	1730	235	1014.6	987.8	+0	..	..	..	..	.	..	1.9	-0.5	2.9	0	0	21	14	1	0	1	0	0	2	3	10	0
SHIVPURI	0830	464	1019.0	964.7	..	13.0	9.8	6.6	9.8	66	..	1.5	..	1.0	0	0	9	01	2	1	0	2	3	0	0	22	0
	1730	464	1014.6	962.0	..	21.3	13.0	5.2	9.0	36	..	1.2	..	1.3	0	0	10	02	4	4	0	0	0	0	0	21	0
NOWGONG	0830	229	1020.2	992.9	+1.3	12.1	10.3	8.3	11.1	78	- 1	1.5	+0.0	1.0	0	0	13	00	0	0	0	7	6	0	0	18	0
	1730	229	1016.0	989.8	+1.5	21.6	15.4	10.2	12.5	49	+ 7	1.9	+0.4	1.2	0	0	15	11	3	1	0	0	0	0	0	16	0
GUNA	0530	478	1018.7	962.1	..	9.3	7.2	4.9	8.9	74	..	1.2	..	1.7	0	0	19	00	0	12	7	0	0	0	0	12	0
	0830	478	1019.6	963.7	+0.9	13.5	9.4	5.2	8.9	58	- 8	1.7	+0.1	2.5	0	0	21	01	1	12	5	2	0	0	0	10	0
	1130	478	1018.2	964.1	..	22.5	12.8	3.3	7.7	29	..	1.7	..	4.5	0	0	27	02	2	14	4	3	1	1	0	4	0
	1430	478	1015.0	961.3	..	24.4	13.6	3.1	7.6	25	..	1.9	..	3.4	0	0	29	09	8	3	6	0	0	0	3	2	0
	1730	478	1014.9	961.0	+1.1	22.6	13.4	5.1	8.8	32	- 4	2.3	+0.6	2.2	0	0	27	04	7	12	1	0	0	0	3	4	0
	2330	478	1018.9	962.8	..	12.0	8.8	5.4	9.1	65	..	0.7	..	2.2	0	0	17	01	0	9	5	0	0	2	0	14	0
NIMACH	0830	496	1019.5	962.2	+1.3	15.8	10.1	4.2	8.4	47	- 4	1.9	+0.1	2.8	0	0	24	02	12	10	0	0	0	0	0	7	0
	1730	496	1014.7	959.3	+1.0	24.4	13.5	2.9	7.6	25	- 4	2.5	+0.3	3.0	0	0	25	00	13	7	4	1	0	0	0	6	0
RAJGARH	0830	382	1019.2	974.1	+0.7	11.6	9.4	6.6	10.0	71	+ 5	1.4	-0.3	0.3	0	0	5	02	1	0	0	1	0	0	1	26	0
	1730	382	1014.2	971.2	+0.8	24.6	14.8	5.2	9.0	29	- 6	2.0	+0.1	4.1	0	0	27	11	10	3	3	0	0	0	0	4	0
SAGAR	0830	551	1018.4	955.5	+1.3	18.1	13.5	9.5	12.0	58	+11	1.9	-0.1	5.9	0	0	31	00	8	8	0	0	5	7	3	0	0
	1730	551	1014.3	952.3	+0.9	21.6	15.3	10.6	13.0	51	+14	1.4	-0.4	7.6	0	0	31	00	12	13	0	0	3	3	0	0	0
RATLAM	0830	486	1018.5	962.0	+0.5	14.9	11.6	8.9	11.4	68	+10	2.3	+0.3	6.9	0	0	31	01	16	14	0	0	0	0	0	0	0
	1730	486	1013.6	959.4	+0.8	25.5	18.2	13.5	15.7	48	+13	2.1	-0.3	6.1	0	1	28	05	10	13	0	0	0	1	0	2	0
BHOPAL (BAIRAGARH)	0230	523	1016.8	956.2	..	14.1	9.8	5.4	9.2	58	..	1.5	..	4.0	0	0	19	03	9	3	3	1	0	0	0	12	0
	0530	523	1017.3	956.4	..	12.8	9.2	5.3	9.1	62	..	1.6	..	3.5	0	0	17	03	7	3	4	0	0	0	0	14	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — DECEMBER,1969AGRAHAYANA 10 - PAUSA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA PRADESH. WEST(CONTD)																											
BHOPAL(BAIRAGARH)...............	0830	523	1018.9	958.5	+0.8	15.5	10.5	5.5	9.2	53	- 6	2.4	+0.8	5.2	0	0	21	02	8	6	5	0	0	0	0	0	0
	1130	523	1017.5	958.5	..	22.5	13.5	5.3	9.0	34	..	2.4	..	8.3	0	0	27	01	6	12	8	0	0	0	0	4	0
	1430	523	1014.2	955.8	..	24.6	14.3	4.8	8.9	29	..	2.5	..	6.5	0	0	25	02	10	8	5	0	0	0	0	6	0
	1730	523	1014.3	955.6	+0.9	22.7	13.7	5.6	9.3	34	- 5	2.7	+1.0	4.2	0	0	26	06	17	3	0	0	0	0	0	5	0
	2030	523	1017.0	957.3	..	18.1	11.7	5.4	9.1	43	..	2.1	..	5.4	0	0	23	03	14	6	0	0	0	0	0	8	0
	2330	523	1017.6	957.2	..	15.6	10.7	5.9	9.4	53	..	1.7	..	4.3	0	0	19	05	11	2	1	0	0	0	0	12	0
UJJAIN........................	0830	489	1019.7	962.0	..	11.9	9.8	7.9	10.8	78	..	2.4	..	0.3	0	0	4	00	2	2	0	0	0	0	0	27	0
	1730	489	1014.0	959.1	..	23.8	15.1	7.9	10.9	37	..	2.5	..	3.0	0	0	20	00	10	9	0	0	0	0	1	11	0
NARSINGHPUR...................	0830	356	1019.6	977.4	..	11.5	8.5	5.1	9.0	65	..	1.6	..	1.1	0	0	14	01	7	2	4	0	0	0	0	17	0
	1730	356	1014.1	974.0	..	24.9	15.2	5.9	9.6	31	..	1.4	..	0.6	0	0	7	00	6	0	0	0	1	0	0	24	0
HOSHANGABAD...................	0830	302	1019.4	983.9	+1.5	15.2	11.1	6.4	10.1	58	- 4	2.2	+0.5	3.9	0	0	31	00	1	0	7	0	14	0	9	0	0
	1730	302	1014.4	980.2	+1.4	24.8	15.3	6.2	9.8	32	- 5	1.8	-0.2	3.8	0	0	31	00	0	0	4	0	14	0	13	0	0
INDORE........................	0530	567	1017.0	951.1	..	12.2	9.4	6.4	9.9	69	..	1.5	..	2.6	0	0	13	00	2	6	0	5	0	0	0	18	0
	0830	567	1018.6	953.2	+1.1	15.3	11.2	7.2	10.4	60	+ 3	2.1	+0.6	2.1	0	0	9	00	3	6	0	0	0	0	0	22	0
	1130	567	1016.7	953.3	..	23.8	15.7	9.0	12.2	42	..	2.1	..	9.9	0	0	30	00	5	17	3	4	0	0	0	1	1
	1730	567	1013.7	950.4	+1.1	23.5	15.7	9.2	12.2	43	+11	2.2	+0.4	7.9	0	0	28	02	19	3	1	0	2	1	0	3	0
	2330	567	1017.4	952.1	..	15.0	10.8	6.7	10.1	59	..	1.2	..	3.6	0	0	16	00	4	9	0	3	0	0	0	15	0
RAJPUR(JHABUA)................	0830	293	1018.1	983.8	+0.3	15.2	11.7	8.0	11.1	62	- 5	1.7	-0.4	0.8	0	0	5	00	0	4	1	0	0	0	0	26	0
	1730	293	1013.3	980.5	+0.7	26.9	16.2	6.2	9.9	28	- 6	1.7	-0.4	1.2	0	0	7	00	2	3	1	0	0	1	0	24	0
CHHINDWARA....................	0830	685	1018.7	940.2	+0.5	13.1	9.4	5.7	9.3	62	- 3	1.5	+0.0	6.2	0	0	30	00	1	7	8	0	2	3	9	1	0
	1730	685	1012.9	937.3	+0.4	24.3	14.5	6.1	9.6	32	- 3	2.0	+0.0	3.0	0	0	30	01	2	0	3	0	0	1	23	1	0
SEONI.........................	0830	619	1018.8	947.9	+1.2	15.8	10.6	5.4	9.2	51	-10	1.6	+0.0	3.0	0	0	18	06	6	2	0	0	1	0	3	13	0
	1730	619	1013.5	944.8	+0.8	23.8	13.5	3.4	8.1	27	-14	1.2	-0.7	7.2	0	1	30	04	4	12	5	5	1	0	0	0	0
BETUL.........................	0830	653	1018.1	943.5	+0.0	16.0	11.0	6.1	9.6	53	-10	1.8	+0.3	1.2	0	0	17	00	8	1	8	0	0	0	0	14	0
	1730	653	1013.4	940.8	+0.4	22.8	14.3	6.9	10.2	37	- 3	2.1	+0.1	2.6	0	0	28	07	11	4	1	1	1	0	3	3	0
KHANDWA.......................	0830	318	1018.3	981.1	+1.1	15.5	12.1	8.9	11.6	65	+ 7	2.0	+0.5	1.7	0	0	16	02	5	7	0	1	1	0	0	15	0
	1730	318	1012.6	977.2	+0.8	26.7	18.9	13.6	15.7	45	+13	1.8	+0.0	3.6	0	0	29	05	18	2	2	2	0	0	0	2	0
TIKAMGARH.....................	0830	346	1020.4	979.3	..	11.7	9.4	6.7	10.0	72	..	1.5	..	5.2	0	0	30	03	1	1	1	24	0	0	0	1	0
	1730	346	1016.0	976.4	..	21.1	15.1	10.0	12.5	50	..	1.8	..	5.4	0	0	31	19	7	1	2	1	1	0	0	0	0
SHAJAPUR......................	0830	446	..	..	..	13.5	10.4	7.1	10.2	65	..	2.2	..	2.7	0	0	23	01	3	7	6	1	0	1	2	8	2
	1730	446	..	..	..	23.4	14.9	6.9	10.2	36	..	2.0	..	4.9	0	0	28	03	7	14	2	0	0	1	1	3	0
KANNOD........................	0830	353	1020.5	978.9	..	12.7	10.0	7.1	10.2	70	..	1.5	..	2.4	0	0	31	05	6	2	0	0	3	5	10	0	0
	1730	353	1015.5	975.8	..	25.5	15.7	6.6	10.0	31	..	1.5	..	3.0	0	0	31	07	8	2	5	2	2	3	2	0	0
KHARGONE......................	0830	251	1018.0	988.3	..	15.0	11.3	7.4	10.7	61	..	2.4	..	2.2	0	0	24	01	4	5	1	6	6	1	0	7	0
	1730	251	1013.5	985.2	..	27.3	17.2	8.8	11.6	32	..	2.4	..	4.4	0	0	31	12	15	4	0	0	0	0	0	0	0
BHIND.........................	0830	168	..	..	..	11.3	9.6	7.8	10.7	80	..	0.9	..	4.6	0	0	31	03	0	1	0	0	4	14	9	0	0
	1730	168	..	..	..	21.6	17.1	13.7	15.8	62	..	0.9	..	3.0	0	0	31	11	3	0	0	1	5	6	5	0	0
MADHYA PRADESH, EAST																											
SATNA.........................	0530	317	1017.9	980.0	..	9.2	8.1	6.9	10.1	86	..	0.8	..	0.3	0	0	3	00	0	0	0	0	0	3	0	28	0
	0830	317	1019.8	982.3	+1.4	13.4	10.3	7.2	10.3	67	+ 0	1.3	-0.1	1.5	0	0	16	00	1	0	0	2	1	10	2	15	0
	1130	317	1017.9	981.5	..	21.8	13.7	5.7	9.2	36	..	1.5	..	4.3	0	0	25	04	2	5	3	0	2	3	6	6	0
	1430	317	1014.7	978.8	..	24.5	14.4	4.0	8.3	27	..	1.5	..	4.1	0	0	27	07	4	1	0	0	0	6	9	4	0
	1730	317	1015.5	979.1	+0.7	20.7	13.8	7.2	10.0	42	- 4	1.4	-0.2	2.6	0	0	26	19	1	0	0	0	0	0	6	5	0
	2330	317	1018.2	980.7	..	12.8	10.3	7.6	10.6	71	..	0.8	..	0.8	0	0	10	02	1	0	0	1	2	3	1	21	0
REWA..........................	0830	299	1019.8	984.3	..	12.5	11.1	9.7	12.2	84	..	1.6	..	0.8	0	0	10	00	0	0	0	1	5	2	2	21	0
	1730	299	1015.5	981.3	..	21.6	18.5	16.2	18.6	73	..	1.7	..	0.4	0	0	5	03	1	0	0	0	0	0	1	26	0
SIDHI.........................	0830	272	1019.3	987.2	+1.1	13.8	11.6	9.5	12.0	76	+ 5	0.0	-0.9	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	272	1014.4	983.2	+0.3	21.3	17.0	13.8	16.0	63	+17	0.1	-1.2	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
UMARIA........................	0830	459	1020.0	966.1	+1.4	11.9	8.8	5.6	9.3	66	- 2	1.9	+0.4	0.6	0	0	9	00	0	4	2	2	1	0	0	22	0
	1730	459	1014.7	962.7	+1.0	21.1	14.4	9.0	11.7	46	- 3	2.4	+0.7	0.8	0	0	13	03	0	0	1	1	0	0	8	18	0
JABALPUR......................	0530	393	1018.1	971.5	..	9.5	8.2	6.7	10.0	83	..	0.7	..	0.5	0	0	6	00	1	0	3	2	0	0	0	25	0
	0830	393	1019.8	973.8	+1.5	13.9	10.5	7.0	10.2	63	- 9	1.7	+0.3	1.6	0	0	19	01	0	0	12	3	2	0	1	12	0
	1130	393	1017.5	973.0	..	23.0	15.2	8.2	11.0	39	..	1.8	..	3.2	0	0	25	04	6	1	4	1	3	1	5	6	0
	1430	393	1014.1	970.1	..	25.8	16.2	7.9	10.8	33	..	2.1	..	5.2	0	0	31	09	14	1	1	0	1	0	5	0	0
	1730	393	1014.7	970.1	+1.1	21.9	15.7	10.5	12.8	48	+ 5	2.1	+0.4	1.0	0	0	11	04	4	1	0	0	0	0	2	20	0
	2030	393	1017.5	971.9	..	15.9	12.8	9.9	12.3	68	..	0.7	..	0.9	0	0	8	00	6	1	0	0	0	0	1	23	0
	2330	393	1018.0	971.9	..	13.1	10.8	8.6	11.3	75	..	0.4	..	0.6	0	0	7	00	1	2	3	1	0	0	0	24	0
AMBIKAPUR.....................	0830	611	1020.0	949.2	+0.8	12.7	9.8	7.0	10.2	69	- 6	1.4	+0.5	0.5	0	0	6	03	0	1	0	1	0	1	0	25	0
	1730	611	1014.5	946.0	+0.5	20.8	13.1	6.0	9.6	39	- 9	1.6	+0.4	4.5	0	0	31	22	0	1	0	0	0	8	0	0	0
JASHPURNAGAR..................	0830	779	1018.7	930.3	..	15.0	10.7	6.5	9.9	57	..	0.9	..	0.4	0	0	5	01	1	0	1	0	0	0	2	26	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS — DECEMBER,1969AGRAHAYANA 10 - PAUSA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	Wind Speed (Km. p. h.) 62 or more	Wind Speed (Km. p. h.) 20 to 61	Wind Speed (Km. p. h.) 1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SAURASHTRA AND KUTCH(INCLUDING DIU)																											
VERAVAL	2330	8	1014.8	1013.9	..	20.7	17.3	14.6	16.9	69	..	0.6	..	9.6	0	1	24	05	15	1	0	0	0	1	3	6	0
DIU	0830	15	1016.1	1014.3	..	22.5	15.5	9.3	11.9	44	..	2.3	..	6.7	0	0	31	13	18	0	0	0	0	0	0	0	0
	1730	15	1012.9	1011.2	..	26.5	21.7	19.0	22.0	64	..	2.1	..	9.7	0	1	28	00	1	19	6	5	0	0	0	1	0
