GOVERNMENT OF INDIA

India METEOROLOGICAL DEPARTMENT

INDIA WEATHER REVIEW

1931

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Director General of Observatories

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INDIA WEATHER REVIEW, 1931

INTRODUCTION.

THE India Weather Review for each year from 1923 onwards is composed of the Monthly Weather Reports, which are published promptly at the end of each month, and the Annual Summary, which is intended primarily for scientific reference and must always be somewhat delayed in publication in order to allow time for the collection and analysis of statistics from all provincial rainfall stations and extra-Indian stations, as well as of logs of steamers used in the discussion of storms in the Indian seas.

Each Monthly Weather Report gives a short account of the weather of the month and includes the following three tables :—

I—mean monthly data of rainfall, temperature, humidity and cloud for the 15 chief political divisions,

II—similar data for the 33 sub-divisions,

III—monthly means for each of the 189 stations, which telegraph observations daily at 8 hrs. to headquarters; these means form the basis of the divisional means appearing in the above-mentioned Tables I and II.

Beginning with the issue for 1928, the Annual Summary is published in seven parts as detailed below :—

Introduction ; Table of contents Introduction, and List of publications issued by the Department.

A.—Summary of Weather and Rainfall—

(i) Chief Features of Rainfall and of the most important storms. It also contains references about any features of temperature, pressure, etc., which happen to be outstanding during the year.

A.—Summary of Weather and Rainfall—*contd.*

(ii) General Remarks on the Weather of the year in a narrative form which have hitherto appeared under the headings General Remarks, Pressure, Temperature, Humidity, Cloud and Rainfall. They are followed by the usual tables of Pressure, Temperature, Humidity, Cloud and Rainfall for the chief divisions of India.

(iii) Three plates showing the monthly and seasonal distribution of rainfall and monthly departures of pressure.

B.—Snowfall.

C.—Storms and depressions. This describes all storms and depressions and contains articles on Western disturbances, local storms, and storm track charts.

D.—Annual Tables D_1 D_2 D_3 D_4 and D_5 corresponding to tables A, B, C and D of the Annual Summary up to 1927 containing the yearly data for each station and the monthly data of stations not reporting to the Indian Daily Weather Report. The additional climatic tables for Kodaikanal, Madras, Bombay and Trivandrum are given in the appendix.

E.—Seismic Records at Agra, Bombay, Calcutta and Kodaikanal.

F.—Errata sheets for the Monthly Weather Reports.

The articles and tables on solar and magnetic activity are omitted, but will appear in the Kodaikanal and Bombay publications. The tables of pilot balloon and sounding balloon data and of cloud direction frequencies have been excluded from this publication and are being published separately in monthly and annual volumes of " Upper Air data." The accounts of storms and of rainfall distribution that appear in the Annual Summary are based on much fuller information than was available at the time of publication of the Monthly Weather Reports. The rainfall summary is based on the data of about 3,100 stations, and tables A-7 to A-12 are, therefore, more accurate than the Tables I and II of each Monthly Weather Report.

Notes on conditions of exposure of instruments, on methods of reduction and on form of presentation of data.

The following notes concerning the methods of observation in India and of reduction and grouping of results will probably be of some help to users of this volume.

Territorial divisions.

The system of territorial divisions, which has remained unchanged since 1st April 1912, is as follows:—

Chief political divisions.	Sub-divisions.
	Bay Islands.
Burma	Lower Burma.
	Upper Burma.
Assam	Assam.
Bengal	Bengal.
Bihar and Orissa	Orissa.
	Chota-Nagpur.
	Bihar.
United Provinces	United Provinces, East.
	United Provinces, West.
Punjab	Punjab, East and North.
	Punjab, Southwest.
	Kashmir.
North-West Frontier Province	North-West Frontier Province.
	Baluchistan.
Sind	Sind.
Rajputana	Rajputana, West.
	Rajputana, East.
Bombay	Gujarat.
	Konkan.
	Bombay Deccan.
Central India	Central India, West.
	Central India, East.
Central Provinces	Berar.
	Central Provinces, West.
	Central Provinces, East.
Hyderabad	Hyderabad, North.
	Hyderabad, South.
Mysore	Mysore.
Madras	Malabar.
	Madras, Southeast.
	Madras Deccan.
	Madras Coast, North.

Barometric pressure.

Mercurial barometers on Fortin's principle with tubes of 0·4″ bore throughout have always been in use at most of the observing stations in India; but of late years the department has introduced an increasing number of Kew pattern barometers.

Aneroid barometers were in use at Ispahan, Tehran and Kashgar.

At Calcutta, Bombay, Poona, and Trivandrum the standards are Newman instruments, with adjustable scales and fiducial points, and tubes of large bore.

All instruments are compared at Calcutta before issue and their corrections determined to the Calcutta standard, which was, until 1910, about ·011″ higher than the Kew standard. The present difference is probably less than this, but the determination of the exact amount is a matter of difficulty (*see* the Departmental Memoirs, Vol. XXI, pp. 127-8, 1916).

The barometers are in all cases situated in masonry buildings to protect them as much as possible from rapid changes of temperature.

The heights above mean sea level of the barometers are given in Tables D-1, D-2, and D-3 in Part D. Those heights, which have been obtained accurately by actual measurement from datum levels determined by the Great Trigonometrical Survey of India, are given in ordinary type; the heights of a few stations have been determined barometrically and are printed in italics.

All readings are reduced to 32° F and to standard gravity.

Temperature.

There are now two standard methods of exposing thermometers in India. The old method lay in the use of large open-sided sheds to protect the instruments from extraneous radiation. A detailed description of the shed and of the methods of exposure will be found in the Instructions to Observers of the India Meteorological Department (1902 edition) and in the Annual Report on the Meteorology of India for the year 1887, page 37. The cost of the sheds and of their upkeep rose greatly after the war, and it became necessary to consider other devices for efficiently shading thermometers. Experiments with other types of shed and with various louvred Stevenson screens were carried out at Agra and described in Vol. XXIV, Part III, of the Memoirs of this department. As a result it was decided to replace all sheds in India by Stevenson screens, as opportunity offered. The pattern of screen adopted for use in India has free inside measurements of about 22″ length, 14″ depth and 17″ height, and is somewhat larger than the pattern approved in 1884 by the Thermometer Screen Committee of the English Meteorological Society, and larger too than the "small model" in common use in Germany. It is made of teak wood painted white and has four double louvred sides and a perforated top and bottom. A sloping extra cover of wood protects the top from sun and rain. The door on the north side has

14 louvres and the remaining sides have 16 louvres each. A beginning was made with this policy in the year 1923 and by the end of the year 1931 sheds were replaced by Stevenson screens at 192 stations. All thermometers in use have been verified by comparison with Kew standard thermometers at Calcutta and are restandardised from time to time; all thermometer readings are corrected to their true values.

Terrestrial Radiation.

Observations of terrestrial radiation thermometers were recorded during the year 1931 at Calcutta, Lahore, Srinagar, Poona, Kodaikanal and Madras and the results are given in Table D-1 and the Appendix. The normals used are based on more than 50 years' data except at Srinagar and Kodaikanal where the records extended over about 30 years.

Surface winds.

All anemometers used in India are compared before issue with the standard Beckley anemograph at the Alipore Observatory, Calcutta, but as only the instruments with small corrections are issued and as it is impracticable to prevent slight alterations in exposure resulting from growth of trees or erection of buildings, it has been considered unnecessary to apply any correction to the observed values.

Up to 1911 the factor representing the ratio of air movement to travel of Beckley cups had in India, as in other countries, been taken at 3·0; but from that year the generally accepted factor of 2·2 has been used (*see* note on page 8, Monthly Weather Review, January 1912). The wind data published consist of observations of the direction of the wind at 8 hrs. and of the mean hourly air movement as registered by Robinson anemometers during the 24 hours ending at 8 hrs. For stations in Tables D-1 and D-2 the wind data include for each month and year the frequency of the wind direction from 8 compass points at both the hours of observation. The resultant direction is calculated in all cases by the use of Lambert's formula in which equal values are given to each wind observation irrespective of velocity.

Humidity and cloud.

The hygrometric data are calculated by means of the departmental "Tables for the reduction of meteorological observations in India." The proportion of cloud is estimated in tenths of the sky expanse, an overcast sky being denoted by 10 and a cloudless sky by 0.

Rainfall.

Symons's raingauges are now used at all raingauge stations, with the exception of those in Mysore and Travancore. The time of measuring rainfall is 8 hrs., local time, throughout India, and the amounts then registered give the rainfall of the previous 24 hours.

The rainfall data for each province are generally tabulated in the office of the Director of Land Records, or other officer in the province, and published in the provincial gazettes. The data of Baluchistan, Kashmir, Rajputana, the North-West Frontier Province and Central India are, however, published by the Poona Meteorological Office. These provincial tables are collected together and are issued annually in a separate volume entitled "Rainfall of India". The forty-first volume, that of 1931, contains the whole rainfall data of about 3,100 stations which are utilised in preparing Tables A-7 to A-12 on pages A-12 to A-22. In these provincial tables and in the rainfall observations at the meteorological observatories published in this volume a "rainy day" is taken to be one on which 0·10 inch or more of rain is recorded.

Tables.

Table D-1 contains the monthly and annual means of observations recorded at 10 hrs. (L.T.) and 16 hrs. (L.T.) or 17 hrs. (I.S.T.) at 14 stations. The daily means of pressure, temperature, humidity and vapour tension given in this table have been reduced to true mean of the day by the application of appropriate corrections given in Vol. XVII of the Memoirs of the Indian Meteorological Department or obtained later from available hourly observations down to 1920. The daily means of Kodaikanal are those obtained from the hourly records of self-recording instruments corrected by eye readings. All the data of Bombay with the exception of cloud are also taken from autographic charts. The departures from normal are based upon normal values derived from all available data down to 1899 as published in the Indian Meteorological Memoirs, Vol. XVII. In finding the monthly means of maximum and minimum temperatures in this table, a day is reckoned from midnight to midnight; in all other tables it is reckoned from 8 A.M. to 8 A.M. Thus the month will end at midnight ending on the last day of the month in the former case and at 8 A.M. of the last civil day of the month in the latter. The small differences between the monthly means for the same stations in this table and in the other tables are due to this cause. Table D-2 contains the monthly and annual means of 4 hrs. and 14 hrs. (G. M. T.) observations recorded at 15 stations in Persia and the adjoining areas.

Table D-3 contains the annual means of 8 hrs. observations recorded at 181 stations whose monthly means are published in Table III of the Monthly Weather Reports, as well as the monthly and annual means of 44 non-reporting stations in India and the neighbouring countries. Table D-4 gives similar data from observations recorded at 18 fourth class observatories. The departures from the normal given in these tables are based upon the normal values determined from all available data down to 1920. Table D-5 gives monthly and annual rainfall a 29 fifth class stations.

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Tables for the Reduction of Meteorological Observations in India, 3rd Edition (1925) . . . . . Rs. 5-8	Departmental.
Handbook of Cyclonic Storms in the Bay of Bengal for use of Sailors :	Sir John Eliot.
Vol. I, Text, 2nd Edition (1900) . . . Rs. 4*	
Vol. II, Plates, 2nd Edition (1901) . . Rs. 1-8*	
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‡ Copies for 1891 to 1905, 1908, 1910 and 1911 are out of print.

§ Discontinued from January 1921. Copies for 1891—97, January, March and May 1898, and January 1899, to June, September, and October 1903 and January to March, May, June and November 1904, September 1907, February, May to July 1908, January to April and August 1909, January 1911, and May and July 1912, April to July 1916 are out of print.

‖ Started from January 1923. Published early in the succeeding month.

†† Discontinued from 1922.

¶ These prices include postage in India.

§§ Discontinued from 1928.

¶¶ Discontinued from January 1932.

MGIPC—M—VIII-3-54—10-1-33—290.

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MONTHLY WEATHER REPORT

FOR

January 1931

Supplement to the Indian Daily Weather Report for the 18th February 1931

Published by order of the Governor-General in Council

Summary.—Weather was drier than usual on the plains of northern India, despite the eastward passage of eight western disturbances, which gave normal precipitation in Kashmir, the North-West Frontier Province and Baluchistan. Day temperatures were higher than usual over northern India.

Of the eight western disturbances which entered northwest India during the month, the first gave local rain or snow in Kashmir up to the 4th. The second western disturbance, which lay as a depression over the Persian Gulf on the 5th, moved to the Punjab through Baluchistan by the 9th, causing fairly widespread rain in Baluchistan and the North-West Frontier Province. Moving slowly eastwards, it filled up after causing widespread rain in the North-West Frontier Province, Kashmir, the Punjab hills and the adjacent plains on the 10th and 11th. The third caused only a few light falls of rain or snow in Kashmir on the 14th and 15th. The next two disturbances passed in quick succession after causing nearly general rain or snow along the northwest frontier and in Kashmir and its neighbourhood between the 17th and 20th. The sixth disturbance was responsible for widespread rain along the northwest frontier and in Kashmir and the Punjab between the 22nd and 25th. The next disturbance passed away eastwards through Kashmir after giving a few falls of rain or snow there and in the North-West Frontier Province between the 25th and 27th. The last disturbance of the month began affecting the frontier on the 29th and caused nearly general rain in Baluchistan on the 30th and 31st and local rain in Kashmir, with a few light falls in Sind, the North-West Frontier Province and along and near the Punjab-Kumaon hills on the 31st. Widespread thundershowers also occurred in the Central Provinces between the 29th and 31st.

2. The northeast monsoon was generally weak during the month. A few falls of rain occurred in southeast Madras from the 1th to 6th and between the 12th and 17th.

3. The month's rainfall was in large defect in Burma, Bengal, Chota Nagpur, Bihar, Orissa, the United Provinces, the southwest Punjab, Sind, Rajputana, Gujarat, Central India, Berar and the whole of the Peninsula excluding southeast Madras, in moderate defect in the Bay Islands, Assam, the east and north Punjab and the east Central Provinces, and in slight defect in the west Central Provinces. It was in slight excess in Kashmir and southeast Madras and in moderate excess in the North-West Frontier Province. Averaged over the plains of India, the month's rainfall was in defect by 54 per cent.

4. In connection with the eastward movement of a western disturbance, high temperatures prevailed in northwest India, the west United Provinces, Gujarat and the central parts of the country between the 5th and 10th. With the incursion of cold winds at the rear of the disturbance, temperatures fell and were normal between the 11th and 15th. Over these regions, excluding Baluchistan and the North-West Frontier Province where both the maximum and minimum temperatures were below normal after the 22nd, high day temperatures again prevailed from the 15th up to the 26th due to the passage of a number of disturbances in quick succession; nights were also warmer than usual between the 23rd and 26th. The high temperatures also extended into northeast India between the 22nd and 26th. Both the mean maximum and minimum temperatures were above normal in Bengal, Chota Nagpur, the east United Provinces, Kashmir, Central India and the west Central Provinces. The mean maximum was above normal in Burma, Bihar, Orissa, the west United Provinces, the Punjab, Rajputana and Berar, and below it in the Bay Islands; the mean minimum was above normal in Assam, the Konkan and Malabar.

Summary of the Local Conditions

Burma, including the Bay Islands.—The month's rainfall was in moderate defect in the Bay Islands and in large defect in Lower and Upper Burma. The month's mean maximum temperature

[Price 4 annas.]

was above normal in Lower and Upper Burma and below it in the Bay Islands. The cloud amount was also above normal in the Bay Islands.

Northeast India, including Orissa.—The total rainfall of the month was in large defect throughout the whole division except Assam, where it was in moderate defect. The maximum was above normal in the whole of the division excluding Assam and the minimum in Assam, Bengal and Chota Nagpur. Skies were more clouded than usual in Chota Nagpur.

The United Provinces, Central India and the Central Provinces.—The rainfall was in large defect in the United Provinces, Central India and Berar, in moderate defect in the east Central Provinces and in slight defect in the west Central Provinces. The maximum was above normal in the whole of the division excluding the east Central Provinces and the minimum excluding the east Central Provinces and the west United Provinces. Cloud proportion was in excess in east Central India. Humidity was in defect in the United Provinces, Berar and the west Central Provinces.

Northwest India.—The rainfall for the month was in large defect in the southwest Punjab, Sind, Rajputana, and Gujarat, and in moderate defect in the east and north Punjab. It was normal in Baluchistan, in slight excess in Kashmir and in moderate excess in the North-West Frontier Province. Day temperature was higher than usual in the Punjab, Kashmir and Rajputana, and the minimum in Kashmir. Humidity was in excess in Kashmir and Baluchistan, and in defect in the southwest Punjab, Sind, east Rajputana and Gujarat. Cloud proportion was more than usual in the North-West Frontier Province, Baluchistan and Gujarat, and less than usual in west Rajputana.

The Peninsula.—The rainfall of the month was in large defect over the whole division except southeast Madras, where it was in slight excess. The maximum was above normal in the Konkan and the minimum in the Konkan and Malabar. Humidity was normal in South Hyderabad, Mysore, Malabar and the Madras Deccan, and in defect elsewhere. Cloud proportion was normal in south Hyderabad and in excess over the rest of the division.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 33 sub-divisions. Table III contains the monthly means of the 8 hrs. observations published in the Indian Daily Weather Reports; the divisional means, Tables I and II, are based on these observations.

POONA:
The 7th February 1931.

C. W. B. NORMAND,
Director-General of Observatories.

Division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
Burma ...	0·04	0·22	−0·18	− 82	+2·3	+0·8	− 2	−0·1
Assam ...	0·43	0·78	−0·35	− 45	+1·5	+2·7	+ 1	+0·6
Bengal ...	0·04	0·31	−0·27	− 87	+3·1	+2·1	0	0
Bihar and Orissa ...	0·18	0·53	−0·35	− 66	+3·1	+1·3	+ 2	+0·5
United Provinces ...	0·03	0·94	−0·91	− 97	+1·5	+1·3	− 3	−0·1
Punjab ...	0·68	1·16	−0·48	− 41	+3·0	+0·7	− 1	+0·1
North-West Frontier Province.	1·32	1·03	+0·29	+ 28	+0·8	+0·9	+ 1	+1·3
Sind ...	0·04	0·33	−0·29	− 88	+0·1	0	− 8	−0·1
Rajputana ...	0·02	0·28	−0·26	− 93	+3·2	+1·3	− 8	−0·5
Bombay ...	0·02	0·10	−0·08	− 80	+1·9	+1·0	− 9	+0·6
Central India ...	0·09	0·50	−0·41	− 82	+1·9	+2·1	− 1	+0·5
Central Provinces ...	0·34	0·48	−0·14	− 29	+2·9	+1·6	− 4	+0·3
Hyderabad ...	0·01	0·25	−0·24	− 92	+0·9	+0·5	0	0
Mysore ...	0	0·22	−0·22	−100	+0·9	+1·1	+ 4	+0·8
Madras ...	0·64	0·76	−0·12	− 16	−0·3	+0·8	− 3	+0·9
Mean of India ...	0·23	0·50	−0·27	− 54	+2·4	+1·2	− 3	+0·3

Sub-division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
1. Bay Islands ...	1·04	1·63	− 0·59	− 36	−2·0	+0·8	− 4	+1·7
2. Lower Burma ...	0·07	0·25	− 0·18	− 72	+2·4	+1·6	− 2	+0·3
3. Upper Burma ...	0	0·19	− 0·19	− 100	+2·1	−0·2	− 2	−0·5
4. Assam ...	0·43	0·78	− 0·35	− 45	+1·5	+2·7	+ 1	+0·6
5. Bengal ...	0·01	0·31	− 0·27	− 87	+3·4	+2·1	0	0
6. Orissa ...	0·17	0·40	− 0·23	− 57	+2·7	+0·8	+ 3	+0·4
7. Chota Nagpur ...	0·22	0·72	− 0·50	− 69	+2·1	+2·7	− 1	+1·3
8. Bihar ...	0·15	0·51	− 0·36	− 71	+3·6	+1·1	+ 2	+0·3
9. United Provinces, East ...	0·01	0·72	− 0·71	− 99	+4·1	+2·2	+ 1	−0·1
10. Do. do. West ...	0·05	1·14	− 1·09	− 96	+5·0	+0·5	− 7	−0·1
11. Punjab, East and North ...	0·96	1·52	− 0·56	− 37	+3·7	+0·4	− 2	+0·3
12. Do. Southwest ...	0·17	0·53	− 0·36	− 68	+2·0	+1·1	− 7	+0·5
13. Kashmir ...	3·30	2·90	+ 0·40	+ 14	+5·3	+6·8	+16	+1·5
14. North-West Frontier Province ...	1·32	1·03	+ 0·29	+ 28	+0·8	+0·9	+ 1	+1·3
15. Baluchistan ...	1·26	1·23	+ 0·03	+ 2	+0·6	+1·1	+19	+1·6
16. Sind ...	0·01	0·33	− 0·29	− 88	+0·1	0	− 8	−0·4
17. Rajputana, West ...	0	0·24	− 0·24	− 100	+2·9	+1·1	− 3	−0·7
18. Do. East ...	0·03	0·30	− 0·27	− 90	+3·5	+1·5	−12	−0·4
19. Gujarat ...	0·01	0·08	− 0·01	− 50	+1·5	+0·2	−11	+0·7
20. Central India, West ...	0·03	0·25	− 0·22	− 88	+3·1	+1·7	− 3	−0·3
21. Do. do. East ...	0·15	0·75	− 0·60	− 80	+6·7	+2·5	+ 1	+1·1
22. Berar ...	0·10	0·39	− 0·29	− 74	+2·5	+2·3	− 9	+0·3
23. Central Provinces, West ...	0·44	0·51	− 0·07	− 14	+4·0	+2·1	− 7	+0·3
24. Do. do. East ...	0·30	0·47	− 0·17	− 36	+1·5	+0·3	+ 3	+0·3
25. Konkan ...	0	0·07	− 0·07	− 100	+3·4	+2·6	−10	+0·4
26. Bombay Deccan ...	0	0·14	− 0·14	− 100	+1·5	+1·0	− 5	+0·5
27. Hyderabad, North ...	0	0·30	− 0·30	− 100	+1·7	+1·5	− 5	+0·7
28. Do. South ...	0·01	0·21	− 0·20	− 95	+0·4	0	+ 2	−0·4
29. Mysore ...	0	0·22	− 0·22	− 100	+0·9	+1·1	+ 4	+0·8
30. Malabar ...	0·21	0·47	− 0·26	− 55	+1·0	+2·5	− 2	+1·6
31. Madras, Southeast ...	1·39	1·19	+ 0·20	+ 17	−0·8	+1·6	− 5	+1·1
32. Do. Deccan ...	0	0·24	− 0·24	− 100	−1·7	+0·7	+ 3	+0·8
33. Do. Coast North ...	0·01	0·51	− 0·50	− 98	+0·5	−1·3	− 5	+0·1

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.			
					MEAN S.H.		MAXIMUM.			MINIMUM.									
	At Station reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean at 8 h.	Departure from normal.	Mean amount at 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in 24 hours.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BAY ISLANDS																				
Port Blair	29·874	+·029	N 12 E	5·7	79·0	72·1	84·1	2·9	86	76·4	+0·8	71	56	4	5·7	1·04	0·59	3	+1·0	0·76
LOWER BURMA																				
Victoria Point	29·772	+·020	N 48 E	5·3	78·5	75·0	87·4	+1·1	90	75·0	+2·3	72	78	+ 2	4·8	0·06	+0·24	0	+0·8	0·06
Mergui	29·868	+·07	...	...	77·5	72·5	87·7	+0·2	93	71·9	+4·1	65	90	8	5·7	0·96	0·54	1	+0·4	0·92
Tavoy	29·925	+·013	N 33 E	2·1	75·2	69·6	92·9	+3·6	96	65·1	+0·2	50	83	4	2·0	0	+0·20	0	+0·9	0
Amherst	29·881	...	N 83 E	5·8	75·2	8c·1	89·4	...	93	70·6	...	68	72	...	5·8	0	...	0	...	
Rangoon	29·945	+·007	N 25 E	3·1	79·1	66·2	92·2	+2·6	95	67·1	+2·2	63	86	- 2	3·1	0·18	+0·03	1	+0·7	0·18
Bassein	29·938	+·030	N 20 E	3·2	c9·6	75·4	89·6	+1·1	93	68·9	+1·0	59	80	- 7	2·5	0	+0·12	0	+0·1	0
Diamond Island	29·963	+·019	N 11 E	3·5	76·6	71·0	85·6	+1·4	88	74·4	+2·9	71	76	+ 1	2·5	0	+0·18	0	+0·3	0
Gwa	29·875	...	S 34 E	2·6	09·1	64·2	83·8	...	99	58·6	...	52	80	...	2·2	0	...	0	...	0
Tonngoo	29·837	+·016	...	...	65·9	62·6	88·0	+3·6	91	58·5	+0·8	52	70	- 10	3·1	0	+0·20	0	0·3	0
Kyaukpyu	29·936	+·031	N 37 E	...	...	...	...	...	...	...	...	...	...	...	0·8	0	+0·05	0	+0·3	0
Akyab	29·973	+·004	N 16 E	5·5	65·1	61·7	82·7	+1·9	88	58·9	0·1	56	84	5	1·1	0	+0·06	0	+0·1	0
UPPER BURMA																				
Minbu	29·829	+·05	N 45 W	2·1	66·2	60·0	84·5	+0·4	93	57·6	+0·1	50	68	+ 2	0·5	0	+0·09	0	0·1	0
Yamethin	29·837	+·059	N 8 W	2·6	63·1	57·6	87·2	+2·0	91	55·1	1·1	41	70	10	1·1	0	+0·16	0	+0·2	0
Mandalay	29·747	+·002	N 15 E	1·3	61·2	55·5	86·6	+2·1	91	56·9	+0·3	42	85	+ 2	0·7	0	+0·05	0	+0·1	0
Monywa	29·728	+·021	S 12 W	2·0	61·6	56·3	86·2	+2·9	89	57·3	+0·1	51	85	0	1·8	0	0	0	0	0
Lashio	27·182	+·012	E	2·0	52·1	50·5	...	...	...	45·6	+0·5	13	90	- 2	1·1	0	+0·25	0	0·6	0
Bhamo	29·653	+·016	Calm	0·8	54·1	53·1	77·1	+1·5	82	57·8	+1·0	14	97	+ 1	7·0	0	+0·49	0	+1·2	0
Myitkyina	29·551	+·031	N 13 E	1·8	55·8	54·1	78·2	+3·7	82	50·7	+3·9	17	90	0	2·3	0	+0·11	0	+1·1	0
ASSAM																				
Dibrugarh	29·683	+·017	N 63 E	1·1	c1·0	61·3	72·5	+1·2	77	54·4	+1·3	17	97	+ 1	1·8	0·56	+3·49	2	+1·1	0·49
Sibsagar	29·702	+·003	N 63 E	0·2	56·3	55·9	73·0	+3·0	75	55·4	+3·7	18	97	- 1	8·3	1·11	+0·15	5	+1·1	0·49
Tezpur	29·805	+·013	N 69 E	1·6	58·1	57·0	73·8	+1·2	78	55·3	+2·9	50	94	+ 1	6·5	+0·26	+0·27	0	+1·1	0·93
Gauhati	29·852	+·006	S 75 E	1·0	57·7	57·1	75·8	+1·2	80	54·4	+3·7	50	97	+ 2	5·5	0	+0·31	0	+0·9	0
Dhubri	29·825	+·007	N 15 E	1·3	59·7	58·2	71·6	+1·1	80	56·1	+3·0	51	92	+ 1	2·2	0	0·39	0	+0·7	0
Silchar	29·942	+·006	N 86 E	1·2	c5·7	57·6	78·0	+1·0	84	61·2	+1·7	61	94	+ 4	2·1	0·15	+0·66	1	+0·5	0·15
BENGAL																				
Cox's Bazar	29·958	+·018	N 45 E	1·0	64·5	61·1	81·4	+1·8	87	58·0	+1·5	55	81	- 5	1·6	0	0·05	0	+0·2	0
Chittagong	29·938	+·004	N 17 E	3·8	61·2	58·1	82·1	+3·7	86	56·7	+1·5	53	82	- 6	1·5	0	+0·28	0	+0·5	0
Narayanganj	29·95	+·01	N 27 W	1·8	61·5	59·7	81·5	+3·9	86	57·7	+2·2	54	88	+ 2	2·1	0	+0·30	0	+0·9	0
Barisal	30·007	+·002	N 11 W	1·6	67·0	60·9	81·2	+2·6	87	58·5	+3·5	52	80	+ 3	2·6	0	0·31	0	+0·7	0
Jessore *b*	30·005	+·005	N 18 E	1·8	64·1	60·9	79·9	+2·7	85	53·3	+3·1	48	84	+ 10	2·7	0·81	+0·52	9	0·9	0·04
Calcutta	30·040	+·031	N 10 W	2·4	62·4	60·0	83·5	+1·3	88	59·5	+2·0	53	76	+ 1	1·9	0·06	+0·58	0	0·7	0·06
Saugor Island	30·003	+·011	N 20 E	7·1	66·9	64·2	79·5	+2·5	87	61·6	+2·8	56	87	- 3	3·5	0·02	0·29	0	0·9	0·01
Burdwan	29·929	+·05	N 5 W	1·8	61·0	58·0	85·2	+3·5	85	56·6	+1·6	32	86	+ 1	0·8	0·13	+0·21	1	+0·2	0·13
Berhampore	29·979	+·005	N 63 W	1·1	61·5	58·9	86·8	+1·1	87	54·7	+1·0	51	85	- 3	1·1	0·14	+0·21	1	+0·1	0·14
Mymensingh	29·976	+·03	N 76 E	1·1	63·1	58·9	78·3	+3·5	83	55·8	+2·1	50	91	+ 2	1·1	0·01	0·22	9	0·9	0·01
Bogra	29·971	+·008	N 5 W	1·4	61·1	58·1	78·2	+2·5	83	55·1	+2·8	51	85	0	2·1	0·05	+0·33	6	+0·9	0·05
Dinajpur	29·964	+·002	N 15 E	1·2	57·7	55·7	78·8	+3·3	82	51·6	+2·2	39	88	- 1	2·3	0	+0·32	0	+0·8	0
Jalpaiguri	29·755	+·001	N 13 W	1·1	57·9	56·7	78·5	+1·9	84	53·9	+2·7	39	94	+ 3	1·8	0	+0·30	0	+0·7	0
ORISSA																				
Balasore	29·974	+·05	N 15 W	3·0	63·7	58·7	83·7	+2·8	90	58·7	+2·6	53	68	- 2	2·3	0·20	0·31	1	0	0·20
Chandbali	30·024	...	N 20 W	3·1	65·0	62·0	84·0	...	91	59·7	...	54	81	...	0·9	0	...	0	...	0
Cuttack	29·943	+·001	W	1·4	63·6	60·8	86·6	+3·3	91	59·9	+0·2	53	83	+ 2	2·2	0·15	+0·12	1	+0·4	0·15
Sambalpur	29·541	+·001	N 27 W	1·3	61·1	58·2	83·6	+1·9	89	55·0	+0·1	30	82	+ 8	3·0	0·17	+0·24	1	+0·2	0·17
CHOTA NAGPUR																				
Chaibasa	29·282	+·011	S 50 W	1·7	60·7	58·0	...	...	...	55·4	+3·4	40	85	+ 3	3·4	0·15	+0·49	1	+0·3	0·15
Ranchi	27·835	+·020	Calm	1·0	61·3	55·6	75·9	+2·1	88	53·1	+1·9	17	59	- 6	3·5	0·29	+0·50	1	+0·5	0·29
Hazaribagh (*a*)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·22	+0·50	1	+0·6	0·19