KONKAN(INCLUDING GOA)																											
DAHANU	0530	5	1012.2	1011.7	..	20.6	18.5	17.2	19.0	80	..	1.4	..	5.0	0	0	21	00	2	11	8	0	0	0	0	10	0
	0830	5	1014.1	1013.6	-0.6	22.7	19.4	17.4	20.1	73	+ 6	2.0	+0.5	5.7	0	0	25	01	2	13	9	0	0	0	0	6	0
	1130	5	1014.3	1013.8	..	29.0	24.4	22.0	26.7	67	..	1.7	..	8.3	0	1	29	03	2	7	8	0	0	1	9	1	0
	1730	5	1011.8	1011.3	-0.2	27.1	25.0	24.0	29.7	83	+12	2.3	+1.0	13.2	0	6	25	24	1	0	0	0	0	0	6	0	0
	2330	5	1013.4	1012.9	..	22.9	20.5	19.1	22.1	80	..	1.2	..	3.5	0	0	17	01	6	6	4	0	0	0	0	14	0
BOMBAY(SANTACRUZ)	0230	14	1012.2	1010.5	..	22.1	18.1	15.2	17.5	66	..	1.2	..	3.7	0	1	8	00	4	5	0	0	0	0	0	22	0
	0530	14	1012.3	1010.6	..	21.6	17.3	14.0	16.3	63	..	1.5	..	8.8	0	1	25	01	10	15	0	0	0	0	0	5	0
	0830	14	1014.3	1012.6	-0.6	24.5	17.9	12.9	15.2	50	-12	2.4	+1.0	8.2	0	0	27	00	12	13	1	0	0	0	1	4	0
	1130	14	1014.5	1012.8	..	30.6	20.2	13.0	15.3	35	..	2.1	..	10.0	0	2	27	00	8	16	4	0	0	0	1	2	0
	1430	14	1011.4	1009.8	..	32.0	21.3	14.2	16.6	36	..	2.4	..	11.0	0	1	29	00	5	3	3	0	0	14	7	1	0
	1730	14	1011.3	1009.7	-0.5	28.8	21.7	17.5	20.1	51	+ 1	2.4	+0.9	12.8	0	5	26	02	2	0	0	0	0	3	24	0	0
	2030	14	1013.1	1011.5	..	25.7	21.0	18.2	21.0	63	..	1.3	..	13.7	0	4	27	05	0	1	0	0	0	1	24	0	0
	2330	14	1013.5	1011.8	..	23.0	19.2	16.8	19.1	68	..	1.2	..	2.4	0	0	11	04	2	3	0	0	0	0	2	20	0
BOMBAY	0830	11	1014.2	1013.0	-0.2	24.2	20.2	17.7	20.4	68	- 2	2.0	+0.7	9.1	0	0	31	01	13	15	2	0	0	0	0	0	0
	1130	11	1014.4	1013.2	..	29.6	21.7	17.1	19.5	48	..	1.9	..	8.5	0	0	31	01	13	15	2	0	0	0	0	0	0
	1730	11	1011.2	1010.0	-0.3	28.4	22.8	19.7	23.2	60	- 4	2.2	+0.7	11.4	0	1	30	04	1	0	0	0	0	2	24	0	0
ALIBAG	0830	7	1014.0	1013.2	-0.6	23.1	19.1	16.5	18.9	67	- 1	2.5	+1.0	4.6	0	0	30	00	7	20	3	0	0	0	0	1	0
BHIRA	0830	96	1013.7	1002.8	..	24.7	17.1	10.8	12.8	42	..	1.2	..	5.0	0	0	27	01	12	5	3	2	2	1	1	4	0
	1730	96	1009.8	999.1	..	31.0	21.2	14.7	16.6	39	..	1.6	..	0.7	0	0	8	00	0	2	3	1	1	0	1	23	0
HARNAI	0830	20	1013.5	1011.2	-0.5	26.9	19.2	14.6	16.8	50	- 7	0.4	-1.7	15.2	0	8	23	01	2	22	2	1	1	1	1	0	0
	1730	20	1010.8	1008.5	-0.4	28.8	22.8	19.6	25.5	58	-10	0.7	-1.1	17.3	0	10	21	00	0	0	0	1	0	1	29	8	0
RATNAGIRI	0830	35	1013.7	1009.7	-0.4	24.8	19.4	15.9	18.2	59	- 2	1.8	-0.2	12.4	0	7	24	00	2	16	12	0	1	0	0	0	0
	1730	35	1010.7	1006.7	-0.3	29.0	23.3	20.2	24.0	60	+ 2	1.7	-0.3	10.6	0	1	28	12	1	0	0	0	1	3	12	0	0
DEVGARH	0830	36	1013.5	1009.4	-0.6	24.2	19.8	16.9	19.5	64	- 3	3.2	+1.1	8.9	0	2	28	01	8	20	1	0	0	0	0	1	0
	1730	36	1010.1	1006.1	-0.5	29.7	23.4	20.1	23.5	57	- 3	3.0	+0.9	17.5	0	12	19	00	2	2	0	0	0	10	17	0	0
VENGURLA	0230	9	1012.2	1011.2	..	22.1	20.3	19.1	22.4	84	..	1.4	..	1.0	0	0	5	03	1	1	0	0	0	0	0	26	0
	0530	9	1011.7	1010.7	..	21.0	19.4	18.3	21.0	85	..	1.6	..	1.9	0	0	11	07	2	1	0	0	0	0	1	20	0
	0830	9	1013.9	1012.9	-0.4	23.9	20.3	18.2	20.9	71	+ 0	2.3	+0.7	1.5	0	0	11	04	4	2	0	0	0	0	1	20	0
	1130	9	1013.7	1012.7	..	30.9	22.0	16.6	19.1	43	..	2.4	..	4.7	0	0	26	02	12	8	0	0	2	1	1	5	0
	1730	9	1010.4	1009.4	-0.4	30.0	23.4	19.7	23.4	56	- 1	3.0	+1.3	3.7	0	0	23	02	2	0	0	0	7	12	0	8	0
	2330	9	1013.1	1012.1	..	23.4	21.2	19.8	23.4	81	..	1.7	..	1.4	0	0	10	08	0	1	1	0	0	0	0	21	0
PANJIM	0530	60	1011.1	1004.3	..	22.9	20.1	18.2	21.3	77	..	2.4	..	7.9	0	0	31	02	18	10	1	0	0	0	0	0	0
	0830	60	1013.2	1006.4	..	23.7	20.2	18.0	20.8	71	..	3.5	..	8.3	0	0	29	00	17	10	1	0	0	1	0	2	0
	1130	60	1013.1	1006.4	..	29.7	21.4	16.3	18.8	45	..	3.5	..	10.7	0	2	29	01	10	14	4	1	1	0	0	0	0
	1430	60	1010.0	1003.3	..	31.9	22.2	16.1	18.8	40	..	3.8	..	11.3	0	1	30	02	14	3	1	0	7	3	1	0	0
	1730	60	1009.8	1003.3	..	29.6	23.0	19.4	22.7	55	..	3.9	..	10.5	0	0	31	00	4	3	0	0	8	13	3	0	0
	2030	60	1012.2	1005.4	..	26.7	22.6	20.4	24.3	70	..	2.7	..	8.2	0	0	29	10	7	2	0	0	1	4	5	2	0
	2330	60	1012.7	1005.9	..	25.1	21.9	20.2	23.8	75	..	2.2	..	6.4	0	0	31	06	15	5	2	0	0	2	1	0	0
MORMUGAO	0530	62	1011.3	1004.2	..	24.5	20.5	18.0	20.9	68	..	2.4	..	9.5	0	1	30	00	5	26	0	0	0	0	0	0	0
	0830	62	1013.2	1006.2	-0.5	25.6	20.6	17.6	20.2	62	+ 0	3.3	+1.1	9.4	0	0	30	00	6	23	1	0	0	0	0	1	0
	1130	62	1013.2	1006.2	..	29.2	21.6	17.0	19.4	46	..	3.6	..	10.3	0	1	29	01	12	16	0	0	0	1	0	1	0
	1730	62	1009.8	1002.9	-0.1	29.4	23.3	20.0	23.5	58	- 2	3.9	+1.5	10.0	0	0	31	00	1	2	0	1	6	13	8	0	0
DABOLIM(NAVAL AIR STN.)	0530	52	1011.2	1005.3	..	23.3	19.7	17.3	20.0	70	..	2.4	..	10.7	0	1	28	00	17	12	0	0	0	0	0	2	0
	0830	52	1013.1	1007.3	..	25.4	20.4	17.4	19.9	62	..	3.6	..	11.9	0	3	28	01	15	15	0	0	0	0	0	0	0
	1130	52	1013.2	1007.5	..	29.9	21.9	17.1	19.7	47	..	3.3	..	15.2	0	5	26	00	9	19	2	0	1	0	0	0	0
	1730	52	1009.8	1004.1	..	29.6	22.9	19.1	22.4	55	..	3.8	..	12.1	0	0	30	00	3	1	0	1	5	14	6	1	0
	2330	52	1012.7	1006.9	..	25.5	22.1	20.1	23.8	73	..	2.5	..	6.7	0	0	19	06	8	4	0	0	0	0	1	12	0
MADHYA MAHARASHTRA																											
NANDURBAR	0830	206	1016.4	992.5	-0.3	19.9	13.3	6.6	9.9	43	- 7	.	..	6.3	0	2	29	00	13	3	14	1	0	0	0	0	0
	1730	206	1012.0	988.9	+0.1	28.2	17.4	8.2	11.1	29	-10	.	..	5.0	0	0	29	00	23	0	5	0	0	0	1	2	0
JALGAON	0830	201	1017.8	994.1	+1.1	16.7	12.1	7.2	10.4	54	- 9	2.2	+0.8	11.0	0	0	30	00	4	15	11	0	0	0	0	1	0
	1730	201	1012.9	990.2	+0.6	27.6	17.3	8.5	13.7	33	+ 2	1.9	+0.4	7.9	0	0	30	03	5	20	1	0	0	1	0	1	0
MALEGAON	0830	437	1014.9	966.9	+0.5	16.7	14.5	12.4	14.2	77	+21	2.2	+0.6	1.4	0	0	12	03	1	0	0	1	0	4	3	19	0
	1730	437	1011.9	963.4	+0.6	27.7	21.1	17.2	19.6	53	+23	1.9	-0.1	3.7	0	0	19	01	10	3	3	1	0	0	1	12	0
OZAR	0230	608	1015.3	945.6	..	14.8	10.8	7.0	10.1	60	..	1.6	..	2.6	0	0	10	00	2	4	1	0	0	1	2	21	0
	0530	608	1015.8	945.7	..	12.9	9.9	6.8	10.1	67	..	1.6	..	2.1	0	0	12	00	1	0	3	4	1	2	1	19	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - DECEMBER, 1969 AGRAHAYANA 10 - PAUSA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of mean standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mbs.	Relative Humidity %	Relative Humidity % Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.) 42 or more	20 to 41	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
MADHYA MAHARASHTRA (CONTD)																											
OZAR	0830	608	1017.0	947.6	..	16.8	11.9	7.3	10.4	54	..	2.5	..	2.3	0	0	13	01	2	4	2	3	0	0	1	18	0
	1130	608	1015.1	947.7	..	24.7	16.2	9.9	12.2	40	..	2.5	..	12.5	0	3	26	00	0	17	10	2	0	0	0	2	0
	1430	608	1011.4	944.8	..	27.3	17.1	9.4	12.0	33	..	2.3	..	11.0	0	1	28	00	1	11	11	6	0	0	0	2	0
	1730	608	1011.1	944.4	..	26.4	16.7	9.4	11.9	35	..	2.4	..	8.1	0	0	28	01	2	14	8	3	0	0	0	3	0
	2030	608	1014.6	946.2	..	20.2	14.0	8.8	10.9	48	..	1.7	..	5.7	0	0	20	01	6	6	3	0	0	1	2	11	1
	2330	608	1015.8	946.5	..	16.4	11.9	7.8	10.7	57	..	1.2	..	2.2	0	0	10	00	2	1	3	0	0	3	0	21	1
AHMADNAGAR	0830	657	1014.1	941.9	+0.0	16.8	12.3	8.1	11.1	58	+ 1	3.3	+1.5	1.0	0	0	5	00	0	0	1	1	0	0	3	26	0
	1730	657	1010.5	939.1	+0.6	27.1	17.6	10.7	13.5	38	+ 4	3.2	+1.2	7.1	0	0	25	00	15	4	6	0	0	0	0	6	0
POONA AERODROME	0230	593	1014.0	946.9	..	18.5	13.6	9.5	12.0	57	..	1.6	..	7.1	0	0	20	00	7	12	0	0	0	0	0	11	1
	0530	593	1014.3	946.8	..	17.2	12.7	8.8	11.4	58	..	1.6	..	5.8	0	1	14	01	10	4	0	0	0	0	0	16	0
	0830	593	1016.1	948.9	..	17.9	13.3	8.7	11.1	53	..	3.1	..	8.9	0	1	24	00	16	9	0	0	0	0	0	6	0
	1130	593	1014.6	948.9	..	25.5	16.9	10.5	13.0	40	..	2.9	..	18.7	0	12	18	00	4	22	3	0	0	0	0	1	1
	1730	593	1010.3	945.4	..	27.7	16.9	8.6	11.5	33	..	2.8	..	14.5	0	6	22	00	5	23	0	0	0	0	0	3	0
	2330	593	1014.3	947.7	..	20.6	14.4	9.4	11.4	49	..	1.5	..	9.3	0	0	27	00	9	16	0	0	1	1	0	4	0
POONA	0230	559	(R)																								
	0530	559	1015.3	951.0	..	14.4	11.4	8.6	11.5	69	..	1.6	..	0.0	0	0	0	00	0	0	0	0	0	0	0	30	0
	0830	559	1016.9	953.1	+0.5	17.6	13.3	9.6	12.2	60	- 3	3.0	+1.3	0.5	0	0	3	00	0	3	0	0	0	0	0	28	0
	1130	559	1014.9	952.8	..	25.2	17.0	11.0	13.6	42	..	2.8	..	5.2	0	0	25	00	0	16	9	0	0	0	0	6	0
	1430	559	1011.0	949.8	..	28.3	17.7	10.0	12.5	33	..	3.2	..	5.2	0	0	27	00	3	19	5	0	0	0	0	4	0
	1730	559	1010.9	949.5	+0.6	27.3	17.1	9.3	12.0	33	+ 0	3.0	+1.0	2.1	0	0	16	00	1	14	1	0	0	0	0	15	0
	2030	559	1014.2	951.3	..	21.4	14.8	9.5	11.9	47	..	1.8	..	0.3	0	0	2	00	0	2	0	0	0	0	0	29	0
	2330	559	1015.4	951.8	..	18.4	13.2	8.7	11.5	54	..	1.5	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
JEUR	0830	521	1016.9	957.5	+0.6	18.3	13.4	9.4	11.8	57	- 2	1.3	-0.3	2.3	0	0	31	00	19	9	3	0	0	0	0	0	0
	1730	521	1011.2	953.9	+0.6	27.8	18.1	11.2	13.7	37	+ 2	1.4	-0.6	3.0	0	0	31	02	6	22	0	1	0	0	0	0	0
BARAMATI	0830	551	1016.4	953.6	-0.2	17.5	13.6	10.5	12.7	64	- 2	1.7	+0.3	3.9	0	0	21	00	4	13	2	1	0	0	1	10	0
	1730	551	1010.1	949.8	-0.2	27.9	18.2	11.6	13.6	38	- 2	2.0	+0.0	7.7	0	0	30	01	1	15	7	4	1	1	0	1	0
SHOLAPUR	0530	479	1014.6	959.8	..	17.1	13.8	11.1	13.3	68	..	0.9	..	4.9	0	0	26	00	8	10	6	2	0	0	0	5	0
	0830	479	1016.7	962.3	+0.7	20.6	16.5	13.7	15.8	65	+11	1.9	+0.1	7.0	0	0	31	00	12	11	8	0	0	0	0	0	0
	1130	479	1014.7	961.6	..	26.0	19.0	14.7	16.8	51	..	2.5	..	9.9	0	2	29	02	5	7	12	5	0	0	0	0	0
	1430	479	1011.1	958.4	..	28.5	19.1	12.9	15.3	39	..	3.1	..	9.0	0	2	29	00	10	10	8	2	0	1	0	0	0
	1730	479	1011.1	958.2	+0.6	28.0	18.5	12.1	14.6	39	+ 7	2.7	+0.4	7.2	0	0	31	00	6	8	16	0	0	1	0	0	0
	2330	479	1015.1	960.7	..	20.2	14.9	10.5	13.1	55	..	1.0	..	8.1	0	0	31	01	5	17	8	0	0	0	0	0	0
MIRAJ	0830		..	..	..	21.3	17.4	14.9	16.7	68	+ 3	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	25.6	19.9	16.3	18.6	60	+24	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..