(*a*) Reports only rainfall. (*b*) Mean of 30 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.	CLOUD.	RAINFALL.					
					MEAN S.H.		MAXIMUM.			MINIMUM.										
	At S.L., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BIHAR																				
Purnea ...	29·914	0	S 72 W	1·5	51·6	53·4	77·8	+ 3·3	82	49·2	+ 1·1	42	93	+ 2	0·8	0	- 0·39	0	- 0·7	0
Darbhanga ...	29·851	- 0·018	W	0·4	53·9	54·4	76·2	+ 3·1	79	49·5	- 1·2	43	90	+ 3	1·8	0·02	- 0·44	0	- 1·0	0·02
Patna ...	29·857	- 0·012	S 18 W	2·6	57·8	54·2	76·6	+ 3·9	83	52·5	+ 1·6	47	75	+ 1	2·3	0	- 0·55	0	- 1·1	0
Gaya ...	29·669	+ 0·036	S 4 E	1·8	60·7	56·1	80·1	+ 1·6	87	54·7	+ 3·1	19	71	0	3·2	0	- 0·63	0	- 1·3	0
Naya Dumka ...	29·538	+ 0·008	N 55 W	2·3	58·5	55·1	78·9	+ 3·1	86	52·1	+ 1·9	17	79	+ 5	2·7	0·75	+ 0·22	1	- 0·1	0·75
UNITED PROVINCES, EAST																				
Gorakhpur ...	29·757	- 0·008	S 77 W	1·2 (b)	55·3	53·2	76·2	+ 3·4	81	49·9	+ 1·2	11	87	+ 4	1·5	0·05	- 0·61	0	- 1·3	0·03
Benares ...	29·791	+ 0·021	S 19 W	3·1	57·5	54·4	77·4	+ 3·0	85	51·3	+ 3·4	43	81	+ 2	3·6	0	- 0·67	0	- 1·5	0
Allahabad ...	29·727	- 0·011	S 31 W	1·0	56·7	52·7	77·9	+ 3·5	84	50·6	+ 2·6	42	81	+ 3	3·2	0	- 0·76	0	- 1·6	0
Cawnpore ...	29·767	- 0·036	W	1·1	54·7	51·0	78·9	+ 5·1	85	50·5	+ 3·3	41	77	- 2	1·5	0·03	- 0·48	0	- 1·5	0·02
Lucknow ...	29·653	- 0·010	N 77 W	1·3	53·4	50·9	78·8	+ 5·1	86	45·2	+ 2·2	12	80	+ 1	1·7	0	- 0·77	0	- 1·5	0
Bahraich ...	29·593	- 0·015	S 67 W	2·0	51·2	49·0	76·8	+ 4·3	81	47·9	+ 0·5	42	86	+ 1	0·9	0	- 0·92	0	- 1·9	0
UNITED PROVINCES, WEST																				
Jhansi ...	29·121	- 0·016	N 85 W	2·6	58·8	51·5	82·1	+ 4·3	88	51·2	+ 0·3	13	56	- 9	2·2	0·06	- 0·53	0	- 1·3	0·06
Agra ...	29·172	- 0·012	N 64 W	3·2	52·9	46·9	77·9	+ 2·8	84	45·8	+ 2·0	37	60	- 19	2·9	0	- 0·51	0	- 1·3	0
Mainpuri ...	29·512	+ 0·033	N 45 W	1·5	52·9	48·5	78·5	+ 6·1	85	44·9	- 1·5	37	70	- 7	2·4	0·10	- 0·53	1	- 0·5	0·10
Bareilly ...	29·456	+ 0·026	N 67 W	2·0	50·8	48·9	77·5	+ 7·2	84	47·8	+ 1·6	10	82	0	2·6	0	- 1·03	0	- 2·2	0
Meerut (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	- 1·25	0	- 2·4	0
Roorkee ...	29·105	+ 0·06	N 13 W	1·1	47·9	46·2	72·8	+ 4·0	78	44·8	+ 0·9	37	89	+ 3	3·1	0·01	- 1·05	0	- 2·9	0·01
Dehra Dun ...	27·735	+ 0·026	N	1·5	47·3	43·3	71·9	+ 5·5	77	44·2	- 0·5	30	71	- 7	1·9	0·17	- 2·10	1	- 2·5	0·14
PUNJAB, EAST AND NORTH																				
Delhi ...	29·350	+ 0·010	S 87 W	2·6	50·8	45·8	76·5	...	84	44·1	...	24	65	- 1	2·8	0·18	- 0·85	1	- 1·1	0·18
Hissar ...	29·207	- 0·011	N 59 W	3·5	49·3	46·0	74·8	+ 1·4	83	42·5	+ 0·1	25	75	0	2·7	0·06	- 0·65	0	- 1·7	0·06
Ambala ...	29·507	0	N 15 W	2·5	49·1	46·5	72·9	+ 4·2	81	44·9	+ 1·6	27	82	- 2	2·4	0·26	- 1·23	1	- 2·1	0·22
Ludhiana ...	29·138	0	S 71 W	2·5	47·4	44·2	69·5	+ 2·7	77	43·7	- 0·7	26	85	+ 3	4·2	0·37	- 1·35	1	- 1·9	0·26
Lahore ...	29·320	+ 0·06	N 64 E	1·4	46·0 (b)	44·3 (b)	70·5 (b)	+ 2·0	78	43·0 (b)	+ 1·5	36	88 (b)	+ 3	4·2	1·72	+ 0·67	2	+ 0·9	1·20
Sialkot ...	29·183	- 0·03	N 46 W	1·4	47·8	45·3	76·1	+ 4·1	76	41·2	- 1·5	34	81	- 2	4·3	0·87	- 1·21	2	- 1·0	0·56
Rawalpindi ...	28·935	+ 0·009	N 28 W	2·5	45·7	42·1	67·5	+ 4·8	75	39·4	+ 1·3	31	73	- 9	4·3	3·29	+ 0·80	5	+ 1·3	1·10
PUNJAB, SOUTHWEST																				
Khushab ...	29·138	+ 0·05	S 23 W	3·2	47·0	44·6	77·0	+ 2·9	79	44·9	+ 0·4	31	49	5	3·6	0·11	- 0·66	0	- 1·6	0·08
Lyallpur (b) ...	29·148	- 0·012	S 35 W	1·8	47·4	42·9	69·7	+ 0·9	77	44·4	+ 2·0	35	71	- 16	4·6	0·24	- 0·44	1	+ 0·3	0·24
Montgomery ...	29·483	+ 0·02	N 7 W	1·9	45·3	44·0	70·5	+ 1·7	77	42·8	+ 0·8	26	71	- 1	3·2	0·32	- 0·24	1	- 0·6	0·30
Multan ...	29·634	+ 0·03	N 7 W	1·6	50·8	47·3	72·7	+ 2·6	80	45·3	+ 1·3	29	62	- 9	3·8	0·01	- 0·41	0	- 1·2	0·01 ✓
Bahawalpur ...	29·682	...	N 45 E	1·9	47·0	43·4	72·2	...	79	41·7	...	25	70	...	4·1	0·30	...	0	...	0·25
Khanpur ...	29·778	...	N 30 E	3·1	49·4	44·0	71·3	...	80	41·3	...	34	61	...	2·6	0·01	...	0	...	0·01
KASHMIR																				
Srinagar ...	24·978	+ 0·03	S 75 W	2·0	31·6	...	48·0	+ 7·2	56	30·6	+ 3·9	22	...	...	8·6	2·25	- 0·51	5	- 0·9	0·92
Sonamarg (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10·91	+ 0·59	16	+ 4·8	3·03
Dras ...	20·732	+ 0·017	W	0·7	8·9	...	24·7	+ 6·7	38	0·5	+ 11·9	- 24	...	...	7·6	4·71	+ 1·95	10	+ 1·5	2·25 ✓
Leh ...	19·661	+ 0·021	N 18 E	1·6	19·0	...	...	...	...	14·6	+ 6·4	5	...	...	8·7	0·22	- 0·14	1	0	0·10
Skardu ...	23·609	+ 0·041	S 45 W	0·1	27·8	...	38·9	+ 5·1	49	25·2	+ 3·3	17	...	...	9·1	1·02	+ 0·10	1	+ 1·1	0·26
Gilgit ...	23·114	+ 0·15	Calm	0	37·1	35·3 (f)	48·6	+ 2·2	56	31·6	+ 2·6	30	82	+ 16	7·4	0·67	+ 0·42	3	+ 2·2	0·25
NORTH-WEST FRONTIER PROVINCE																				
Peshawar ...	28·876	- 0·013	S 2 E	2·0	45·4	42·5	61·1	+ 0·7	71	41·9	+ 1·1	36	77	+ 10	7·1	2·47	+ 0·91	4	+ 1·0	0·94
Dera Ismail Khan ...	29·483 (d)	+ 0·013	N 16 W	2·0	48·0	43·2	69·5	+ 0·8	77	41·1 (f)	+ 0·6	33	63	- 9	4·7	0·17	- 0·32	1	- 0·4	0·17
Miranshah (a) ...	26·974	...	N 83 W	2·3	42·3	37·9	61·8	...	66	36·7 (f)	...	30	64	...	5·2	1·64	...	3	...	0·53
BALUCHISTAN																				
Fort Sandeman ...	25·422	- 0·030	S 87 E	2·3	35·1	...	57·1	- 3·4	70	31·5	+ 0·2	21	...	...	3·8	0·94	+ 0·41	3	+ 1·0	0·60
Harnai (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·55	+ 0·01	1	- 0·7	0·53
Quetta ...	24·713	+ 0·033	S 47 E	4·7	32·9	... (f)	52·6	+ 2·7	66	29·9	- 0·5	22	...	...	6·5	2·22	+ 0·29	7	+ 2·3	0·43
Chaman ...	25·716	- 0·029	S 55 E	1·4	41·4	38·8	56·3	+ 2·5	70	37·6	+ 2·6	23	89	+ 10	6·0	1·49	- 0·08	5	+ 0·9	0·35
Kalat ...	23·740	- 0·063	S 19 W	5·9	30·4	... (h)	53·5	+ 2·7	69	26·3	+ 3·5	10	...	...	5·6	1·13	- 0·08	5	+ 1·5	0·50
Dalbandin ...	27·174	- 0·053	S 41 E	2·3	41·6	41·4 (j)	63·4	- 1·3	76	36·9	+ 1·4	26	100	+ 28	3·2	1·23	+ 0·35	2	+ 0·2	1·03
Mirjawa ...	27·189	...	S 45 W	5·5	41·7	40·8	64·8	...	81	40·0	...	27	91	...	3·5	0	...	0	...	0

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days. (d) Mean of 28 days. (f) Mean of 26 days. (h) Mean of 24 days. (j) Mean of 22 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.									HUMIDITY. CLOUD.		RAINFALL.				
					MEAN S.H.		MAXIMUM.			MINIMUM.										
	At S.H. reduced to M.S.L. and standard gravity.	Departure from normal.	Mean direction at S.H.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean S.H.	Departure from normal.	Mean amount S.H.	Total for the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIND																				
Jacobabad	29·897	−·005	N 55 E	3·0	50·3	43·3	73·7	+0·5	80	44·0	+0·3	36	51	−5	2·1	0·01	−0·25	0	−0·7	0·01
Hyderabad	29·874	−·007	N	1·2	55·6	47·9	76·2	0	85	51·1	+0·3	45	53	−8	1·4	0·05	−0·15	0	−0·6	0·01
Karachi	30·045	−·011	N 36 E	5·7	65·5	53·5	70·2	+0·7	80	57·5	−0·6	53	60	−1	2·8	0·06	−0·16	0	−1·1	0·03
RAJPUTANA, WEST																				
Bikaner	29·267	+·013	S 72 E	4·1	59·7	41·0	71·1	+2·1	82	47·4	−0·6	33	50	1	1·6	0	−0·31	0	−1·0	0
Jodhpur	29·236	−·011	N 42 E	3·2	57·3	47·2	80·5	+3·0	89	53·3	+2·8	34	41	5	2·9	0	−0·14	0	−0·1	0
RAJPUTANA, EAST																				
Jaipur	28·501	+·015	N 73 E	2·5	58·7	49·3	77·8	+3·3	84	50·0	+1·8	40	55	−15	1·2	0	−0·17	0	−1·1	0
Ajmer	28·409	+·012	N 22 W	3·1	56·5	48·7	75·9	+2·6	82	47·1	+1·1	38	52	−12	1·9	0·03	−0·53	0	−1·1	0·03
Kotah	29·176	−·013	S 75 W	1·3	59·1	51·5	81·8	+4·5	88	53·3	+1·5	45	56	−2	3·1	0	−0·27	0	−0·6	0
Jhalrapatan	28·972	...	N 2 W	2·0	57·9	50·2	81·8	...	88	51·2	...	40	57	...	2·9	0	...	0	...	0
Udaipur (*a*)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·08	−0·03	0	−0·2	0·08
GUJARAT																				
Deesa	29·537	−·008	N 64 E	6·2	61·5	49·6	87·2	+3·7	93	50·9	−0·5	41	36	−12	1·8	0	−0·11	0	−0·3	0
Bhuj	29·557	−·014	S 15 E	3·0	60·6	49·1	80·8	+1·1	90	51·5	−2·3	45	37	−23	2·1	0	−0·08	0	−0·2	0
Dwarka	29·930	−·013	N 24 W	8·3	65·8	58·8	80·0	+1·7	86	59·9	−0·1	56	61	−6	3·3	0	0·08	0	−0·2	0
Rajkot	29·559	−·014	N 56 E	5·7	63·2	43·2	84·8	+1·2	92	50·4	−0·7	41	30	−13	2·5	0	−0·01	0	0·2	0
Veraval	29·988	+·001	N 10 E	5·4	66·0	55·6	82·5	+0·2	89	61·5	+2·0	57	48	−6	1·9	0	−0·03	0	0·1	0
Surat	29·957	−·007	N 31 E	2·5	64·9	57·1	87·2	+0·5	92	59·8	+2·3	55	60	−4	2·1	0	−0·14	0	−0·2	0
Bhavnagar	29·969	+·001	N 49 W	3·0	62·1	55·8	89·3	+1·2	91	54·6	−0·2	41	59	−15	2·4	0·30	+0·17	1	+0·9	0·20
Ahmadabad	29·882	−·009	N 48 E	3·2	65·0	53·1	86·5	−1·7	91	55·0	+1·3	51	57	−8	2·1	0	−0·02	0	−0·1	0
CENTRAL INDIA, WEST																				
Neemuch	25·377	+·002	N 30 E	3·9	62·7	53·8	83·2	+2·7	85	50·5	+1·7	40	61	−4	1·5	0	0·21	0	0·4	0
Indore	25·168	−·013	S 46 E	2·4	62·4	53·0	85·0	+3·1	86	51·9	+1·8	45	49	−11	1·8	0·06	−0·22	0	−0·5	0·06
Bhopal	25·367	...	S 17 E	2·3	63·4	54·6	83·5	...	87	55·6	...	41	53	...	1·8	1·29	...	1	...	1·13
CENTRAL INDIA, EAST																				
Nowgong	29·361	−·004	N 23 W	1·1	53·5	51·0	81·5	+7·2	90	49·2	−2·1	42	84	+7	5·8	0·03	−0·03	0	−1·5	0·03
Sutna	28·961	−·001	S 25 W	2·2	57·6	52·2	82·9	+6·1	88	51·1	+3·0	42	67	−5	3·6	0·28	−0·30	1	−0·8	0·28
BERAR																				
Akola	29·070	+·002	S 73 E	2·1	65·4	53·9	89·0	+5·2	92	56·9	+2·7	17	42	−11	1·3	0	−0·35	0	−0·7	0
Amraoti	28·783	−·012	N 70 E	5·1	67·0	55·3	86·7	+1·9	90	60·6	+2·0	54	43	−8	3·1	0·20	−0·23	1	+0·3	0·18
CENTRAL PROVINCES, WEST																				
Khandwa	28·938	−·010	S 66 E	4·3	63·5	52·8	89·1	+4·6	92	51·1	+1·6	44	46	−11	0·3	0	−0·72	0	−0·5	0
Hoshungabad	29·029	0	N 70 E	2·9	61·5	53·9	86·3	+5·3	89	54·3	+2·2	44	58	−8	2·9	0·45	+0·39	1	+0·1	0·51
Saugor	28·179	−·002	S 32 E	4·2	62·5	52·6	81·6	+4·7	87	50·9	+3·5	43	48	−6	2·8	0·16	−0·13	1	−0·2	0·15
Jubbulpore	28·658	−·002	S 27 E	1·4	57·8	53·1	81·7	+4·2	88	52·9	+3·9	42	73	−1	2·2	1·02	+0·22	3	+1·5	0·42
Seoni	27·957	+·004	S	2·3	62·7	54·1	81·4	+2·5	86	54·1	+2·6	42	55	−8	2·5	0·23	−0·29	1	−0·2	0·25
Nagpur	28·995	+·013	N 56 E	2·3	63·0	54·1	86·3	+2·8	91	54·7	−0·9	46	52	−8	2·8	0·41	+0·02	1	+0·2	0·39
CENTRAL PROVINCES, EAST																				
Pendra	27·963	−·001	S 25 E	3·5	60·8	54·7	79·9	+2·5	83	53·1	+1·5	45	67	+3	3·3	0·61	−0·21	2	+0·4	0·53
Raipur	29·040	+·015	N 45 E	2·1	65·6	58·6	83·4	+2·0	88	55·5	0	47	64	−1	1·5	0·56	+0·27	1	+0·3	0·50
Kanker	28·698	...	S 11 E	1·7	61·4	56·2	83·6	...	91	54·6	...	44	71	...	2·6	0·21	...	1	...	0·21
Chanda	29·398	+·002	N 55 E	3·3	62·2	57·7	86·4	+1·0	90	55·9	+1·6	47	45	+5	2·6	0	−0·25	0	−0·4	0
Jagdalpur	28·130 (*b*)	+·011	N 45 E	1·2	56·5	53·9	81·6	+0·6	84	50·5	−1·6	45	86	+3	1·9	0	−0·17	0	−0·2	0
KONKAN																				
Bombay	29·929 (*b*)	−·016	N 60 E	6·4	72·4	66·0	87·0	+4·1	94	68·2	+2·2	63	71	−2	6·9	0	−0·19	0	−0·2	0
Ratnagiri	29·737	−·015	N 82 E	5·8	75·8	69·4	83·2	+2·0	91	69·8 (*c*)	+3·1	65	50	−11	0·3	0	−0·10	0	−0·2	0
Marmagao	...	...	S 88 E	5·7	77·1	68·9	88·5	+3·9	94	72·3 (*c*)	+2·6	66	65	−17	2·3	0	−0·02	0	0	0
Karwar	29·899	−·014	N 38 E	2·8	71·1	65·3	90·1	+3·5	95	65·2	+2·1	63	71	−10	3·3	0	−0·05	0	−0·1	0
BOMBAY DECCAN																				
Malegaon	28·543	−·008	S 45 W	3·0	64·2	53·5	88·3	+2·3	92	52·3	+1·0	46	15	−7	2·1	0	−0·16	0	−0·3	0
Ahmadnagar	27·811	+·010	S 31 E	2·9	65·4	54·0	85·7	+1·4	88	53·1	+0·3	46	14	−11	1·8	0	−0·26	0	−0·4	0
Poona	28·137	+·007	N 52 E	1·6	62·5	55·5	87·9	+1·8	91	52·6	−0·7	47	62	−1	2·2	0	−0·06	0	−0·2	0
Sholapur	28·414	+·014	S 52 E	2·1	65·1	57·1	87·5	+1·5	90	60·5	+1·2	52	48	0	1·1	0	−0·15	0	−0·3	0
Bijapur	28·032	+·013	S 60 E	5·1	68·9	59·6	85·9	−0·1	89	61·4	+1·3	52	55	−7	2·2	0	−0·08	0	−0·1	0
Belgaum	27·413	+·007	S 86 E	2·5	68·1	58·8	85·5	+2·0	89	60·5	+2·7	56	55	−5	2·6	0	−0·13	0	−0·2	0
HYDERABAD, NORTH																				
Aurangabad	28·088	−·006	N 75 E	4·5	64·7	53·6	85·5	+0·8	89	58·2	+2·2	50	46	−2	2·5	0	−0·37	0	−0·5	0
Parbhani (*a*)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−0·42	0	−0·6	0
Nizamabad	28·739	+·016	S 71 E	1·2	66·2	57·9	88·5	+2·7	92	57·4	+0·7	47	57	−7	2·4	0	−0·14	0	−0·4	0

(*a*) Reports only rainfall. (*b*) Mean of 30 days. (*c*) Mean of 27 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean at 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·435	+·022	N 86 E	6·3	68·4	59·3	85·7	−1·5	90	62·7	+2·9	54	57	−1	1·7	0·02	−0·18	0	−0·3	0·02
Raichur ...	28·682	+·026	S 65 E	6·4	71·0	64·7	87·4	+0·7	90	65·7	+1·2	60	69	+5	0·6	0	−0·19	0	−0·2	0
Hyderabad ...	28·282	+·024	S 75 E	4·9	65·2	56·1	85·1	+0·9	89	54·3	−2·6	49	63	−4	2·8	0·03	−0·21	0	−0·4	0·02
Hanamkonda ...	29·195	+·021	S 2 E	3·4	65·7	60·6	86·2	+1·5	89	59·9	+4·1	53	73	+9	1·8	0	0·32	0	−0·5	0
MYSORE																				
Chitaldrug ...	27·056	+·010	S 74 E	5·1	65·0	62·3	85·2	+0·8	89	62·6	+0·6	56	68	+6	7·5	0	−0·27	0	−0·3	...
Bangalore ...	26·984	+·017	N 78 E	5·6	64·3	60·9	82·0	+1·2	86	58·9	+1·4	53	84	+2	4·6	0	−0·26	0	−0·5	0
Mysore ...	27·456	0	N 67 E	6·1	66·0	62·0	84·8	+0·8	89	66·5	+1·1	58	77	+5	3·1	0	−13	0	−0·3	0
MALABAR																				
Mangalore ...	29·835	+·014	N 79 E	5·8	74·2	70·1	90·6	+1·4	91	72·6	−2·6	69	82	+3	3·4	0	+0·06	0	−0·1	0
Calicut ...	29·849	+·038	E	4·5	76·5	70·2	90·9	+3·7	93	72·6	+2·1	69	75	+1	5·1	0	0·50	0	−0·5	0
Cochin ...	29·911	+·005	N 69 E	3·5	78·9	70·5	87·9	−1·5	92	74·1	+2·5	71	85	+6	3·3	0·28	−0·41	1	+0·1	0·28
Trivandrum ...	29·693	−·022	N 66 E	3·2	77·2	72·0	84·5	+0·5	87	75·2	+2·9	71	77	0	5·1	0·61	−0·29	2	+0·3	0·22
MADRAS, SOUTHEAST																				
Palamcottah (*a*) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·32	−0·16	1	−1·7	0·41
Pamban ...	29·918	+·003	N 2 E	10·3	75·7	73·4	84·7	0	85	75·5	+1·2	73	76	0	4·3	6·79	+4·06	9	+5·8	1·66
Madura ...	29·495	−·005	N 18 E	6·0	75·2	68·7	86·4	−1·6	89	63·5	+0·4	60	70	0	5·1	0·51	−0·06	3	+1·8	0·25
Negapatam ...	29·941	+·012	N 11 E	11·4	76·7	71·5	82·5	0	84	74·1	+2·7	70	77	−1	5·8	1·72	+0·04	2	−0·1	1·06
Trichinopoly ...	29·724	+·004	N 5 E	5·5	74·0	69·5	87·1	−0·4	90	69·4	+1·7	64	77	1	5·2	0·11	−0·21	2	+0·8	0·27
Coimbatore ...	28·618	−·003	N 50 E	2·9	74·5	65·9	87·5	−1·9	88	56·9	−2·6	53	73	−6	6·4	0·05	−0·51	0	−1·0	0·05
Salem ...	29·049	−·001	N 53 E	6·0	74·4	67·4	86·6	1·7	92	56·8	+2·3	52	66	−11	2·0	0	−0·31	0	−0·5	0
Cuddalore ...	29·948	+·015	N 4 E	4·2	78·7	70·2	82·3	0·8	84	69·7	1·4	65	83	1	5·8	2·89	1·35	3	+1·1	1·27
Vellore ...	29·277	−·008	N 87 W	3·0	69·7	66·6	83·1	1·1	86	64·9	+0·7	61	85	1	4·4	0·02	1·47	0	−2·0	0·02
Madras ...	29·967	−·010	N 10 E	7·5	77·8	70·4	84·1	0·4	86	75·8	+1·6	64	79	−5	4·5	0·03	−1·34	0	−1·7	0·02
MADRAS, DECCAN																				
Cuddapah ...	29·068	+·014	S 32 E	5·5	70·6	66·8	87·4	3·0	90	60·4	+0·2	61	80	+5	2·2	0	−0·45	0	−0·6	0
Bellary ...	28·536	+·016	S 35 E	3·6	70·0	63·3	86·1	2·0	89	52·9	+1·1	50	71	+6	2·0	0	0·11	0	−0·2	0
Kurnool ...	29·072	+·002	S 71 E	3·1	67·6	61·4	88·2	−0·1	91	61·2	+0·7	56	70	−2	2·5	0	−0·18	0	−0·4	0
MADRAS COAST, NORTH																				
Nellore ...	29·959	+·002	N 55 W	2·9	74·2	65·8	85·0	0·3	87	65·3	+1·2	62	85	+1	4·1	0	−1·08	0	−1·5	0
Masulipatam ...	30·003	+·008	N	2·1	70·5	66·7	86·5	2·5	91	69·2	+2·6	67	82	+1	1·5	0	−0·23	0	−0·4	0
Cocanada ...	29·964	+·015	N 4 E	6·5	69·7	63·9	81·9	+0·6	87	63·9	+2·2	59	56	+11	3·1	0	0·13	0	−0·4	0
Vizagapatam ...	29·902	−·011	S 30 W	4·3	68·4	62·0	85·3	+1·1	88	63·7	+1·2	60	67	5	1·8	0·36	−0·50	0	−0·5	0·26
Calingapatam ...	29·917	+·030	S 55 W	2·5	69·2	62·7	83·6	+0·8	90	61·6	+1·2	59	81	2	2·5	0·01	−0·25	1	−0·3	0·01
Gopalpur ...	29·959	−·013	N 20 W	5·7	66·4	61·0	83·4	+5·1	91	61·8	−0·3	58	71	8	3·3	0	−0·23	0	−0·5	0
HILL STATIONS, EXCLUDING KASHMIR AND BALUCHISTAN																				
Mayavo ...	26·161	+·023	Calm	0·6	50·3	48·4	71·0	+3·7	78	41·9	+1·8	38	86	−5	2·2	0	−0·08	0	0·1	0
Shillong ...	25·176	+·016	S 81 W	1·8	59·5	45·2	69·8	+1·2	77	40·1	+1·2	36	70	0	2·1	0·03	−0·30	0	−0·8	0·03
Cherrapunji ...	25·732	+·012	S 11 E	5·3	54·1	49·3	67·2 (*b*)	+1·9	75	47·7	+1·8	45	67	2	2·6	0·05	0·46	0	+1·1	0·05
Darjiling ...	22·951 (*b*)	+·019	S 85 E	3·0	44·8	40·3 (*d*)	55·1 (*b*)	+2·1	58	37·5 (*c*)	+2·1	34	68 (*d*)	−13	2·1	0	−0·55	0	+1·3	0
Mukteswar ...	22·982 (*b*)	+·021	N 51 W	4·5	43·0	39·0 (*d*)	52·6	+1·9	57	40·0	+1·8	33	38 (*d*)	−15	5·2	0·22	−1·96	1	−0·7	0·10
Mussooree ...	...	...	S 75 W	3·8	45·4	37·6 (*e*)	52·3	...	59	41·2	...	36	47 (*e*)	...	1·0	0·77	1·55	2	1·6	0·57
Simla ...	23·317	+·002	S 35 E	2·4	45·1	34·8 (*e*)	51·6	+4·3	59	39·5	+4·5	30	11	−6	1·3	0·22	−2·49	2	−2·7	0·11
Dharampore (*a*) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·11	...	6	...	0·60
Dalhousie (*a*) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·31	...	6	...	2·18
Murree ...	...	...	S 15 E	6·1	53·0	45·6	47·7	+1·2	57	37·9	+3·6	27	58	−12	7·1	2·37	1·56	5	−0·7	0·80
Cherat ...	25·713	+·021	S 36 W	12·3	61·1	57·2 (*m*)	50·5	+0·6	63	40·6	+1·7	31	49 (*m*)	−5	5·9	3·81	+1·30	6	+2·1	1·51
Parachinar ...	24·396	+·025	N 22 E	2·7	56·8	51·7 (*m*)	51·5	+1·0	59	31·2	+2·1	19	91 (*m*)	+18	5·6	3·80	+1·18	4	−0·5	1·11
Drosh ...	...	...	L	1·2	55·7	34·6	45·1	−2·7	56	32·4	+0·7	25	95	+22	7·0	3·91	+2·17	5	+2·2	0·95
Mount Abu ...	26·104	+·017	S 24 E	4·5	51·6	47·5	73·9	+4·0	76	50·9	−0·4	14	30	−13	1·9	0	−0·26	0	−0·7	0
Pachmarhi ...	26·562	+·023	S 8 W	1·7	65·9	53·2	79·7	+3·9	79	49·4	+1·8	38	50	−12	4·9	0·59	−0·27	1	−0·3	0·39
Mercara ...	26·929	+·001	N 58 E	3·0	61·8	60·4	77·8	+0·5	81	58·5	+1·8	49	92	+13	3·4	0	−0·15	0	−0·3	0
Kodaikanal ...	23·859	+·018	S 76 E	7·3	56·5	49·4	63·3	−0·1	71	48·2	+3·0	45	14	−19	4·3	1·92	−0·56	6	+2·1	0·86
Coonoor ...	24·392	...	N 56 E	2·9	56·6	50·3	66·5	...	73	48·1	...	41	67	...	3·2	0·92	...	2	...	0·47
CEYLON																				
Colombo ...	29·876	+·010	N 34 E	4·4	75·1	70·7	87·1	−0·1	92	72·7	+0·9	68	88	+5	6·0	4·25	+0·83	5	+0·3	1·85

(*a*) Reports only rainfall. (*b*) Mean of 30 days. (*d*) Mean of 28 days. (*e*) Mean of 27 days. (*j*) Mean of 22 days. (*m*) Mean of 19 days.

Y. P. P.—S 1002—420—11-2-31

MONTHLY WEATHER REPORT

FOR

February 1931

24

Supplement to the Indian Daily Weather Report for the 20th March 1931

Published by order of the Governor-General in Council

Summary.—Precipitation was above normal in the hills of northwest India and in the plains of the United Provinces and northeast India. Both day and night temperatures were below normal in northwest India; the maximum temperature was lower than usual in the United Provinces and Central India.

In connection with the eastward passage of the western disturbance from Baluchistan to Assam at the end of the previous month, fairly widespread rain or snow fell in Baluchistan on the 1st and in the North-West Frontier Province and Kashmir and along and near the Punjab-Kumaon hills on the 1st and 2nd, with local falls of rain in east Central India, the Central Provinces, the east United Provinces, Bihar and Chota Nagpur on the 2nd and 3rd.

2. Six western disturbances entered northwest India during the month. The first began affecting Baluchistan on the 5th, moved eastwards through Gujarat to the east Central Provinces by the 9th and became unimportant thereafter. It was responsible for fairly widespread precipitation in Baluchistan on the 6th and from the North-West Frontier Province and Kashmir to Bihar on the 7th and 8th, with scattered falls in Chota Nagpur, Bengal, Assam and Upper Burma between the 8th and 10th. The second western disturbance entered northwest India on the 8th and passed away eastwards through the Central Provinces and Upper Burma by the 11th. It caused widespread rain in Baluchistan on the 9th and in northeast India on the 11th, with local rain in the United Provinces and east Central India on the same day; a few falls also occurred in Kashmir and the east and north Punjab on the 10th and 11th and in Bengal, Assam and Upper Burma on the 12th. The third western disturbance entered Baluchistan on the 13th and moving eastwards lay as a low pressure area over the Central Provinces on the 16th. This low pressure area persisted there till the 18th morning, when it showed signs of weakening. By the next morning, however, it got accentuated under the influence of the fourth western disturbance and persisted there up to the 23rd when it filled up. These two disturbances were responsible for fairly widespread rain in north Baluchistan on the 12th and 13th, in the North-West Frontier Province and Kashmir on the latter date, in the United Provinces and northeast India on the 15th and 16th and along and near the western Himalayas on the 17th, with scattered falls in the North-West Frontier Province and Kashmir on the 16th and 18th and in the Central Provinces, Chota Nagpur, Orissa and Bengal from the 17th to 22nd. The fifth western disturbance, after entering northwest India, lay as a low pressure area over east-Central India on the 25th, which filled up on the 27th. It caused widespread precipitation in Baluchistan on the 22nd, along and near the western Himalayas on the 23rd and 24th and in Chota Nagpur on the 24th and local falls of rain from Kashmir to Bihar on the 25th, with a few falls in the Central Provinces and northeast India from the 24th to 26th. The last disturbance of the month passed away eastwards through Kashmir, after causing nearly general rain in Baluchistan on the 27th and local falls of rain or snow in the North-West Frontier Province and along the western Himalayas on the 27th and 28th.

3. The month's rainfall was in large excess in Bihar and Orissa, the United Provinces, Baluchistan and east Central India, in moderate excess in Bengal and Kashmir and normal in the east and north Punjab and Sind; it was in slight defect in Assam and the Central Provinces excluding Berar, in moderate defect in Upper Burma, the North-West Frontier Province and east Rajputana and in large defect elsewhere. Averaged over the plains of India, rainfall during the month was in excess by 14 per cent.

4. Due to the incursion of cold winds in the rear of the western disturbances, day temperature was generally below normal in northwest India from the 3rd to 11th, nights being also colder than usual on the 4th, 5th and 6th. During the last ten days of the month, cold winds were blowing in Sind, Rajputana, Gujarat and west Central India and maximum temperature was lower than usual. Both the mean maximum and minimum temperatures were below normal in the

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Punjab, the North-West Frontier Province, Baluchistan, Sind and west Rajputana, and above it in Burma, the Bombay Deccan and Hyderabad; the maximum alone was above normal in Mysore and the minimum alone was above normal in Assam, Orissa, Chota Nagpur, Bihar, the east United Provinces, Kashmir and the Central Provinces. Maximum temperature was below the average in Chota Nagpur, the United Provinces, Kashmir, east Rajputana and west Central India.

Summary of the Local Conditions

Burma, including the Bay Islands.—The total rainfall of the month was in moderate defect in Upper Burma and in large defect elsewhere. Humidity was in defect in Upper Burma and both maximum and minimum temperatures above normal in both Lower and Upper Burma.

Northeast India, including Orissa.—Rainfall during the month was in slight defect in Assam, in moderate excess in Bengal and in large excess elsewhere. Cloud proportion was more than usual in Bengal, Chota Nagpur and Bihar, and humidity was in excess in Orissa and Bihar. Maximum temperature was below normal in Chota Nagpur and the minimum above it in the whole division.

The United Provinces, Central India and the Central Provinces.—Rainfall was in slight defect in the Central Provinces outside Berar, in large defect in Berar and west Central India and in large excess elsewhere. Cloud proportion was more than usual in the United Provinces, Central India and the west Central Provinces and less than usual in Berar and the east Central Provinces. Humidity was in excess in the United Provinces, east Central India and the Central Provinces, outside Berar, where it was in defect. Maximum temperature was below normal in the United Provinces and west Central India and the minimum above normal in the east United Provinces and the Central Provinces.

Northwest India.—The month's mean rainfall was in large excess in Baluchistan and in moderate excess in Kashmir. It was normal in the east and north Punjab and Sind. In the remaining sub-divisions, it was in moderate to large defect. Skies were more clouded than usual throughout the division. Humidity was in defect in Sind and Gujarat. Both maximum and minimum temperatures were below normal in the Punjab, the North-West Frontier Province, Baluchistan, Sind and west Rajputana and the maximum alone in Kashmir and east Rajputana; minimum temperature was above normal in Kashmir.

The Peninsula.—The total rainfall of the month was in large defect throughout the division. Cloud proportion was more than usual in southeast Madras, the Madras Deccan and the north Madras coast and less than usual in the Konkan, north Hyderabad and Mysore. Humidity was in excess in south Hyderabad. Both maximum and minimum temperatures were above normal in the Bombay Deccan and Hyderabad and the maximum alone in Mysore.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 33 sub-divisions. Table III contains the monthly means of the 8 hrs. observations published in the Indian Daily Weather Reports; the divisional means, Tables I and II, are based on these observations.

POONA:
The 7th March 1931.

C. W. B. NORMAND,
Director-General of Observatories.

Division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"				%	
Burma ...	0·19	0·35	−0·16	− 46	+3·0	+2·3	− 4	**0**
Assam ...	1·41	1·61	−0·20	− 12	+0·9	+2·5	− 2	**+0·7**
Bengal ...	1·42	0·96	+0·46	+ 48	+0·2	+1·9	− 3	**+0·8**
Bihar and Orissa ...	3·11	0·98	+2·13	+217	−1·5	+2·2	+ 3	**+1·6**
United Provinces ...	1·35	0·86	+0·49	+ 57	−3·2	+1·3	+ 7	**+2·9**
Punjab ...	0·87	0·98	−0·11	− 11	−1·6	−2·5	+ 2	**+1·8**
North-West Frontier Province.	0·61	1·00	−0·39	− 39	−5·3	−3·4	+ 3	**+1·2**
Sind ...	0·30	0·33	−0·03	− 9	−6·4	−1·9	− 6	**+2·6**
Rajputana ...	0·14	0·24	−0·10	− 42	−5·1	−1·3	0	**+2·5**
Bombay ...	0·01	0·10	−0·09	− 90	−0·1	+1·3	− 7	**+0·6**
Central India ...	0·60	0·40	+0·20	+ 50	−2·1	+1·3	+ 6	**+2·8**
Central Provinces ...	0·53	0·72	−0·19	− 26	+1·2	+3·3	+ 4	**+0·3**
Hyderabad ...	0·05	0·30	−0·25	− 83	+2·4	+3·9	+ 7	**−0·3**
Mysore ...	0	0·16	0·16	−100	+3·3	+0·6	+ 4	**−0·5**
Madras ...	0·01	0·43	−0·42	− 98	−0·7	+0·7	− 1	**+0·5**
Mean of India ...	0·66	0·58	+0·08	+ 14	−0·9	+1·1	0	**+1·1**

Sub-division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"					
1. Bay Islands ...	0	0·87	− 0·87	− 100	−1·6	+0·2	− 3	0
2. Lower Burma ...	0·17	0·39	− 0·22	− 56	+2·6	+2·5	− 1	+0·1
3. Upper Burma ...	0·21	0·29	− 0·08	− 28	+3·6	+1·9	− 7	0·2
4. Assam ...	1·41	1·61	− 0·20	− 12	+0·9	+2·5	− 2	+0·7
5. Bengal ...	1·42	0·96	+ 0·46	+ 48	+0·2	+1·9	− 2	+0·8
6. Orissa ...	2·39	1·02	+ 1·37	+ 134	+0·1	+2·5	+ 5	+0·4
7. Chota Nagpur ...	6·08	1·41	+ 4·67	+ 331	−2·5	+2·3	− 3	+2·4
8. Bihar ...	1·77	0·69	+ 1·08	+ 157	−1·9	+2·0	+ 5	+2·1
9. United Provinces, East ...	1·09	0·68	+ 0·41	+ 60	−3·0	+2·1	+10	+2·8
10. Do. do. West ...	1·58	1·02	+ 0·56	+ 55	−3·4	+0·5	+ 1	+2·9
11. Punjab, East and North ...	1·26	1·25	+ 0·01	+ 1	−4·1	−2·4	+ 4	+1·9
12. Do. Southwest ...	0·19	0·51	− 0·32	− 63	−5·5	−2·6	− 1	+1·5
13. Kashmir ...	3·92	2·63	+ 1·29	+ 49	−2·2	+2·3	...	+2·0
14. North-West Frontier Province ...	0·61	1·00	− 0·39	− 39	−5·3	−3·4	+ 3	+1·2
15. Baluchistan ...	3·25	1·15	+ 2·10	+ 183	−9·1	−2·0	...	+2·4
16. Sind ...	0·30	0·33	− 0·03	− 9	−6·4	−1·9	− 6	+2·6
17. Rajputana, West ...	0·08	0·24	− 0·16	− 67	−5·7	−2·3	+ 3	+2·1
18. Do. East ...	0·17	0·24	− 0·07	− 29	−1·8	−0·5	− 2	+2·8
19. Gujarat ...	0·02	0·13	− 0·11	− 85	−1·9	+0·2	−13	+2·0
20. Central India, West ...	0·05	0·19	− 0·14	− 74	−2·7	+0·9	0	+2·3
21. Do. do. East ...	1·15	0·61	+ 0·54	+ 89	−1·5	+1·8	+12	+3·3
22. Berar ...	0	0·33	− 0·33	− 100	+1·8	+4·3	− 5	−0·1
23. Central Provinces, West ...	0·41	0·55	− 0·14	− 25	+0·7	+3·2	+ 5	+0·9
24. Do. do. East ...	0·98	1·17	− 0·19	− 16	+1·5	+2·9	+ 9	−0·1
25. Konkan ...	0	0·06	− 0·06	− 100	0	+1·7	− 3	−0·4
26. Bombay Deccan ...	0	0·08	− 0·08	− 100	+2·3	+2·4	− 2	−0·2
27. Hyderabad, North ...	0·12	0·34	− 0·22	− 65	+2·5	+4·7	+ 2	−0·4
28. Do. South ...	0	0·27	− 0·27	− 100	+2·3	+3·5	+ 9	−0·3
29. Mysore ...	0	0·16	− 0·16	− 100	+3·3	+0·6	+ 1	−0·5
30. Malabar ...	0·05	0·41	− 0·36	− 88	+0·5	+1·2	− 1	−0·1
31. Madras, Southeast ...	0·01	0·52	− 0·51	− 98	−0·8	+1·1	− 3	+0·8
32. Do. Deccan ...	0	0·15	− 0·15	− 100	−0·7	+1·0	+·2	+0·4
33. Do. Coast North ...	0	0·45	− 0·45	− 100	−1·5	−0·4	+ 1	+0·6

TABLE III, FEBRUARY 1931

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h. reduced to 32° and standard gravity	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BAY ISLANDS																				
Port Blair ...	29·842	+·017	N 26 W	4·1	78·0	73·3	86·0	1·6	89	70·2	+0·2	61	84	3	3·5	0	−0·87	0	− 1·2	0
LOWER BURMA																				
Victoria Point ...	29·762	+·003	N 42 E	5·5	79·9	74·5	89·1	+1·1	96	70·7	−2·1	64	76	1	1·0	0	−0·13	0	− 0·3	0
Mergui ...	29·851	+·007	...	...	76·5	71·7	89·1	−0·1	97	74·1	+1·2	71	91	+ 6	1·0	1·31	−0·68	2	− 0·7	0·40
Tavoy ...	29·913	+·004	N 21 W	2·7	75·8	73·1	94·3	−1·2	97	69·2	+1·6	69	88	0	2·1	0·93	−0·22	1	+ 0·2	0·54
Amherst ...	29·847	...	S 30 E	6·2	78·8	73·8	88·8	...	92	72·5	...	68	78	...	2·1	0	...	0	...	0
Rangoon ...	29·901	+·018	N 36 E	1·0	72·9	68·6	93·6	+3·3	100	68·6	+2·1	61	83	− 1	2·1	0	−0·22	0	− 0·3	0
Bassein ...	29·894	+·014	N 50 W	3·0	73·8	70·8	95·0	+5·1	103	68·0	+2·1	62	86	0	2·1	0	−0·28	0	− 0·2	0
Diamond Island ...	29·873	+·017	N 31 W	6·6	77·7	73·1	89·2	−0·2	98	75·1	+2·5	72	80	− 5	1·5	0	−0·16	0	− 0·2	0
Gwa (a) ...	29·931	...	N 61 E	4·3	68·6	65·5	84·6	...	94	60·1	...	51	84	...	2·8	0	...	0	...	0
Tonngoo ...	29·786	+·012	...	...	71·2 (c)	65·2 (b)	94·9 (c)	+4·7 (c)	99	62·0 (b)	+1·2 (b)	56	71	−12	2·1	0	−0·18	0	− 0·3	0
Kyaukpyu ...	29·921	+·003	N 28 E	(q) 4·9	79·7	72·1	84·9	+3·2	90	72·3	+6·2	70	84	...	1·5	0	−0·13	0	− 0·3	0
Akyab ...	29·930	0	N 3 E	6·4	69·1	64·1	86·6	−2·3	91	61·5	+0·3	54	77	− 6	1·1	0	−0·15	0	− 0·4	0
UPPER BURMA																				
Minbu ...	29·754	+·018	N 53 W	3·1	71·8	62·0	95·4	+3·1	100	61·4	+0·4	46	54	−10	0·9	0	−0·06	0	− 0·1	0
Yamethin ...	29·277	+·005	S 81 E	3·8	69·7	60·4	94·1	+3·1	99	60·4	+0·4	54	54	−15	1·4	0	−0·22	0	− 0·4	0
Mandalay ...	29·671	+·017	S 10 E	1·4	66·7	60·7	94·0	+3·7	99	62·2	+2·1	55	69	+ 1	1·2	0	−0·08	0	− 0·3	0
Monywa ...	29·655	+·022	N 10 W	3·1	68·0	61·8	92·8 (p)	+4·8	99	62·2	+2·4	56	69	− 4	1·8	0	−0·03	0	− 0·1	0
Lashio ...	27·119	+·031	S 18 W	2·7	58·9	53·6	88·2	+5·2	86	51·4	+2·3	46	69	−18	1·6	0	−0·30	0	− 1·0	0
Bhamo ...	29·550	+·010	N 42 E	3·1	61·9	59·3	82·4	+1·6	88	55·4	+2·8	45	85	− 5	3·7	0·50	+0·02	1	− 0·4	0·50
Myitkyina ...	29·476	+·007	N 17 E	3·0	62·2	59·3	81·5	+3·4	85	57·1	+3·0	50	83	− 3	4·4	0·97	+0·12	3	+ 0·1	0·48
ASSAM																				
Dibrugarh ...	29·620	+·015	N 63 E	2·3	58·5	57·3	72·4	0·1	79	55·6	+1·6	46	94	+ 1	6·2	3·99	+1·57	7	+ 1·3	1·37
Sibsagar ...	29·663	+·001	N 54 E	3·5	60·2	58·5	73·7	+1·1	82	56·5	+3·0	48	91	− 5	8·5	1·32	−0·69	5	− 0·3	0·40
Tezpur ...	29·737	+·002	E	2·3	61·6	58·9	77·7	+1·7	86	58·0	+2·3	52	85	− 3	4·7	0·18	−0·96	1	− 1·8	0·15
Gauhati ...	29·703	+·008	S 30 E	1·6	61·7	59·0	79·8	+2·0	90	56·3	+3·3	49	85	− 2	3·0	1·94	+0·10	2	− 0·6	1·02
Dhubri ...	29·807	+·009	S 5 E	3·2	62·8	59·6	77·8	+0·2	89	57·0	+2·0	50	83	− 1	3·7	0·12	−0·61	0	− 1·5	0·04
Silchar ...	29·790	+·009	E	1·4	64·1	61·5	81·6	+0·5	84	59·0	+3·3	45	86	0	3·5	1·52	−0·60	3	− 0·6	1·07
BENGAL																				
Cox's Bazar ...	29·922	+·005	N 51 E	2·8	69·7	64·5	83·7	+1·5	90	61·4	+2·1	54	75	− 9	1·4	0	−0·37	0	− 0·7	0
Chittagong ...	29·889	+·010	N 45 E	5·0	66·4	61·4	85·3	+1·1	91	60·7	+2·0	51	73	−10	1·5	0·05	−0·98	0	− 1·3	0·05
Narayanganj ...	29·946	+·003	N 22 W	2·6	65·4	61·8	82·1	+0·5	92	60·7	+1·9	50	81	− 1	2·7	1·04	−0·36	4	+ 2·0	0·36
Barisal ...	29·966	+·017	N 45 W	1·0	67·5	63·7	82·8	+1·2	91	61·8	+2·1	52	79	− 5	1·7	0·76	−0·25	2	+ 0·1	0·48
Jessore ...	29·936	+·024	N 32 W	2·8	65·5	62·6	75·3	−2·7	88	57·2	−0·1	45	84	− 3	4·2	1·72	+0·38	5	+ 2·1	0·54
Calcutta ...	29·967	+·013	N 36 W	2·9	66·4	63·1	83·1	+0·8	91	63·0	+2·7	52	81	− 1	3·0	2·90	+1·80	5	+ 3·4	1·15
Sangor Island ...	29·965	+·010	N 10 E	7·6	71·0	67·1	79·8	−1·0	82	64·9	+0·1	53	80	− 6	3·4	4·00	+2·07	4	+ 2·2	1·16
Burdwan ...	29·878	+·005	N 37 W	1·5	65·1	61·9	81·8	−1·5	93	60·8	+2·1	49	84	+13	3·9	3·91	+2·69	7	+ 5·2	1·05
Berhampore ...	29·920	+·020	S 63 W	1·8	66·1	62·0	81·2	−0·1	91	59·4	+2·8	47	79	0	5·1	1·63	+0·75	5	+ 3·3	0·42
Mymensingh ...	29·936	+·027	S 15 E	1·5	63·6	60·6	79·6	+0·5	90	58·7	+3·2	48	84	− 1	2·5	0·46	−0·45	2	+ 0·3	0·30
Bogra ...	29·924	+·031	N 72 W	1·6	64·1	60·4	77·8	0·3	91	58·3	+3·6	48	80	0	4·3	0·85	+0·07	3	+ 1·3	0·38
Dinajpur ...	29·846	+·007	S 79 W	1·5	62·4	58·1	78·5	−0·8	89	54·9	+2·2	45	75	− 6	4·8	0·90	+0·33	1	− 0·2	0·90
Jalpaiguri ...	29·858	+·010	N 64 E	1·2	59·3	57·5	77·6	−1·0	88	54·3	+1·0	46	88	+ 2	3·2	0·04	−0·62	0	− 1·2	0·04
ORISSA																				
Balasore ...	29·931	+·025	N 22 W	3·3	69·1	65·6	83·4	−1·3	88	64·1	+2·7	54	82	+ 5	2·9	3·51	+1·02	5	+ 2·6	2·08
Chandbali ...	29·874	...	N 45 W	4·3	70·6	66·8	85·4	...	91	64·1	...	56	80	...	1·9	0·12	...	0	...	0·07
Cuttack ...	29·836	+·013	S 56 E	2·1	70·8	67·6	89·9	+1·2	97	66·1	+0·8	57	82	+ 2	3·7	0·25	−0·51	1	− 0·4	0·18
Sambalpur ...	29·768	−·007	N 51 E	2·1	69·4	65·0	96·9	+0·3	98	63·8	−3·9	55	77	+ 9	1·9	1·38	+0·59	4	+ 2·3	0·61
CHOTA NAGPUR																				
Chaibasa ...	29·231	+·018	S 81 W	2·4	65·5	62·3	(i) 82·3	−2·0	93	60·9	+3·8	51	84	+ 9	4·5	6·04	+4·55	7	+ 4·6	2·69
Ranchi ...	27·786	+·014	Calm	1·0	61·0	56·5	74·0	−3·1	85	55·9	+0·7	45	75	−16	5·1	7·86	+6·26	17	+14·2	0·93
Hazaribagh (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·84	+3·21	11	+ 8·7	0·70

(a) Reports only rainfall. (i) Mean of 23 days. (p) Mean of 16 days. (q) Mean of 15 days. (v) Mean of 10 days.

TABLE III, FEBRUARY 1931

STATION	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean S.D.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BIHAR																				
Purnea	...	29··57	·013	S 78 W	0·6	72·6	69·6	77·3	-1·5	88	53·1	-1·0	81	82	5	0·1	-0·05	-0·07	2	0·07	0·05
Darbhanga	...	29··02	+·001	N 54 W	1·4	69·4	67·1	76·0	-0·5	88	55·7	+0·9	81	71	2	1·1	0·13	+0·13	1	0·3	0·31
Patna	...	29··02	+·011	N 45 W	1·2	64·8	57·6	75·3	-1·0	87	37·4	-0·2	69	77	2	2·6	0·18	+0·07	1	+0···	1·47
Gaya	...	29··03	+·012	S 17 W	0·6	63·2	60·2	77·0	-3·5	89	36·8	+2·3	70	78	10	1·8	0·10	0·04	1	+0·3	0·96
Naya Dumka	...	29··85	+·017	N 56 W	2·0	61·1	57·3	76·1	-1·1	87	37·7	-0·1	74	78	12	1·8	0·12	0·03	1	+0·1	0·79
UNITED PROVINCES, EAST																				
Gorakhpur	...	29··74	+·009	N 56 W	2·1	68·0	65·3	74·7	2·0	90	52·2	+1·1	83	84	17	0·7	+0·27	...	...	+2·2	0·75
Benares	...	29··75	+·011	S 35 W	2·3	70·7	67·2	76·7	1·5	88	55·6	+0·8	72	79	6	0·1	-0·72	1	...	-2·2	0·50
Allahabad	...	29··74	+·010	S 22 E	3·2	68·0	63·1	75·3	2·0	88	54·7	+2·8	62	78	+10	0···	...	...	...	+0···	0·27
Cawnpore	...	29··83	+··10	N 23 W	2·0	67·0	61·1	75·4	+1·0	91	39·6	+2·5	67	78	+10	1·5	0·22	0···	2	+1·1	0·25
Lucknow	...	29··81	+·012	N 25 W	2·1	67·0	64···	73·8	+0·8	87	43·0	+2···	62	70	+11	·0·1	0·08	0·05	1	+0·5	1·28
Bahraich	...	29··53	+·011	N 58 W	2·5	65·1	62·1	75·3	+3·1	87	39·5	+0·3	42	87	+11	1·5	0·02	0·01	4	+2·0	0·17
UNITED PROVINCES, WEST																				
Jhansi	...	29··67	+·004	N 31 W	2·3	58·3	55·1	76·5	+1·3	91	32·7	1·1	44	82	2	0·6	0·01	+0··26	0	0·1	0·15
Agra	...	29··27	+·008	N 0 W	1·1	62·9	59·7	77·6	+0·6	89	45·8	+2·0	54	69	2	0·3	0··2	1	0	0···	0···
Mainpuri	...	29··79	+··02	N 2 E	0·9	57·4	54·0	74·7	+0·2	89	1·6	+1·2	36	82	3	0·3	0·39	1	...	-0·5	0···
Bareilly	...	29··87	+··03	N 5 W	1·0	55·4	52·6	72·8	+0···	84	32·4	+0·7	41	83	3	0·4	0·08	+0···	3	+3·3	0···
Meerut (a)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Roorkee	...	29··61	+·021	N 36 W	2·4	52·2	46·8	58·6	-2·6	73	38·4	+1·1	37	82	4	0·2	0···	+1···	6	-0·1	0···
Dehra Dun	...	29··62	+·021	N 18 E	1·9	51·3	45·7	66·6	-1·4	75	35·2	1·1	37	76	4	0·2	0···	+1·30	7	0···	0···
PUNJAB, EASTERN SOUTH																				
Delhi	...	29··80	+··29	N 37 W	2·0	52·6	49·1	71·6	...	82	47·1	...	36	55	3	0·0	0·00	+0···	0	0···	0···
Hissar	...	29··92	+··34	N 61 W	2·2	50·7	47·0	70·3	+1·1	79	31···	+3·2	32	74	2	0···	0···	+0···	1	0···	0···
Ambala	...	29··87	+··22	N 34 W	3·4	50·7	48·0	69·7	+0·1	84	36·5	0·5	39	82	4	0···	0···	0···	0	0·0	0···
Lyallpur	...	29··86	+··23	N 5 W	2·0	48·1	45·7	66·5	+1·1	87	32·1	+2···	36	81	4	0···	0···	+0···	2	0···	0···
Lahore	...	29··86	+··27	N 3 W	1·6	47·9	45·1	66·0	+0·1	84	31···	+1·7	38	85	4	0···	0···	+0···	2	0·2	0···
Sialkot	...	29··87	+··21	N 34 W	1·6	47·6	44···	65·7	-1·6	75	31···	-0·7	32	82	4	0···	0···	+1···	1	-2···	0···
Rawalpindi	...	29··87	+··21	N 19 E	0·9	45···	42···	62···	-1·8	75	29···	-0·5	32	71	4	0···	0···	+0·21	3	-2···	1···
PUNJAB, SOUTH-WEST																				
Khushab	...	29····	+··29	S 20 E	1···	51···	48···	68·8	-1·0	87	32·6	-1·4	33	62	...	1···	0···	...	0	-2···	0···
Lyallpur	...	29··84	+··23	S 70 W	2···	51···	48···	68···	+1···	91	31···	+0···	34	57	10	3···	0···	+0···	1	-0·1	0···
Montgomery	...	29····	+··33	N 15 W	1···	51···	48···	68·3	+0···	91	32·7	+2·1	32	70	7	1·1	0···	+0···	0	-1·4	0···
Multan	...	29····	+··35	N 10 W	1···	53···	50·1	68·4	+0·7	95	35·1	+2···	...	65 (f)	1	5···	0···	+0···	1	-0···	0···
Bahawalpur	...	29····	...	N 64 E	2···	49···	47··· (d)	69···	...	97	33···	...	29	61 (f)	...	0···	0·17	...	0	...	0···
Khanpur	...	29····	...	N 21 E	2···	49···	46···	70···	...	98	41···	...	27	65	...	1···	0···	...	2	...	0···
SIND																				
Sibi (a)	...	29··77	+··27	N 15 W	2···	57···	...	81·7	+1···	94	34···	+2···	32	...	...	0···	0···	+0···	0	+0···	0···
Sonmiani (a)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1···2	+0···	12	+5···	2···
Dadu	...	29····	+···	...	1···	59···	...	80···	1···	99	31···	+0·7	30	...	...	0···	0·21	+0···	12	+3···	2···
Lan	...	29··92	+··30	N 10 E	1···	45···	...	68···	+2···	93	21···	+1···	1	...	...	0···	0···	+0···	1	+0···	0···
Sharau	...	29··82	+··31	S 47 W	0·1	52···	...	75···	+3···	99	24···	+2···	10	...	...	0···	0···	+0···	1	+3···	0···
Gilgit	...	29····	+·1	Calm	0	37·9	35·9	47···	-1···	69	31···	-1···	37	91 (e)	26	7···	0···	+0···	1	-0···	0···
NORTH-WEST FRONTIER PROVINCE																				
Peshawar	...	29····	+··29	S 52 E	2···	44·7	41·5	61···	-1···	70	40·3	-3·5	43	75	10	1···	1···	-0·33	1	+0···	0···
Dera Ismail Khan	...	29····	+··32	N 17 W	2···	49···	44·1	66·1	-1···	74	41·3	-3·3	33	67	2	1···	0···	-0···	1	-0···	0···
Miranshah (a)	...	29···· (f)	...	S 89 W	2··· (f)	41···	37···	56···	...	64	35·1	...	33	63	...	2···	0···	...	3	...	0···
BALUCHISTAN																				
Fort Sandeman	...	25····	-···	...	2·1	35·1	...	48·7	-11·5	69	36·1	-3·8	22	...	...	...··	2·05	+1·20	8	+5·4	0···
Harnai (a)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·64	+2···	4	+3·5	1···
Quetta	...	24··73	-···	S 25 E	5···	38·4	...	44·9	-7·6	57	29·0	-3·6	19	...	...	1·9	4···	+3·09	8	+3·6	1·01
Chaman	...	25··87	-··19	S 9 E	3·5	36·9	...	47·9	-3·7	60	34·1	-2·8	23	...	...	0·7	3·22	+1·60	8	+4·1	1·41
Kalat	...	23··72	-··12	S 23 W	5·8	30·1	...	44·7	-8·3	53	26·1	+1·3	15	...	...	5·5	4·00	+3·86	10	+7·1	1·71
Dalbandin	...	27·151	-··12	Calm	3·4	41·3	...	58·6	-6·4	71	37·5	-1·1	25	...	...	4·1	1·77	+0·77	4	+1·8	0·62
Mirjawa	...	27·200	...	S 7 E	6·1	40·2	40·5 (i)	56·6	...	72	40·0	...	25	95 (i)	...	4·8	0·75	...	3	...	0·38

(a) Reports only rainfall. (e) Mean of 27 days. (f) Mean of 26 days. (i) Mean of 23 days. (n) Mean of 18 days.