KOLHAPUR	0530	570	1013.7	949.0	+0.0	17.3	14.2	11.7	13.9	70	+34	1.7	-0.5	5.5	0	0	19	00	3	16	0	0	0	0	0	12	0
	0830	570	1015.6	951.1	-0.2	18.7	14.9	12.1	14.2	66	+ 6	3.6	+2.0	5.8	0	1	19	00	4	16	0	0	0	0	0	11	0
	1130	570	1014.3	951.1	..	24.7	18.3	14.1	16.3	52	..	3.9	..	16.8	0	11	20	00	5	25	1	0	0	0	0	0	0
	1730	570	1009.8	947.5	+0.1	27.7	17.9	10.8	13.4	37	+ 5	3.9	+1.6	12.2	0	3	26	00	5	24	0	0	0	0	0	2	0
	2330	570	1014.1	950.1	..	20.9	15.5	11.2	13.7	56	..	1.9	..	7.5	0	0	25	00	5	19	0	1	0	0	0	6	0
NASIK	0830		..	..	..	18.8	15.3	12.7	14.6	68	..	.	..	..	.	..	..	00	0	0	0	0	0	0	0	0	0
SANGLI	0830	549	1015.6	953.4	..	18.6	15.6	13.5	15.7	73	..	2.8	..	3.1	0	0	18	02	5	3	3	1	0	1	3	13	0
	1730	549	1009.6	949.5	..	27.8	19.0	13.4	15.4	42	..	3.0	..	6.5	0	0	29	00	8	13	6	1	0	0	1	2	0
SATARA	0830		(R)																								
	1730		(R)																								
MARATHWADA																											
AURANGABAD	0830	581	1017.6	951.7	+0.8	19.1	13.4	8.5	11.2	51	- 4	2.5	+0.7	4.9	0	0	31	01	5	24	1	0	0	0	0	0	0
	1730	581	1012.3	948.5	+1.0	27.2	16.4	7.7	10.8	30	- 3	2.8	+0.7	6.0	0	0	31	00	9	19	2	1	0	0	0	0	0
AURANGABAD (CHIKALTHAN)	0230	579	1016.1	949.1	..	13.0	9.3	5.5	9.1	61	..	1.8	..	1.2	0	0	3	00	1	2	0	0	0	0	0	28	0
	0530	579	1016.6	949.1	..	11.2	8.3	5.1	8.9	66	..	1.5	..	0.8	0	0	4	01	0	3	0	0	0	0	0	27	0
	0830	579	1017.2	951.2	+0.3	17.7	12.1	6.8	10.1	49	- 6	2.3	+0.7	3.0	0	0	9	00	2	3	4	0	0	0	0	22	0
	1130	579	1015.5	951.1	..	25.1	15.8	8.4	11.2	35	..	2.5	..	15.2	0	5	26	00	5	12	12	0	1	0	0	0	1
	1430	579	1011.7	948.1	..	27.5	16.4	7.7	12.5	29	..	2.6	..	15.0	0	7	23	01	9	13	7	0	0	0	0	1	0
	1730	579	1011.8	947.9	+0.3	26.4	15.8	7.3	10.2	30	- 9	2.9	+0.8	11.8	0	1	28	01	11	11	6	0	0	0	0	2	0
	2030	579	1015.7	949.8	..	17.9	12.0	6.6	9.7	48	..	2.0	..	3.9	0	0	10	02	5	2	1	0	0	0	0	21	0
	2330	579	1016.7	950.1	..	14.8	10.4	5.9	9.3	55	..	1.9	..	2.6	0	0	7	00	4	2	1	0	0	0	0	24	0
PARBHANI	0830	423	1017.6	968.9	+0.1	17.8	13.1	8.6	11.5	55	+ 0	2.6	+1.0	3.3	0	0	20	03	10	4	2	0	0	1	0	11	0
	1730	423	1012.4	965.4	+0.2	27.1	16.5	6.9	10.2	29	- 7	2.8	+0.7	4.8	0	0	27	02	9	14	2	0	0	0	0	4	0
NANDER	0830	358	1017.8	976.3	..	17.7	14.2	11.1	13.4	66	..	0.9	..	2.6	0	0	19	00	11	0	6	0	1	0	1	12	0
	1730	358	1012.4	972.5	..	27.4	18.7	12.1	14.5	40	..	1.8	..	5.2	0	0	22	00	14	0	8	0	0	0	0	9	0
BIR	0830	519	1017.6	958.0	..	16.4	13.7	11.6	13.7	73	..	2.5	..	0.2	0	0	1	00	1	0	0	0	0	0	0	30	0
	1730	519	1012.2	954.8	..	26.4	17.4	11.1	13.3	39	..	2.6	..	4.7	0	0	24	00	28	0	1	0	0	0	0	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - DECEMBER, 1969 AGRAHAYANA 10 - PAUSA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or lat. in gms. of normal standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry Bulb	Wet Bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
VIDARBHA																											
GONDIA	0830	313	1018.7	982.1	+0.2	15.9	12.3	8.8	11.6	63	- 5	1.6	+0.1	0.3	0	0	4	03	1	0	0	0	0	0	0	27	0
	1730	313	1013.9	978.7	+0.6	25.4	17.2	10.4	13.0	40	+ 0	2.1	+0.4	0.3	0	0	5	00	0	1	1	0	0	1	2	26	0
NAGPUR (SONEGAON)	0230	310	1016.1	979.7	..	14.5	11.3	7.9	10.9	65	..	1.5	..	2.1	0	0	21	15	1	0	0	0	0	0	5	10	0
	0530	310	1016.4	979.9	..	13.1	10.3	7.3	10.4	68	..	1.3	..	2.8	0	0	25	17	1	0	0	0	0	0	7	6	0
	0830	310	1018.4	982.4	+0.6	17.4	12.3	7.3	10.4	52	-12	2.3	+0.9	4.7	0	0	27	15	8	2	0	0	0	0	2	4	0
	1130	310	1016.9	981.7	..	25.2	15.8	7.2	10.5	33	..	2.1	..	7.2	0	0	29	03	10	11	4	1	0	0	0	2	0
	1430	310	1013.4	978.6	..	27.6	16.5	6.6	10.0	27	..	2.8	..	6.5	0	0	31	04	11	7	4	1	1	0	3	0	0
	1730	310	1013.7	978.6	+0.5	24.7	15.8	8.0	10.9	35	- 7	3.0	+1.0	5.1	0	0	30	01	7	16	5	1	0	0	0	1	0
	2030	310	1016.4	980.6	..	18.7	13.4	8.3	11.1	51	..	1.4	..	2.3	0	0	22	00	2	14	4	1	0	0	1	9	0
	2330	310	1016.9	980.7	..	16.0	12.0	8.0	10.9	59	..	1.1	..	3.2	0	0	22	16	2	1	1	0	1	0	1	9	0
AMRAOTI	0830	370	1017.5	975.1	+0.8	20.0	12.6	4.6	8.7	37	-13	1.5	+0.0	3.0	0	0	29	01	18	9	0	0	1	0	0	2	0
	1730	370	1012.9	971.6	+0.5	26.8	15.4	4.0	8.4	24	- 9	2.1	-0.1	3.5	0	0	30	04	4	9	11	1	0	1	0	1	0
AKOLA AERODROME	0230	309	1015.2	979.1	..	15.5	10.7	5.4	9.2	52	..	2.4	..	6.2	0	0	30	04	16	9	0	1	0	0	0	1	0
	0530	309	1015.5	979.2	..	13.9	9.9	5.3	9.1	57	..	2.5	..	6.4	0	0	31	02	6	21	1	1	0	0	0	0	0
	0830	309	1017.0	981.2	..	18.1	12.2	6.2	9.7	46	..	2.6	..	6.8	0	0	31	00	10	19	2	0	0	0	0	0	0
	1130	309	1016.1	981.3	..	26.3	16.6	8.2	11.0	32	..	2.4	..	6.2	0	0	31	03	11	15	1	0	1	0	0	0	0
	1430	309	1012.5	978.1	..	29.0	17.4	7.4	10.5	26	..	2.9	..	6.8	0	0	30	05	12	8	0	0	3	0	2	1	0
	1730	309	1012.2	977.6	..	27.3	16.5	6.8	10.1	28	..	3.3	..	6.5	0	0	31	11	15	4	0	0	0	0	1	0	0
	2030	309	1014.5	979.2	..	22.1	14.1	6.2	9.7	36	..	3.1	..	6.8	0	0	31	03	3	20	4	0	0	0	1	0	0
	2330	309	1015.3	979.6	..	18.7	12.4	5.7	9.4	43	..	2.4	..	6.7	0	0	30	01	9	7	6	5	0	0	2	1	0
AKOLA	0830	282	1018.1	985.2	+1.2	17.3	12.0	6.5	9.8	49	-11	1.5	-0.1	3.5	0	0	22	00	8	2	12	0	0	0	0	9	0
	1730	282	1012.9	981.3	+1.2	27.5	16.8	7.2	10.5	28	- 4	1.9	+0.2	5.4	0	0	31	01	22	2	5	0	0	0	1	0	0
BRAMHAPURI	0830	229	1018.4	991.5	+0.6	16.0	13.0	10.3	12.7	69	- 5	2.7	+0.8	2.7	0	0	23	12	5	1	0	0	0	1	4	8	0
	1730	229	1013.8	987.9	+0.5	26.0	16.8	8.9	11.8	35	- 6	2.8	+0.8	3.5	0	0	27	12	3	12	0	0	0	0	0	4	0
BULDANA	0830	650	1017.0	943.6	+0.7	18.9	12.6	7.1	10.2	46	- 7	2.1	+0.6	7.4	0	0	29	00	0	6	4	15	4	0	0	2	0
	1730	650	1012.4	940.7	+0.6	25.2	15.2	6.7	10.1	31	- 6	2.6	+0.8	4.3	0	0	28	08	15	3	2	0	0	0	0	3	0
YEOTMAL	0830	451	1017.0	965.5	+0.1	19.6	12.8	5.7	9.5	43	- 9	1.6	-0.2	7.4	0	0	31	04	15	8	1	0	2	1	0	0	0
	1730	451	1012.9	962.5	+0.4	25.5	16.1	4.7	8.9	27	-10	2.0	-0.1	5.9	0	0	31	01	18	10	1	1	0	0	0	0	0
CHANDRAPUR	0830	193	1017.5	994.9	+0.2	16.8	13.4	10.3	12.8	66	- 9	2.8	+1.2	2.7	0	0	18	05	3	4	1	0	0	1	4	13	0
	1730	193	1013.0	991.1	+0.3	26.0	17.1	9.6	12.3	37	-10	3.0	+1.2	3.5	0	0	25	03	10	9	2	1	0	0	0	6	0
PUSAD	0830	334	1018.7	979.8	..	16.6	12.6	8.8	11.6	60	..	1.3	..	3.0	0	0	28	00	5	0	1	0	7	2	13	3	0
	1730	334	1013.5	976.2	..	27.4	17.4	8.9	11.7	32	..	2.2	..	5.4	0	0	30	01	17	3	8	0	1	0	0	1	0
SIRONCHA	0830	123	1018.1	1003.7	+1.0	19.0	16.5	14.7	17.0	76	- 2	3.0	+1.2	1.2	0	0	16	06	2	2	0	0	2	0	4	15	0
	1730	123	1013.7	999.6	+0.5	25.8	19.1	14.7	17.2	52	+ 5	3.5	+1.4	0.6	0	0	10	01	3	3	2	1	0	0	0	21	0
WARDHA	0830	283	1017.6	984.8	..	19.1	12.9	6.4	10.0	44	..	1.1	..	4.1	0	0	31	14	12	2	0	0	0	0	3	0	0
	1730	283	1013.2	981.2	..	25.5	16.5	8.4	11.5	35	..	1.5	..	2.8	0	0	28	05	11	8	4	0	0	0	0	3	0
BHANDARA	0830	266	1018.3	987.3	..	17.1	12.7	8.6	11.5	58	..	.	..	4.4	0	0	25	02	8	2	4	2	1	0	1	6	5
	1730	266	1013.4	983.2	..	24.4	16.0	8.7	11.5	38	..	.	..	3.6	0	0	29	00	23	2	0	0	0	0	0	2	0
COASTAL ANDHRA PRADESH																											
KALINGAPATAM	0830	6	1017.1	1016.4	+0.8	21.5	19.1	17.5	20.3	78	- 2	2.4	-0.3	4.2	0	0	29	12	2	0	0	0	0	0	12	1	3
	1730	6	1013.9	1013.2	+0.8	24.3	20.0	17.2	20.1	66	+ 0	2.7	+0.0	13.5	0	2	28	13	13	2	0	1	0	0	0	0	1
VISHAKHAPATNAM	0230	3	1014.5	1014.1	..	20.6	18.5	17.2	19.8	81	..	3.6	..	4.3	0	1	16	02	5	2	1	0	0	1	6	16	0
	0530	3	1014.8	1014.4	..	20.1	18.0	16.7	19.2	82	..	3.9	..	5.1	0	1	21	03	5	1	0	1	2	2	8	9	0
	0830	3	1017.1	1016.7	+1.0	23.5	19.5	16.9	19.6	67	- 3	4.3	+1.8	8.8	0	1	29	04	12	3	2	0	1	0	8	1	0
	1130	3	1016.1	1015.7	..	26.5	20.5	16.7	19.4	56	..	4.5	..	14.1	0	8	23	01	15	12	2	0	0	0	0	0	1
	1430	3	1013.5	1013.1	..	26.9	20.8	16.9	19.8	56	..	4.4	..	20.6	0	20	11	01	5	16	9	0	0	0	0	0	0
	1730	3	1014.1	1013.7	+1.1	24.5	20.1	17.3	20.0	65	- 9	4.6	+1.9	13.5	0	1	30	00	4	22	5	0	0	0	0	0	0
	2030	3	1016.1	1015.7	..	22.7	19.6	17.8	20.5	74	..	3.6	..	7.6	0	1	27	02	8	11	0	0	0	2	5	3	0
	2330	3	1015.9	1015.5	..	21.3	19.1	17.6	20.4	80	..	3.8	..	4.6	0	1	19	03	4	2	0	0	1	3	7	11	0
KAKINADA	0830	8	1016.3	1015.4	+0.2	24.8	22.1	20.7	24.5	78	+ 7	3.5	+1.3	19.9	0	18	13	00	29	1	0	0	0	0	1	0	0
	1730	8	1013.6	1012.7	+0.8	25.0	22.1	20.5	24.3	77	+ 8	3.5	+1.3	19.4	0	12	19	00	27	4	0	0	0	0	0	0	0
NIDADAVOLE	0830	12	1016.8	1015.3	+0.2	21.6	19.9	18.9	22.1	82	+ 4	4.2	+0.6	8.5	0	1	30	23	7	1	0	0	0	0	0	0	0
	1730	12	1013.5	1012.1	+0.8	25.4	21.4	19.1	22.5	69	+11	4.6	+0.3	10.3	0	1	30	01	2	26	2	0	0	0	0	0	0
MENTACHINTALA	0830	106	1016.8	1004.5	+0.9	20.8	19.5	18.8	21.9	88	+15	3.9	+1.0	0.3	0	0	5	02	1	0	2	0	0	0	0	26	0
	1730	106	1013.0	1000.9	+1.3	25.1	20.5	17.7	20.5	65	+24	3.3	+0.3	0.4	0	0	6	02	0	1	2	0	0	1	0	25	0
GANNAVARAM	0230	24	1014.2	1011.4	..	20.7	19.5	18.7	21.8	88	..	3.0	..	4.3	0	2	10	02	9	1	0	0	0	0	0	19	0
	0530	24	1014.1	1011.3	..	20.2	19.1	18.5	21.5	90	..	3.4	..	7.3	0	3	20	06	15	2	0	0	0	0	0	8	0
	0830	24	1016.4	1013.6	+0.1	22.8	20.1	18.4	21.4	77	+ 6	3.9	+1.7	11.6	0	4	25	04	21	4	0	0	0	0	0	2	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - DECEMBER 1969 (PRAMAVANA 10 - PAUSA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb.			Mean temperature in °C			Vapour pressure in mb.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
			At mean sea level or M.L. in place of mean standard isobaric level	At station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		Wind Speed (Km. p. h.)			Wind direction										
															62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COASTAL ANDHRA PRADESH (CONTD.)																												
GANNAVARAM	1130	24	1015.6	1012.8	..	26.0	21.0	18.1	20.9	63	..	4.6	..	16.5	0	11	20	00	19	12	0	0	0	0	0	0	0
	1430	24	1012.8	1010.0	..	27.1	21.2	17.6	20.4	58	..	4.4	..	12.2	0	4	27	01	17	12	1	0	0	0	0	0	0
	1730	24	1013.1	1010.4	+0.6	25.0	20.7	18.0	20.9	66	+10	4.7	+2.0	9.2	0	2	26	00	13	12	3	0	0	0	0	3	0
	2030	24	1015.4	1012.6	..	22.6	20.3	18.9	22.0	80	..	3.1	..	6.7	0	2	20	01	10	6	5	0	0	0	0	9	0
	2330	24	1015.4	1012.6	..	21.4	19.9	19.0	22.2	86	..	3.2	..	6.3	0	2	18	03	13	3	1	0	0	0	0	11	0
MASULIPATAM	0830	3	1016.1	1015.7	+0.2	22.2	20.3	19.1	22.3	83	+ 5	4.8	+2.3	4.7	0	0	31	11	11	6	0	0	0	0	2	0	1
	1730	3	1013.1	1012.7	+0.5	25.1	21.7	19.8	23.2	73	+ 4	5.0	+2.4	5.5	0	0	31	02	4	25	0	0	0	0	0	0	0
ONGOLE	0830	12	1015.3	1014.0	-0.7	22.0	21.3	20.9	25.0	93	+15	2.6	-0.3	6.3	0	1	29	25	2	2	0	0	0	0	1	1	0
	1730	12	1012.9	1011.6	+0.5	25.1	23.2	22.2	26.9	85	+19	2.6	-0.1	6.0	0	1	28	02	5	22	0	0	0	0	0	0	0
NELLORE	0530	20	1012.9	1010.6	..	21.7	21.1	20.8	24.7	95	..	4.2	..	6.3	0	3	14	01	3	0	0	0	0	1	12	14	0
	0830	20	1015.5	1013.2	+0.3	22.7	21.9	21.5	25.7	93	+ 9	4.2	+0.2	10.0	0	3	28	00	9	0	0	0	0	0	22	0	0
	1130	20	1015.0	1012.7	..	25.5	22.8	21.4	25.6	79	..	6.1	..	12.3	0	3	28	09	16	0	0	0	0	0	6	0	0
	1430	20	1012.6	1010.3	..	26.1	22.8	21.1	25.2	75	..	6.1	..	12.2	0	5	25	08	16	0	0	0	0	0	5	1	1
	1730	20	1012.8	1010.5	+0.6	24.8	22.3	21.0	25.0	80	+10	6.4	+2.4	7.5	0	2	29	03	18	2	0	0	0	0	8	0	0
	2330	20	1014.6	1012.3	..	22.4	21.5	20.9	24.8	91	..	4.3	..	6.5	0	3	15	04	8	1	0	0	0	1	4	13	0
VISHAKHAPATNAM (SOLAR)	0830		(R)																								
TELANGANA																											
RAMGUNDAM	0830	156	1017.2	998.9	+0.2	18.7	16.0	13.8	16.0	74	+ 6	1.9	+0.1	1.3	0	0	11	04	1	4	0	0	0	2	0	20	0
	1730	156	1013.1	995.5	+0.6	26.5	18.6	13.0	15.8	46	+ 5	2.8	+0.8	2.1	0	0	29	00	24	3	2	0	0	0	0	2	0
NIZAMABAD	0830	381	1017.1	973.3	+0.8	18.6	15.6	13.2	15.6	72	+ 5	3.4	+1.7	0.3	0	0	1	00	1	0	0	0	0	0	0	30	0
	1730	381	1012.5	969.9	+0.9	26.2	24.4	23.6	29.3	86	+53	3.3	+1.3	0.3	0	0	4	00	4	0	0	0	0	0	0	27	0
HANAMKONDA	0830	269	1017.0	985.9	+0.3	18.9	17.5	16.5	18.9	86	+15	2.3	+0.4	1.2	0	0	18	09	0	0	1	6	1	0	1	13	0
	1730	269	1013.7	983.5	+1.4	24.7	18.8	14.5	16.7	56	+15	2.1	+0.0	1.9	0	0	29	18	7	2	2	0	0	0	0	2	0
HAKIMPET AERODROME	0530	613	1015.0	945.3	..	16.6	14.9	13.7	16.1	84	..	2.6	..	11.9	0	1	30	00	9	13	9	0	0	0	0	0	0
	0830	613	1016.0	947.0	..	19.4	16.9	15.2	17.6	78	..	4.3	..	13.1	0	3	26	00	6	12	11	0	0	0	0	2	0
	1130	613	1014.9	947.0	..	23.7	17.8	13.8	16.1	55	..	4.1	..	17.8	0	10	21	00	11	13	6	1	0	0	0	0	0
	1730	613	1013.8	945.4	..	22.1	17.0	13.1	15.7	61	..	3.9	..	15.0	0	6	25	00	12	9	10	0	0	0	0	0	0
	2330	613	1015.7	946.3	..	18.5	15.6	13.4	15.8	74	..	2.4	..	14.1	0	2	29	00	5	15	11	0	0	0	0	0	0
BHADRACHALLAM	0830	111	1016.7	1003.8	-0.5	19.0	18.2	17.7	20.5	92	+13	4.6	+1.7	2.3	0	0	31	00	31	0	0	0	0	0	0	0	0
	1730	111	1013.1	1000.4	+0.1	25.1	20.7	18.1	20.9	66	+16	3.5	+1.0	2.5	0	0	31	01	30	0	0	0	0	0	0	0	0
HYDERABAD (BEGAMPET)	0230	545	1015.0	952.7	..	15.9	14.6	13.6	15.9	87	..	2.3	..	2.3	0	0	20	05	9	4	2	0	0	0	0	11	0
	0530	545	1015.3	952.7	..	14.7	13.7	13.0	15.3	89	..	2.4	..	2.7	0	0	20	05	6	7	1	0	0	0	1	10	0
	0830	545	1017.2	954.9	+0.4	17.1	15.5	14.3	16.6	84	+13	4.2	+1.7	3.9	0	0	21	03	3	5	9	1	0	0	0	10	0
	1130	545	1015.2	954.5	..	24.0	18.1	14.3	16.6	56	..	4.3	..	11.5	0	1	30	01	5	16	9	0	0	0	0	0	0
	1730	545	1012.4	952.0	+1.0	24.4	17.5	12.6	15.2	51	+ 9	4.1	+1.6	9.3	0	0	30	00	8	14	8	0	0	0	0	0	0
	2330	545	1016.2	954.1	..	17.2	15.2	13.7	16.0	80	..	2.1	..	4.1	0	0	24	02	8	13	1	0	0	0	0	7	0
KHAMMAM	0830	112	1016.8	1003.7	+0.4	20.6	19.3	18.5	21.5	88	+10	4.4	+2.3	1.1	0	0	11	04	1	4	2	0	0	0	0	20	0
	1730	112	1013.3	1000.6	+0.9	26.0	20.0	16.3	19.1	57	+13	4.8	+2.1	0.6	0	0	7	02	1	4	0	0	0	0	0	24	0
MAHBUBNAGAR	0830	505	1015.9	958.8	+0.0	20.9	17.7	15.5	17.9	72	+ 4	4.6	+1.7	8.1	0	1	27	00	7	20	1	0	0	0	0	3	0
	1730	505	1011.7	955.6	+0.2	25.2	17.8	12.6	15.1	48	+ 5	3.5	+0.6	7.7	0	0	31	00	2	28	1	0	0	0	0	0	0
RAYALASEEMA																											
KURNOOL	0830	281	1016.5	984.3	+0.8	22.0	18.8	16.8	19.4	72	+ 0	4.2	+1.9	3.4	0	0	30	00	21	0	8	0	0	0	1	1	0
	1730	281	1012.1	980.4	+1.0	27.0	19.8	14.9	17.3	49	+12	5.0	+2.2	5.5	0	0	31	00	8	0	20	0	0	0	1	0	2
NANDYAL	0830	212	1015.2	990.8	..	20.7	19.1	18.2	21.1	86	..	2.9	..	2.5	0	0	15	09	4	2	0	0	0	0	0	16	0
	1730	212	1012.2	988.2	..	25.7	20.3	16.9	19.6	60	..	3.9	..	11.5	0	2	29	03	3	20	5	0	0	0	0	0	0
ANANTAPUR	0530	350	1013.3	973.3	..	19.5	18.2	17.3	20.0	87	..	3.8	..	4.0	0	1	14	01	3	11	0	6	0	0	0	16	0
	0830	350	1015.5	975.6	+0.0	21.5	19.1	17.6	20.3	79	+ 7	4.7	+2.2	3.7	0	0	19	01	4	14	0	0	0	0	0	12	0
	1130	350	1014.4	975.1	..	24.9	19.9	16.7	19.2	61	..	5.6	..	12.4	0	3	28	00	19	11	1	0	0	0	0	0	0
	1430	350	1011.1	972.1	..	26.7	20.1	15.9	18.3	53	..	5.2	..	11.9	0	3	28	00	16	13	2	0	0	0	0	0	0
	1730	350	1011.3	972.2	+0.5	25.9	19.9	15.9	18.4	56	+12	5.1	+2.2	13.3	0	3	28	00	12	18	1	0	0	0	0	0	0
	2030	350	1013.9	974.4	..	23.5	19.7	17.2	19.9	68	..	3.9	..	7.7	0	1	25	00	5	20	1	0	0	0	0	5	0
	2330	350	1014.4	974.6	..	21.9	19.2	17.4	20.1	76	..	3.5	..	11.2	0	1	28	01	3	22	3	0	0	0	0	2	0
CUDDAPAH	0830	130	1015.6	1000.6	-0.1	22.4	20.7	19.8	23.2	85	+13	4.5	+1.4	0.3	0	0	2	00	0	2	0	0	0	0	0	29	0
	1730	130	1012.4	997.6	+0.9	25.4	21.6	19.5	22.9	71	+10	4.6	+1.1	3.2	0	0	21	00	1	20	0	0	0	0	0	10	0
AROGYAVARAM	0830	701	1016.2	937.5	+0.2	19.2	17.9	17.1	19.5	87	+ 6	6.0	+2.0	4.3	0	0	26	09	10	1	3	0	0	0	3	5	0
	1730	701	1012.1	934.6	+0.4	22.2	19.4	17.8	20.5	77	+14	6.8	+2.5	9.6	0	0	31	02	23	0	3	0	0	0	3	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - DECEMBER,1969AGRAHAYANA 10 - PAUSA 10,1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or M. in gpm. of mean standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 0 or zero	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TAMIL NADU (INCLUDING PONDICHERRY)																											
MADRAS	0830	6	1014.8	1014.1	-0.1	24.4	22.4	21.4	25.6	84	+ 5	6.4	+2.3	6.8	0	2	26	18	8	1	0	0	0	0	1	3	0
	1730	6	1012.1	1011.4	..	25.6	22.5	20.9	24.8	76	..	6.4	..	9.5	0	2	27	09	18	1	0	0	0	0	1	2	0
MADRAS(MINAMBAKKAM)	0230	16	1012.3	1010.5	..	23.0	21.8	21.2	25.2	89	..	5.2	..	6.7	0	1	25	19	2	0	0	0	0	0	5	5	0
	0530	16	1012.4	1010.6	..	22.5	21.5	21.0	25.0	91	..	4.7	..	6.1	0	1	22	18	0	0	0	0	0	1	4	8	0
	0830	16	1014.7	1012.9	+0.0	23.7	22.2	21.4	25.5	87	+ 3	5.4	+0.8	9.2	0	2	25	23	0	0	0	0	0	1	3	4	0
	1130	16	1014.1	1012.3	..	26.4	22.5	20.4	24.2	71	..	6.1	..	14.6	0	6	25	20	9	1	0	0	0	1	0	0	0
	1430	16	1011.6	1009.8	..	26.7	22.7	20.7	24.4	70	..	6.2	..	14.8	0	8	23	18	10	2	0	0	0	1	0	0	0
	1730	16	1012.0	1010.2	+0.2	25.6	22.4	20.6	24.4	75	+ 4	6.1	+1.4	14.3	0	5	26	19	10	1	0	0	0	1	0	0	0
	2030	16	1014.2	1012.4	..	24.4	22.1	20.9	24.9	81	..	4.8	..	8.6	0	0	28	22	5	0	0	0	0	0	1	3	0
	2330	16	1014.0	1012.2	..	23.7	22.0	21.1	25.0	86	..	5.4	..	8.8	0	2	23	21	2	1	0	0	0	0	1	6	0
VELLORE	0530	214	1013.2	988.5	..	21.0	20.1	19.6	23.0	92	..	5.5	..	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	0830	214	1015.2	990.8	+0.4	22.7	20.9	19.9	23.3	84	- 1	4.7	+0.6	1.6	0	0	9	01	4	0	0	0	0	2	2	22	0
	1130	214	1014.4	990.4	..	25.7	21.6	19.3	22.4	68	..	6.3	..	8.5	0	1	29	05	22	1	0	0	0	1	1	1	0
	1730	214	1011.6	987.4	+0.5	25.4	21.5	19.3	22.6	70	+11	5.9	+1.6	7.4	0	0	28	02	26	0	0	0	0	0	0	3	0
	2330	214	1014.7	990.2	..	22.3	20.9	20.2	23.7	88	..	5.1	..	1.7	0	0	9	04	4	0	0	0	0	0	1	22	0
TAMBARAM AERODROME	0830	29	1014.3	1011.0	..	23.5	22.5	21.9	26.4	91	..	5.4	..	15.7	0	6	25	11	16	2	0	0	1	1	0	0	0
	1730	29	1011.9	1008.6	..	25.6	22.8	21.4	25.6	78	..	6.0	..	23.5	1	13	17	04	13	11	2	0	0	1	0	0	0
TIRUPPATTUR	0830	390	1011.4	967.4	-3.7	22.7	21.7	21.1	24.9	89	- 2	6.2	+1.7	2.4	0	0	22	09	0	0	0	13	0	0	0	9	0
	1730	390	1007.2	964.0	-3.3	25.4	22.7	21.4	25.6	79	+17	7.4	+2.0	3.8	0	0	27	11	0	0	0	16	0	0	0	4	0