STATION	PRESSURE		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN S.H.		MAXIMUM.			MINIMUM.										
	At S.L., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean at 8 h.	Departure from normal.	Mean amount at 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal	Heaviest fall in month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Jacobabad	28·539	-·021	N 13 E	4·5	54·2	35·2	70·9	-7·1	77	37·8	-5·8	31	39	-7	1·1	0·27	-0·15	3	-1·1	0·15
Hyderabad (Sind)	28·651	-·021	S 5 E	1·6	57·0	38·3	73·1	-7·1	82	42·8	-3·4	39	49	-6	1·6	0·52	-0·05	1	-0·4	0·52
Karachi	29·004	-·016	S 27 E	6·1	61·1	51·3	73·1	-4·5	77	56·7	-1·1	63	65	-1	3·8	0·27	-0·07	0	-1·0	0·0
RAJPUTANA, WEST																				
Bikaner	28·536	-·031	N 77 E	3·4	54·1	34·1	69·1	-7·7	79	47·1	-4·7	36	56	-7	3·7	0·13	-0·15	0	-0·8	0·06
Jodhpur	28·617	-·027	N 31 E	3·5	56·3	35·1	70·1	-6·1	81	42·0	-0·3	31	40	-2	3·0	1·33	-0·17	0	-0·6	0·03
RAJPUTANA, EAST																				
Jaipur	28·618	-·022	N 72 E	3·4	58·0	40·6	74·7	-4·6	83	50·3	-1·1	37	52	0	1·1	0·15	-0·15	0	-0·8	0·09
Ajmer	28·326	-·018	N 2 E	1·4	55·0	37·9	71·1	-5·1	81	40·3	+0·1	33	40	-11	5·3	0·48	-0·09	1	-1·1	0·18
Kota	28·448	-·026	N 45 E	1·9	61·0	52·3	76·7	-5·0	86	46·1	-0·6	37	52	-8	5·9	0·23	-0·09	1	-0·5	0·17
Jhalrapatan	28·383	...	N 9 W	2·2	63·6	50·7	77·9	...	88	49·4	...	41	55	...	4·1	0·11	...	1	...	0·11
Udaipur (a)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·14	0	1	-0·6	0·12
GUJARAT																				
Deesa	28·676	-·032	N 61 E	2·4	60·4	50·0	84·4	-2·7	91	35·2	+0·2	18	29	-12	4·1	0·08	-0·68	0	-0·3	0·04
Bhuj	28·646	+·006	N 14 E	6·1	61·5	50·0	79·6	1·0	87	43·9	1·6	12	19	-21	3·9	0	-0·15	0	-0·3	0
Dwarka	29·879	-·026	N 31 E	3·5	67·1	56·3	78·5	+0·1	84	61·0	+1·5	55	59	-12	4·9	0·05	-0·27	0	-0·5	0·05
Rajkot	29·542	-·009	N 25 E	4·6	62·4	52·7	80·0	-0·6	91	44·6	-0·3	33	30	-10	4·6	0·01	-0·09	0	-0·3	0·01
Veraval	29·574	-·012	N 14 E	4·3	65·9	54·3	82·9	+1·1	91	61·7	+3·5	53	44	-15	2·4	0	-0·05	0	-1·2	0
Surat	29·629	-·030	N 15 E	2·2	67·4	58·5	84·4	+2·2	93	64·4	+1·7	48	57	-5	2·0	0	-0·07	0	-0·2	0
Bhavnagar	29·597	-·027	N 4 W	3·7	64·0	52·2	83·6	1·1	90	51·2	+0·6	43	35	-15	3·8	0	-0·08	0	-0·2	0
Ahmadabad (a)	29·547	-·020	N 21 E	3·6	66·0	52·4	84·0	3·8	90	49·7	+1·2	32	38	-8	4·2	0	-0·12	0	-0·3	0
CENTRAL INDIA, WEST																				
Neemuch	28·751	-·036	...	1·4	58·0	36·8	80·2	1·5	84	36·0	+0·2	32	31	-3	3·5	0·11	-0·49	0	-0·4	0·05
Indore	28·412	-·009	N 61 E	3·2	64·5	52·1	82·0	1·0	89	43·7	+1·1	11	16	-8	3·7	0	-0·18	0	-0·6	0
Bhopal	28·598	...	N 65 E	2·2	62·1	51·7	78·2	...	91	36·3	...	13	35	...	4·9	...	...	...	...	...
CENTRAL INDIA, EAST																				
Nowgong	28·315	-·018	N 18 E	1·8	64·9	51·3	78·2	+1·3	91	38·3	+2·1	32	45	-15	6·9	0·92	+0·42	2	+0·9	0·48
Satna	28·356	-·016	N 2 E	5·1	60·6	54·7	77·3	-1·5	92	53·8	-1·5	33	72	+11	5·8	1·87	+0·81	3	+1·3	0·75
BERAR																				
Akola	28·504	-·032	N 85 E	1·7	70·1	56·1	86·4	+1·3	97	62·9	+2·1	53	29	-7	0·5	0	-0·29	0	-0·5	0
Amraoti	28·507	-·016	N 15 E	0·9	71·0	57·0	91·2	1·7	97	63·1	+3·6	38	15	-3	2·5	0	-0·35	0	-0·7	0
CENTRAL PROVINCES, WEST																				
Khandwa	28·687	-·037	N 19 W	1·9	68·4	55·6	88·9	+0·4	96	58·8	+2·9	36	46	-2	1·3	0	-0·12	0	-0·3	0
Hoshangabad	28·616	-·007	N 86 E	2·2	64·4	56·1	85·9	+1·0	93	58·7	+3·1	44	33	-5	1·7	0	-0·11	0	-1·0	0
Sangor	28·411	-·001	N 34 E	0·4	63·6	52·7	75·6	-0·9	93	56·5	0	32	57	+11	4·1	0·67	+0·12	1	-0·2	0·55
Jubbulpore	28·585	-·017	N 57 E	1·2	63·8	57·1	81·2	-0·3	92	56·1	+1·7	36	77	+15	2·9	0·80	-0·02	2	+0·5	0·36
Seoni	28·557	-·021	N 44 E	3·1	65·8	58·7	84·2	+1·0	90	58·9	+2·9	52	64	+6	2·0	1·61	+0·10	3	+1·0	0·50
Nagpur	28·572	-·032	N 71 E	2·9	67·6	58·5	91·7	+3·2	98	61·8	+4·2	57	32	+1	1·7	0·63	-0·57	9	+1·1	0·07
CENTRAL PROVINCES, EAST																				
Pendra	27·992	-·046	S 27 E	2·6	63·7	59·0	78·8	-0·2	89	56·1	+1·7	44	76	+20	2·7	2·65	+1·97	8	+4·9	0·90
Raipur	28·582	-·027	N 59 E	3·3	69·6	61·0	87·6	+1·9	94	58·9	+1·5	36	61	+4	1·3	0·16	-0·69	1	-0·6	0·16
Kanker	28·667	...	S 87 E	2·7	70·1	62·7	85·9	...	94	61·2	...	-53	69	...	0·7	0·01	...	0	...	0·03
Chanda	29·250	-·022	S 86 E	4·8	71·9	64·1	90·1	+2·7	90	66·3	+6·9	60	64	+5	0·4	0·01	-0·73	0	-1·1	0·01
Jagdalpur	28·128	+·003	S 15 W	2·5	66·1	62·2	88·4	+2·2	93	59·9	+1·8	36	79	+6	1·1	0·07	-1·29	0	-1·3	0·05
KONKAN																				
Bombay	29·981	-·026	N 3 E	7·3	72·3	65·6	85·7	-0·8	87	68·5	+1·2	65	69	-2	0·5	0	-0·96	0	-0·2	0
Ratnagiri	29·769	-·042	N 72 E	3·0	71·4	65·3	85·6	-1·2	88	68·9	+1·7	67	69	-5	0·1	0	-0·75	0	-0·1	0
Marmugao	29·738	-·011	N 87 E	6·5	77·6	71·7	84·9	+0·1	88	72·6	+1·9	71	73	-10	2·5	0	-0·07	0	-0·1	0
Karwar	29·889	-·031	N 4 E	4·0	72·1	69·3	86·3	+0·3	89	69·4	+2·1	65	90	+5	1·7	0	-0·01	0	-0·1	0
BOMBAY DECCAN																				
Malegaon	28·561	-·013	S 82 W	3·2	67·2	55·3	93·0	+1·9	96	56·2	+1·3	47	43	-2	2·1	0	-0·07	0	-0·2	0
Ahmadnagar	27·703	-·001	N 21 W	3·4	68·5	55·5	90·5	+2·1	95	58·8	+3·3	54	40	-7	0·5	0	-0·17	0	-0·2	0
Poona	28·105	-·001	S 52 W	2·5	65·4	57·8	91·9	+1·3	97	56·4	+1·2	51	58	+1	0·6	0	-0·06	0	-0·1	0
Sholapur	28·353	-·007	N 51 E	1·1	72·6	58·2	94·5	+3·0	100	66·1	+3·6	62	35	-3	0·3	0	-0·06	0	-0·1	0
Bijapur	27·988	+·007	N 19 W	2·9	74·1	59·9	93·7	+2·7	98	67·1	+3·2	61	41	-10	0·9	0	-0·06	0	-0·2	0
Belgaum	27·891	+·012	N 79 E	2·9	69·4	60·6	92·9	+3·7	96	61·2	+1·8	57	58	+7	0·7	0	-0·05	0	-0·1	0
HYDERABAD, NORTH																				
Aurangabad	28·047	-·008	N 68 E	5·2	69·6	56·5	90·0	+1·3	95	52·7	+3·8	56	41	+2	1·6	0	-0·17	0	-0·4	0
Parbhani (a)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	-0·34	0	-0·9	0
Nizamabad	28·672 (c)	-·016	S 16 W	2·2	74·3	64·3	94·6	+3·7	103	67·2	+5·7	62	56	+2	0·4	0·35	-0·15	1	+0·1	0·35

(a) Reports only rainfall. (c) Mean of 27 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·433	+·007	S 52 E	5·7	75·7	63·5	94·0	+1·5	99	72·3	+8·2	66	49	- 1	0·5	0	-0·59	0	-0·5	0
Raichur ...	28·627	+·016	S 36 E	6·4	76·6	63·9	94·5	+2·5	100	73·0	+2·6	65	73	+17	0	0	-0·23	0	-0·2	0
Hyderabad ...	28·227	+·015	S 19 E	3·5	77·8	65·2	93·2	+3·5	99	64·9	+0·7	60	62	+ 4	1·4	0	-0·30	0	-0·7	0
Hanamkonda ...	29·070	+·008	S 32 E	7·4	71·5	67·6	91·4	+1·8	95	67·3	+2·6	65	80	+18	3·7	0·01	-0·34	0	-0·7	0·01
MYSORE																				
Chitaldrug ...	27·541	+·019	S 3 W	5·3	74·3	64·6	92·5	+3·2	97	67·1	+1·2	61	58	-	1·1	0	-0·33	0	-0·2	0
Bangalore ...	26·952	+·015	S 70 E	1·2	67·7	62·4	89·1 (m)	+2·9	93	60·0	-0·2	55	72	- 1	3·3	0	-0·17	0	0·3	0
Mysore ...	27·442	+·007	S 84 E	4·6	69·8	64·1	92·7	+3·9	97	64·3	+0·7	59	73	-	0·4	0	-0·22	0	-0·4	0
MALABAR																				
Mangalore ...	29·852	-·003	N 61 E	5·0	73·3	73·6	88·3	-0·2	91	74·0	1·9	71	76	- 3	2·1	0	-0·06	0	-0·1	0
Calicut ...	29·896	+·002	E	5·4	78·4	73·4	91·0	+2·9	92	73·3	+0·4	70	78	- 2	3·3	0	-0·16	0	-0·3	0
Cochin ...	29·912	+·003	N 65 E	4·2	80·6	73·8	88·3	-1·8	90	75·6	+1·0	71	70	- 5	1·6	0·21	-0·08	1	-0·3	0·21
Trivandrum ...	29·691	-·017	N 81 E	4·9	77·5	72·5	86·7	-1·1	93	71·7	+1·0	72	77	- 6	0·9	0	-0·61	0	-1·1	0
MADRAS, SOUTH-EAST																				
Palamcottah (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	-0·89	0	-1·4	0
Pamban ...	29·906	+·011	N 35 E	8·0	80·4	74·5	86·3	+0·3	87	77·3	+2·4	74	71	+ 6	4·1	0·07	-0·66	0	-1·2	0·07
Madura ...	29·486	+·002	N 22 E	3·5	76·4	70·5	91·3	-0·5	91	70·8	+0·6	66	73	- 2	1·9	0	-0·36	0	-0·6	0
Negapatam ...	29·926	+·018	N 27 E	8·9	78·6	73·1	84·2	0·9	86	75·2	+3·5	71	75	- 2	5·3	0	-0·63	0	-0·8	0
Trichinopoly ...	29·709	+·014	N 29 E	3·1	77·5	71·5	92·1	-0·3	95	70·5	+1·6	66	75	- 2	2·4	0	-0·36	0	-0·7	0
Coimbatore ...	28·509	+·001	N 44 E	2·9	73·0	68·4	89·4	-2·1	92	67·9	+1·9	63	78	- 2	5·3	0	-0·32	0	-0·6	0
Salem ...	29·039	+·005	N 47 E	5·7	74·8	65·6	92·3	-1·1	97	66·8	+0·3	63	72	- 4	1·3	0	-0·27	0	-0·6	0
Cuddalore ...	29·951	+·024	N 21 W	2·7	75·7	72·1	84·8	0·8	87	69·7	-0·1	66	84	2	4·5	0	-0·89	0	-1·9	0
Vellore ...	29·247	-·003	S 67 W	3·0	71·5	68·0	88·1	-1·2	93	66·7	+0·5	62	83	0	4·8	0	-0·29	0	-0·5	0
Madras ...	29·936	+·003	N 53 W	5·8	76·0	72·2	86·4	0·4	90	65·7	0	63	81	- 2	2·9	0	-0·32	0	-0·6	0
MADRAS, DECCAN																				
Cuddapah ...	29·527	+·020	S 50 E	7·2	75·8	70·0	92·2	2·5	97	69·1	-0·2	63	73	+ 6	2·8	0	-0·14	0	-0·2	0
Bellary ...	28·461	+·010	S 25 E	2·9	75·2	65·1	94·0	-0·1	98	66·7	+0·6	62	67	+ 3	1·1	0	-0·16	0	-0·3	0
Kurnool ...	29·619	-·016	S 31 E	5·1	74·6	65·5	94·3	+0·5	99	67·9	+2·6	61	59	- 2	1·2	0	-0·16	0	-0·3	0
MADRAS COAST, NORTH																				
Nellore ...	29·893	+·011	S 8 W	3·1	75·3	71·5	87·9	-1·8	93	70·1	+0·6	67	81	- 4	3·0	0	-0·42	0	-0·4	0
Masulipatam ...	29·967	+·011	N 11 E	3·2	75·1	70·9	83·9	-2·7	88	67·8	-0·8	63	81	- 4	2·5	0	-0·42	0	-0·5	0
Cocanada ...	29·950	+·017	N 9 E	6·2	74·7	69·5	84·4	-1·3	89	68·3	-1·5	64	76	- 2	3·5	0	-0·32	0	-0·5	0
Vizagapatam ...	29·861	+·026	N 69 W	3·9	73·3	69·9	82·5	-1·3	86	69·9	-2·2	63	85	+11	2·3	0	-0·85	0	-0·9	0
Calingapatam ...	29·966	+·020	N 70 W	3·6	73·0	69·8	85·8	-1·7	92	68·4	+0·7	62	87	+ 3	3·0	0	-0·30	0	-0·9	0
Gopalpur ...	29·923	+·019	N 44 W	6·7	72·8	69·0	83·1	+0·1	86	68·2	0·8	60	81	+ 3	3·6	0	-0·09	0	-1·1	0
HILL STATIONS, EXCLUDING KASHMIR AND BALUCHISTAN																				
Maymyo ...	26·445	+·014	S 11 W	0·5	58·5	54·2	79·2	+0·8	85	48·3	+5·0	30	74	- 11	1·7	0	-0·17	0	0·6	0
Shillong ...	25·135	+·014	S 52 W	3·0	53·6	47·0	64·2	+1·7	73	44·0	+1·8	31	80	- 7	3·7	0·47	-0·73	2	-0·7	0·31
Cherrapunji ...	25·696	+·006	S 65 W	6·3	55·0	50·4	63·5 (h)	+1·5	71	49·6	+1·9	42	70	+ 1	3·3	1·22	-1·59	1	+0·4	0·75
Darjiling ...	22·894	-·005	S 27 W	5·1	45·4	39·5 (l)	49·1	+0·2	57	37·5	+1·1	32	59	- 23	1·4	0·53	-0·57	3	+0·4	0·19
Mukteswar ...	...	...	N 77 E	4·4	37·8	35·6 (f)	46·4	-4·3	55	31·6	0·8	27	83	+ 25	6·9	3·83	+1·41	12	+7·4	0·64
Mussooree ...	...	...	S 41 E	3·8	38·4	35·7 (m)	46·0	...	53	35·4	...	29	80	...	6·6	5·28	+0·81	12	+6·7	1·35
Simla ...	25·038	-·011	S 24 E	3·2	37·1	34·3	43·9	-4·5	50	32·7	-2·2	27	75	+ 26	5·9	4·17	+0·04	7	+1·2	0·76
Dharampore (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·22	...	8	...	1·60
Dalhousie (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11·96	...	13	...	2·08
Murree ...	...	...	S 45 E	5·2	35·6	33·8 (l)	43·4	-6·7	50	30·9	-3·5	20	83	+ 21	7·5	0	-4·11	0	-3·9	0
Cherat ...	26·724	+·002	N 28 W	9·4	38·1	34·6 (j)	45·4	-6·8	55	34·4	-6·6	26	70	+ 16	6·3	1·09	-1·89	4	-0·3	0·28
Parachinar ...	24·420	-·003	N	2·5	30·3	...	44·6	-6·9	54	25·2	-5·7	12	...	...	5·3	2·46	+0·33	8	+3·1	0·78
Drosh ...	...	...	S 15 E	1·3	31·3	...	41·3	-8·4	49	28·9	-4·4	21	...	...	6·7	2·95	+1·12	7	+3·9	0·78
Mount Abu ...	26·069	+·001	N 5 E	4·4	57·7	45·5	65·4	-2·4	73	49·7	-3·5	43	36	- 3	4·9	0·31	+0·03	2	+1·1	0·19
Pachmarhi ...	26·469	-·002	S 40 W	2·6	64·8	56·4	76·3	+1·1	83	53·4	+2·4	31	58	+ 5	7·5	0·48	-0·18	2	+0·5	0·20
Mercara ...	26·928	+·010	N 64 E	3·0	66·1	63·1	83·5	+2·6	88	60·6	+1·8	56	85	+12	1·6	0	-0·19	0	-0·5	0
Kodaikanal ...	22·833	+·029	N 77 E	7·3	60·7	43·5	69·7	+3·5	75	50·0	+4·6	36	20	-32	0·5	0	-1·41	0	-3·0	0
Coonoor ...	24·462	...	N 45 E	1·2	60·2	50·4	72·1	...	76	46·5	...	41	49	...	1·1	0	...	0	...	0
CEYLON																				
Colombo ...	29·862	-·021	N 32 E	3·9	74·3	72·3	88·2	-0·3	92	73·9	+1·5	71	90	+ 7	3·8	0·77	-1·34	3	-0·4	0·32

(a) Reports only rainfall. (f) Mean of 26 days. (h) Mean of 24 days. (j) Mean of 22 days. (l) Mean of 20 days. (m) Mean of 19 days.

Y P. P.—S 1091—420—17-3-31

MONTHLY WEATHER REPORT

FOR

March 1931

LIBRARY
WEATHER BUREAU

Supplement to the Indian Daily Weather Report for the 23rd April 1931

Published by order of the Governor-General in Council

Summary.—The five western disturbances, which entered India, gave the usual amount of precipitation only in the Punjab. Temperature was above normal in north India during the last week.

Of the five western disturbances, which entered northwest India during the month, the first lay as a depression over the Punjab on the 3rd morning. The depression persisted there for two days and filled up by the 5th. It was responsible for fairly widespread precipitation in the North-West Frontier Province, the Punjab and Kashmir from the 1st to 3rd, in Baluchistan on the 1st and 2nd and in the west United Provinces on the 2nd and 3rd and local rain in west Rajputana on the 2nd, with a few falls along the western Himalayas on the 4th. The second western disturbance passed away eastwards through Kashmir, after causing a few falls of rain or snow in Baluchistan on the 5th and along the northwest frontier and in Kashmir on the 6th. The next disturbance gave local rain in Baluchistan on the 13th and a few falls in Sind on the 14th and in Kashmir and along and near the Punjab hills on the 15th and 16th. The fourth western disturbance, which began to affect the northwest frontier on the 21st, moved eastwards to the United Provinces by the 28th and after persisting there for the next three days filled up by the 31st. It gave a few falls of rain or snow in the North-West Frontier Province on the 25th and 26th, local rain in Kashmir on the 26th and 27th and nearly general thundershowers in Assam, with a few falls in Bengal on the 30th. The last disturbance caused a few falls of rain in Baluchistan on the 31st.

2. A low pressure area, which lay over the east United Provinces on the 3rd morning, moved eastwards to Assam in the course of the next three days and there filled up. It caused scattered thundershowers in northeast India from the 1st to 4th and in east Bengal, Assam and Upper Burma on the 5th and 6th.

3. Scattered thundershowers occurred in the Central Provinces on the 9th, 10th, 13th, 14th and from the 18th to 21st, in Chota Nagpur, Orissa, Bengal and Assam on the 10th and 11th, in Hyderabad on the 11th, 16th and 20th, in the Bombay Deccan on the 21st and 24th and in south Madras on the 31st. A few falls of rain also occurred in Kashmir from the 28th to 30th and in the Punjab hills on the 30th.

4. The month's rainfall was in large excess in the west Central Provinces, in moderate or slight excess in the Konkan and the Bombay Deccan and normal in Orissa and the Punjab; it was in slight defect in Bengal, Bihar, the west United Provinces and west Rajputana, in moderate defect in Assam, Baluchistan, Berar, Malabar and the Madras Deccan and in large defect elsewhere. Averaged over the plains of India, the month's rainfall was in defect by 39 per cent.

5. Due to the incursion of cold winds in the rear of the first western disturbance of the month, low temperatures prevailed in Sind, Gujarat, Rajputana and Central India from the 4th to 7th, in Baluchistan and from the North-West Frontier Province to the United Provinces on the 8th and 9th and in the United Provinces, Bihar and Chota Nagpur from the 11th to 14th. The fourth western disturbance caused an influx of warm winds giving rise to a heat wave in north India and was responsible for markedly high day temperatures there during the last week and for warmer nights in the Central Provinces and the Deccan on the last four days of the month. Both the mean maximum and minimum temperatures were above normal in Mysore. The maximum temperature alone was higher than usual in Assam and the North-West Frontier Province and lower than usual in Chota Nagpur; while the minimum alone was above normal in Hyderabad and the Madras Deccan and below it in the west United Provinces, the east and north Punjab, east Rajputana and east Central India.

[Price 4 annas.]

Summary of the Local Conditions

Burma, including the Bay Islands.—The total rainfall of the month was in large defect. Cloud proportion was more than usual in the Bay Islands and less than usual in Upper Burma, while humidity was generally in defect. Temperature was normal.

Northeast India, including Orissa.—Rainfall during the month was normal in Orissa, in slight defect in Bengal and Bihar, in moderate defect in Assam and in large defect in Chota Nagpur. Skies were more clouded than usual in Bihar and Orissa. Humidity was in defect in Assam, Bengal and Bihar. Maximum temperature was above normal in Assam and below it in Chota Nagpur.

The United Provinces, Central India and the Central Provinces.—The month's rainfall was in large excess in the west Central Provinces, while it was in slight defect in the west United Provinces, in moderate defect in Berar and in large defect elsewhere. Cloudiness was more than usual in east Central India and the Central Provinces. Air was drier than usual in the division except in the west Central Provinces. Minimum temperature was in defect in the west United Provinces and east Central India.

Northwest India.—The total rainfall of the month was normal in the Punjab, in slight defect in west Rajputana, in moderate defect in Baluchistan and in large defect elsewhere. Skies were generally less clouded than usual except in Gujarat. Humidity was in defect in the east and north Punjab, the North-West Frontier Province, Rajputana and Gujarat. Maximum temperature was above normal in the North-West Frontier Province and the minimum below it in the east and north Punjab and east Rajputana.

The Peninsula.—The month's rainfall was in moderate excess in the Konkan, in slight excess in the Bombay Deccan, in moderate defect in Malabar and the Madras Deccan and in large defect elsewhere. Skies were generally more clouded than usual. Humidity was in defect in the Bombay Deccan, southeast Madras and the Madras Deccan. Maximum temperature was above normal in Mysore and the minimum in Hyderabad, Mysore and the Madras Deccan.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 33 sub-divisions. Table III contains the monthly means of the 8 hrs. observations published in the Indian Daily Weather Reports: the divisional means, Tables I and II, are based on these observations.

POONA:
The 8th April 1931.

S. BASU,
for *Director General of Observatories.*

Stations	Rainfall. Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Departure from normal of Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"					%	
Burma	0·29	0·70	−0·41	− 59	+0·3	0	− 1	−0·6
Assam	1·99	3·93	−1·94	− 49	+2·3	+0·4	− 7	+0·7
Bengal	1·37	1·70	−0·33	− 19	+0·5	−1·0	− 1	−0·1
Bihar and Orissa	0·70	0·94	−0·24	− 26	−0·7	−1·0	− 3	+1·0
United Provinces	0·32	0·50	−0·18	− 36	+0·4	−1·5	− 7	+0·2
Punjab	0·92	0·97	−0·05	− 5	+0·1	−1·4	− 5	−0·7
North-West Frontier Province.	0·60	1·63	−1·03	− 63	+3·1	−1·5	− 13	−0·8
Sind	0·09	0·27	−0·18	− 67	−0·6	−0·6	0	−1·0
Rajputana	0·07	0·19	−0·12	− 63	0	−1·9	−10	−0·6
Bombay	0·08	0·10	−0·02	− 20	−0·3	−0·3	− 8	+1·1
Central India	0	0·23	−0·23	−100	0	−1·8	− 9	+0·4
Central Provinces	0·58	0·55	+0·03	+ 5	−0·6	+0·5	− 5	+0·6
Hyderabad	0·16	0·50	−0·34	− 68	+0·5	+3·0	+ 1	+0·3
Mysore	0·09	0·36	−0·27	− 75	+2·6	+2·1	− 3	−0·3
Madras	0·14	0·49	−0·35	− 71	−0·9	+1·2	− 4	+0·5
Mean of India	0·45	0·74	−0·29	− 39	+0·1	−0·3	− 5	0

Sub-division	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
1. Bay Islands ...	0	0·74	− 0·74	− 100	−0·6	−0·3	− 7	+0·7
2. Lower Burma ...	0·32	0·84	− 0·52	− 62	+0·1	−0·4	− 3	−0·5
3. Upper Burma ...	0·25	0·50	− 0·25	− 50	+0·5	−0·4	− 5	−0·7
4. Assam ...	1·99	3·93	− 1·94	− 49	+2·3	−0·4	− 7	−0·7
5. Bengal ...	1·37	1·70	− 0·33	− 19	+0·5	−1·0	− 4	−0·4
6. Orissa ...	1·31	1·34	− 0·03	− 2	−0·7	+0·1	+ 2	+0·9
7. Chota Nagpur ...	0·48	1·11	− 0·63	− 57	−2·3	−1·0	0	+1·5
8. Bihar ...	0·47	0·60	− 0·13	− 22	0	−1·7	− 6	+0·8
9. United Provinces, East ...	0·14	0·37	− 0·23	− 62	+0·7	−0·8	− 7	+0·4
10. Do. do. West ...	0·48	0·62	− 0·14	− 23	+0·1	−2·1	− 7	−0·1
11. Punjab, East and North ...	1·03	1·11	− 0·08	− 7	−0·1	−2·0	− 7	−0·7
12. Do. Southwest ...	0·72	0·72	0	0	+0·4	−0·5	− 3	−0·9
13. Kashmir ...	1·13	3·98	− 2·85	− 72	+1·9	+0·6	− 3	−1·4
14. North-West Frontier Province ...	0·60	1·63	− 1·03	− 63	+3·1	−1·5	−13	−0·8
15. Baluchistan ...	0·92	1·27	− 0·35	− 28	+0·5	−0·6	+ 1	−1·0
16. Sind ...	0·09	0·27	− 0·18	− 67	−0·6	−0·6	0	−1·0
17. Rajputana, West ...	0·15	0·17	− 0·02	− 12	+0·1	−0·9	− 5	−0·9
18. Do. East ...	0·04	0·19	− 0·15	− 79	0	−2·3	−11	−0·4
19. Gujarat ...	0	0·09	− 0·09	− 100	−0·1	−0·9	−11	+0·9
20. Central India, West ...	0	0·07	− 0·07	− 100	−1·5	−1·2	− 7	+0·3
21. Do. do. East ...	0	0·39	− 0·39	− 100	+1·5	−2·4	−11	+0·5
22. Berar ...	0·24	0·34	− 0·10	− 29	−0·4	+1·9	− 7	+0·5
23. Central Provinces, West ...	0·80	0·42	+ 0·38	+ 90	−0·8	0	−10	+0·6
24. Do. do. East ...	0·41	0·85	− 0·44	− 52	−0·5	+0·7	+ 3	+0·5
25. Konkan ...	0·04	0·03	+ 0·01	+ 33	−0·7	−0·5	− 3	+0·9
26. Bombay Deccan ...	0·21	0·17	+ 0·04	+ 24	−0·1	+0·7	− 3	+1·5
27. Hyderabad, North ...	0·20	0·59	− 0·39	− 66	+0·5	+3·0	− 3	+1·6
28. Do. South ...	0·13	0·43	− 0·30	− 70	+0·6	+3·0	+ 2	+0·6
29. Mysore ...	0·09	0·36	− 0·27	− 75	+2·6	+2·1	− 3	−0·3
30. Malabar ...	0·58	1·04	− 0·46	− 44	+0·1	−1·3	− 2	+0·4
31. Madras, Southeast ...	0	0·43	− 0·43	− 100	−0·9	+1·8	− 4	+0·5
32. Do. Deccan ...	0·13	0·22	− 0·09	− 41	−1·9	+2·0	− 8	+1·0
33. Do. Coast North ...	0·09	0·37	− 0·28	− 76	−0·9	+0·5	− 3	+0·3

STATION	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ANDAMAN ISLANDS																				
Port Blair	[illegible]	[illegible]	N 30 W	3·9	77·3	73·9	89·7	-0·6	93	76·9	-0·3	73	75	- 7	3·9	0	-0·74	0	-1·0	0
LOWER BURMA																				
Victoria Point	29·788	+·015	N 55 E	9·7	81·1	76·1	90·1	+0·1	93	77·3	+1·3	74	83	+ 4	4·6	1·65	+0·37	3	+ 0·6	0·72
Mergui	29·847	+·022	..	...	78·0	75·3	89·3	-1·8	93	74·6	+3·2	73	85	+ 3	3·5	0·27	-2·15	2	- 2·6	0·16
Tavoy	29·819	+·024	N 15 E	3·0	77·6	71·9	90·9	+2·8	99	...	...	...	75	-11	2·0	0	-1·59	0	- 2·2	0
Amherst	29·790	..	S 28 E	7·6	82·3	75·1	89·2	...	91	74·1	...	70	71	...	4·1	0	...	0	...	0
Rangoon	29·955	+·022	N 38 W	4·1	74·3	71·1	96·1	+0·3	100	70·5	-0·7	66	86	+ 1	4·0	0	-0·33	0	- 0·6	0
Bassein	29·882	+·023	N 16 W	3·3	78·9	72·0	95·3	+1·1	100	70·4	-0·7	63	78	- 5	0·6	0	-0·17	0	- 0·2	0
Diamond Island	29·853	+ ·018	N 37 W	5·2	80·0	74·3	...	..	...	77·5	+2·1	46	76	0	2·1	0	-0·17	0	- 0·3	0
Gwa	29·903	....	S 81 E	5·3	73·7	70·9	85·5	...	89	64·9	...	57	83	..	1·9	0	...	0	...	0
Toungoo	29·759	+·036	..	...	77·0	68·9	98·6	+1·4	101	68·5	-0·1	61	65	- 9	1·8	0	-0·33	0	- 0·5	0
Kyaukpyu	29·893	+·030	N 81 E	7·1	77·3	73·3	85·2	-0·1	87	71·7	+1·6	65	84	0	1·3	3	-0·33	0	- 0·5	0
Akyab	29·897	+·046	N 27 E	9·1	73·5	68·0	88·8	+0·3	91	66·0	-2·5	58	74	- 3	1·5	0·22	-0·27	1	+ 0·3	0·22
UPPER BURMA																				
Minbu	29·823	+·016	S	3·5	77·3	65·3	97·6	-0·8	103	63·7	-0·7	62	49	- 7	0·6	0	-0·20	0	- 0·4	0
Yamethin	29·851	+·041	S	4·4	76·5	64·6	93·1	+0·3	101	57·5	-1·3	50	49	-13	0·8	0	-0·37	0	- 0·5	0
Mandalay	29·840	+·021	S 31 E	9·9	75·1	65·4	98·5	+0·1	104	66·0	-0·3	62	57	- 4	0·6	0·10	-0·39	1	+ 0·6	0·10
Monywa	29·891	+·015	N 15 W	3·6	74·3	63·4	98·3	+1·3	104	67·1	-0·2	59	54	- 7	1·0	0·07	-0·28	0	- 0·9	0·07
Lashio	27·114	+·033	N 27 E	2·9	64·1	58·3	86·1	+0·5	93	55·5	-0·3	50	65	- 2	1·9	0·14	-0·45	1	- 0·3	0·14
Bhamo	29·809	+·011	N 6 E	2·5	66·7	62·5	97·5	-0·5	105	59·7	+0·8	53	79	- 3	3·6	0·65	-0·07	2	0	0·35
Myitkyina	29·760	+·018	N 20 E	3·8	67·3	59·3	95·3	+1·3	101	60·9	-0·1	54	74	- 5	3·0	0·79	-0·16	3	+ 0·1	0·40
ASSAM																				
Dibrugarh	29·889	+·031	N 47 E	2·3	66·3	62·4	89·3	+3·5	90	60·8	+0·2	54	79	- 6	4·4	1·34	-2·79	4	- 0·2	0·72
Sibsagar	29·879	+·042	N 56 E	1·9	66·4	63·5	92·0	+3·1	99	61·0	+1·3	55	84	- 1	4·6	3·58	-3·20	4	- 5·3	1·26
Tezpur	29·884	+·043	N 73 E	2·7	68·8	63·1	95·5	+2·9	99	62·3	+0·5	54	72	-17	3·2	1·65	-0·63	3	- 3·1	0·96
Gauhati	29·896	+·039	N 61 E	1·5	68·2	63·7	87·5	+3·6	93	60·1	+0·4	59	72	- 7	1·5	3·37	+0·08	4	- 0·3	1·19
Dhubri	29·908	+·048	N 61 E	4·3	69·5	63·0	96·5	+0·5	93	58·5	[illegible]	56	80	- 3	2·9	1·76	- 9	2	- 0·5	1·11
Silchar	29·959	+·044	N 76 E	2·1	66·0	64·7	87·8	+1·9	95	63·6	-0·5	61	80	- 1	4·0	1·74	-5·17	3	- 5·4	0·76
BENGAL																				
Cox's Bazar	29·899	+·030	N 54 E	3·9	75·3	69·3	87·4	+1·0	91	66·3	-0·5	59	75	- 7	1·9	0·80	-0·62	1	- 0·7	0·80
Chittagong	29·944	+·034	N 32 E	5·8	72·5	66·0	88·3	+3·5	95	67·1	-0·2	58	74	- 8	3·6	2·05	-0·51	4	- 1·8	1·36
Narayanganj	29·964	+·033	S	2·0	71·4	65·2	91·1	+1·8	99	65·9	-1·2	58	72	- 9	2·7	1·32	-0·77	3	- 1·6	1·45
Barisal	29·830	+·032	S 45 W	5·1	74·5	69·6	90·0	+0·5	93	68·3	+0·1	63	77	- 6	3·5	3·73	+1·51	3	- 0·6	2·90
Jessore	29·920	+·044	S 48 W	3·8	73·0	68·4	89·5	-1·7	97	63·1	-4·5	51	78	- 1	3·1	0·62	-1·99	2	- 1·2	0·39
Calcutta	29·897	+·041	S 62 W	3·5	74·9	70·6	91·7	+0·7	99	70·6	+1·2	63	79	- 1	3·9	1·31	-0·13	3	+ 0·6	1·07
Saugor Island	29·948	+·080	S 31 W	10·2	70·6	74·7	85·9	-1·0	93	74·7	+0·3	66	78	- 3	3·5	1·20	-0·23	2	0	0·75
Burdwan	29·902	+·032	S S W	1·7	71·5	67·3	91·5	-1·6	102	68·1	-1·7	57	80	+12	1·9	1·10	-0·57	2	- 0·6	0·70
Berhampore	29·863	+·049	S 42 W	2·2	74·5	66·4	91·1	-1·6	103	63·9	-1·7	54	65	- 3	3·6	1·76	+0·03	2	0	1·13
Mymensingh	29·830	+·069	S 72 E	3·3	70·7	65·1	89·2	+1·0	98	63·5	-1·1	53	73	- 8	2·3	0·61	-1·49	1	- 3·5	0·58
Bogra	29·865	+·054	S 82 E	3·3	71·7	63·6	90·9	+0·7	101	61·7	-1·4	53	62	-11	3·3	0·76	-0·41	1	- 1·1	0·76
Dinajpur	29·781	+·045	N 44 E	2·1	71·0	61·3	89·1	+0·1	100	58·7	-1·9	40	57	-11	2·0	0·21	-0·54	1	- 0·5	0·19
Jalpaiguri	29·637	+·043	N 7 W	1·6	66·5	60·6	86·7	+2·0	97	59·3	-0·5	50	70	- 2	2·5	1·60	+0·24	2	- 0·4	1·20
ORISSA																				
Balasore	29·851	+·041	N 85 W	4·4	76·2	71·5	90·2	- 1·1	97	70·4	+1·1	55	79	- 4	3·5	3·46	+1·97	3	- 3·3	1·69
Chandbali	29·804	...	S 81 W	5·5	78·4	74·3	93·6	...	100	71·3	...	66	82	...	2·5	0·20	...	1	...	0·34
Cuttack	29·888	+·037	S 48 W	2·7	79·4	73·6	97·6	+1·0	103	72·7	+0·3	69	78	0	3·6	0·41	-0·70	1	- 0·6	0·35
Sambalpur	29·418	+·026	N 11 E	2·0	74·9	65·3	94·9	-0·9	104	65·9	-1·2	57	57	+ 1	2·9	0·26	-0·68	1	- 0·9	0·16
CHOTA NAGPUR																				
Chaibasa	29·171	+·047	S 45 W	2·8	74·0	66·7	92·1	-1·7	105	65·0	-0·2	55	64	+ 2	3·3	0·38	-0·57	1	- 1·1	0·28
Ranchi	27·755	+·043	Calm	1·0	71·4	58·6	84·0	-3·0	97	61·8	-1·3	53	43	- 3	3·7	0·59	-0·71	2	- 0·7	0·36
Hazaribagh (α)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·51	-0·63	1	- 1·0	0·31

(α) Reports only rainfall.

TABLE III, MARCH 1931

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
INDIA.																				
Peshawar	26·784	+·045	S 21 E	1·6	62·3	60·9	87·8	−1·5	102	57·8	−2·2	48	59	−4	1·8	0·33	−0·22	3	−0·7	0·26
Darbhanga	29·794	+·032	S 42 E	1·5	72·0	61·9	89·4	+1·7	103	58·6	−2·9	49	54	−4	2·7	0·05	−0·42	0	1·2	0·05
Patna	29·717	+·009	S 58 W	3·6	71·6	60·4	91·0	+1·5	105	63·7	−0·5	55	45	−3	2·9	0·33	−0·14	1	0·1	0·33
Gaya	29·726	+·049	S 11 W	3·1	73·4	61·6	92·4	+0·1	107	65·5	−0·4	55	49	−4	2·9	0·05	−0·03	2	+1·2	0·20
Naya Dumka	29·626	+·031	N 64 W	2·1	73·6	60·1	89·5	−1·7	104	62·0	−0·6	52	52	−7	1·3	0·17	+0·17	2	−1·3	0·45
UNITED PROVINCES, EAST.																				
Gorakhpur	29·621	+·031	W	2·1	70·9	59·4	90·2	+0·7	102	52·4	−2·3	38	50	0	2·1	0·04	−0·02	1	+0·2	0·27
Benares	29·647	+·029	S 33 W	4·6 (b)	71·6	58·8	91·5	−0·1	106	60·6	−0·7	50	42	−13	2·7	0	−0·05	0	−0·9	0
Allahabad (b)	29·564	+·048	N 88 W	3·6	72·0	57·8	91·6	−0·3	106	60·4	−1·3	49	28	−9	2·3	0	−0·21	0	−0·3	0
Cawnpore	29·480	+·023	N 84 W	2·0	70·6	56·2	92·1	+2·2	108	61·0	+0·5	46	36	−13	0·8	0	−0·20	0	−0·8	0
Lucknow	29·587	+·029	S 89 W	2·5	70·8	59·7	91·1	+0·5	106	59·6	−0·7	50	61	−4	3·6	0	−0·25	0	−1·0	0
Bahraich	29·657	+·036	N 79 W	2·1	68·5	59·5	88·7	+0·9	104	58·2	−0·6	46	61	−4	1·6	0·52	+0·06	1	−0·3	0·55
UNITED PROVINCES, WEST.																				
Jhansi	29·032	+·053	S 31 W	2·9	75·6	59·9	92·5	−0·2	102	61·6	−2·8	50	55	−17	2·9	1	−0·29	0	−0·3	0
Agra	29·057	+·034	N 61 W	4·3	67·6	54·3	89·1	−1·1	106	54·9	−0·9	43	35	−5	0·9	0	−0·25	0	−1·0	0
Mainpuri	29·478	+·041	N 61 W	5·1	70·5	56·6	90·6	+1·5	107	54·8	−2·8	42	38	−14	2·5	0	−0·22	0	−0·9	0
Bareilly	29·526	+·029	N 64 W	2·7	64·5	56·1	88·4	+1·4	104	58·7	+0·2	50	64	−7	3·1	0·25	−0·40	1	−0·4	0·26
Meerut (a)	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	0·17	−0·19	2	+0·4	0·35
Roorkee	28·987	+·039	N 30 W	3·6	61·4	56·2	82·5	−0·7	103	52·2	−2·1	45	61	−1	1·6	0·48	−0·20	3	+0·3	0·44
Dehra Dun	27·646	+·041	N 44 W	2·6	57·7	50·7	79·5	+0·2	95	52·1	−0·5	41	63	−9	2·4	1·69	+0·57	3	+0·8	1·35
PUNJAB, EAST AND NORTH.																				
Delhi	29·215	+·046	N 57 W	3·1	68·9	60·2	86·1	...	102	54·5	...	45	43	...	2·0	0·35	−0·12	1	−0·4	0·25
Hissar	29·196	+·027	S 69 W	3·5	64·6	47·9	85·7	−1·5	102	54·1	−2·6	32	63	−1	1·5	0·42	+0·10	1	+0·1	0·50
Ambala	28·996	+·030	N 23 W	3·2	69·7	54·0	83·7	+0·3	102	56·2	−0·7	36	51	−3	2·4	0·65	−0·05	2	−0·1	0·50
Ludhiana	29·059	+·042	N 41 W	3·1	62·0	54·0	83·4	+0·5	101	52·5	−4·5	42	56	−6	1·6	0·56	−0·30	1	−1·2	0·49
Lahore	29·004	+·042	N 6 W	2·2	64·2	55·4	83·0	−1·3	97	52·7	−1·9	43	53	−12	2·6	0·09	+0·13	3	−1·1	0·66
Sialkot	28·938	+·040	N 16 E	1·7	63·7	54·2	79·7	−0·7	96	52·0	−1·7	41	66	−1	2·9	1·51	−0·27	3	−0·2	0·90
Rawalpindi	28·870	+·033	N 75 E	3·1	61·9	51·1	77·3	+2·3	93	49·5	−0·8	33	47	−22	3·5	2·61	+0·17	3	+1·7	1·31
PUNJAB, SOUTH.																				
Shahpur	28·931	+·036	N 15 E	4·4	65·9	57·3	82·6	+2·0	98	56·3	+0·2	38	58	+2	3·0	0·05	−0·57	1	−0·6	0·05
Lyallpur	29·033	+·042	N 12 W	2·9	63·1	54·5	81·2	−0·3	97	52·5	−0·9	42	58	−10	2·0	1·30	+0·70	3	+0·7	0·65
Montgomery	29·071	+·044	S 61 E	2·7	63·5	55·0	82·5	−1·5	100	54·6	−1·1	42	30	+3	2·2	0·59	+0·39	2	−0·5	0·40
Multan	29·107	+·043	N 42 W	2·1	67·4	57·6	86·9	+1·4	103	58·0	−0·4	44	51	−7	2·9	0·23	−0·20	1	−0·1	0·28
Bahawalpur	29·154	...	S 26 E	2·8	64·4	55·9	87·5	...	103	54·8	...	42	56	...	1·8	0·03	...	0	...	0·03
Khanpur	29·058	...	N 9 E	3·2	66·5	57·5	88·9	...	104	53·1	...	37	54	...	1·6	0	...	0	...	0
KASHMIR.																				
Srinagar	24·476	+·055	S 10 W	2·8	45·4	41·0	63·7	+4·5	78	37·1	+0·4	20	81	−5	5·3	0·71	−2·32	3	−5·6	0·17
Sonamarg (c)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·59	−10·85	11	−5·6	0·55
Dras	20·849	+·065	Calm	0·2	9·6	...	28·9	−2·7	52	2·7	−0·2	−21	...	...	3·6	0·25	−3·45	3	−1·8	0·20
Leh	19·714	+·079	S 2 W	2·6	26·5	...	43·6	−0·9	62	21·0	+0·1	10	...	..	5·2	0·22	−0·06	1	0	0·16
Skardu	22·991	+·198	Calm	1·0	38·9	...	62·9	+3·9	80	34·2	+1·8	23	...	...	5·1	0·29	−0·41	1	−1·8	0·24
Gilgit	25·188	+·060	Calm	0·6	40·5	42·3	67·7	+5·8	82	35·8	+1·6	20	43	−1	4·6	1·11	+0·61	1	−0·8	1·00
NORTH-WEST FRONTIER PROVINCE.																				
Peshawar	26·784	+·047	S 35 E	2·5	60·4	52·5	78·5	+4·0	93	50·8	−1·5	35	57	−19	4·8	0·57	−1·35	3	−1·4	0·60
Dera Ismail Khan	27·016	+·057	N 24 W	2·5	66·0	55·8	83·9	+2·1	99	53·5	−1·6	42	49	−17	3·6	0·33	−0·69	2	−0·3	0·23
Miranshah (c)	26·934	...	W	1·4	57·1	46·6	70·2	...	86	49·3	...	35	57	...	1·9	0·20	..	1	.	0·24
BALUCHISTAN.																				
Fort Sandeman	25·[illegible]	+·060	S 61 E	2·3	47·4	40·9 (d)	69·5	−1·2	87	43·2	−0·6	29	50	−3	2·3	0·51	−1·07	1	−2·5	0·14
Harnai (a)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	1·12	−0·45	2	−1·7	0·80
Quetta (b)	24·427	+·061	S 63 E	3·4	49·5	39·7 (h)	64·4	+1·3	80	37·4	−2·7	26	77	+13	2·4	1·89	+0·01	5	0	0·73
Chaman	25·769	+·025	S 52 E	2·9	50·4	42·5 (b)	66·1	+1·2	83	46·4	+1·7	33	62	−8	2·8	1·53	−0·12	4	−0·5	0·66
Kalat	23·745	+·026	S 2 W	5·7	57·5	...	63·1	+1·0	78	52·2	−0·8	22	...	...	2·2	0·41	−0·66	2	−1·2	0·16
Dalbandin	27·153	+·033	S 65 E	2·5	52·6	46·3	77·3	+0·3	92	46·8	−0·2	37	58	+1	1·4	0·04	−0·64	0	−2·0	0·04
Mirjawa	27·180	...	S 77 W	7·3	53·2	46·1	79·5	...	96	50·1	...	38	59	...	2·1	0·58	...	1	...	0·58

(a) Reports only rainfall. (b) Mean of 30 days. (d) Mean of 28 days. (e) Mean of 27 days. (h) Mean of 34 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIND																				
Jacobabad	[illegible]	[illegible]	S 70 E	2·7	70·8	57·1	90·1	−0·5	101	59·5	−0·3	51	38	8	1·4	0·07	−0·17	0	−0·2	0·03
Hyderabad	[illegible]	[illegible]	N 87 W	1·5	71·7	60·8	92·2	+0·1	105	62·7	−1·1	54	44	− 2	0·7	0	−0·24	0	−0·6	0
Karachi	[illegible]	[illegible]	N 61 W	6·5	71·2	67·2	86·3	−1·5	97	67·0	−0·4	7	53	+10	1·7	0·21	−0·12	1	+0·3	0·21
RAJPUTANA, WEST																				
Bikaner	[illegible]	[illegible]	S 24 E	3·7	66·6	53·2	87·3	−1·4	102	60·6	−2·4	6	34	9	1·2	0·24	−0·02	1	+0·4	0·18
Jodhpur	[illegible]	[illegible]	[illegible]	3·6	71·6	56·9	99·[illegible]	+1·6	106	63·3	+0·6	35	23	− 9	2·3	0·05	−0·04	0	−0·2	0·05
RAJPUTANA, EAST																				
Jaipur	[illegible]	[illegible]	N 48 E	5·0	71·4	[illegible]	[illegible]	[illegible]	108	49·0	−1·5	44	31	−10	1·2	0·15	−0·32	0	−0·9	0·09
Ajmer	[illegible]	[illegible]	S [illegible] W	4·1	70·0	54·3	97·1	−1·1	100	56·5	−5·8	30	31	−17	1·9	0	−0·13	0	−0·7	0
Kotah	[illegible]	[illegible]	N 52 W	5·0	76·0	57·4	98·4	+0·7	107	63·7	−0·2	38	27	− 7	1·9	0	−0·12	0	−0·3	0
Jhalrapatan	[illegible]	...	N 32 W	2·8	72·0	54·0	91·6	...	105	60·0	...	31	26	...	1·5	0	...	0	...	0
Udaipur (a)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−0·10	0	−0·3	0
GUJARAT																				
Deesa	[illegible]	[illegible]	N 51 E	6·6	77·3	57·4	96·1	+1·5	108	61·5	−1·8	31	31	−10	2·1	0	−0·08	0	−0·2	0
Bhuj	[illegible]	[illegible]	N 77 W	4·0	71·7	60·5	93·5	−0·7	105	64·6	−1·3	30	30	−11	1·5	0	−0·12	0	0·2	0
Dwarka	[illegible]	[illegible]	N 22 W	10·4	74·2	67·4	82·0	+0·1	95	69·1	−1·4	60	62	− 6	3·2	0	−0·20	0	0·4	0
Rajkot	[illegible]	[illegible]	N 30 W	6·0	71·0	60·4	93·0	−1·6	103	61·0	−0·9	48	31	−10	0·9	0	−0·07	0	−0·1	0
Veraval	[illegible]	[illegible]	E 2 W	7·2	74·1	62·8	87·2	+2·2	100	64·9	−0·6	56	29	−16	2·4	0	−0·07	0	0·2	0
Surat	[illegible]	[illegible]	N 1 E	3·5	74·4	64·6	95·5	−0·4	106	66·7	+0·3	58	56	− 6	2·7	0	−0·02	0	−0·1	0
Bhavnagar	[illegible]	[illegible]	N 10 W	4·2	73·1	59·6	95·5	−0·3	105	64·1	−1·7	28	31	−14	3·0	0	−0·10	0	−0·2	0
Ahmadabad	[illegible]	[illegible]	[illegible] W	3·1	73·1	59·9	94·2	−2·0	106	62·9	−0·2	38	37	− 7	2·3	0	−0·08	0	−0·2	0
CENTRAL INDIA, WEST																				
Neemuch	[illegible]	[illegible]	[illegible] E	5·1	74·1	60·4	89·5	−1·3	101	58·4	−1·4	60	42	− 3	2·0	0	−0·08	0	−0·3	0
Indore	[illegible]	[illegible]	[illegible] E	3·5	73·0	59·6	90·4	−1·8	101	59·5	−1·0	37	22	−18	1·8	0	−0·06	0	−0·1	0
Bhopal	[illegible]	[illegible]	N 21 E	3·7	74·5	55·6	91·7	...	103	62·1	...	33	26	...	1·7	0	...	0	...	0
CENTRAL INDIA, EAST																				
Nowgong	[illegible]	[illegible]	S [illegible] E	3·8	76·0	60·2	93·4 (c)	+1·3	107	57·0 (b)	−3·3	47	40	0	1·6	0	−0·25	0	−0·7	0
Sutna	[illegible]	[illegible]	S 32 W	5·2	71·6	55·6	92·0	+1·7	105	60·0	−1·5	45	30	−13	2·0	0	−0·29	0	−1·1	0
BERAR																				
Akola	[illegible]	[illegible]	N 41 E	1·1	74·4	59·3	98·4	−0·4	106	67·7	+1·9	57	28	− 5	1·2	0·08	−0·50	0	−0·7	0·02
Amraoti	[illegible]	[illegible]	S 66 E	5·4	74·6	59·1	97·2	−0·4	105	71·0	+1·9	53	26	−10	2·8	0·06	−0·14	1	+1·2	0·03
CENTRAL PROVINCES, WEST																				
Khandwa	[illegible]	[illegible]	N 31 W	[illegible]	75·0 (d)	56·3 (b)	90·3	−0·4	107	65·8	−0·9	52	24 (f)	−11	0·3	0·01	−0·12	0	−0·3	0·01
Hoshangabad (a)	[illegible]	[illegible]	E	[illegible] (c)	75·4	57·4	93·9	−0·2	105	65·2	+1·3	42	26	−18	2·4	0·11	−0·11	1	+0·5	0·10
Saugor	[illegible]	[illegible]	S 81 E	4·8	74·5	53·6	90·8	−0·1	104	64·4	−0·3	51	18	−17	2·4	0	−0·35	0	−0·8	0
Jubbulpore	[illegible]	[illegible]	S 24 E	2·5	69·9	57·1	91·6	−0·2	104	60·1	−0·4	39	41	7	2·7	0·12	−0·45	0	−1·5	0·06
Seoni	[illegible]	[illegible]	N 21 E	3·2	72·3	53·3	89·2	−3·4	100	63·1	+0·6	54	39	...	3·7	2·87	+1·70	5	+3·2	1·26
Nagpur	[illegible]	[illegible]	N 28 E	3·4	75·3	59·8	96·8	−0·6	105	63·7	−0·5	45	35	− 4	2·5	2·18	+1·66	3	+1·7	1·26
CENTRAL PROVINCES, EAST																				
Pendra	[illegible]	[illegible]	N 47 W	3·4	75·1	60·0	88·9	−1·7	99	61·9	−0·6	51	47	+ 6	2·6	0·68	−0·66	3	−0·2	0·29
Raipur	[illegible]	[illegible]	N 81 E	3·3	77·0	64·5	94·8	−0·6	105	67·6	−0·4	68	48	+ 5	1·9	0·53	−0·16	1	−0·6	0·37
Kanker	[illegible]	...	S	3·9	76·8	64·6	94·3	...	104	65·0	...	66	50	...	2·0	0·44	...	1	...	0·08
Chanda	[illegible]	[illegible]	S 85 E	3·6	78·5	65·5	100·1	+0·9	108	69·9	+3·0	54	46	+ 1	1·6	0·19	−0·71	1	−0·3	0·16
Jagdalpur	[illegible]	[illegible]	S 84 W	3·9	74·3	65·7	92·4	−0·9	100	65·8	+0·8	61	62	+ 1	3·1	0·25	−0·20	1	−0·1	0·16
KONKAN																				
Bombay	[illegible]	[illegible]	N 57 E	6·8	76·1	70·2	85·8	0	91	71·4	−0·9	65	73	− 1	2·5	0	−0·07	0	−0·1	0
Ratnagiri	[illegible]	[illegible]	N 30 E	6·7	77·6	68·5	85·0	−2·1	88	71·6	−0·4	66	65	− 5	1·1	0	−0·04	0	0	0
Marmagao	[illegible]	[illegible]	N 87 E	4·0	79·1	72·5	89·8	−1·0	98	74·6	0	71	72	− 7	3·7	0·15	+0·12	1	+0·9	0·15
Karwar	[illegible]	[illegible]	N 27 E	4·0	78·0	70·6	87·6	+0·2	92	70·9	−1·9	64	63	0	3·6	0	0	0	0	0
BOMBAY DECCAN																				
Malegaon	[illegible]	[illegible]	N 71 W	3·3	76·1	57·4	95·6	−1·7	107	61·4	−1·7	47	27	−13	3·2	0	−0·07	0	−0·3	0
Ahmadnagar	[illegible]	[illegible]	N 19 W	2·7	75·9	58·9 (c)	95·0	+0·2	99	65·3	+2·8	54	32 (c)	− 9	2·4	0	−0·16	0	−0·3	0
Poona	[illegible]	[illegible]	S 26 W	2·8	72·2	59·6	96·6	−1·5	101	61·0	−1·1	61	42	−10	3·0	0·51	−0·65	0	−0·2	0·01
Sholapur	[illegible]	[illegible]	N 30 E	1·1	73·6	60·6	98·7	+0·5	103	71·6	+2·6	63	29	− 4	1·7	0·04	−0·15	0	−0·4	0·03
Bijapur	[illegible]	[illegible]	N 15 E	3·5	73·1	61·3	96·8	−0·2	101	71·0	+0·9	65	32	−15	3·6	0·22	−0·04	1	+0·2	0·19
Belgaum	[illegible]	[illegible]	N 6 W	3·3	73·5	60·8	93·9	+0·2	98	64·5	+0·6	59	46	0	3·4	0·98	+0·71	1	+0·3	0·98
HYDERABAD, NORTH																				
Aurangabad	[illegible]	[illegible]	N 67 E	6·4	77·8	57·6	95·5	−0·4	104	68·1	+2·1	58	24	− 7	3·2	0·02	−0·22	0	−0·5	0·02
Parbhani (a)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−1·07	0	−1·3	0
Nizamabad	[illegible] (b)	[illegible]	S 98 E	2·2	80·8	67·0	99·6	+1·3	106	72·2	+3·9	61	49	+ 2	2·6	0·57	+0·10	2	+1·1	0·36

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days.