METTUR DAM R.S	0830		..	..	..	23.4	20.6	19.0	22.1	77	..	5.3	..	6.5	0	0	31	00	12	0	0	0	0	0	19	0	0
	1730		..	..	..	27.1	21.5	18.3	21.2	59	..	5.5	..	6.3	0	0	30	00	19	0	1	0	0	0	10	1	0
CUDDALORE	0530	12	1011.8	1010.4	..	23.1	22.0	21.5	25.7	91	..	5.3	..	4.5	0	0	20	04	16	0	0	0	0	0	0	11	0
	0830	12	1013.9	1012.5	+0.4	24.1	22.6	21.8	26.2	87	+ 4	5.4	+0.7	8.5	0	0	30	13	16	0	0	0	0	1	0	1	0
	1130	12	1013.5	1012.1	..	26.5	23.4	21.8	26.3	76	..	5.9	..	14.4	0	7	24	10	19	1	0	0	0	1	0	0	0
	1430	12	1010.9	1009.6	..	26.7	23.5	21.9	26.4	76	..	5.5	..	16.1	0	10	21	06	22	1	1	0	0	0	1	0	0
	1730	12	1011.4	1010.0	+0.0	25.7	23.2	21.9	26.4	80	+ 6	5.9	+1.2	12.9	0	4	27	07	21	1	1	0	0	0	1	0	0
	2330	12	1013.4	1012.0	..	24.3	22.7	21.8	26.3	86	..	5.3	..	12.5	0	5	25	07	22	0	0	0	0	0	1	1	0
KALLAKKURICHCHI	0830	127	1014.4	999.9	-0.9	23.9	21.8	20.7	24.5	83	+ 6	4.8	+1.1	8.5	0	0	28	15	3	0	0	0	0	0	10	3	0
	1730	127	1011.0	996.7	+0.0	25.9	23.0	21.4	25.8	77	+15	5.4	+1.2	8.1	0	0	28	10	13	2	0	0	0	0	3	3	0
SALEM	0530	278	1011.5	979.9	..	21.5	19.6	18.5	21.4	83	..	3.8	..	2.1	0	0	9	01	5	3	0	0	0	0	0	22	0
	0830	278	1013.7	982.1	-0.5	22.9	20.3	18.7	21.8	77	+ 2	4.3	+0.9	2.5	0	0	15	01	8	5	0	0	0	0	1	16	0
	1130	278	1013.0	981.8	..	26.9	21.4	18.1	20.9	59	..	5.2	..	6.1	0	0	27	01	6	16	1	0	0	3	0	4	0
	1730	278	1010.1	979.0	+0.3	26.8	21.5	18.3	21.2	61	+ 9	5.6	+1.4	5.0	0	0	23	00	4	15	4	0	0	0	0	8	0
	2330	278	1012.9	981.5	..	24.3	21.0	19.0	22.2	73	..	3.9	..	4.1	0	0	15	00	4	11	0	0	0	0	0	16	0
COIMBATORE(PILAMEDU)	0530	399	1012.5	967.2	..	20.4	20.0	19.8	23.2	96	..	4.4	..	2.3	0	0	7	03	1	2	1	0	0	0	0	23	0
	0830	399	1014.4	969.3	-0.3	22.3	20.7	19.9	23.3	86	+10	5.1	+1.0	7.7	0	0	19	03	10	6	0	0	0	0	0	12	0
	1130	399	1013.3	968.8	..	25.8	21.8	19.5	22.8	69	..	5.6	..	13.4	0	5	22	01	16	8	0	0	0	0	0	4	2
	1430	399	1010.1	965.8	..	27.1	22.4	20.0	23.5	66	..	5.7	..	13.5	0	6	22	01	16	10	0	0	0	0	0	3	1
	1730	399	1010.4	966.0	+0.3	26.0	22.2	20.2	23.8	71	+23	5.3	+1.5	11.7	0	2	25	01	12	12	1	0	0	0	0	4	1
	2030	399	1013.2	968.3	..	23.4	21.5	20.5	24.3	84	..	3.8	..	6.6	0	1	16	03	8	5	0	0	1	0	0	14	0
	2330	399	1013.7	968.6	..	22.2	21.0	20.4	24.0	90	..	4.5	..	6.6	0	1	15	03	5	7	1	0	0	0	0	15	0
COIMBATORE	0830	409	1014.3	968.1	+0.1	22.8	20.4	19.0	22.1	79	+ 4	5.9	+1.4	4.0	0	0	26	00	25	1	0	0	0	0	0	5	0
NAGAPATTINAM	0830	9	1013.8	1012.7	+0.0	24.4	23.1	22.5	27.3	89	+ 8	6.9	+1.7	11.7	0	6	23	10	6	0	0	0	1	1	11	2	0
	1730	9	1010.9	1009.8	+0.0	26.0	23.6	22.4	27.2	81	+ 5	6.5	+1.4	19.0	0	16	15	07	20	1	1	0	0	0	2	0	0
TIRUCHCHIRAPPALLI	0230	88	1011.6	1001.5	..	23.1	21.6	20.8	24.6	87	..	5.3	..	11.5	0	1	29	15	11	1	0	1	0	1	1	1	0
	0530	88	1011.7	1001.6	..	22.5	21.0	20.2	23.8	87	..	4.6	..	12.5	0	5	26	19	8	0	0	1	0	2	1	0	0
	0830	88	1013.9	1003.8	-0.2	23.9	21.5	20.2	23.8	80	+ 1	5.7	+1.4	14.3	0	7	24	15	10	1	0	0	0	3	2	0	0
	1130	88	1013.2	1003.3	..	26.7	22.4	20.2	23.7	68	..	5.8	..	19.5	0	17	14	11	16	1	0	0	0	1	2	0	0
	1430	88	1010.3	1000.4	..	27.8	22.9	20.3	24.0	65	..	6.2	..	17.0	0	13	18	08	17	4	0	0	0	1	1	0	0
	1730	88	1010.5	1000.6	+0.1	26.4	22.6	20.6	24.3	71	+ 6	5.7	+0.5	13.7	0	6	25	06	19	3	0	0	0	1	2	0	0
	2030	88	1013.0	1003.0	..	24.7	22.4	21.2	25.2	81	..	4.8	..	11.2	0	0	31	03	24	1	0	1	0	1	1	0	0
	2330	88	1013.2	1003.2	..	23.7	21.9	20.9	24.8	85	..	5.1	..	12.5	0	6	23	09	15	1	0	0	1	1	2	2	0
VEDARANNIYAM	0830	4	1013.4	1012.9	..	24.7	23.4	22.8	27.9	90	..	7.0	..	9.4	0	2	29	05	16	0	0	0	0	0	10	0	0
	1730	4	1010.5	1010.0	..	26.0	24.1	23.2	28.5	85	..	5.3	..	10.0	0	1	30	02	23	0	0	0	0	0	6	0	0
ATIRAMPATTINAM	0830	6	1013.3	1012.6	..	24.1	23.0	22.4	27.2	90	..	5.2	..	11.4	0	3	27	22	1	0	0	0	0	2	5	1	0
	1730	6	1010.4	1009.7	..	25.9	23.9	23.0	28.2	85	..	6.2	..	10.8	0	1	29	12	14	0	0	2	0	1	1	1	0
MADURAI	0830	133	1013.7	998.5	+0.0	25.4	22.3	20.6	24.4	76	+ 3	4.3	-0.3	2.5	0	0	28	21	6	1	0	0	0	0	0	3	0
MADURAI AERODROME	0530	131	1011.4	996.3	..	22.5	21.1	20.4	24.1	88	..	4.1	..	8.5	0	2	21	10	12	0	0	0	0	0	1	8	0
	0830	131	1013.5	998.5	-0.7	24.6	21.9	20.6	24.4	78	+ 2	5.3	+1.0	10.6	0	2	23	12	11	0	0	1	0	0	1	6	0
	1130	131	1012.9	998.1	..	27.3	22.8	20.4	24.2	67	..	5.4	..	18.6	0	15	15	12	15	1	1	0	0	0	1	1	0
	1730	131	1010.2	995.3	-0.3	26.5	22.7	20.8	24.6	72	+ 9	5.9	+1.2	17.2	0	9	22	03	24	1	1	1	0	0	1	0	0
TONDI	0830	5	1013.6	1013.0	-0.3	24.2	22.6	21.7	26.2	86	+ 3	7.1	+2.1	8.5	0	1	29	26	0	0	0	1	0	2	1	1	0
	1730	5	1010.8	1010.2	+0.1	26.3	23.6	22.3	26.9	79	+ 6	7.0	+2.0	9.4	0	0	31	19	10	0	1	1	0	0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - DECEMBER, 1969 AGRAHAYANA 10 - PAUSA 10, 1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mb.			Mean temperature in °C			Vapour pressure in mb.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations													
															Wind Speed (Km. p. h.)			Wind direction										
			As mean sea level or ht. in gpm. of mean standard isobaric level	As station level	Departure from normal	Dry Bulb	Wet Bulb	Dew point			Departure from normal	Mean amount	Departure from normal		62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TAMIL NADU (INCLUDING PONDICHERRY																												
PAMBAN	0830	11	1012.9	1011.6	-0.4	25.6	24.0	23.2	28.5	87	+ 3	6.7	+2.1	20.4	0	14	16	13	4	1	0	2	2	0	8	1	0
	1730	11	1010.1	1008.8	-0.2	26.6	24.4	23.5	28.9	84	+ 1	6.8	+2.4	21.9	0	16	13	14	6	0	0	2	1	0	6	2	0
TUTICORIN	0830	4	1013.5	1013.1	-0.7	25.1	22.6	21.3	25.5	80	+ 2	4.8	+0.9	13.0	0	3	28	13	10	0	1	2	2	0	3	0	0
	1730	4	1010.3	1009.9	-0.3	27.2	24.1	22.6	27.6	77	+ 3	5.2	+2.0	17.4	0	14	17	07	15	1	2	3	0	0	3	0	0
PALAYANKOTTAI	0830	51	1013.4	1007.6	-0.3	24.9	22.3	20.9	24.9	79	+ 5	6.5	+1.6	8.9	0	0	31	14	6	0	1	0	2	8	0	0	0
	1730	51	1010.0	1004.2	-0.3	27.7	23.7	21.3	25.4	70	+ 8	6.6	+1.5	10.6	0	2	28	12	12	1	3	0	0	1	1	1	0
KANNIYAKUMARI	0830	37	1012.4	1008.4	..	25.5	22.3	20.4	24.3	75	..	4.9	..	21.5	0	21	10	15	11	1	0	0	1	2	1	0	0
	1730	37	1009.6	1005.5	..	27.4	23.6	21.6	26.0	72	..	5.6	..	17.5	0	18	12	07	16	2	0	0	4	1	0	1	0
PONDICHERRY	0830	6	1013.8	1013.1	..	25.0	22.8	21.7	26.1	82	..	5.5	..	16.0	0	9	22	15	9	0	0	0	0	1	6	0	0
	1730	6	1010.9	1010.3	..	25.8	23.5	22.3	27.0	81	..	6.0	..	22.8	0	14	17	02	24	1	0	0	0	1	3	0	0
PORT NOVA	0830	3	1013.7	1013.4	..	24.9	23.1	22.3	26.9	86	..	5.6	..	5.2	0	0	31	15	4	0	0	1	0	0	11	0	0
TUTICORIN H.P.	0830	3	1013.4	1013.1	..	24.9	22.7	21.6	25.9	82	..	5.5	..	18.0	0	13	16	18	7	0	0	0	2	1	1	2	0
	1130	3	1012.7	1012.4	..	27.0	23.9	22.4	27.3	77	..	5.6	..	18.6	0	12	18	17	9	1	1	2	0	0	0	1	0
	1430	3	1009.9	1009.6	..	27.6	24.5	23.0	28.1	76	..	5.5	..	17.4	0	12	18	05	16	5	0	4	0	0	0	1	0
	1730	3	1009.9	1009.6	..	26.9	24.1	22.7	27.7	78	..	5.7	..	16.4	0	12	18	08	17	1	0	4	0	0	0	1	0
COASTAL MYSORE																												
KARWAR	0830	4	1013.1	1012.6	-0.8	24.5	20.8	18.6	21.7	70	+ 0	2.5	+0.5	2.8	0	0	20	00	12	0	7	0	0	0	0	11	1
	1730	4	1010.0	1009.5	-0.4	30.1	24.1	20.8	25.1	58	- 4	3.1	+1.0	2.6	0	0	21	00	4	0	5	0	4	3	5	10	0
HONAVAR	0830	26	1013.2	1010.2	-0.5	24.9	20.6	17.9	20.9	66	+ 3	3.1	-0.1	4.5	0	0	29	02	9	17	0	0	0	0	1	2	0
	1730	26	1009.6	1006.6	-0.4	30.5	23.5	19.6	23.3	54	- 5	2.7	-0.9	2.2	0	0	26	02	4	4	0	3	1	10	2	5	0
MANGALORE (BAJPE)	0230	102	1010.5	998.9	..	23.8	22.0	21.0	25.1	85	..	3.3	..	5.1	0	0	21	03	2	9	4	1	1	0	1	10	0
	0530	102	1010.4	998.8	..	22.9	21.2	20.2	23.9	85	..	3.2	..	9.0	0	1	28	05	4	14	4	1	0	0	1	2	0
	0830	102	1012.4	1000.8	-0.9	25.2	21.8	19.9	23.5	73	+ 3	3.5	+0.7	10.3	0	1	30	03	5	21	1	0	1	0	0	0	0
	1130	102	1012.1	1000.7	..	30.2	22.7	18.5	21.5	49	..	3.6	..	11.7	0	1	30	00	2	19	9	1	0	0	0	0	0
	1430	102	1009.1	997.8	..	31.7	23.6	19.2	22.6	49	..	4.2	..	11.5	0	0	31	00	2	4	6	1	5	10	2	0	1
	1730	102	1009.1	997.7	-0.5	29.1	23.4	20.4	24.2	60	- 2	4.5	+1.2	10.0	0	0	31	03	0	0	0	0	4	15	8	0	1
	2030	102	1011.4	999.9	..	26.3	23.2	21.7	26.0	76	..	3.6	..	4.6	0	0	17	09	0	0	1	0	0	0	7	14	0
	2330	102	1011.9	1000.3	..	25.1	22.8	21.7	26.0	82	..	3.5	..	3.4	0	0	16	05	4	3	2	1	0	0	1	15	0
MANGALORE	0830	22	1012.6	1010.1	-0.5	25.7	21.6	19.3	22.6	68	- 1	3.7	+0.9	3.7	0	0	30	00	2	17	10	0	0	0	1	1	0
	1730	22	1009.3	1006.8	-0.3	29.8	23.9	20.8	24.9	59	- 3	3.8	+0.8	5.1	0	0	31	01	0	0	0	0	7	9	2	0	12
MANGALORE H.P.	0830	32	1012.0	1008.5	..	25.6	22.7	21.2	25.5	77	..	3.3	..	6.8	0	0	30	01	3	15	11	0	0	0	0	1	0
	1130	32	1012.0	1008.4	..	30.8	23.7	19.8	23.3	53	..	3.1	..	8.1	0	0	30	00	3	14	12	0	0	1	0	1	0
	1730	32	1008.9	1005.3	..	29.3	24.1	21.5	25.9	64	..	3.3	..	8.6	0	0	31	02	1	0	0	0	2	11	15	0	0
INTERIOR MYSORE, NORTH																												