TABLE III, MARCH 1931

STATION	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·408	+·036	S 43 E	5·7	82·2	65·1	98·4	−1·0	103	78·0	+5·5	68	37	−7	1·7	0·20	−0·12	1	−0·3	0·14
Raichur ...	28·592	+·044	S 14 E	5·2	83·6	71·9	99·6	+1·0	104	77·1	+3·3	69	56	−9	0·4	0·10	−0·14	0	−0·5	0·04
Hyderabad ...	28·202	+·041	S 23 E	4·0	79·3	66·9	97·5	+0·8	104	70·7	+0·6	65	55	−5	3·3	0·07	−0·15	0	−1·0	0·04
Hanamkonda ...	29·037	+·036	S 45 E	5·5	77·8	70·3	97·5	+1·5	103	73·5	+2·7	63	67	+11	2·6	0·42	+0·17	0	−0·7	0·40
MYSORE																				
Chitaldrug ...	27·529	+·031	S 49 W	3·3	79·8	65·1	96·8	+2·2	100	72·2	+2·0	59	48	−6	1·5	0	−0·25	0	−0·6	—
Bangalore ...	26·953	+·034	S 16 W	3·6	75·7	66·1	93·0	+1·9	96	67·1	+2·3	53	53	−4	1·5	0·10	−0·10	0	0·3	0·04
Mysore ...	27·432	+·027	S 3 E	3·7	75·2	68·0	97·1	+3·6	100	60·5	+3·1	45	59	−1	0·8	0·17	−0·12	1	−0·4	0·14
MALABAR																				
Mangalore ...	29·846	+·035	N 55 E	1·7	81·4	74·9	89·1	−0·6	91	76·6	+0·7	72	73	+1	3·3	1	−0·06	0	−0·3	—
Calicut ...	29·890	+·031	N 74 E	3·2	82·3	75·7	93·2	+3·4	94	76·5	+0·5	74	73	−4	2·7	0	−0·47	0	−0·7	—
Cochin ...	(b) 29·916	+·036	S 50 E	3·6	84·4	77·1	98·2	−3·1	90	79·1	+1·3	73	70	−6	3·1	3·23	+0·33	3	+0·2	1·56
Trivandrum ...	29·695	+·017	N 17 E	3·0	81·6	76·3	89·5	+1·9	91	78·6	+2·9	73	77	0	3·3	3	−1·52	3	−2·6	—
MADRAS, SOUTHEAST																				
Palamcottah (a) ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0	−0·95	0	−1·3	—
Pamban ...	29·583	+·039	N 61 E	3·6	84·2	76·6	88·4	+0·5	91	77·5	+1·4	74	73	−1	3·7	0	−0·83	0	−1·7	—
Madura ...	29·461	+·030	N 54 E	3·9	81·5	74·1	95·5	+0·1	103	75·1	+2·2	72	69	−1	4·8	0·06	−0·48	0	−0·8	0·03
Negapatam ...	29·393	+·044	S 70 E	3·3	82·0	75·3	86·9	−3·0	88	78·1	+3·1	73	73	1	5·1	0	−0·34	0	−0·7	—
Trichinopoly ...	29·684	+·036	N 14 E	3·1	81·5	74·8	96·8	−0·9	103	74·4	+1·6	69	72	0	3·6	0	−0·43	0	−0·6	—
Coimbatore ...	29·580	+·027	N 83 E	3·7	78·5	70·3	94·6	−1·5	98	71·9	+2·0	55	68	−30	3·9	0	−0·45	0	−1·0	—
Salem ...	29·633	+·028	N 33 E	3·0	79·9	72·7	97·5	−1·0	101	73·3	+1·2	68	70	−3	0·5	0	−0·48	0	−0·9	—
Cuddalore ...	29·806	+·046	W	3·7	85·5	75·2	99·0	−1·1	98	72·6	+0·3	69	76	−6	4·8	1	−0·17	0	−0·5	—
Vellore ...	29·217	+·029	S 16 W	3·8	75·7	70·1	93·6	−0·9	99	70·1	+0·7	66	75	−2	1·3	1	−0·24	0	−0·3	—
Madras ...	29·802	+·034	S 30 W	7·1	80·4	75·2	90·6	−0·3	93	73·5	+0·3	69	78	−1	1·9	1	−0·19	0	−0·3	—
MADRAS, DECCAN																				
Cuddapah ...	29·486	+·044	S 50 E	6·3	84·7	72·6	99·0	−1·6	103	75·7	+0·9	69	54	−5	2·4	3	−0·21	0	−0·2	—
Bellary ...	28·456	+·037	S 89 W	3·3	83·3	66·3	97·6	−2·7	102	73·7	+1·6	60	40	−7	1·5	0·03	−0·17	0	−0·5	0·03
Kurnool ...	28·932	+·032	S 76 E	4·8	83·2	67·6	98·0	−1·4	103	75·2	+0·5	60	42	−11	3·7	0·37	+0·11	1	−0·1	0·37
MADRAS COAST, NORTH																				
Nellore ...	29·853	+·035	S 14 E	4·9	73·9	74·6	93·5	−1·1	99	74·1	+1·1	70	76	−2	2·1	0	−0·15	0	−0·3	—
Masulipatam ...	29·923	+·030	S	3·3	81·1	75·5	90·0	−1·0	96	73·3	+0·9	64	76	−1	2·4	0	−0·33	0	−0·3	—
Cocanada ...	29·915	+·034	S 70 W	5·6	81·4	74·9	89·9	+0·9	98	73·5	−0·1	69	73	−3	3·9	0	−0·45	0	−0·7	—
Vizagapatam ...	29·801	+·033	N 78 W	1·3	80·4	74·1	86·1	−1·2	89	74·3	−0·5	69	73	−1	2·9	0·11	−0·10	1	−0·1	0·11
Calingapatam ...	29·911	+·032	N 87 W	4·9	80·4	75·7	90·9	−0·4	95	73·6	+1·1	68	80	−1	2·3	0	−0·45	0	−0·5	—
Gopalpur ...	29·856	+·056	S 61 W	9·4	78·5	73·7	84·2	−3·5	93	73·3	+0·3	66	74	−4	3·5	0·46	−0·06	1	−0·1	0·46
HILL STATIONS, EXCLUDING KASHMIR AND BALUCHISTAN																				
Maymyo ...	25·457	+·042	S 34 W	1·4	65·6	57·3	82·0	+1·3	88	53·3	+1·6	44	63	−2	0·5	0·02	−0·34	1	+0·1	0·02
Shillong ...	25·149	+·052	S 47 W	3·7	61·6	50·4	70·4	+0·4	79	49·2	−1·6	35	44	−9	3·7	1·16	−0·77	2	−2·3	0·54
Cherrapunji ...	25·706	+·033	S 59 W	7·3	68·1	53·3	70·1	+2·3	78	55·6	−1·6	46	50	−10	2·3	1·21	−3·07	5	−1·3	0·46
Darjiling ...	22·934	+·031	N 45 E	1·6	52·9	45·1	57·3	+0·7	66	43·7	+1·4	35	54	−10	3·3	0·60	−1·31	2	−1·8	0·40
Mukteswer ...	(a) 22·858	+·034	N 35 E	1·9	50·5	(b) 41·3	58·9	−0·6	71	44·5	+3·4	31	45	−3	3·6	1·84	−1·65	3	−1·5	0·98
Mussooree ...	...	...	N 79 E	4·5	50·3	(b) 41·6	58·9	...	74	(g) 43·2	...	30	40	...	2·3	3·36	+0·15	2	−4·1	1·65
Simla (b) ...	23·139	+·037	N 72 E	3·9	53·3	(d) 38·1	56·6	+0·1	71	43·3	+0·7	27	99	−11	1·7	2·26	−0·41	5	3	0·85
Dharampore (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·96	...	2	...	1·87
Dalhousie (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·67	...	5	...	1·70
Murree ...	...	...	S 15 E	5·3	60·6	40·8	(b) 56·6	+0·3	73	(b) 45·3	+1·2	28	41	−14	3·7	1·63	−3·95	3	−4·2	0·89
Cherat ...	25·745	+·051	N 25 W	10·5	54·0	43·0	63·1	+3·7	91	49·0	+3·3	32	36	−20	4·1	2·02	−3·35	4	−2·1	0·75
Parachinar ...	24·487	+·076	S 59 W	3·0	57·3	40·9	62·2	+3·2	73	39·9	+1·6	23	55	−7	4·3	1·01	−3·53	3	−5·3	0·48
Drosh ...	...	...	N 72 E	2·6	44·8	(c) 40·0	60·5	+2·5	77	42·4	+3·7	33	58	+1	5·3	1·12	−2·30	4	−3·4	0·48
Mount Abu ...	26·084	+·045	N 6 E	5·5	69·6	50·7	76·7	0	89	60·1	−1·0	26	21	−14	3·7	0	−0·17	0	−0·4	0
Pachmarhi ...	25·485	+·039	N 65 E	9·4	72·7	55·7	84·2	+0·1	35	59·3	−0·6	46	31	−7	6·2	0·05	−0·13	0	−1·1	0·05
Mercara ...	26·931	+·032	E	3·1	70·9	65·2	85·3	+0·8	89	63·4	+2·1	50	74	+5	1·3	0·34	−0·27	3	+0·5	0·21
Kodaikanal ...	22·846	+·043	N 71 E	6·6	60·9	47·1	69·3	+0·1	73	50·4	+3·0	45	33	−13	1·1	0	−2·03	0	−3·2	0
Coonoor ...	24·474	...	S 47 E	1·1	66·1	56·3	74·2	...	78	59·6	...	49	57	...	3·9	0·03	...	0	...	0·03
CEYLON																				
Colombo ...	29·878	+·032	N 73 E	3·1	75·5	74·2	89·5	−0·1	93	75·0	+0·5	72	90	+2	4·3	1·86	−3·67	4	−2·0	0·80

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days. (d) Mean of 28 days. (g) Mean of 25 days. (n) Mean of 18 days.

N. P. P.—S 1154—420—30-4-31

MONTHLY WEATHER REPORT

FOR

April 1931

Supplement to the Indian Daily Weather Report for the 20th May 1931

Published by order of the Governor-General in Council

Summary.—Although eight western disturbances entered India during the month, the associated precipitation was in moderate to large defect in northwest India. Thunderstorms were unusually active in southeast Madras and normally active in Malabar, the Bombay Deccan and Assam. A spell of hot weather prevailed over north India excepting Orissa, Bengal and Assam, and in the Deccan throughout the last week of the month.

The last western disturbance of the month of March caused local rain in Baluchistan and a few falls in the North-West Frontier Province and Kashmir on the 1st and 2nd.

2. Eight western disturbances entered northwest India during the month. The first caused local rain in Kashmir and a few falls in the east United Provinces, Chota Nagpur and Assam on the 3rd and also gave a few falls in the North-West Frontier Province and the Simla hills on the 4th. The second western disturbance moved rapidly eastwards across northwest India but persisted over the east United Provinces and east Central India till the 8th and then filled up there; it was responsible for local rain along the northwest frontier and in the Punjab-Kumaon hills on the 5th, and caused fairly widespread thundershowers in Assam ~~on~~ from the 5th to 8th, in Upper Burma on the 5th and in Bengal on the 7th and 8th; it also caused a few falls in Upper Burma on the 4th, 6th and 7th, in Bengal on the 5th and 6th and in Bihar and Orissa from the 6th to 8th. The third disturbance, entering Baluchistan on the 8th, moved on to Assam by the 14th and filled up thereafter; it caused nearly general rain in the North-West Frontier Province on the 10th, with local rain in Kashmir on the 11th and 12th, in the east and north Punjab on the 11th and in Assam on the 13th, and a few falls in the North-West Frontier Province, the southwest Punjab and the west United Provinces on the 11th and in the east Central Provinces, Orissa and Bengal on the 13th. The next two western disturbances merged into the seasonal trough of low pressure over the Gangetic plain, the first causing a few falls of rain in the North-West Frontier Province on the 16th and in the north Punjab and Kashmir on the 17th, and the second giving local rain or snow in Kashmir on the 19th and 20th, with a few falls along the northwest frontier and in the north Punjab hills on the 19th. The sixth and seventh disturbances entered northwest India in quick succession and filled up over the Punjab, after causing local rain or snow in Kashmir with a few falls in the North-West Frontier Province from the 23rd to 27th, a few falls also occurring in north Baluchistan on the 25th and in Kashmir on the 28th. The last western disturbance of the month began to affect Baluchistan on the 28th and gave a few falls of rain in Kashmir on the 30th.

3. Scattered thundershowers occurred in south Madras throughout the second week, rainfall being locally heavy in southeast Madras from the 12th to 14th in connection with unsettled conditions in the southwest of the Bay of Bengal: a few thundershowers also occurred intermittently in south Madras during the rest of the month and in Burma during the month. Associated with thunderstorms, nearly general rain fell in Assam on the 12th, 18th and 21st and during the last week, and local rain from the 9th to 11th and on the 19th, with a few falls on the 15th, 17th and 20th: there were also local thundershowers in Bengal on the 8th and 9th and a few falls on the 16th, from the 18th to 20th and during the last week. Scattered thundershowers also occurred in Mysore on the 1st, in the Central Provinces on the 1st and 2nd and in the Bombay Deccan on the 1st, 18th, 25th and the last three days of the month.

4. The total rainfall of the month was in large excess in southeast Madras, in moderate excess in Assam and the Bombay Deccan and in slight excess in Malabar; it was nearly normal in the east Central Provinces, in slight defect in Kashmir, in moderate defect in Upper Burma, Bengal, the southwest Punjab, Baluchistan, the west Central Provinces and Mysore and in large defect elsewhere. Averaged over the plains of India, the month's rainfall was in defect by 19 per cent.

[Price 4 annas.]

5. Due to an influx of warm humid winds under the influence of the fourth and fifth western disturbances, both maximum and minimum temperatures were above normal from Kashmir to Baluchistan from the 15th to 19th and in Sind and Rajputana on the 15th, 16th and 17th; the maximum was also above normal in the United Provinces, Bihar and Chota Nagpur from the 18th to 21st. A spell of hot weather prevailed over northwest India, Bihar and Chota Nagpur and over the north Deccan from the 23rd to 28th and extended to Orissa, Bengal and Upper Burma on the 29th. Normal temperatures were restored over northwest and Central India after the 28th by the cold winds brought in the rear of the sixth and seventh western disturbances.

Both the mean maximum and minimum temperatures were above normal in Upper Burma, Chota Nagpur, Bihar, the east United Provinces, northwest India, the Central Provinces, north Hyderabad and Mysore. The maximum alone was higher than usual in Orissa, the west United Provinces and east Central India, and the minimum alone in Bengal, the Konkan, the Bombay Deccan, south Hyderabad and the Madras Deccan.

Summary of the Local Conditions

Burma, including the Bay Islands.—The month's rainfall was in moderate defect in Upper Burma and in large defect elsewhere. Cloud proportion was higher than usual in Lower Burma. Humidity was in defect in the Bay Islands. Both maximum and minimum temperatures were above normal in Upper Burma.

Northeast India, including Orissa.—Rainfall during the month was in moderate excess in Assam and in moderate to large defect elsewhere. Humidity was in defect and both mean maximum and minimum temperatures were above normal in Chota Nagpur and Bihar, the maximum alone in Orissa and the minimum alone in Bengal.

The United Provinces, Central India and the Central Provinces.—The rainfall of the month was normal in the east Central Provinces, in moderate defect in the west Central Provinces and in large defect elsewhere. Cloud amount was less than usual in the east United Provinces, Central India and the west Central Provinces and more than usual in the east Central Provinces. Humidity was largely in defect outside the east Central Provinces. Both mean maximum and minimum temperatures were above normal in the east United Provinces and the Central Provinces; the maximum alone was above normal in the west United Provinces and east Central India.

Northwest India.—The total rainfall of the month was in slight defect in Kashmir, in moderate defect in the southwest Punjab and Baluchistan and in large defect elsewhere. Skies were more clouded than usual in Baluchistan and clearer in east Rajputana. Humidity was in defect generally except in the southwest Punjab, Kashmir and Baluchistan. Both mean night and day temperatures were above normal generally.

The Peninsula.—The month's rainfall was in very large excess in southeast Madras, in moderate excess in the Bombay Deccan, in slight excess in Malabar, in moderate defect in Mysore and in large defect in the remaining sub-divisions. Cloud amount was higher than usual in the Bombay Deccan, north Hyderabad, Malabar, southeast Madras and the Madras Deccan. Humidity was in defect in the Bombay Deccan and north Hyderabad. Mean maximum as also the mean minimum were above normal in north Hyderabad and Mysore, the latter alone in the Konkan, the Bombay Deccan, south Hyderabad and the Madras Deccan.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 33 sub-divisions. Table III contains the monthly means of the 8 hrs. observations published in the Indian Daily Weather Reports; the divisional means, Tables I and II, are based on these observations.

POONA:
The 5th May 1931.

S. BASU,
for *Director-General of Observatories.*

Division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
Burma ...	0·88	1·98	−1·10	− 56	+1·1	+1·8	− 2	+0·4
Assam ...	11·57	8·74	+2·83	+ 32	+0·9	+1·7	− 1	+0·8
Bengal ...	2·40	3·46	−1·06	− 31	+1·4	+2·3	+ 1	+0·4
Bihar and Orissa ...	0·23	0·90	−0·67	− 74	+3·1	+1·7	− 6	+0·2
United Provinces ...	0·04	0·33	−0·29	− 88	+4·0	+1·7	−11	−0·2
Punjab ...	0·33	0·74	−0·41	− 55	+3·6	+2·8	− 8	+0·1
North-West Frontier Province.	0·23	1·29	−1·06	− 82	+4·9	+3·1	−11	+0·6
Sind ...	0	0·14	−0·14	−100	+3·3	+2·5	− 6	−0·3
Rajputana ...	0	0·20	−0·20	−100	+2·9	+2·3	−11	−0·5
Bombay ...	0·30	0·30	0	0	+1·9	+2·0	− 6	+0·1
Central India ...	0·01	0·16	−0·15	− 94	+3·1	+1·2	− 9	−0·5
Central Provinces ...	0·39	0·49	−0·10	− 20	+2·4	+2·6	− 7	−0·2
Hyderabad ...	0·15	0·70	−0·55	− 79	+1·8	+3·3	− 3	+0·4
Mysore ...	0·85	1·53	−0·68	− 44	+2·3	+2·0	+ 4	+0·6
Madras ...	2·17	1·45	+0·72	+ 50	−0·9	+1·5	0	+0·9
Mean of India ...	1·05	1·30	−0·25	− 19	+1·8	+2·1	− 5	+0·1

Sub-division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
1. Bay Islands ...	0·08	2·48	− 2·40	− 97	+1·0	+0·9	− 6	+0·8
2. Lower Burma ...	0·71	2·35	− 1·64	− 70	+0·3	+1·7	− 1	+1·0
3. Upper Burma ...	1·10	1·46	− 0·36	− 25	+2·0	+2·0	− 4	−0·4
4. Assam ...	11·57	8·74	+ 2·83	+ 32	+0·9	+1·7	− 1	+0·8
5. Bengal ...	2·40	3·46	− 1·06	− 31	+1·4	+2·3	+ 1	+0·4
6. Orissa ...	0·52	1·29	− 0·77	− 60	+2·4	+1·0	− 2	−0·2
7. Chota Nagpur ...	0·17	0·89	− 0·72	− 81	+2·9	+2·1	− 9	+0·3
8. Bihar ...	0·08	0·67	− 0·59	− 88	+3·6	+2·0	− 7	+0·5
9. United Provinces, East ...	0·04	0·25	− 0·21	− 84	+4·2	+2·1	− 9	−0·4
10. Do. do. West ...	0·04	0·39	− 0·35	− 90	+3·9	+1·3	−13	0
11. Punjab, East and North ...	0·29	0·80	− 0·51	− 64	+3·5	+1·9	−12	+0·2
12. Do. Southwest ...	0·40	0·64	− 0·24	− 37	+3·9	+4·2	− 2	−0·1
13. Kashmir ...	2·57	3·36	− 0·79	− 24	+3·5	+3·1	+ 4	−0·1
14. North-West Frontier Province ...	0·23	1·29	− 1·06	− 82	+4·9	+3·1	−11	+0·6
15. Baluchistan ...	0·46	0·79	− 0·33	− 42	+3·0	+3·0	0	+1·3
16. Sind ...	0	0·14	− 0·14	− 100	+3·3	+2·5	− 6	−0·3
17. Rajputana, West ...	0	0·19	− 0·19	− 100	+2·7	+2·7	−11	−0·2
18. Do. East ...	0	0·21	− 0·21	− 100	+3·1	+2·0	−11	−0·6
19. Gujarat ...	0·01	0·04	− 0·03	− 75	+2·6	+1·4	− 6	−0·3
20. Central India, West ...	0	0·13	− 0·13	− 100	+1·9	+1·7	−10	−0·5
21. Do. do. East ...	0·03	0·19	− 0·16	− 84	+4·5	+0·7	− 9	−0·5
22. Berar ...	0·09	0·19	− 0·10	− 53	+1·9	+4·1	−10	−0·3
23. Central Provinces, West ...	0·16	0·27	− 0·11	− 41	+2·7	+2·0	−10	−0·6
24. Do. do. East ...	0·87	0·96	− 0·09	− 9	+2·3	+2·7	− 2	+0·4
25. Konkan ...	0·05	0·35	− 0·30	− 86	+1·1	+2·5	0	+0·4
26. Bombay Deccan ...	0·85	0·62	+ 0·23	+ 37	+1·4	+2·4	− 9	+0·5
27. Hyderabad, North ...	0·02	0·42	− 0·40	− 95	+2·2	+4·2	− 6	+1·1
28. Do. South ...	0·24	0·90	− 0·66	− 73	+1·7	+2·8	0	+0·1
29. Mysore ...	0·85	1·53	− 0·68	− 44	+2·3	+2·0	+ 4	+0·6
30. Malabar ...	3·98	3·43	+ 0·55	+ 16	−0·1	+1·1	+ 1	+1·4
31. Madras, Southeast ...	3·21	1·37	+ 1·84	+ 134	−1·3	+1·8	− 1	+0·9
32. Do. Deccan ...	0·24	0·59	− 0·35	− 59	−0·8	+2·4	− 1	+0·9
33. Do. Coast North ...	0·21	0·70	− 0·49	− 70	−0·6	+0·9	0	+0·5

STATION.	PRESSURE.		WIND.		TEMPERATURE.									HUMIDITY.		CLOUD.	RAINFALL.				
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	MEAN 8 h.		MAXIMUM.			MINIMUM.			MEAN 8 h.	Departure from normal.	Mean amount at 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
					Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BAY ISLANDS																				
Port Blair	29·814	+·002	N 61 W	3·1	85·2	77·1	93·2	+1·9	95	77·6	+0·9	77	75	−6	4·8	0·08	−2·10	0	−3·9	0·06
LOWER BURMA																				
Victoria Point	29·716	+·007	N 50 E	4·8	82·0	78·8	89·0	0·0	92	78·2	−1·0	71	84	+2	5·6	3·42	−0·46	9	+2·4	1·45
Mergui	29·763	+·011	...	...	83·8	78·1	90·4	−1·7	95	77·2	−2·8	71	84	+2	4·9	2·01	−3·27	4	−2·1	1·01
Tavoy	29·861	+·013	N 21 E	2·0	83·2	76·9	90·7	−2·8	99	76·0	+1·5	63	74	−9	1·5	0·31	−2·29	2	−1·7	0·21
Amherst	29·803	...	S 65 W	2·7	85·4	78·3	90·4	...	98	81·2	...	75	72	...	6·5	0·32	...	2	...	0·29
Rangoon	29·841	+·013	S 72 W	1·2	82·3	77·2	95·1	0·5	105	76·9	+0·8	74	79	−1	3·8	6	−1·63	0	−1·7	0
Bassein	29·820	+·013	N 51 W	1·2	84·7	79·8	95·7	+0·5	102	58·5	+0·7	73	80	+2	3·6	0	−1·05	0	−1·4	0
Diamond Island	29·847	+·009	N 69 W	1·7	84·1	78·5	92·5	...	96	81·3	+2·5	80	77	+3	5·2	0	−0·87	0	−0·9	0
Gwa	29·847	...	N 3 W	9·1	83·6	78·2	88·6	...	91	77·5	...	72	81	...	2·2	0	...	0	...	0
Toungoo	29·634	+·023	...	...	84·1	76·5	101·2	+0·3	105	77·9	+1·9	72	70	−2	4·6	0·77	−1·38	2	−0·6	0·23
Kyaukpyu	29·832	+·012	N 65 E	1·8	84·2	78·4	89·5	+0·5	92	77·6	+2·2	76	84	+3	4·9	0·11	−1·38	1	−0·8	0·11
Akyab	29·811	+·011	N 7 E	0·7	82·6	77·5	93·6	−0·7	98	76·9	+1·6	72	85	−6	5·8	0·03	−2·01	0	−2·1	0·03
UPPER BURMA																				
Minbu	29·627	+·003	S 81 E	4·2	84·2	74·6	105·9	+1·4	109	78·7	+1·7	57	36	−4	1·5	0·23	−0·54	1	−0·2	0·23
Yamethin	29·754	+·001	S 7 E	0·1	82·2	71·3	101·8	−0·3	107	77·6	−1·5	69	69	−2	2·0	1·85	+0·39	2	−0·4	1·67
Mandalay	29·743	+·005	S 2 E	4·0	85·5	73·8	103·5	+1·1	110	83·1	+2·8	70	59	+1	1·9	0·21	−0·98	1	−1·2	0·14
Monywa	29·732	+·008	N 82 E	2·8	85·0	71·1	103·6	+2·7	111	76·7	+1·8	63	53	−1	1·6	1·24	+0·44	1	−0·8	1·16
Lashio	27·057	+·017	N 11 W	3·6	75·5	63·4	91·6	+2·0	93	63·4	+2·0	62	61	−8	3·3	1·83	−0·26	3	−1·7	0·73
Bhamo	29·425	+·001	N 35 E	3·6	77·0	68·1	94·8	+2·1	102	68·9	+2·1	62	67	−13	3·8	0·06	−0·93	1	−3·8	0·82
Myitkyina	29·534	+·004	N 5 E	3·4	77·9	67·7	94·9	+3·0	104	68·6	+2·0	64	65	−7	5·3	1·36	−0·60	4	−1·5	0·55
ASSAM																				
Dibrugarh	29·471	0	N 47 E	2·7	76·1	68·3	86·8	1·2	87	66·6	1·2	63	87	−2	6·9	15·26	+8·15	15	+0·7	6·40
Sibsagar	29·574	−0·0	N 37 E	7·0	72·7	69·3	82·7	+1·5	86	67·5	+1·0	61	83	−7	7·8	17·49	+7·28	16	+1·6	2·08
Tezpur	29·573	−002	N 76 E	5·1	72·9	69·6	84·7	+1·3	88	69·1	+2·0	63	83	−1	7·0	9·14	+2·95	13	+1·1	1·94
Gauhati	29·624	−006	N 7 E	1·9	73·9	70·6	88·9	0·1	94	68·3	+2·7	63	83	+1	9·1	6·45	−0·15	11	−0·8	1·05
Dhubri	29·653	+·003	N 87 E	8·5	74·8	71·1	86·4	−1·1	96	71·3	−1·5	65	81	+4	6·7	7·05	+2·84	11	+2·9	2·02
Silchar	29·774	+0·7	S 86 E	2·1	77·8	73·2	90·1	+2·4	98	70·9	+2·1	63	80	−4	4·6	10·08	+4·25	12	−2·5	1·58
BENGAL																				
Cox's Bazar	29·703	−002	S 31 E	5·6	82·2	77·6	89·7	−1·7	92	77·7	+3·0	68	79	−1	5·3	1·03	−1·30	3	−2·1	0·51
Chittagong	29·718	−·018	S 21 E	10·2	81·2	76·0	90·4	−1·8	97	76·0	−3·0	68	78	−1	2·7	1·58	−3·80	2	−3·7	0·82
Narayanganj	29·750	−·010	S 80 E	6·2	81·2	76·6	90·1	−1·1	100	75·7	−1·7	67	77	−5	4·9	4·75	−0·75	8	+1·2	1·23
Barisal	29·777	−·015	S 6 E	2·5	82·0	77·7	92·6	−1·1	96	77·1	−2·5	67	79	−3	5·1	4·97	+0·19	4	−1·8	2·03
Jessore	29·741	−·017	S 2 W	7·6	82·2	78·1	95·4	−0·3	101	76·3	−1·7	67	93	+12	4·3	1·57	−2·33	3	−2·0	0·70
Calcutta	29·740	−·011	S 22 W	5·5	83·1	78·5	97·2	−1·7	103	78·6	+2·9	68	81	+2	4·2	1·08	−0·81	1	−2·2	0·97
Sangor Island	29·755	−·017	S 27 W	13·8	81·1	79·7	88·3	+2·1	91	80·4	−1·4	71	81	0	5·7	1·27	+0·13	3	+0·9	0·71
Burdwan	29·637	−·026	S 13 E	2·7	81·4	76·5	102·8	+3·2	108	76·7	+1·6	70	81	+7	5·0	1·22	−0·89	1	−2·5	1·20
Berhampore	29·691	−·007	S 7 W	4·8	84·7	78·3	103·1	+4·1	110	77·1	+3·0	70	68	−5	4·0	0·05	−1·32	0	−2·7	0·05
Mymensingh	29·762	−·023	S 62 E	3·4	77·8	73·8	92·1	+0·1	97	72·9	−1·3	64	82	+1	6·7	8·97	+3·22	12	+1·8	1·98
Bogra	29·743	−·002	S 62 E	4·0	81·2	74·6	98·9	+2·3	107	74·1	+2·7	66	76	−1	6·3	0·32	−1·95	1	−2·7	0·20
Dinajpur	29·743	−·003	N 8 E	4·2	79·3	74·6	95·8	+1·9	101	71·7	+2·0	62	72	0	5·9	0·56	−1·58	1	−2·1	0·50
Jalpaiguri	29·515	−·002	N 54 E	2·7	76·6	73·1	90·2	+1·1	95	70·4	+2·1	62	88	+11	5·3	4·10	+0·37	6	+0·1	1·45
ORISSA																				
Balasore	29·701	−·005	S 26 W	7·6	83·5	78·3	98·5	+1·8	103	77·3	+1·6	72	79	+4	4·3	1·56	−0·59	4	+0·1	0·78
Chandbali	29·765	...	S 45 W	9·2	81·4	78·1	100·3	...	105	77·3	...	71	75	...	3·0	0·40	...	1	...	0·34
Cuttack	29·625	−·001	S 47 W	4·4	84·5	78·0	103·8	+2·5	111	78·7	+1·6	73	71	−1	3·0	0	−1·15	0	−1·9	0
Sambalpur	29·273	−·010	S 18 W	2·5	87·6	71·1	106·2	+3·0	112	75·6	+0·4	70	41	−10	1·2	0	−0·65	0	−1·6	0
CHOTA NAGPUR																				
Chaibasa	29·015	−·007	S 38 W	3·2	85·6	73·9	105·4	+3·3	111	76·8	+2·7	71	53	−5	2·5	0·13	−1·11	1	−1·5	0·13
Ranchi	27·636	+·035	Calm	4·0	85·0	63·8	98·3	+2·4	105	73·3	+1·6	67	28	−14	2·0	0·03	−0·85	0	−2·4	0·09
Hazaribagh (*a*)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·20	−0·20	1	−0·5	0·20

(*a*) Reports only rainfall. (*c*) Mean of 28 days. (*w*) Mean of 11 days.

TABLE III, APRIL 1931

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BIHAR																				
Purnea ...	29·629	−·012	N 82 E	3·1	78·8	71·3	97·1	+0·9	104	71·7	+3·1	65	67	−1	2·9	0·42	−0·80	1	−0·9	0·42
Darbhanga ...	29·568	−·019	E	3·9	82·0	71·0	100·0	+1·2	105	71·9	+1·2	63	56	−8	2·1	6	−0·72	0	−1·5	0
Patna ...	29·547	−·016	N 83 E	3·8	84·5	69·2	103·1	+4·4	107	76·0	+2·7	89	42	−9	1·2	0	0·30	0	−0·6	0
Gaya ...	29·366	−·005	S 25 W	2·8	88·3	67·7	106·6	+4·3	112	77·2	+2·1	71	30	−19	0·7	0	−0·22	0	−0·6	0
Naya Dumka ...	29·254	−·009	S S E	3·0	84·3	72·9	103·5	+4·0	110	77·5	+1·8	69	55	+2	3·0	0	−0·96	0	−2·0	0
UNITED PROVINCES, EAST																				
Gorakhpur ...	29·461	−·020	S 87 E	2·8	83·3	68·9	...	...	...	72·7	+1·2	65	45	−7	1·1	0·15	−0·25	1	+0·2	0·15
Benares (c) ...	29·469	−·028	S 37 W	1·4	86·6	67·0	105·3	+3·2	111	73·1	+1·7	65	32	−14	1·9	0	−0·17	0	−0·4	0
Allahabad ...	29·423	−·013	S 77 W	4·2	87·2	64·4	109·7	+3·8	113	74·2	+2·2	64	22	−14	1·8	0	−0·15	0	−0·4	0
Cawnpore ...	29·310	−·016	N 83 W	3·1	86·4	65·2	106·1	+6·0	113	75·0	+3·5	65	27	−13	0·3	0	−0·21	0	−0·5	0
Lucknow ...	29·358	−·015	N 66 W	3·0	85·3	66·4	105·9	+3·6	112	73·2	+2·5	64	32	−6	1·3	0·10	−0·16	1	+0·4	0·10
Bahraich ...	29·396	−·018	S 87 E	3·7	82·3	68·5	103·8	+5·3	110	70·8	+1·6	64	16	−3	0·6	0	−0·32	0	−0·7	0
UNITED PROVINCES, WEST																				
Jhansi ...	28·935	−·014	S 85 W	3·3	89·3	62·6	105·6	+2·6	113	76·0	−0·1	67	16	−18	1·2	0	−0·15	0	−0·6	0
Agra ...	29·189	−·011	N 84 W	3·9	85·2	61·7	103·6	+1·9	111	69·8	+2·0	61	20	−4	1·2	0·02	−0·22	0	−0·7	0·02
Mainpuri ...	29·269	−·019	N 70 W	2·7	87·1	65·1	105·7	+4·6	113	69·3	−0·3	61	25	−15	1·2	0	−0·35	0	−0·7	0
Bareilly ...	29·161	−·002	N 69 W	3·0	82·2	63·3	102·6	+5·5	111	72·2	+3·4	65	29	−20	1·7	0·12	−0·49	1	+0·3	0·12
Meerut (c) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·11	−0·32	1	+0·2	0·11
Roorkee ...	28·833	−·004	N 44 W	3·3	79·6	61·0	100·2	+4·2	108	67·1	+1·8	55	29	−14	2·5	0	−0·50	0	−1·2	0
Dehra Dun ...	27·529	+·006	W	2·9	71·3	58·0	91·1	+4·3	102	64·1	+0·7	57	41	−5	3·5	0	−0·74	0	−1·7	0
PUNJAB, EAST AND NORTH																				
Delhi ...	29·045	−·005	N 78 W	3·5	83·9	63·2	102·3	...	111	68·6	...	60	26	...	1·3	0·25	−0·14	2	+1·2	0·15
Hissar ...	29·025	+·001	S 58 W	3·7	81·3	68·4	100·6	+1·7	110	68·3	+0·8	60	48	+6	1·3	0	0·30	0	−0·8	0
Ambala ...	28·828	−·016	N 32 W	3·8	79·5	60·7	100·7	+5·2	110	68·9	+3·2	59	25	−20	2·9	0·04	−0·54	0	−1·7	0·04
Ludhiana ...	28·925	−·003	N	2·5	80·4	62·3	99·1	+3·6	109	66·2	−0·6	56	31	−15	2·5	0·02	−0·83	0	−1·5	0·02
Lahore ...	29·044	+·001	N 43 W	2·2	80·2	64·1	98·3	+2·6	109	66·8	+2·2	58	37	−14	3·3	0·26	−0·28	1	−0·6	0·26
Sialkot ...	28·923	+·006	N 3 W	2·8	77·5	63·6	96·1	−3·2	108	67·1 (c)	+2·1	57	43	−10	3·2	0	−0·94	0	−2·1	0
Rawalpindi ...	28·102	−·003	N 29 E	3·8	76·4	60·4	94·9	+4·7	102	62·6	+3·5	52	36	−20	3·2	1·43	−0·51	4	+0·1	0·93
PUNJAB, SOUTHWEST																				
Khushab ...	29·142	−·011	N 48 E	5·6	82·5	69·9	96·9 (c)	+4·3	106	72·0 (c)	+5·3	60	51	+8	1·7	0·55	−0·30	3	+0·6	0·22
Lyallpur ...	29·157	−·002	N 19 W	3·2	78·6	63·0	96·2	+4·6	107	67·9	+5·2	55	38	−15	3·5	1·01	+0·13	1	+1·1	1·01
Montgomery ...	29·185	−·006	N 47 E	3·3	79·5	66·9	98·3	+2·1	109	68·9	+2·1	60	45	+7	1·4	0	−0·26	0	−1·0	0
Multan ...	29·324	−·008	N 10 W	2·9	83·2	67·1	101·7	+1·1	112	72·7	+1·1	60	40	−8	3·2	0·03	−0·24	0	−0·9	0·03
Bahawalpur ...	29·379	...	N 38 E	3·1	82·5	67·5	100·9	...	111	68·8	...	60	42	...	2·6	0	...	0	...	0
Khanpur ...	29·472	...	N S W	4·0	82·6	66·6	102·8	...	111	67·7	...	57	49	...	1·6	0	...	0	...	0
KASHMIR																				
Srinagar ...	24·917	+·049	N 38 W	2·9	53·4	50·2	70·8	+4·2	81	44·6	+2·2	29	81	−7	5·9	2·39	−1·40	6	−2·1	0·92
Sonamarg (d) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·41	−5·68	14	+0·8	1·87
Dras ...	20·865	+·084	W	1·7	32·2	...	46·6	+4·3	59	27·0	+7·3	14	...	...	4·7	3·18	−0·78	10	+1·5	0·86
Leh ...	19·750	+·073	S 17 W	3·4	42·9	34·8 (c)	57·6	+2·0	65	32·3	+2·1	24	48	−1	4·9	0·06	−0·17	0	−0·8	0·04
Skardu ...	22·967	+·118	S 45 E	1·3	51·0	46·7	65·0	+2·9	74	44·9	+2·6	46	72	+15	5·2	2·44	+1·31	5	+2·2	0·72
Gilgit ...	25·125	+·010	Calm	0·1	59·7	52·5	76·5	+4·1	82	51·0	+1·3	46	62	+10	5·5	0·95	−0·03	3	+0·3	0·41
NORTH-WEST FRONTIER PROVINCE																				
Peshawar ...	28·653	+·003	S 45 W	3·1	77·1	62·9	90·9	+6·0	100	63·9	+3·5	53	43	−8	5·5	0·31	−1·54	1	−3·0	0·13
Dera Ismail Khan ...	29·196	−·001	N 1 E	3·4	81·6	66·7	96·6	+3·8	107	68·0	+2·8	58	42	−15	3·0	0·14	−0·60	0	−1·7	0·08
Miranshah ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
BALUCHISTAN																				
Fort Sandeman ...	25·378	+·038	N 75 E	1·9	61·4	50·9	82·0	+2·1	91	55·9	+2·5	46	46	−9	2·2	0·86	−0·53	3	−1·3	0·45
Harnai (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·31	−1·24	1	−1·8	0·26
Quetta ...	24·676	+·033	S 77 E	4·0	55·9	48·3	77·0	+3·6	85	48·7	+0·9	41	68	+2	4·6	1·03	0	4	+1·1	0·30
Chaman ...	25·647	+·005	S 27 E	3·8	65·9	53·1	81·2	+4·4	90	59·3	+5·2	51	40	−11	4·0	0·14	−0·54	0	−1·9	0·08
Kalat ...	23·739	+·027	S 2 W	5·8	51·9	47·0	74·6	+1·9	85	43·0	+4·6	36	70	+14	4·3	0·39	−0·16	2	+0·4	0·15
Dalbandin (e) ...	27·052	+·006	N 45 E	3·3	66·4	56·3	91·1	+3·0	98	59·3	+1·9	51	51	+6	3·2	0·02	−0·28	0	−0·7	0·02
Mirjawa ...	27·077	...	S 77 W	9·0	67·7	57·6	92·1	...	101	63·6	...	56	52	...	2·9	0·38	...	2	...	0·19

(a) Reports only rainfall. (c) Mean of 29 days. (e) Mean of 27 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIND																				
Jacobabad	29·568	+·002	S 87 E	4·2	85·9	66·0	104·4	+4·4	111	72·3	+2·1	65	30	−13	1·5	0	−0·20	0	−0·5	0
Hyderabad	29·685	−·008	S 56 W	2·7	86·1	69·2	105·5	+3·9	112	74·3	+2·3	69	39	−11	1·1	0	−0·05	0	−0·1	0
Karachi	29·800	+·003	S 87 W	9·4	80·1	76·8	86·6	+1·8	93	76·5	+2·7	72	85	+7	2·4	0	−0·17	0	−0·2	0
RAJPUTANA, WEST																				
Bikaner	29·001	+·024	S 58 E	5·5	82·5	62·0	100·9	+1·0	107	75·9	+1·9	67	25	−14	1·3	0	−0·22	0	−0·6	0
Jodhpur	29·503	+·009	S 39 W	3·6	85·6	62·4	104·7	+1·5	110	76·0	+3·5	67	21	−9	2·1	0	−0·15	0	−0·5	0
RAJPUTANA, EAST																				
Jaipur	28·377	+·023	N 26 W	3·3	83·1	63·9	103·4	+2·6	109	72·6	+2·3	65	22	−10	0·9	0	−0·17	0	−0·5	0
Ajmer	28·203	+·014	S 68 W	7·2	85·2	62·0	99·3	+1·4	105	73·7	+1·9	62	22	−16	1·4	0	−0·17	0	−0·4	0
Kotah	28·944	+·005	N 69 W	3·3	91·9	65·5	106·0	+1·2	112	78·3	+1·8	69	18	−7	1·3	0	−0·33	0	−0·7	0
Jhalrapatan	28·737	...	N 75 W	2·5	86·0	66·6	104·1	...	110	72·5	...	66	30	...	1·1	0	...	0	...	0
Udaipur (a)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−0·16	0	−0·3	0
GUJARAT																				
Deesa	29·341	+·001	N 76 W	6·5	86·5	66·7	108·4	+4·8	113	70·6	−0·7	65	31	−12	1·0	0	−0·03	0	−0·1	0
Bhuj	29·464	−·003	S 88 W	6·0	83·4	70·1	102·7	+2·8	108	73·4	+2·1	63	48	−12	0·3	0	−0·07	0	−0·1	0
Dwarka	29·806	−·006	N 79 W	8·9	80·5	76·9	86·2	+1·1	90	78·0	+1·8	74	85	+5	1·9	0	−0·05	0	−0·1	0
Rajkot (a)	29·322	+·001	N 71 W	8·1	82·0	71·7	105·0	+3·3	110	71·3	+2·0	67	55	−5	1·4	0	−0·03	0	−0·1	0
Veraval	29·831	+·014	N 38 W	7·4	80·8	73·8	88·7	+2·8	101	72·5	+0·3	67	70	−4	1·5	0	0	0	0	0
Surat	29·801	+·001	S 26 W	3·7	83·6	76·5	101·7	+3·2	110	75·3	+3·1	70	67	+4	2·0	0	−0·04	0	0	0
Bhavnagar	29·778	+·002	N 37 W	5·5	86·6	71·1	104·7	+3·9	109	74·9	+1·0	69	44	−12	2·1	0·05	−0·05	0	−0·2	0·05
Ahmadabad	29·660	+·001	N 33 W	3·6	85·0	68·6	105·1	+0·8	109	76·0	+1·6	72	49	−9	1·4	0·03	0	0	−0·1	0·03
CENTRAL INDIA, WEST																				
Neemuch	28·197	+·014	N 42 W	5·8	87·9	(c) 68·8	101·5	+2·0	107	(c) 72·7	+1·7	54	35	0	1·2	0	−0·12	0	−0·3	0
Indore	28·002	+·009	N 41 W	4·0	86·0	61·5	101·6	+1·7	107	71·6	+1·8	63	19	−20	0·9	0	−0·14	0	0·3	0
Bhopal	28·181	...	N 57 W	4·0	88·4	63·3	103·4	...	108	75·7	...	69	20	...	0·7	0	...	0	...	0
CENTRAL INDIA, EAST																				
Nowgong	(b) 29·036	(b) −·001	S 35 W	2·9	86·9	(d) 67·9	106·4	+4·6	113	70·6	−0·3	63	(d) 33	−3	1·6	0	−0·19	0	−0·3	0
Sutna	(c) 28·720	+·007	S 67 W	3·9	87·0	61·9	104·8	+4·3	112	(f) 73·3	+1·7	64	17	−14	1·7	0·06	−0·14	0	−0·4	0·06
BERAR																				
Akola	28·872	+·006	N 67 W	3·0	89·9	65·5	107·5	+1·9	113	78·1	+3·4	69	21	−8	0·7	0	−0·16	0	−0·5	0
Amraoti	28·579	+·004	S 61 W	5·3	86·6	64·2	106·5	+1·5	112	80·9	+4·7	67	20	−12	2·6	0·17	−0·05	1	+0·3	0·15
CENTRAL PROVINCES, WEST																				
Khandwa	28·761	+·009	N 89 W	5·9	89·4	64·9	107·3	+3·0	112	76·6	+1·5	68	21	−8	0·2	0	−0·10	0	−0·3	0
Hoshangabad	28·796	+·012	S 33 W	2·7	87·3	63·8	106·1	+2·3	111	73·5	+2·2	60	22	−13	1·3	0	−0·13	0	−0·3	0
Saugor	27·988	+·008	N 36 W	4·4	88·5	66·2	103·0	+2·8	109	76·8	+3·6	71	12	−15	0·8	0	−0·15	0	−0·4	0
Jubbulpore	28·451	+·017	S 37 W	3·0	85·2	64·3	104·1	+3·3	110	71·8	+1·6	65	28	−7	1·1	0	−0·25	0	−0·7	0
Seoni	27·779	+·005	N 77 W	3·2	87·8	64·1	101·9	+1·9	108	72·7	+2·1	66	23	−11	1·3	0·58	+0·12	1	−0·3	0·46
Nagpur	28·771	+·009	N 53 W	3·8	85·5	66·1	107·4	+2·8	112	76·8	+1·1	69	27	−7	2·4	0·39	−0·17	2	+0·7	0·22
CENTRAL PROVINCES, EAST																				
Pendra	27·758	−·003	N 57 W	4·1	87·4	65·6	98·3	+1·7	106	74·6	+3·2	63	27	−4	5·0	0	−0·85	0	−1·9	0
Raipur	28·730	−·005	N 87 W	3·0	88·8	71·8	106·4	+3·4	111	79·0	+2·7	69	42	+4	1·7	0·23	−0·41	2	+0·5	0·12
Kanker	28·486	...	S 49 W	4·2	88·1	71·5	103·0	...	108	76·5	...	66	42	...	2·8	0·49	...	1	...	0·30
Chanda	29·129	−·011	S 13 E	3·7	90·1	71·0	109·2	+3·8	115	80·9	+4·0	72	36	−5	1·6	0·20	−0·46	1	−0·6	0·11
Jagdalpur	28·016	+·004	S 36 W	3·6	81·9	69·8	99·7	+1·0	104	72·7	+0·7	67	53	−4	1·2	3·06	+1·38	4	+0·6	1·29
KONKAN																				
Bombay	29·808	−·002	S 58 E	6·6	83·3	77·1	91·1	+2·6	94	78·0	+2·3	73	75	0	1·7	0·01	−0·04	0	−0·1	0·01
Ratnagiri	29·632	0	S 63 E	6·1	84·0	76·8	89·2	−0·2	94	79·5	+2·6	76	71	+1	0·8	0·04	−0·04	0	−0·3	0·04
Marmagao	29·657	+·022	S 67 E	6·2	85·2	78·6	89·8	+0·5	93	81·6	+2·8	78	74	−1	7·3	0·16	−0·59	1	+0·1	0·12
Karwar	29·807	+·009	N 63 W	3·3	83·7	78·4	90·7	+1·3	93	79·5	+2·2	76	77	−1	4·5	0	−0·52	0	−0·9	0
BOMBAY DECCAN																				
Malegaon	28·398	+·010	N 53 W	4·1	85·7	66·3	104·7	+1·3	109	73·0	+1·8	65	24	−15	2·2	0·09	−0·02	0	0·3	0·09
Ahmadnagar	27·708	+·014	N 20 W	4·4	86·3	63·9	101·6	+1·9	107	73·5	+4·0	64	25	−16	2·2	0·04	−0·27	0	−1·0	0·04
Poona	28·023	+·015	N 66 W	3·0	84·7	67·0	102·6	+1·5	108	71·5	+2·6	63	37	−10	2·1	0·01	−0·56	0	−1·3	0·01
Sholapur	28·258	+·014	N 45 W	2·0	86·5	67·9	103·7	+1·0	108	77·8	+2·5	69	36	−6	1·2	1·90	+1·46	4	+3·0	0·70
Bijapur	27·997	+·018	N 43 W	3·8	84·9	66·4	101·7	+0·9	108	76·8	+2·3	71	40	−10	2·9	0·98	+0·28	3	+1·1	0·70
Belgaum	27·322	+·022	S 85 W	3·0	76·5	67·4	97·6	+1·6	103	68·2	+1·1	64	61	+3	2·6	2·06	+0·46	5	+1·7	0·74
HYDERABAD, NORTH																				
Aurangabad	27·953	+·013	S 78 W	7·8	87·5	64·2	103·1	+1·5	108	77·4	+4·3	66	22	−7	3·0	0·05	−0·19	0	−0·6	0·04
Parbhani (a)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−0·23	0	−0·9	0
Nizamabad	28·568	+·015	S 55 W	2·3	88·2	70·8	106·7	+2·9	111	80·3	+4·1	69	40	−5	3·0	0	−0·80	0	−1·8	0

(a) Reports only rainfall. (c) Mean of 29 days. (d) Mean of 28 days. (f) Mean of 26 days. (p) Mean of 16 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·525	+·020	S 23 W	6·6	87·9	70·1	103·6	−0·1	110	80·5	+4·2	74	38	−9	1·9	0·01	−0·02	4	+1·0	0·21
Raichur ...	28·526	+·020	S 30 W	6·6	87·9	77·6	104·7 (k)	+2·0	110	82·3	+3·3	77	61	+19	0·5	0	−0·70	0	−1·3	0
Hyderabad ...	28·423	+·027	S 23 W	3·8	86·5	71·8	102·9	+1·7	106	77·1	+0·9	71	48	−5	3·5	0	−1·05	3	−1·3	0
Hanamkonda ...	28·939	+·015	S 53 E	7·5	84·7	75·4	103·4	+3·0	110	79·3	−2·7	74	62	+5	3·1	0·07	−0·86	0	−1·7	0·07
MYSORE																				
Chitaldrug ...	27·473	+·023	S 71 W	4·0	80·4	72·3	92·3	+2·5	102	74·6	−2·1	71	67	+6	3·6	0·05	−0·86	0	−1·3	0·05
Bangalore ...	26·804	+·019	S 50 W	3·6	78·4	71·6	95·6	+2·1	101	71·6	+2·2	67	76	0	4·3	0·10	−1·23	0	−2·3	0·06
Mysore ...	27·377	+·040	S 77 W	4·5	77·0	71·9	97·1	+2·4	101	71·9	+1·7	67	78	+5	3·3	2·38	+0·01	6	+1·7	0·95
MALABAR																				
Mangalore ...	29·777	+·036	N 88 E	1·6	84·2	78·4	91·7	−0·1	95	80·0	−1·7	73	72	+2	5·1	2·42	+1·14	2	0	1·35
Calicut ...	29·821	+·011	N 11 E	5·8	85·4	79·1	92·3	−2·1	95	79·8	+1·5	76	74	−3	6·6	0·67	−2·61	3	−1·1	0·24
Cochin ...	29·847 (c)	+·015	N 68 E	4·4	85·0	79·6	89·4	−2·5	92	78·7	+0·1	74	77	+1	6·4	8·24	+3·03	13	+3·7	2·60
Trivandrum ...	29·635	+·001	N 12 W	5·0	82·4	75·4	88·3	0	92	73·5	+1·3	70	83	+4	4·5	4·58	+0·11	11	+1·2	0·80
MADRAS, SOUTHEAST																				
Palamcottah (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·19	−2·39	0	−2·0	0·05
Pamban ...	29·800	+·022	S 19 E	5·9	86·7	80·1	93·8	+0·4	91	82·0	+2·6	79	78	+1	4·4	0·52	−1·10	1	−2·1	0·38
Madura ...	29·373	+·008	N 51 E	3·6	85·5	77·4	93·2	+0·1	103	73·8	+2·8	74	68	−8	5·9	2·20	+0·17	3	+0·1	1·80
Negapatam ...	29·819	+·026	S 26 W	7·2	85·0	79·2	91·3	−2·4	96	80·7	+1·2	72	76	+1	6·2	10·08	+3·51	3	+2·1	5·07
Trichinopoly ...	29·588	+·011	S 22 W	3·2	86·0	78·1	98·7	−2·4	104	70·7	+1·0	73	68	0	3·4	1·80	+3·25	3	+1·2	3·71
Coimbatore ...	28·504	+·011	S 55 E	2·7	81·7	74·8	95·8	−1·5	99	70·0	+1·5	72	71	−8	4·8	1·81	+0·40	4	+1·3	0·69
Salem ...	28·919	+·034	N 74 E	4·2	81·4	77·3	99·3	−1·5	104	78·6	−2·2	74	74	−1	2·5	1·81	+0·39	4	+0·6	0·74
Cuddalore ...	29·812	+·023	S 12 W	5·6	85·1	80·0	90·5	−2·4	96	78·9	−1·1	74	79	+1	5·2	7·81	+7·24	5	+1·0	4·39
Vellore ...	29·123	0	S 14 E	4·4	82·5	75·9	97·9	−1·3	103	77·3	+1·1	74	73	0	3·3	1·22	+0·27	2	+0·7	0·88
Madras ...	29·834	+·004	S 5 W	6·7	84·9	78·7	92·7	−0·1	98	78·6	+1·1	74	76	+1	5·1	1·51	+0·08	2	+1·3	1·20
MADRAS, DECCAN																				
Cuddapah ...	29·397	+·024	S 22 W	7·0	87·3	80·4	101·5	−0·9	109	82·2	+1·4	75	65	+10	2·7	0·02	−0·53	0	−0·9	0·02
Bellary ...	28·359	+·021	S 80 W	3·8	86·2	72·4	102·1	−1·5	106	73·6	+2·9	73	50	0	3·1	0·65	−0·11	2	+0·2	0·52
Kurnool ...	28·894	+·018	S 28 W	6·5	85·3	72·6	101·0	0	108	82·3	+3·5	77	42	−12	4·0	0·05	−0·50	0	−1·6	0·05
MADRAS COAST, NORTH																				
Nellore ...	29·736	+·036	S 16 E	5·6	85·5	78·7	98·7	−1·1	104	75·4	+2·1	76	72	−3	3·2	0	−0·30	0	−0·4	0
Masulipatam ...	29·826	+·012	S 22 W	5·2	85·0	79·9	95·4	−1·2	97	79·5	+1·9	75	75	−4	4·4	0	−0·52	0	−0·9	0
Coconada ...	29·839	+·016	S 58 W	5·2	85·9	78·9	97·8	−1·7	105	77·6	+1·1	75	72	−4	6·3	0·05	−0·58	0	−0·9	0·01
Vizagapatam ...	29·701	+·012	S 74 W	6·2	84·5	78·2	89·6	−0·1	94	80·2	+1·9	77	77	+4	4·1	1·22	+0·51	2	+0·1	1·08
Calingapatam ...	29·797	+·031	S 36 W	9·7	85·4	79·7	92·9	−1·1	99	78·4	+0·5	75	78	−1	3·1	0·02	−1·11	0	−1·9	0·02
Gopalpur ...	29·731	+·031	S 31 W	12·6	73·6	76·6	85·9	−2·0	89	75·3	+1·8	72	87	+5	2·9	0	−0·79	0	−1·6	0
HILL STATIONS, EXCLUDING KASHMIR AND BALUCHISTAN																				
Maymyo ...	26·965	+·027	S 67 W	1·9	75·3	67·5	86·1	−2·3	91	62·3	+3·2	55	65	−5	1·3	1·68	+0·30	3	−0·2	2·35
Shillong ...	26·086	+·021	S 42 W	5·5	67·3	58·5	75·5	−2·2	79	58·5	+2·6	51	62	0	5·5	3·36	−2·02	7	−5·1	0·85
Cherrapunji ...	25·654	+·016	S 36 W	7·5	66·3	62·3	72·5	+2·3	80	59·3	+3·7	56	82	−2	7·3	57·97	+29·78	19	+11·4	11·64
Darjiling ...	22·918	+·015	S	5·3	55·8	52·9	62·6	+0·1	68	50·8	+2·4	41	68	19	4·8	7·54	+3·99	6	+1·4	4·98
Mukteswar ...	22·814	+·007	N 78 W	6·6	62·4	49·9	71·6	+5·2	74	55·2	+5·9	41	23	−12	2·2	0·07	−1·63	0	−3·7	0·07
Mussooree ...	...	...	N 21 E	4·5	62·2	48·4	73·2	...	81	57·1	...	48	34	...	3·1	0·41	−2·53	1	−3·4	0·40
Simla ...	23·360	+·029	N 25 W	2·8	62·8	48·7	69·1	+3·1	77	55·3	+5·0	41	35	−1	3·0	0·37	−1·37	4	+0·1	0·17
Dharamapore (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·27	...	1	...	0·27
Dalhousie (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·59	...	2	...	0·35
Murree ...	...	...	S 37 E	6·2	61·6	45·0	70·2	+4·1	77	...	...	...	36	−15	1·7	1·68	−2·58	2	−5·1	1·00
Cherat ...	25·678	+·026	N 18 W	11·8	64·9	52·5	76·8	+4·7	88	54·5	+3·0	48	41	−9	4·4	0·55	−2·11	2	−3·1	0·31
Parachinar ...	24·447	+·057	N	3·1	60·8	50·7	72·3	+4·4	80	49·9	+3·5	42	48	−8	6·0	3·42	−0·91	7	−1·9	1·25
Drosh ...	...	...	N 45 E	2·1	54·0	46·2	71·1	+2·1	86	48·2	−0·7	36	64	0	4·8	7·51	+2·36	19	+1·9	3·40
Mount Abu ...	26·024	+·025	N 45 W	5·3	78·5	56·0	86·9	+2·6	91	70·9	+2·5	64	19	−11	1·8	0	−0·13	0	−0·3	0
Pachmarhi ...	26·422	+·029	N 8 W	2·8	83·8	60·8	95·1	+3·1	100	71·9	+2·6	62	23	−8	7·1	0	−0·32	0	−0·7	0
Mercara ...	26·189	+·023	N 66 W	4·3	71·1	67·6	84·4	+0·4	90	66·2	+2·7	62	83	+5	3·4	2·75	+0·12	8	+3·0	0·91
Kodaikanal ...	22·518	+·027	N 56 E	5·3	62·3	53·6	65·0	−1·2	72	52·9	+1·4	50	58	0	3·3	6·16	+1·91	12	+5·0	1·89
Coonoor ...	23·433	...	S 34 E	1·2	68·7	61·7	76·1	...	80	57·7	...	53	68	...	4·6	2·39	...	5	...	0·84
CEYLON																				
Colombo ...	29·826	+·010	S 70 E	3·1	76·6	75·4	88·8	−0·6	91	75·7	−0·3	73	95	+9	6·2	9·34	−0·09	14	+3·3	2·88

(a) Reports only rainfall (c) Mean of 29 days. (k) Mean of 21 days.

Y. P. P.—S 1240—150—15-5-31

MONTHLY WEATHER REPORT

FOR

May 1931

Supplement to the Indian Daily Weather Report for the 22nd June 1931

Published by order of the Governor-General in Council

Summary.—The month's rainfall was in moderate to large excess in northwest India excluding Rajputana and Gujarat. Thunderstorms were normally active in Assam, Bengal and south Hyderabad. In connection with a temporary advance of the monsoon in the Andaman Sea, a storm formed in the Bay in the beginning of the third week. Temperature was below normal in northwest India and its neighbourhood during most of the third week and again during the last four days of the month; the mean monthly temperature was above normal from the central parts of the country to Mysore.

The western disturbance at the end of the last month merged into the seasonal trough of low pressure over the Gangetic plain, after causing local rain in Kashmir on the 1st and 2nd, with a few falls in the North-West Frontier Province on the former date.

2. Three western disturbances entered northwest India during the month. The first gave only a few falls in Kashmir on the 4th and 5th and in the North-West Frontier Province on the latter date and merged into the seasonal low over northwest India. The second entered on the 10th and filled up over the Punjab on the 13th. It was responsible for widespread rain along the northwest frontier and in Kashmir on the 11th and along and near the western Himalayas on the 12th and 13th, nearly general rain continuing in the Punjab hills on the next two days; local rain also occurred in the North-West Frontier Province and Kashmir on the 10th, in Sind on the 11th, in west Rajputana on the 12th, 13th and 14th and in and near the Kumaon hills on the 12th. It is reported that during a severe rain and duststorm which passed over Delhi on the 13th afternoon, many houses were blown off and a woman killed; the winds attained a speed of 80 mph. The last western disturbance of the month caused a few falls of rain in the North-West Frontier Province on the 17th and 19th and nearly general rain in Kashmir, with a few falls in and near the Punjab hills on the latter date.

3. Weather was disturbed over the Punjab after the 5th and fairly widespread rain occurred in the North-West Frontier Province and Kashmir on the 6th and 7th and in the Punjab-Kumaon hills on the latter date; numerous duststorms also occurred in northeast Baluchistan, the Punjab and the United Provinces on the 7th. A low pressure area, which appeared over Baluchistan on the 23rd, moved to the Punjab by the next morning and merged into the seasonal low over northwest India after the 29th. It was responsible for widespread rain in Kashmir on the 24th, 25th and 26th and in northwest India on the 29th, with numerous duststorms in northeast Baluchistan, Rajputana and the United Provinces on the 26th and in northwest India on the 29th; local rain also occurred in the Punjab hills and the submontane districts of the United Provinces on the 26th, with a few falls in the North-West Frontier Province on the last six days of the month and along the western Himalayas on the 28th and 30th.

4. With the occurrence of a temporary advance of the monsoon in the Andaman Sea on the 13th, conditions became unsettled in the central Bay of Bengal and a depression formed by the 15th morning with central region near Lat. 16°N and Long. 88°E. The depression developed into a storm in the course of that day and moving northeastwards crossed the Arakan coast between Kyaukpyu and Diamond Island on the 16th evening and dissipated very rapidly thereafter. The monsoon was fairly strong in Lower Burma from the 15th to 19th and nearly general rain fell in Upper Burma from the 15th to 17th.

5. Fairly widespread thunderstorm rain occurred in Assam throughout the month and in Bengal during the last three weeks, a few falls also occurring in the latter division during the first week. Intermittent scattered thundershowers occurred in south Madras, Mysore and Burma during the first two weeks and on the last ten days of the month and in the Central Provinces during the last week. Scattered thunderstorm rain also fell in Bihar on the 12th, 23rd and 28th, in Orissa from the 20th to 27th, in south Hyderabad on the 1st and in the Deccan between the 21st and 26th. It is reported that during the passage of a severe thunderstorm one lighter vessel sank and another capsized with the loss of one life off Calicut on the 7th, a country boat capsized

[Price 4 annas.]

in the Ganges between Bhatpara and Sanderwestola in Chinsura district on the 9th afternoon and five persons lost their lives; a large number of loaded country boats sank in the river and three boatmen were drowned in Chandpur (river port in Tippera district, East Bengal) on the 18th evening. According to newspaper reports, severe hailstorms occurred in the Sukkur district (Sind) during the third week of the month, which resulted in considerable damage to crop and property; the hailstones are reported to have been as big as hen's eggs.