BIDAR	0830	664	1016.4	941.7	+0.3	19.4	16.7	14.9	17.0	76	+15	4.7	+2.4	10.9	0	0	31	00	8	13	10	0	0	0	0	0	0
	1730	664	1012.2	938.8	+0.5	23.6	18.2	14.7	17.1	59	+20	4.4	+1.5	10.9	0	0	31	00	20	10	1	0	0	0	0	0	0
GULBARGA	0830	458	1016.4	964.1	+0.3	19.5	15.8	13.1	15.5	68	+12	4.7	+2.8	9.9	0	0	26	00	9	17	0	0	0	0	0	5	0
	1730	458	1011.3	960.6	+0.7	26.9	17.1	9.3	12.5	36	+ 5	4.2	+1.6	8.5	0	0	30	00	11	19	0	0	0	0	0	1	0
BIJAPUR	0830	594	1016.5	949.1	+0.6	18.2	15.9	14.3	16.6	78	+20	4.2	+2.1	4.4	0	0	25	00	7	11	4	3	0	0	0	6	0
	1730	594	1010.8	945.6	+0.7	26.5	18.0	12.1	14.6	43	+ 9	5.2	+2.5	3.5	0	0	31	01	9	18	2	1	0	0	0	0	0
RAICHUR	0830	400	1015.9	970.5	+0.3	21.6	18.3	16.1	18.6	71	+ 8	3.8	+1.7	4.6	0	0	31	00	17	0	11	0	2	0	1	0	0
	1730	400	1011.6	967.2	+0.8	26.6	18.0	10.8	13.8	40	+ 6	4.5	+1.8	5.2	0	0	28	00	15	5	4	0	1	0	0	3	0
BELGAUM	0830	753	1015.5	931.6	+0.8	19.8	17.0	15.2	17.5	75	+ 8	2.5	+1.2	3.9	0	0	23	00	0	23	0	0	0	0	0	8	0
	1730	753	1009.7	927.9	-0.1	26.2	19.8	15.9	18.4	55	+20	3.8	+1.9	5.4	0	0	28	00	0	26	0	2	0	0	0	3	0
BELGAUM (SAMRA)	0530	747	1013.4	929.6	..	17.5	15.0	13.2	15.5	76	..	2.2	..	5.9	0	2	17	00	8	11	0	0	0	0	0	12	0
	0830	747	1014.9	931.6	+0.0	19.8	16.7	14.6	16.8	72	+ 8	3.8	+1.5	12.6	0	4	25	00	5	15	8	1	0	0	0	2	0
	1130	747	1013.5	931.6	..	24.4	17.6	13.0	15.4	50	..	3.7	..	18.2	0	13	18	00	7	15	9	0	0	0	0	0	0
	1430	747	1009.8	928.7	..	26.6	17.5	10.8	13.6	39	..	4.3	..	13.0	0	5	25	00	10	16	2	0	0	0	0	1	2
	1730	747	1009.9	928.6	+0.1	25.6	17.3	11.2	13.9	43	+ 5	3.8	+1.3	9.5	0	2	29	01	15	12	3	0	0	0	0	0	0
	2030	747	1013.5	930.7	..	21.4	16.1	12.2	14.7	57	..	2.6	..	3.8	0	0	18	00	7	8	2	0	1	0	0	13	0
GADAG	0530	650	1013.7	940.3	..	17.7	16.3	15.4	17.8	87	..	2.5	..	5.4	0	0	26	00	3	23	0	0	0	0	0	5	0
	0830	650	1015.0	941.9	-0.3	19.0	17.6	16.7	19.2	87	+24	3.0	+0.3	5.9	0	0	31	03	12	16	0	0	0	0	0	0	0
	1130	650	1013.7	942.1	..	25.2	19.9	16.9	19.6	61	..	3.7	..	4.5	0	0	31	00	11	17	2	0	0	0	0	0	1
	1430	650	1010.3	939.4	..	27.4	20.2	16.0	18.6	51	..	4.1	..	7.9	0	0	31	00	15	15	1	0	0	0	0	0	0
	1730	650	1010.9	939.3	+0.4	25.8	19.6	15.8	18.4	56	+15	3.7	+0.6	6.5	0	0	31	04	15	12	0	0	0	0	0	0	0
	2030	650	1013.5	941.3	..	22.2	18.1	15.4	17.9	66	..	1.9	..	6.2	0	0	29	00	13	16	0	0	0	0	0	2	0
	2330	650	1014.3	941.5	..	20.1	16.9	14.7	17.2	72	..	1.5	..	7.0	0	0	30	00	5	24	1	0	0	0	0	1	0
BIDAR A.F.	0530	665	1015.2	939.5	..	16.2	13.9	11.9	14.4	77	..	2.2	..	8.3	0	0	31	01	8	16	6	0	0	0	0	0	0
	0830	665	1016.1	941.3	..	19.8	15.4	12.1	14.5	63	..	3.9	..	12.2	0	0	30	01	9	14	6	0	0	0	0	1	0
	1130	665	1015.3	941.6	..	23.6	16.1	9.8	12.7	43	..	4.0	..	16.2	0	7	24	01	15	11	4	0	0	0	0	0	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS— DECEMBER,1969AGRAHAYANA 10 - PAUSA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.: At mean sea level or ht. in gpm. of nearest standard isobaric level	Mean pressure in mbs.: At station level	Mean pressure in mbs.: Departure from normal	Mean temperature in °C: Dry bulb	Mean temperature in °C: Wet bulb	Mean temperature in °C: Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas): Mean amount	Cloud Amount (Oktas): Departure from normal	Mean wind speed Km. per hour	No. of observations: Wind Speed (Km. p. h.): 62 or more	Wind Speed: 20 to 61	Wind Speed: 1 to 19	Wind direction: N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
INTERIOR MYSORE NORTH (CONTD.)																											
BIDAR A.F.	1730	665	1012.4	938.9	..	24.1	15.8	9.3	12.4	42	..	4.1	..	13.3	0	1	30	00	22	8	1	0	0	0	0	0	0
	2330	665	1016.0	941.0	..	18.8	14.3	10.5	13.0	60	..	1.9	..	10.1	0	0	27	00	9	15	3	0	0	0	0	4	0
INTERIOR MYSORE,SOUTH																											
BELLARY	0830	449	1015.8	964.7	+0.3	20.0	18.5	17.6	20.3	86	+17	4.3	+1.3	3.7	0	0	23	00	5	10	8	0	0	0	0	8	0
	1730	449	1010.9	961.1	+0.7	26.9	20.1	15.6	18.2	53	+15	5.4	+2.2	6.3	0	0	28	00	7	12	9	0	0	0	0	3	0
CHITRADURGA	0830	733	1014.8	932.9	+0.1	19.1	17.6	16.7	19.2	86	+15	4.0	+0.8	6.6	0	0	31	00	0	30	1	0	0	0	0	0	0
	1730	733	1009.9	929.8	+0.4	24.9	18.9	15.2	17.7	56	+16	4.2	+1.1	5.0	0	0	26	00	0	26	0	0	0	0	0	5	0
SHIMOGA	0830	571	1013.7	949.6	-0.9	20.0	18.4	17.3	19.9	85	+9	4.0	+1.2	2.3	0	0	20	00	1	18	1	0	0	0	0	11	0
	1730	571	1009.1	946.5	-0.1	26.1	19.6	15.5	18.1	54	+11	4.4	+1.5	3.4	0	0	31	00	1	30	0	0	0	0	0	0	0
AGUMBE	0830	659	1014.2	940.5	..	19.5	17.8	16.8	19.3	84	..	3.1	..	12.6	0	2	29	01	12	17	1	0	0	0	0	0	0
	1730	659	1010.7	938.3	..	24.4	20.3	18.0	21.0	69	..	3.1	..	5.4	0	0	21	00	9	5	1	0	4	1	1	10	0
BALEHONNUR	0830		..	..	..	20.1	18.2	17.0	19.5	83	+4	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HASSAN	0830	960	1533.0	907.9	-0.6	24.3	18.8	15.5	17.6	58	-18	6.9	+3.6	1.4	0	0	12	01	0	0	0	0	4	4	3	19	0
	1730	960	1512.8	905.7	-0.1	24.6	19.2	15.9	18.3	60	+14	6.1	+2.6	3.4	0	0	22	00	4	7	6	0	0	5	0	9	0
BANGALORE	0230	921	1517.0	911.8	..	17.7	16.8	16.3	18.7	92	..	4.4	..	5.8	0	0	29	02	4	21	2	0	0	0	0	2	0
	0830	921	1531.5	913.1	+0.3	18.5	17.0	16.1	18.4	86	+8	5.4	+1.2	6.0	0	0	31	01	5	22	3	0	0	0	0	0	0
	1130	921	1535.2	913.0	..	22.4	18.4	16.0	18.4	68	..	5.3	..	7.9	0	1	30	00	8	19	3	0	0	1	0	0	0
	1430	921	1524.1	911.1	..	24.1	18.9	15.7	18.1	61	..	5.5	..	7.4	0	0	31	02	6	23	0	0	0	0	0	0	0
	1730	921	1520.4	911.1	+1.2	22.3	18.2	15.7	18.1	68	+17	5.8	+1.9	6.3	0	0	30	01	6	18	4	0	0	0	1	1	0
	2030	921	1530.6	912.7	..	19.8	17.7	16.4	18.8	81	..	4.0	..	5.5	0	0	30	02	4	20	3	0	0	1	0	1	0
BANGALORE AERODROME	0530	897	1505.4	913.3	..	16.9	16.5	16.3	18.8	97	..	4.6	..	8.9	0	0	31	00	10	19	1	0	0	0	1	0	0
	0830	897	1528.0	915.3	-0.4	18.6	17.3	16.6	18.9	88	+8	5.7	+1.5	10.6	0	1	30	01	6	21	2	0	0	0	1	0	0
	1130	897	1535.3	915.2	..	22.5	18.6	16.3	18.7	69	..	5.3	..	14.5	0	4	27	01	3	22	4	0	0	0	1	0	0
	1730	897	1512.1	912.8	-0.1	22.4	18.6	16.4	18.8	70	+17	5.8	+1.9	12.8	0	2	29	01	5	19	5	0	0	0	1	0	0
	2330	897	1524.2	915.1	..	18.2	17.6	17.2	19.7	94	..	4.5	..	10.3	0	0	29	01	1	25	1	0	0	1	0	1	0
MYSORE	0830	767	1014.4	928.9	+0.0	19.8	17.7	16.5	18.9	81	+3	3.8	+0.2	7.7	0	0	31	06	13	10	1	0	0	1	0	0	0
	1730	767	1009.2	925.8	+0.1	25.1	19.0	15.4	17.6	56	+13	3.6	-0.3	8.1	0	0	31	07	7	15	0	2	0	0	0	0	0
YALANKA A.F.	0530	932	1506.7	910.1	..	16.6	16.1	15.9	18.1	96	..	4.6	..	14.2	0	4	26	02	7	20	1	0	0	0	0	1	0
	0830	932	1528.2	912.0	..	18.5	17.1	16.3	18.5	87	..	5.9	..	17.3	0	8	23	03	5	21	2	0	0	0	0	0	0
	1130	932	1534.7	911.8	..	22.7	18.6	16.0	18.3	67	..	5.5	..	18.9	0	12	19	01	7	21	1	1	0	0	0	0	0
	1730	932	1511.1	909.4	..	22.0	18.1	15.8	18.1	69	..	5.6	..	17.4	0	11	19	02	5	19	4	0	0	0	0	1	0
	2330	932	1523.3	911.6	..	17.9	17.1	16.6	19.0	93	..	4.3	..	14.4	0	5	25	02	7	17	4	0	0	0	0	1	0
KERALA																											
CALICUT	0530	5	1010.8	1010.2	..	23.9	22.5	21.8	26.3	88	..	2.2	..	4.1	0	0	25	01	4	19	0	0	0	1	0	6	0
	0830	5	1012.4	1011.8	-0.4	26.1	22.9	21.3	25.6	76	+1	3.4	+0.1	3.7	0	0	28	00	11	14	0	0	0	2	1	3	0
	1130	5	1011.9	1011.3	..	29.8	24.3	21.6	25.9	62	..	3.0	..	4.8	0	0	29	00	0	1	0	0	10	17	1	2	0
	1430	5	1009.5	1008.9	..	30.6	24.8	22.0	26.5	61	..	3.5	..	7.8	0	1	30	00	0	0	0	0	10	19	2	0	0
	1730	5	1009.4	1008.8	+0.1	29.2	24.5	22.3	26.9	67	+3	3.5	+0.1	4.5	0	0	28	01	0	0	0	0	2	24	1	3	0
	2330	5	1011.7	1011.1	..	25.7	23.7	22.7	27.6	84	..	2.6	..	3.5	0	0	27	01	7	6	0	0	1	11	1	4	0
PALGHAT	0830	97	1012.8	1001.7	-1.0	25.4	22.1	20.4	24.2	75	+6	5.3	+2.6	10.6	0	0	31	00	0	31	0	0	0	0	0	0	0
	1730	97	1009.5	998.6	-0.1	28.9	23.1	19.9	23.5	59	+9	5.2	+1.8	9.9	0	1	30	01	0	28	0	0	0	2	0	0	0
FORT COCHIN	0830	3	1012.0	1011.7	-0.8	27.3	23.6	22.2	26.9	74	+3	6.4	+2.2	4.7	0	0	31	02	15	13	1	0	0	0	0	0	0
	1730	3	1008.9	1008.6	-0.3	28.2	24.9	23.4	28.8	76	+10	6.5	+2.1	10.1	0	0	30	01	1	0	0	0	1	14	13	1	0
COCHIN(NAVAL AIR STATION)	0230	3	1010.5	1010.2	..	24.7	23.5	22.9	28.0	90	..	5.1	..	2.2	0	0	11	00	3	6	2	0	0	0	0	20	0
	0530	3	1010.2	1009.9	..	23.8	22.7	22.2	26.8	91	..	4.8	..	3.3	0	0	16	00	8	6	1	0	0	1	0	15	0
	0830	3	1012.1	1011.7	..	26.5	23.4	21.9	26.4	76	..	4.8	..	4.9	0	0	21	01	12	7	1	0	0	0	0	10	0
	1130	3	1012.0	1011.7	..	29.9	24.4	21.7	26.1	62	..	4.8	..	4.9	0	0	18	02	6	1	5	2	1	0	1	13	0
	1730	3	1008.9	1008.6	..	28.9	24.5	22.4	27.2	69	..	5.5	..	10.3	0	0	31	00	1	2	1	2	8	14	3	0	0
	2330	3	1011.7	1011.4	..	25.8	24.1	23.3	28.5	86	..	5.5	..	2.7	0	0	12	00	3	5	4	0	0	0	0	19	0
ALLEPPEY	0830	4	1012.2	1011.8	-0.4	26.0	24.0	23.0	28.2	84	+9	3.4	-0.5	5.7	0	1	29	00	13	11	4	1	1	0	0	1	0
	1730	4	1009.5	1009.1	+0.2	29.0	24.9	23.0	28.2	71	+3	4.1	+0.0	17.4	0	12	19	01	0	0	1	0	1	8	20	0	0
PUNALUR	0830	34	1012.3	1008.4	-0.5	24.4	22.5	21.5	25.8	84	+1	4.5	+0.6	0.8	0	0	6	00	1	2	2	0	0	1	0	25	0
	1730	34	1008.1	1004.4	-0.8	30.5	24.9	22.2	26.9	62	+0	6.7	+1.9	4.2	0	0	26	00	1	6	6	0	6	6	1	5	0
TRIVANDRUM	0230	64	1010.0	1002.7	..	24.3	23.1	22.5	27.3	90	..	3.9	..	3.2	0	0	13	02	4	3	1	0	1	1	1	18	0
	0530	64	1010.1	1002.7	..	23.6	22.5	22.0	26.5	91	..	4.8	..	3.5	0	0	20	02	13	1	1	0	0	1	1	11	1
	0830	64	1012.1	1004.7	-0.4	25.5	23.4	22.3	27.0	83	+3	5.2	+1.8	2.1	0	0	15	02	7	1	3	0	0	0	2	16	0
	1130	64	1011.6	1004.3	..	28.9	24.3	22.1	26.6	68	..	5.6	..	4.7	0	0	23	01	4	1	4	3	5	2	3	8	0
	1430	64	1008.9	1001.6	..	29.4	24.6	22.4	27.2	67	..	5.4	..	7.0	0	0	29	01	0	1	4	1	10	8	4	2	0
	1730	64	1009.3	1002.1	+0.0	27.8	24.3	22.7	27.6	74	+5	5.9	+1.6	4.8	0	0	24	00	1	1	4	2	8	6	1	7	1
	2030	64	1011.7	1004.3	..	26.0	24.1	23.2	28.6	85	..	4.3	..	2.5	0	0	13	03	1	4	2	0	3	0	0	18	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS - DECEMBER,1969AGRAHAYANA 10 - PAUSA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or ht. in gpm. of nearest standard isobaric level	At station level	Departure from normal	Mean temperature in °C Dry bulb	Wet bulb	Dew point	Vapour pressure in mbs.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	28 to 61	1 to 15	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
KERALA (CONTD)																											
TRIVANDRUM	2330	64	1011.7	1004.4	..	25.1	23.7	23.0	28.1	89	..	4.7	..	4.7	0	0	25	05	7	6	1	0	1	2	3	6	0
TRIVANDRUM AERODROME	0830	8	1012.4	1011.5	-0.1	26.1	23.5	22.2	26.9	80	+ 7	5.6	+1.8	6.2	0	0	24	06	4	12	1	0	0	0	0	7	1
ARABIAN SEA ISLANDS																											
AMINI	0530	4	1009.9	1009.5	..	24.9	23.1	22.2	26.8	85	..	3.2	..	3.5	0	0	12	01	5	1	2	2	0	0	1	9	0
	0830	4	1012.0	1011.5	-0.5	26.7	24.2	23.0	28.1	80	+ 6	3.9	+0.7	3.9	0	0	22	04	7	5	3	2	0	0	1	9	0
	1130	4	1012.2	1011.7	..	29.2	24.7	22.7	27.6	68	..	4.2	..	9.2	0	1	29	05	9	9	4	2	0	0	1	1	0
	1730	4	1009.3	1008.9	..	28.4	24.4	22.5	27.3	71	..	5.2	..	6.5	0	2	20	05	5	6	5	0	0	0	1	9	0
	2330	4	1011.7	1011.2	..	25.9	23.7	22.6	27.4	82	..	3.6	..	5.7	0	0	19	04	5	6	2	2	0	0	0	12	0
AGATTI	0830	4	1012.0	1011.5	..	27.2	24.5	23.2	28.5	79	..	5.7	..	7.0	0	0	31	02	11	13	4	1	0	0	0	0	0
	1730	4	1009.5	1009.0	..	28.2	24.7	23.0	28.1	74	..	5.2	..	8.0	0	3	25	05	8	7	4	1	0	0	3	3	0
ANDROTH	0830		(R)																								
	1730		(R)																								
MINICOY	0530	2	1010.1	1009.9	..	25.4	23.8	23.0	28.1	86	..	5.0	..	7.5	0	4	17	04	1	6	4	2	2	2	0	10	0
	0830	2	1012.0	1011.8	-0.3	27.3	24.7	23.5	29.0	80	+ 3	4.7	+0.7	8.6	0	2	28	03	4	8	7	1	5	0	2	1	0
	1130	2	1012.0	1011.8	..	29.5	25.5	23.7	29.3	72	..	5.1	..	8.7	0	0	30	05	5	5	7	0	3	1	0	1	0
	1430	2	1009.5	1009.3	..	30.0	25.6	23.6	29.3	69	..	5.0	..	8.7	0	1	30	06	5	3	10	3	2	1	0	0	1
	1730	2	1009.4	1009.2	-0.2	28.6	25.1	23.5	29.1	75	+ 1	5.5	+1.1	6.6	0	0	27	04	6	5	7	2	0	1	1	4	1
	2030	2	1011.5	1011.3	..	26.7	24.3	23.1	28.4	81	..	4.7	..	7.9	0	2	26	04	5	6	4	4	3	1	1	3	0
	2330	2	1011.7	1011.5	..	26.1	24.1	23.2	28.4	84	..	5.3	..	8.8	0	2	26	05	3	5	10	2	1	1	1	3	0
HILL STATIONS(EXCLUDING KASHMIR)																											
DALHOUSIE	0830	1959	1467.1	801.7	+0.5	10.0	8.3	6.0	10.1	79	+24	0.7	-1.1	..	.	..	..	00	0	0	0	0	0	0	0	31	0
	1730	1959	1456.1	800.7	+0.5	10.1	8.3	6.2	10.0	81	+14	1.7	-0.6	..	.	..	..	00	0	0	0	0	0	0	0	31	0
DHARMASALA	0830	1211	1565.2	887.3	+0.4	11.8	6.5	- 0.7	5.7	43	-16	2.5	-0.2	0.5	0	0	8	04	4	0	0	0	0	0	0	23	0
	1730	1211	1557.4	885.8	-0.1	15.6	9.5	2.7	7.5	43	-17	2.9	-0.5	1.9	0	0	25	00	0	0	1	1	17	6	0	6	0
BHUNTAR	0830	1096	1536.9	898.0	..	1.0	0.0	- 1.6	5.4	83	..	2.4	..	2.9	0	0	20	06	0	1	2	3	0	1	7	11	0
	1130	1096	1540.9	896.8	..	10.6	5.1	- 3.3	4.7	38	..	2.5	..	4.0	0	0	25	04	2	3	6	9	0	0	1	6	0
	1730	1096	1510.4	893.1	..	12.8	6.7	- 1.5	5.4	38	..	2.3	..	6.8	0	3	26	04	1	1	4	4	1	3	11	2	0
SIMLA	0830	2202	1523.5	783.9	+1.0	8.8	1.9	-11.1	2.7	25	-11	1.5	-1.2	1.2	0	0	18	00	8	0	6	0	3	0	1	13	0
	1730	2202	1510.8	782.7	+0.6	8.6	3.3	- 4.8	4.2	40	-15	1.2	-2.4	1.2	0	0	19	01	7	0	6	1	2	0	2	12	0
GHANGARIA (KANJALIA TOK)	0830		(R)																								
BADRINATH	0830		(R)																								
JOSHIMATH	0830		000.0	813.2	-0.2	6.2	6.1	6.1	9.5	99	+51	0.2	-2.6	5.1[a]	0	0	28	00	0	16	9	2	1	0	0	2	0
	1730		000.0	810.8	-0.5	10.7	10.6	10.5	12.7	99	+52	0.6	-2.3	2.6[c]	0	0	27	01	0	0	0	14	7	4	1	4	0
MUSSOORIE	0830	2042	1566.7	803.2	+3.8	8.5	5.6	2.3	7.3	66	+16	2.0	-0.6	1.1[c]	0	0	11	04	3	0	1	1	0	0	2	17	0
	1730	2042	1546.7	801.2	+3.0	8.9	7.7	6.5	9.8	85	+16	2.3	-1.0	1.5	0	0	15	02	2	0	5	5	1	0	0	16	0
MUKTESWAR (KUMAUN)	0830	2311	3142.9	775.1	+1.7	7.9	2.3	- 7.8	3.5	35	- 5	1.2	-0.3	6.8	0	0	28	02	2	5	1	0	4	8	6	3	0
	1730	2311	3125.9	773.5	+1.2	7.8	3.7	- 2.3	5.4	53	- 2	1.6	-0.8	8.8	0	3	24	00	0	1	0	0	3	14	9	4	0
NAINITAL	0830		(R)																								
	1730		(R)																								
KALIMPONG	0830	1209	1475.2	877.5	-4.4	12.6	10.1	7.7	10.8	72	- 4	0.0	-1.8	5.4	0	0	31	00	0	0	0	0	0	0	31	0	0
	1730	1209	1439.6	873.8	-5.5	12.8	10.4	7.9	10.9	72	- 6	0.1	-2.6	5.9	0	0	31	00	0	0	31	0	0	0	0	0	0
DARJEELING	0830	2128	1552.7	793.5	+0.4	7.9	6.0	3.6	8.1	76	+ 4	3.3	+0.2	..	.	..	..	00	0	0	0	0	0	0	0	31	0
	1730	2128	1532.4	791.6	+1.0	7.9	5.3	4.6	8.5	78	- 1	5.3	+0.9	..	.	..	..	00	0	0	0	0	0	0	0	31	0
KOHIMA	0830		(R)																								
	1730		(R)																								
SHILLONG(C.S.O.)	0830	1598	1535.0	843.9	+1.8	12.7	8.1	3.0	7.9	54	- 9	1.5	+0.1	2.2	0	0	22	02	4	3	2	1	4	2	4	9	0
	1730	1598	1512.9	841.6	+2.0	11.4	10.6	9.9	12.2	91	+ 7	5.7	-0.3	0.7	0	0	8	02	0	1	1	0	1	1	2	23	0
CHERRAPUNJI	0830	1313	1536.6	872.8	+0.9	14.7	11.9	9.4	12.0	72	+ 8	1.5	-0.5	16.1	0	12	19	00	19	0	7	0	4	0	1	0	0
	1730	1313	1513.1	870.5	+0.9	15.3	11.9	8.6	11.4	68	-14	3.9	+0.7	19.0	1	1	29	01	1	0	4	0	25	0	0	0	0
ABU	0830	1195	1546.3	886.1	+1.5	16.0	9.7	2.1	7.5	41	- 3	0.8	-0.4	0.0	0	0	0	00	0	0	0	0	0	0	0	31	0
	1730	1195	1535.0	884.4	+2.1	19.4	11.4	2.7	7.7	35	- 5	0.8	-0.5	0.2	0	0	1	00	1	0	0	0	0	0	0	30	0
AIJAL	0830		(R)																								
	1730		(R)																								
PACHMARHI	0830	1075	1545.3	899.0	+0.8	13.7	9.3	4.5	8.7	56	- 9	1.9	+0.0	0.5	0	0	7	00	0	4	1	0	2	0	0	24	0
	1730	1075	1531.7	896.6	+0.5	19.6	13.0	7.1	10.3	45	- 2	2.2	+0.1	1.3	0	0	20	01	12	3	1	0	0	0	3	11	0
MAHABALESHWAR	0830	1382	1533.1	865.5	+0.0	15.7	12.0	8.7	11.3	64	+ 8	0.8	-0.8	11.4	0	0	31	00	23	0	8	0	0	0	0	0	0
	1730	1382	1519.9	863.9	+0.3	20.5	15.2	10.7	11.9	55	+ 3	0.6	-1.1	10.3	0	0	31	00	25	0	5	0	1	0	0	0	0
MERCARA	0830	1152	1522.0	887.8	+0.4	16.9	15.8	15.1	17.3	90	+ 8	5.1	+1.6	19.9	0	16	15	08	8	14	0	0	0	0	0	0	1
	1730	1152	1510.1	885.7	+0.6	21.8	17.5	14.7	17.0	65	+ 7	3.5	+0.3	13.5	0	6	25	04	18	8	0	0	0	0	1	0	0
OOTACAMUND	0830	2249	1528.7	781.3	+0.6	12.2	10.4	8.9	11.6	81	+ 9	3.2	+0.6	0.6	0	0	6	00	1	0	0	0	5	0	0	25	0

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS – DECEMBER, 1969 AGRAHAYANA 10 - PAUSA 10, 1891 SAKA

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs.			Mean temperature in °C			Vapour pressure in mbs.	Relative Humidity %		Cloud Amount (Oktas)		Mean wind speed Km. per hour	No. of observations												
															Wind Speed (Km. p. h.)			Wind direction									
			At mean sea level or lin. in gen. of nearest standard barometric level	At station level	Departure from normal	Dry bulb	Wet bulb	Dew point			Departure from normal	Mean amount	Departure from normal		62 or more	20 to 61	1 to 19	N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
HILL STATIONS (EXCLUDING KASHMIR)																											
OOTACAMUND	1730	2249	1500.1	779.2	+0.1	14.9	13.3	12.6	14.6	84	+13	4.2	+0.3	0.9	0	0	8	00	3	1	2	0	2	0	0	23	0
COONOOR	0830		..	..	..	16.1	13.9	12.2	14.3	80	+ 9	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
KODAIKANAL	0830	2343	3161.0	772.6	+0.3	12.6	10.9	9.1	12.1	84	+15	5.7	+1.9	11.4	0	2	29	00	10	6	9	2	1	1	2	0	0
	1130	2343	3166.7	772.7	..	14.8	12.5	10.7	13.2	80	..	6.2	..	11.4	0	3	28	01	10	5	8	4	0	1	2	0	0
	1730	2343	3143.4	770.9	+0.2	12.7	11.5	10.5	12.8	87	+ 4	6.2	+1.0	8.0	0	3	27	05	10	4	3	2	2	1	3	1	0
MANALI	0830	6690	..	..	..	2.0	- 0.9	- 5.5	3.9	59	..	1.7	..	0.4	0	0	2	00	1	0	1	0	0	0	0	29	0
	1730	6690	..	..	..	7.9	2.8	- 5.1	4.0	40	..	1.5	..	0.2	0	0	1	00	1	0	0	0	0	0	0	30	0
NEPAL																											
KATMANDU	0830	1324	1537.4	872.6	-0.2	6.1	5.7	5.3	9.0	94	+ 5	5.4	+0.0	0.1	0	0	1	00	0	0	1	0	0	0	0	30	0
	1130	1324	1532.9	871.3	..	16.6	11.5	6.7	9.9	52	..	2.2	..	1.0	0	0	14	01	0	2	5	5	0	1	0	17	0
	1730	1324	1508.1	869.0	-0.7	12.9	9.9	7.0	10.1	68	- 2	2.2	+0.1	1.4	0	0	14	07	0	1	1	2	0	0	3	17	0
SIKKIM																											
LACHEN	0830		(R)																								
HYDROMETEOROLOGICAL OBSERVATORIES																											
DAMODAR CATCHMENT																											
TILAIYA	0830		..	..	..	16.7	12.8	9.0	11.7	62	..	0.7	..	1.7	0	0	15	00	0	0	0	0	0	9	6	16	0
	1730		..	..	..	19.4	13.3	7.4	10.5	46	..	1.0	..	1.1	0	0	14	00	0	0	0	0	0	4	10	17	0
HAZARIBAGH	0830	615	1018.1	947.7	..	16.1	12.3	9.1	11.6	63	..	1.3	..	2.0	0	0	14	00	1	9	0	0	1	2	1	17	0
	1730	615	1014.8	944.8	..	16.8	12.9	9.7	12.2	63	..	1.1	..	2.5	0	0	16	00	2	3	2	0	0	6	3	15	0
KONAR	0830		..	..	..	16.4	13.1	10.1	12.5	67	..	1.3	..	2.6	0	0	18	00	0	0	1	0	0	4	13	13	0
	1730		..	..	..	18.7	14.3	10.5	12.9	60	..	0.9	..	1.7	0	0	12	03	1	1	0	0	1	2	4	19	0
BOKARO	0830	242	1017.7	989.3	..	15.8	11.2	6.5	9.8	54	..	0.8	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
	1730	242	1012.5	984.8	..	22.7	15.0	8.1	10.8	40	..	0.5	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
MAITHON	0830		..	..	..	22.2	15.3	9.3	11.8	44	..	1.3	..	3.2	0	0	31	00	4	0	0	0	0	0	27	0	0
	1730		..	..	..	23.0	16.2	10.7	13.0	47	..	1.1	..	3.2	0	0	31	00	5	0	0	0	0	0	26	0	0
RAMGARH	0830		..	..	..	14.0	11.4	8.8	11.4	71	..	0.5	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
	1730		..	..	..	18.7	13.4	8.3	11.1	51	..	0.5	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
PANCHET HILLS	0830		..	..	..	16.8	13.7	11.0	13.3	69	..	1.5	..	1.5	0	0	21	00	3	0	0	0	8	0	10	10	0
	1730		..	..	..	21.3	15.1	9.7	12.2	48	..	1.1	..	0.1	0	0	2	00	0	0	0	0	0	0	2	29	0
DURGAPUR	0830		..	..	..	18.1	14.3	11.1	13.4	64	..	0.0	..	10.9	0	3	28	17	0	1	0	1	0	1	11	0	0
	1730		..	..	..	22.0	15.7	10.4	12.9	48	..	0.0	..	6.8	0	0	31	22	0	1	0	0	1	1	6	0	0
MAHANADI CATCHMENT																											
GINABAHAR	0830		..	..	..	14.6	11.1	7.8	10.9	64	..	0.2	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
HIRAKUD	0830	159	1018.5	999.9	..	19.1	15.1	11.7	14.1	63	..	1.8	..	2.3	0	0	19	11	4	1	0	0	0	0	2	12	1
	1130	159	1017.1	998.8	..	23.9	16.9	11.3	13.7	46	..	1.8	..	1.5	0	0	17	03	7	0	0	0	0	0	6	14	1
	1730	159	1014.3	996.1	..	23.7	17.2	12.2	14.5	49	..	2.1	..	0.3	0	0	3	00	0	0	0	0	1	0	2	28	0
BHIMKUND	0830		(R)																								
	1730		(R)																								
SONEPUR	0830		..	..	..	19.0	16.2	14.0	16.3	73	..	1.5	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
KHIJRAWAN	0830		..	..	..	17.6	14.1	10.9	13.4	66	..	2.5	..	6.3	0	0	31	02	3	12	9	0	2	2	1	0	0
	1730		..	..	..	23.5	15.5	8.6	11.4	40	..	2.7	..	6.9	0	0	31	11	10	1	3	2	0	0	4	0	0
NARMADA CATCHMENT																											
BAGRA TANK	0830		..	..	..	14.5	10.6	6.3	9.7	58	..	1.7	..	6.3	0	0	22	03	8	5	0	0	0	5	1	9	0
	1730		..	..	..	22.9	15.0	7.7	10.8	39	..	1.7	..	4.3	0	0	22	03	5	8	6	0	0	0	0	9	0
PUNA SA[illegible]	0830		..	..	..	16.3	11.9	7.3	10.4	56	..	.	..	5.4	0	0	31	00	31	0	0	0	0	0	0	0	0
	1730		..	..	..	25.5	16.7	9.5	12.0	37	..	.	..	3.2	0	0	31	00	31	0	0	0	0	0	0	0	0
THIKRI	0830		..	..	..	21.7	15.1	9.3	12.0	46	..	1.3	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
SABARMATI CATCHMENT																											
DAROI	0830		..	..	..	17.8	11.9	5.7	6.7	45	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	26.8	16.5	7.6	10.4	30	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
JHADOL	0830		(R)																								
GANDAK CATCHMENT																											
JAMOSON	0830		..	..	..	2.8	1.0	- 1.7	5.4	70	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	5.3	3.1	0.5	6.4	73	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
KHUDI BAZAR	0830		..	..	..	12.8	10.0	7.1	10.2	69	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	17.1	12.8	9.3	11.8	61	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..

TABLE III - SUMMARY OF OBSERVATIONS AT FIXED HOURS— DECEMBER,1969AGRAHAYANA 10 - PAUSA 10,1891 SAKA)

SUB-DIVISION AND STATION	Hour of observation I.S.T.	Station elevation in metres	Mean pressure in mbs. At mean sea level or Ht. in gpm. of mean standard isobaric level	Mean pressure in mbs. At station level	Mean pressure in mbs. Departure from normal	Mean temperature in °C Dry Bulb	Mean temperature in °C Wet Bulb	Mean temperature in °C Dew point	Vapour pressure in mb.	Relative Humidity %	Departure from normal	Cloud Amount (Oktas) Mean amount	Cloud Amount (Oktas) Departure from normal	Mean wind speed Km. per hour	No. of observations Wind Speed (Km. p. h.) 62 or more	20 to 61	1 to 19	Wind direction N	NE	E	SE	S	SW	W	NW	Calm	Variable
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
GANDAK CATCHMENT																											
TIMURE	0830		..	..	..	5.8	2.3	3.1	4.9	54	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	10.5	7.0	3.3	7.9	62	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
POKHARA	0830		..	..	..	13.3	10.7	8.4	11.1	73	..	2.2	..	2.4	0	0	24	14	2	0	1	1	1	0	5	7	0
	1130		..	..	..	18.5	13.2	8.7	11.3	53	..	2.2	..	6.3	0	0	31	00	1	0	16	12	1	0	0	0	1
	1730		..	..	..	16.7	12.7	9.3	11.8	62	..	3.2	..	0.4	0	0	6	00	1	2	3	0	0	0	0	25	0
GORKHA	0830		..	..	..	13.8	11.0	8.6	11.2	71	..	2.0	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
	1130		..	..	..	17.1	13.1	9.9	12.2	63	..	2.2	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
	1730		..	..	..	14.8	11.4	8.4	11.1	66	..	1.4	..	..	.	..	..	00	0	0	0	0	0	0	0	31	0
NUWAKOT	0830		..	..	..	13.6	11.4	9.4	11.9	76	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	16.6	12.3	8.4	11.1	59	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT(TRANS HIMALAYAN REGION)																											
DAILEKH	0830		..	..	..	10.3	7.1	3.4	7.8	63	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	12.5	9.3	6.1	9.5	66	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
GHAGHARA CATCHMENT																											
SALLYANA	0830		..	..	..	10.5	7.8	4.9	8.7	69	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	13.9	9.9	5.9	9.3	59	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BUTWAL	0830		..	..	..	17.7	13.4	9.5	12.0	59	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	19.0	15.6	13.0	15.1	68	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
*BAGHMATI CATCHMENT																											
KATHMANDU																											
	SEE UNDER NEPAL																										
KOSI CATCHMENT																											
WALUNGCHUNG GOLA	0830		..	..	..	2.9	- 0.8	- 6.7	3.7	53	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	1.4	- 0.3	- 2.7	5.0	76	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLETHOK	0830		..	..	..	11.7	8.9	5.7	9.5	68	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	13.9	9.6	4.9	8.8	55	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BHOJPUR	0830		..	..	..	12.9	9.4	6.2	9.6	65	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	11.0	8.7	6.5	9.8	75	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
TAPLEJUNG	0830		..	..	..	8.0	6.5	4.8	8.8	80	..	3.3	..	1.1	0	0	11	01	1	1	1	4	0	1	2	20	0
	1130		..	..	..	13.5	9.7	6.2	9.6	62	..	3.6	..	1.9	0	0	20	01	1	0	1	1	1	5	6	11	4
	1730		..	..	..	10.9	7.7	4.6	8.5	65	..	2.7	..	4.1	0	0	24	00	0	0	7	16	1	0	0	7	0
OKHALDHUNGA	0830		..	..	..	10.6	8.0	5.4	9.1	72	..	2.1	..	0.9	0	0	12	00	0	0	4	5	1	0	1	19	1
	1130		..	..	..	14.4	9.8	5.5	9.1	56	..	3.2	..	1.9	0	0	21	00	0	1	5	7	3	2	0	10	3
	1730		..	..	..	9.8	8.0	6.4	9.7	79	..	4.6	..	2.8	0	0	15	01	0	0	0	0	2	8	4	16	0
CHAINPUR	0830		..	..	..	12.8	10.4	8.1	10.9	73	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	14.2	11.4	8.9	11.5	71	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
BARAHAKSHETRA	0830	146	1019.3	1002.1	..	15.6	13.0	10.7	13.0	73	..	0.8	..	3.3	0	0	18	01	1	1	4	7	1	3	0	13	0
	1130	146	1016.8	1000.0	..	21.1	15.9	11.8	14.0	56	..	1.0	..	0.8	0	0	8	01	0	0	0	0	1	4	2	23	0
	1730	146	1015.1	998.0	..	17.8	15.0	12.7	14.8	72	..	1.1	..	3.3	0	0	29	00	0	29	0	0	0	0	0	2	0
TISTA CATCHMENT																											
GANGTOK	0830	1812	1540.5	822.9	..	7.9	6.7	5.3	9.1	84	..	4.0	..	1.9	0	0	15	04	5	0	1	2	2	1	0	16	0
	1130	1812	1524.9	821.9	..	13.1	9.6	6.4	9.7	66	..	4.5	..	4.8	0	0	31	00	0	0	0	12	13	2	4	0	0
	1730	1812	1513.6	820.5	..	10.3	8.3	6.4	9.7	77	..	5.5	..	2.1	0	0	20	01	0	1	9	8	1	0	0	11	0
GEZING	0830		..	..	..	11.2	9.0	7.0	10.1	77	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..
	1730		..	..	..	12.5	9.9	7.5	10.5	73	..	.	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..