6. The month's rainfall was in large excess in Kashmir, the North-West Frontier Province, Baluchistan and Sind, in moderate excess in the southwest Punjab and in slight excess in Assam, Bengal, the east and north Punjab and south Hyderabad. It was in slight defect in Lower Burma, the west United Provinces, Mysore, Malabar and the Madras Deccan and in moderate to large defect elsewhere. Averaged over the plains of India, the total rainfall of the month was in defect by 16 per cent.

7. Both maximum and minimum temperatures were above normal in the central parts of the country between the 3rd and 10th and in the Bombay Deccan, Hyderabad and Mysore on the 5th and 6th. High day temperatures prevailed in the United Provinces, Bihar and Chota Nagpur for the first five days of the month and in the Konkan and the Deccan between the 20th and 23rd. An inflow of cold winds in the rear of the second western disturbance cooled the weather in northwest India and the adjacent parts, where temperature was below normal during most of the third week, the departure from the normal of the maximum temperature being as much as 20°F in the North-West Frontier Province and the Punjab on the 14th. Low temperatures also prevailed in northwest India and the adjacent districts on the last two days of the month in connection with the cold winds brought in the rear of the low pressure area which merged in the low over northwest India on the 30th. Both the mean monthly maximum and minimum temperatures were above normal in the east Central Provinces and north Hyderabad; the maximum alone was higher than usual in east Central India, south Hyderabad and Mysore and the minimum alone in Berar and the west Central Provinces. The mean maximum temperature was below normal in Kashmir and Baluchistan.

Summary of the Local Conditions

Burma, including the Bay Islands.—The month's rainfall was in slight defect in Lower Burma and in moderate defect generally elsewhere. Humidity was in defect in the Bay Islands. Other climatic elements were roughly normal.

Northeast India, including Orissa.—Rainfall during the month was in slight excess in Assam and Bengal. Elsewhere it was in moderate to large defect. Cloud proportion was higher than usual in Assam, Chota Nagpur and Bihar.

The United Provinces, Central India and the Central Provinces.—The rainfall of the month was in slight defect in the west United Provinces and in large defect in the rest of the division. Cloud amount was less than usual in the east United Provinces, Central India and the west Central Provinces. Humidity was in defect outside Central India. Mean maximum temperature was above normal in east Central India and the east Central Provinces, while the mean minimum was above normal in the whole of the Central Provinces.

Northwest India.—The total rainfall of the month was in very large excess in Kashmir, the North-West Frontier Province, Baluchistan and Sind, in moderate excess in the southwest Punjab and in slight excess in the east and north Punjab. Elsewhere it was in moderate to large defect. Skies were more clouded than usual in the Punjab, Kashmir, the North-West Frontier Province and Baluchistan. Humidity was in excess in the southwest Punjab and Kashmir, and in defect in the east and north Punjab, the North-West Frontier Province and Rajputana. The mean day temperature was below normal in Kashmir and Baluchistan.

The Peninsula.—The rainfall of the month, as a whole, was in slight excess in south Hyderabad, in slight defect in Mysore, Malabar and the Madras Deccan, in moderate defect in southeast Madras and the north Madras coast, and in large defect in the remaining sub-divisions. Cloud proportion was higher than usual in southeast Madras and lower in the Bombay Deccan and north Hyderabad. Humidity was in defect in the Konkan, the Bombay Deccan and Hyderabad. Both mean night and day temperatures were above normal in north Hyderabad, the day temperature alone being so in south Hyderabad and Mysore.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 33 sub-divisions. Table III contains the monthly means of the 8 hrs. observations published in the Indian Daily Weather Reports; the divisional means, Tables I and II, are based on these observations.

POONA:
The 9th June 1931.

C. W. B. NORMAND,
Director-General of Observatories.

Division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"	•	°	°	%	
Burma ...	8·65	11·10	−2·45	− 22	+0·9	+0·5	− 4	−0·2
Assam ...	13·39	12·09	+1·30	+ 12	−1·6	−0·7	+ 1	+1·6
Bengal ...	10·45	8·51	+1·94	+ 23	−1·2	−0·2	− 1	+0·8
Bihar and Orissa ...	1·38	2·88	−1·50	− 52	+0·9	+0·5	− 3	+0·7
United Provinces ...	0·41	0·81	−0·40	− 49	+1·8	+0·9	− 6	−0·4
Punjab ...	0·87	0·70	+0·17	+ 24	−1·0	−0·5	− 2	+0·5
North-West Frontier Province.	1·45	0·61	+0·84	+138	−1·1	−0·9	− 5	+1·5
Sind ...	0·44	0·14	+0·30	+214	−0·4	+0·7	− 3	0
Rajputana ...	0·34	0·68	−0·34	− 50	−0·1	+0·5	− 7	−0·2
Bombay ...	0·15	1·01	−0·86	− 85	+0·9	+0·9	− 5	−0·3
Central India ...	0·03	0·53	−0·50	− 94	+1·7	+1·3	− 2	−1·3
Central Provinces ...	0·35	0·83	−0·48	− 58	+2·0	+2·3	− 8	−0·3
Hyderabad ...	0·78	0·99	−0·21	− 21	+2·9	+1·5	− 5	−0·7
Mysore ...	3·52	4·20	−0·68	− 16	+3·7	+1·3	− 2	0
Madras ...	2·36	3·10	−0·74	− 24	+0·3	+1·5	− 1	+0·6
Mean of India ...	3·03	3·59	−0·56	− 16	+0·7	+0·7	− 4	+0·1

Sub-division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
1. Bay Islands ...	7·09	15·86	− 8·79	− 55	+0·4	+1·0	− 9	+0·1
2. Lower Burma ...	12·24	14·73	− 2·49	− 17	+1·5	+0·9	− 3	+0·2
3. Upper Burma ...	4·03	5·92	− 1·89	− 32	+0·2	0	− 4	−0·6
4. Assam ...	13·39	12·00	+ 1·39	+ 12	−1·6	−0·7	+ 1	+1·6
5. Bengal ...	10·45	8·51	+ 1·94	+ 23	−1·2	−0·2	− 1	+0·8
6. Orissa ...	1·74	3·40	− 1·66	− 49	+1·5	+0·6	− 3	+0·1
7. Chota Nagpur ...	1·63	2·65	− 1·02	− 38	+1·0	+0·1	− 3	+0·9
8. Bihar ...	1·02	2·69	− 1·67	− 62	+0·5	+0·7	− 3	+0·9
9. United Provinces, East ...	0·23	0·92	− 0·69	− 75	+1·7	+1·7	− 5	−0·9
10. Do. do. West ...	0·56	0·72	− 0·16	− 22	+1·8	0	− 6	+0·1
11. Punjab, East and North ...	1·00	0·84	+ 0·16	+ 19	−0·6	−0·4	− 7	+0·5
12. Do. Southwest ...	0·64	0·47	+ 0·17	+ 36	−1·6	−0·8	+ 5	+0·6
13. Kashmir ...	3·96	1·71	+ 2·25	+ 132	−1·2	+0·2	+10	+2·7
14. North-West Frontier Province ...	1·45	0·61	+ 0·84	+ 138	−1·1	−0·9	− 5	+1·5
15. Baluchistan ...	0·73	0·28	+ 0·45	+ 161	−3·0	−0·8	− 3	+0·8
16. Sind ...	0·44	0·14	+ 0·30	+ 214	−0·4	+0·7	− 3	0
17. Rajputana, West ...	0·38	0·59	− 0·21	− 36	−0·7	+0·5	− 5	−0·2
18. Do. East ...	0·32	0·73	− 0·41	− 56	+0·3	+0·5	− 8	−0·2
19. Gujarat ...	0·04	0·29	− 0·25	− 86	+0·2	+1·0	0	0
20. Central India, West ...	0·01	0·63	− 0·62	− 98	+0·3	+1·9	− 1	−0·8
21. Do. do. East ...	0·05	0·43	− 0·38	− 88	+3·2	+0·6	− 3	−1·9
22. Berar ...	0·03	0·57	− 0·54	− 95	+1·1	+2·7	− 5	−0·3
23. Central Provinces, West ...	0·26	0·61	− 0·35	− 57	+1·8	+2·1	− 9	−0·5
24. Do. do. East ...	0·94	1·29	− 0·65	− 70	+2·6	+2·3	− 6	+0·1
25. Konkan ...	0·09	2·01	− 1·92	− 96	+0·6	+1·1	− 7	−0·3
26. Bombay Deccan ...	0·35	1·29	− 0·94	− 73	+1·9	+0·6	−10	−0·9
27. Hyderabad, North ...	0·12	0·94	− 0·82	− 87	+2·1	+2·6	− 7	−0·9
28. Do. South ...	1·28	1·04	+ 0·24	+ 23	+3·3	+0·9	− 4	−0·6
29. Mysore ...	3·52	4·20	− 0·68	− 16	+3·7	+1·3	− 2	0
30. Malabar ...	7·01	8·71	− 1·70	− 20	+0·4	+1·9	+ 1	+0·8
31. Madras, Southeast ...	1·49	2·12	− 0·63	− 30	+0·9	+1·9	− 3	+0·9
32. Do. Deccan ...	1·18	1·53	− 0·35	− 23	+0·1	+0·9	0	+0·4
33. Do. Coast North ...	1·29	1·76	− 0·47	− 27	−0·8	+0·9	− 1	+0·2

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.	CLOUD.	RAINFALL.				
					MEAN S.H.		MAXIMUM.			MINIMUM.									
	At S.h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at S.h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean S.h.	Departure from normal.	Mean amount S.h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BAY ISLANDS																				
Port Blair ...	29·725	−·004	S 67 W	7·5	83·3	77·6	89·1	−0·4	95	75·4	+1·0	76	76	− 9	7·1	7·07	−8·79	17	+ 1·0	0·80
LOWER BURMA																				
Victoria Point ...	29·683	+·005	S 60 E	4·5	82·1	78·3	87·2	+0·5	93	76·7	+0·4	75	84	− 1	6·5	36·55	+19·47	21	+ 2·4	7·12
Mergui ...	29·749	+·002	...	...	81·8	78·8	89·2	+0·2	96	77·4	+3·0	74	87	− 1	6·8	9·73	−7·20	14	− 3·4	1·80
Tavoy ...	29·801	+·003	N 52 E	5·0	82·4	77·7	92·3	+3·4	99	76·7	+1·2	73	89	− 7	7·4	13·67	−9·01	12	− 6·3	3·38
Amherst ...	29·733	...	S 8 E	8·7	81·9	77·5	88·6	...	94	77·2	...	73	81	...	8·0	17·73	...	16	...	2·84
Rangoon ...	29·771	+·008	S 56 W	3·9	83·4	78·8	93·7	+2·0	101	77·6	+0·4	74	81	− 5	5·9	13·70	+1·72	14	+ 0·4	2·47
Bassein ...	29·758	+·013	S 66 W	3·6	84·9	81·1	95·0	+3·2	101	77·8	+0·5	73	84	0	6·1	5·33	−4·31	5	− 6·4	2·16
Diamond Island ...	29·731	+·001	S 52 W	6·8	85·3	79·7	99·3	+4·7	93	81·5	+2·3	72	78	0	6·3	5·08	−5·52	7	− 3·9	1·54
Gwa ...	29·768	...	N 38 E	7·7	84·7	79·6	91·5	...	95	78·4	...	72	79	...	5·4	5·33	...	8	...	1·93
Toungoo ...	29·626	+·014	...	...	83·3	76·9	98·2	+2·5	105	77·2	+0·6	73	73	− 8	4·9	2·95	−4·76	6	− 4·5	0·95
Kyaukpyu ...	29·743	+·011	S 83 E	5·0	84·2	78·9	91·0	+1·8	96	77·3	+0·2	70	78	− 4	5·8	5·37	−10·67	11	− 1·0	1·41
Akyab ...	29·737	+·003	S 76 E	8·1	83·9	78·0	88·7	−1·8	93	77·2	−0·5	68	79	− 5	6·9	17·31	+8·39	11	+ 0·5	5·64
UPPER BURMA																				
Minbu ...	29·571	−·001	S 43 E	4·6	85·7	77·2	100·2	+1·6	109	78·9	+0·2	72	66	− 6	2·9	4·21	−1·43	4	− 2·7	2·04
Yamethin ...	29·130	+·026	S 5 W	6·8	83·6	76·1	98·9	+2·2	105	77·5	+0·8	70	69	− 6	4·0	4·39	−1·50	7	− 0·9	1·96
Mandalay ...	29·486	−·007	S 2 E	3·7	85·3	77·1	103·0	+0·2	108	79·3	+0·3	73	57	0	3·6	3·37	−2·28	7	− 0·8	0·97
Monywa ...	29·464	−·024	S 77 E	2·7	84·2	74·3	103·3	+0·2	110	77·5	−1·3	70	62	− 6	3·0	2·81	−2·18	9	+ 2·4	0·47
Lashio ...	26·994	+·005	N	3·1	73·7	68·2	87·0	−0·2	96	65·7	−0·1	63	75	− 5	4·7	5·51	−1·40	11	− 0·8	2·15
Bhamo ...	29·348	−·004	N 24 E	2·9	77·5	72·9	91·9	−1·5	102	72·6	+0·5	68	80	− 1	6·6	5·26	−0·88	10	− 0·1	1·21
Myitkyina ...	29·270	+·005	N 40 E	3·6	77·5	72·2	90·3	−1·0	98	72·1	−0·1	68	76	− 3	6·9	2·53	−3·56	10	+ 0·8	0·63
ASSAM																				
Dibrugarh ...	29·405	−·002	N 23 E	2·5	74·6	71·9	84·0	−0·4	91	73·4	−0·4	66	85	− 1	7·1	11·23	+0·05	19	+ 3·9	0·97
Silsagar ...	29·435	+·012	N 54 E	4·9	76·4	73·5	85·5	+0·1	93	71·5	+0·1	67	88	− 2	9·0	17·28	+5·49	15	− 0·6	7·41
Tezpur ...	29·501	+·006	N 82 E	2·7	76·4	73·4	85·7	−1·2	91	72·0	−0·3	66	88	+ 2	8·2	7·39	−2·56	16	+ 1·7	1·95
Gauhati ...	29·575	+·004	N 75 E	2·7	76·2	73·1	86·1	−1·9	94	72·0	−0·3	67	86	+ 2	7·5	11·36	+2·55	19	+ 6·0	2·06
Dhubri ...	29·606	−·001	N 88 E	7·3	75·9	73·4	83·2	−3·1	93	72·1	−1·0	68	88	+ 2	7·7	16·83	+2·14	19	+ 4·1	3·87
Silchar ...	29·653	+·017	N 81 E	2·3	75·8	73·3	87·8	−2·9	95	70·8	−2·9	62	88	+ 3	7·8	16·28	+0·69	20	+ 3·9	2·15
BENGAL																				
Cox's Bazar ...	29·704	+·007	S 51 E	4·0 (b)	81·8	77·1	88·6	0	92	75·6	+0·4	68	81	− 3	6·1	15·42	+2·32	13	+ 1·9	2·77
Chittagong ...	29·679	+·011	S 47 E	9·0	81·0	75·5	88·4	−0·4	92	74·9	−0·5	67	76	− 6	5·7	19·76	+10·24	12	+ 1·2	4·56
Narayanganj ...	29·688	+·003	S 43 E	5·3	80·6	76·2	89·2	−1·8	96	74·1	−1·8	65	80	− 3	6·5	17·38	+7·97	15	+ 4·0	3·16
Barisal ...	29·659	+·006	S 27 E	4·2	82·8	78·0	89·8	−1·7	94	76·1	−0·5	60	79	− 2	6·0	12·63	+3·61	14	+ 4·2	3·01
Jessore ...	29·660	0	S 35 E	7·8	82·5	78·3	91·7	−2·6	99	73·9	−0·6	68	83	+ 1	5·5	10·33	+2·25	10	+ 0·6	2·15
Calcutta ...	29·648	−·010	S 12 W	3·8	84·5	79·8	94·4	−0·2	101	79·0	+1·4	70	81	+ 2	6·0	7·68	+1·93	9	+ 1·7	2·24
Sangor Island ...	29·656	−·012	S 18 W	18·5	86·4	81·6	89·7	−1·7	93	81·2	+0·6	72	89	− 1	6·7	6·97	+2·56	6	+ 0·2	3·32
Burdwan ...	29·573	−·017	S 18 E	4·5	81·7	79·3	99·1	+1·5	109	77·4	9	69	77	− 1	2·9	4·88	−1·25	9	+ 1·9	1·22
Berhampore ...	29·615	+·002	S 15 E	5·1	83·6	77·7	97·8	+1·2	103	76·6	+0·2	70	75	− 5	7·0	2·23	−3·31	5	− 2·4	0·98
Mymensingh ...	29·671	+·010	S 36 E	5·6	77·6	74·1	85·5	−3·6	97	72·2	−2·2	65	84	0	6·8	15·78	+3·24	17	+ 3·9	2·41
Bogra ...	29·643	+·005	S 79 E	4·5	74·6	75·2	89·5	−2·7	107	74·4	+0·1	68	80	− 1	7·6	12·12	+3·62	10	+ 0·1	2·39
Dinajpur ...	29·588	+·005	S 83 E	4·2	78·9	74·0	89·4	−2·5	106	73·7	−0·2	68	78	− 2	7·1	3·29	−4·30	8	− 0·9	0·95
Jalpaiguri ...	29·449	+·004	N 86 E	2·8	78·2	76·2	88·4	−0·7	96	72·3	−0·1	65	91	+ 8	6·0	7·35	−3·72	15	+ 2·6	2·05
ORISSA																				
Balasore ...	29·660	−·004	S 29 W	8·5	85·2	79·4	98·2	+1·3	107	75·5 (c)	+1·3	70	72	− 3	4·8	2·51	−2·50	3	− 3·4	1·03
Chandbali ...	29·662	...	S 34 W	10·6	86·0	80·5	97·4	...	108	78·3	...	64	78	...	5·1	2·47	...	5	...	0·94
Cuttack ...	29·585	−·004	S 47 W	5·0	87·3	79·9	102·1	+0·9	111	80·1	+0·2	71	71	− 3	4·7	2·49	−1·46	3	− 2·6	1·75
Sambalpur ...	29·163	−·014	S 13 W	3·8	90·5	75·7	108·6	+2·4	114	81·5	+0·4	72	48	− 4	3·0	0·22	−1·03	1	− 1·4	0·13
CHOTA NAGPUR																				
Chaibasa ...	28·911	−·008	S 22 W	3·6	86·6	77·3	104·4	+1·4	112	78·6	+0·5	71	63	− 1	4·6	2·50	−0·73	5	− 0·8	0·97
Ranchi ...	27·534	−·005	S 22 W	4·5	84·7	70·4	99·1	+0·6	106	75·0	−0·3	68	47	− 5	2·5	2·03	−0·38	4	− 0·9	1·11
Hazaribagh (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
																0·37	−1·04	1	− 3·1	0·12

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.									HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.											
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BIHAR																				
Purnea ...	29·539	-·006	N 83 E	4·2	80·5	71·8	91·2	-3·7	105	74·4	+0·1	69	76	- 1	5·6	3·25	-1·15	8	+ 2·4	0·69
Darbhanga ...	29·431	-·014	N 88 E	6·1	83·2	74·9	96·8	+1·1	107	76·1	+0·3	69	66	- 6	4·2	0·06	-2·72	0	- 4·1	0·06
Patna ...	29·458	-·010	N 80 E	6·4	84·2	74·7	102·0	+2·3	109	78·2	+0·5	72	62	- 2	2·4	0·30	-1·97	1	- 1·9	0·30
Gaya ...	29·254	-·011	N 77 E	3·8	80·5	74·4	107·1	+2·7	115	82·3	+2·6	77	44	-13	1·4	0	-1·09	0	- 1·8	0
Naya Dumka ...	29·169	-·005	S 62 E	4·2	82·7	76·0	99·0	+0·3	112	76·0	-0·1	71	73	+ 6	5·0	1·48	-2·05	2	- 3·1	0·73
UNITED PROVINCES, EAST																				
Gorakhpur ...	29·380	-·015	S 88 E	4·2	85·8	74·6	...	...	...	77·9	+1·3	70	58	- 4	1·3	0·68	-0·79	2	- 0·8	0·50
Benares ...	29·357	-·030	N 82 E	4·8	90·1	73·1	105·4	+1·4	113	81·4	+2·6	75	41	-10	1·6	2	-0·61	0	- 1·2	0
Allahabad ...	29·307	-·015	N 75 E	5·1	91·2	72·3	107·9	+1·3	115	81·8	+2·2	75	35	- 6	0·9	0·07	-0·27	0	- 0·9	0·07
Cawnpore ...	29·191	-·018	N 52 E	3·0	91·2	71·9	108·3	+2·6	115	81·1	+1·7	75	35	-10	0	0	-0·40	0	- 1·1	0
Lucknow ...	29·252	-·015	N 41 E	3·2	89·3	71·0	106·4	+1·6	113	79·6	+1·9	73	45	- 1	0·4	0·12	-0·89	1	- 0·3	0·12
Bahraich ...	29·226	-·007	S 76 E	4·7	85·5	74·2	103·5	+1·8	111	77·6	+0·8	71	56	- 1	0·4	0·18	-1·19	2	- 0·8	0·25
UNITED PROVINCES, WEST																				
Jhansi ...	28·889	-·026	S 72 W	4·0	95·1	68·5	103·9	+1·7	115	83·9	-0·3	73	21	-16	0·5	0·18	-0·20	0	- 1·2	0·07
Agra ...	29·054	-·026	N 76 W	4·5	91·8	67·8	107·5	0	114	78·5	+1·5	69	24	- 1	0·6	0·08	-0·41	0	- 1·4	0·16
Mainpuri ...	29·089	-·023	S 78 W	3·3	92·1	72·3	103·3	+2·6	116	76·5	-2·0	67	31	- 7	1·4	0·02	-0·53	0	- 1·3	0·02
Bareilly ...	29·567	-·006	S 84 E	3·0	86·2	70·0	100·2	+3·4	113	77·6	+1·2	69	42	- 7	1·5	0·75	+0·02	1	- 0·7	0·72
Meerut (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·03	-0·62	0	- 1·5	0·03
Roorkee ...	28·729	-·008	S 55 E	4·0	86·2	67·9	100·2	+1·2	112	74·2	+0·2	64	34	- 7	2·6	0·63	-0·21	3	+ 1·1	0·40
Dehra Dun ...	27·439	-·001	N 89 W	2·8	77·8	61·1	97·3	+1·9	106	69·4	-0·6	61	45	0	3·7	2·25	+0·81	5	+ 1·7	0·82
PUNJAB, EAST AND NORTH																				
Delhi ...	28·949	-·016	N 79 W	4·2	89·6	68·9	106·3	...	113	76·7	...	65	31	...	1·8	0·26	-0·32	2	+ 0·2	0·15
Hissar ...	28·897	0	S 64 W	4·3	88·0	73·4	105·3	-1·2	113	75·2	-1·9	65	47	+ 9	0·9	0·66	+0·07	2	+ 0·5	0·49
Ambala ...	28·712	-·021	N 43 E	4·3	88·0	67·3	105·4	+1·7	112	76·5	+1·2	67	30	-15	2·6	0·63	-0·24	4	+ 2·3	0·23
Ludhiana ...	28·730	-·010	N 54 E	6·1	87·8	67·7	105·0	+1·1	112	74·5	-1·2	62	31	- 8	2·3	0·66	+0·02	2	+ 0·4	0·39
Lahore ...	28·993	-·004	N 89 E	2·6	87·1	67·8	103·3	-1·6	112	75·5	-0·2	62	32	-10	2·0	0·85	+0·15	3	+ 1·6	0·38
Sialkot ...	28·782	-·007	N 17 E	3·3	85·0	66·7	101·0	-1·4	110	75·0	+0·6	60	34	- 9	2·4	1·89	+0·76	4	+ 1·7	0·80
Rawalpindi ...	27·983	-·002	N 24 E	4·3	82·6	64·1	95·8	-2·1	104	67·5	-0·8	57	34	- 8	3·5	2·25	+0·91	3	+ 0·2	1·40
PUNJAB, SOUTHWEST																				
Khushab ...	29·015	+·004	N 84 E	6·7	88·6	73·8	104·2	-2·6	109	75·8	-0·9	81	47	+12	1·6	0·56	+0·17	2	+ 0·3	0·61
Lyallpur (b) ...	29·092	+·011	N 72 E	3·4	86·1	67·0	104·1	-1·4	109	73·2	-0·4	62	33	- 7	2·8	0·80	+0·42	2	+ 0·6	0·53
Montgomery ...	29·045	-·001	S 89 E	3·5	86·5	72·0	103·6	-2·8	112	75·2	-2·3	63	47	+15	1·2	0·61	+0·31	2	+ 0·9	0·55
Multan ...	29·184	+·004	N 75 W	2·6	88·6	71·7	107·1	+0·5	115	78·8	+0·5	66	41	- 2	1·9	0·13	-0·22	0	- 0·8	0·07
Bahawalpur ...	29·233	...	S 1 W	3·3	87·7	71·8	105·5	...	114	75·9	...	64	43	...	2·1	0·10	...	0	...	0·08
Khanpur ...	29·238	...	N 70 W	3·2	88·5	71·8	107·8	...	115	74·1	...	64	51	...	1·4	0·01	...	0	...	0·01
KASHMIR																				
Srinagar ...	24·825	+·011	S	2·7	59·0	55·2	77·5	-1·9	89	52·3	+1·5	46	77	- 8	6·2	4·31	+2·07	10	+ 4·7	2·48
Sonamarg (c) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9·56	+1·85	21	+12·1	1·43
Dras ...	20·702	-·003	S 67 W	3·5	48·5	39·1	66·6	-2·9	65	37·3	+4·3	24	70	+ 1	5·6	5·97	+3·58	12	+ 7·0	0·92
Leh ...	19·708	-·005	S 8 E	5·4	48·1	37·7	61·2	-2·7	68	37·4	+0·5	31	49	+10	6·6	0·28	+0·07	0	- 0·7	0·08
Skardu ...	22·894	+·005	Calm	1·1	54·2	50·3	66·8	-5·9	75	47·8	-1·5	41	76	+24	7·1	1·67	+0·71	4	+ 2·0	0·65
Gilgit ...	25·017	-·008	Calm	0·3	61·9	56·9	76·0	-7·8	86	56·5	-3·7	51	73	+24	7·3	1·91	+1·21	10	+ 7·8	0·32
NORTH-WEST FRONTIER PROVINCE																				
Peshawar (b) ...	28·598	-·001	N 64 N	2·8	81·9	65·8	96·9	-0·8	103	69·5	-0·7	58	36	+ 2	5·2	2·33	+1·51	4	+ 2·0	0·97
Dera Ismail Khan ...	29·018	-·002	N 29 E	3·3	86·9	68·7	102·2	-1·5	110	73·6	-1·2	60	35	-12	1·8	0·57	+0·17	2	+ 1·1	0·40
Miranshah ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
BALUCHISTAN																				
Fort Sandeman (b) ...	25·285	-·004	S 71 W	3·5	69·0	53·8	87·7	-4·3	97	62·3	-1·5	45	32	- 5	1·1	3·07	+2·33	2	+ 0·7	2·77
Harnai (d) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·29	-0·19	1	+ 0·2	0·29
Quetta ...	24·604	-·003	E	5·7	64·8	54·5	83·1	-1·6	92	54·0	-1·5	44	58	+ 1	2·8	0·46	+0·09	2	+ 1·0	0·23
Chaman ...	25·573	-·017	S 15 W	6·0	73·5	54·3	87·6	-3·3	96	63·1	-1·2	52	24	-12	1·8	0·52	+0·40	2	+ 1·6	0·42
Kalat ...	23·672	-·018	S 3 E	7·4	61·2	50·2	83·9	-2·3	90	46·6	+1·8	38	46	- 2	2·1	0·07	-0·16	0	- 0·8	0·07
Dalbandin ...	26·978	+·008	Calm	4·1	75·2	59·1	98·3	-3·4	105	65·4	-1·4	51	35	+ 4	0·4	0	-0·13	0	- 0·3	0
Mirjawa ...	27·624	...	N 70 W	7·5	72·9	57·1	96·9	...	108	68·0	...	59	33	...	2·3	0·04	...	0	...	0·04

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 27 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.			
					MEAN S H.		MAXIMUM.			MINIMUM.									
	At S H., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at S h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean S h.	Departure from normal.	Mean amount S h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIND																				
Jacobabad	29·427	+·002	S 87 E	4·2	92·1	69·8	109·5	−2·6	117	78·6	−0·1	72	28	−16	1·0	0·64	+0·50	2	+1·6	0·34
Hyderabad	29·555	+·002	S 38 W	5·8	88·1	76·6	108·1	+1·1	116	78·6	+0·4	73	37	+ 2	0·6	0 67	+0·47	2	+1·6	0·45
Karachi	29·675	−·013	S 74 W	11·1	84·1	80·8	89·3	+0·4	95	80·4	+1·7	77	85	+ 5	3·1	0	−0·07	0	−0·1	0
RAJPUTANA, WEST																				
Bikaner	28·875	+·07	S 47 W	7·8	88·8	69·4	105·0	−2·4	112	81·8	−0·5	64	33	−11	1·2	0·43	−0·29	2	+0·7	0·9
Jodhpur	28·895	+·092	S 45 W	2·9	87·3	70·7	107·1	+1·4	113	81·3	+1·5	66	41	0	0·8	0·33	−0·42	2	+0·9	0·16
RAJPUTANA, EAST																				
Jaipur (b)	28·258	+·006	N 58 W	4·0	91·1	68·1	107·2	+1·1	114	78·4	+0·3	63	27	−10	0·6	0·18	−0·40	1	−0·5	0·12
Ajmer	28·091	+·001	S 79 W	9·4	87·9	68·2	102·4	−1·0	109	80·3	+0·1	65	34	− 9	1·8	1·01	+0·41	2	+0·4	0·71
Kotah	28·823	−·008	N 64 W	4·7	95·9	71·0	110·2	+0·9	116	86·2	+1·2	70	25	− 4	0·7	0·09	−0·50	0	−1·3	0·08
Jhalrapatan	28·620	...	S 87 W	5·7	91·0	75·0	107·3	...	113	81·2	...	69	46	...	0·5	0·66	...	2	...	0·50
Udaipur (a)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−1·14	0	−2·2	0
GUJARAT																				
Deesa	29·253	−·008	S 45 W	9·4	86·4	75·6	103·6	+2·0	116	77·7	+0·3	70	58	+ 1	2·0	0·12	−0·31	1	+0·3	0·12
Bhuj	29·358	−·021	S 52 W	8·5	85·5	76·3	101·0	−0·2	109	78·0	+1·4	75	64	− 5	0·4	0	−0·07	0	−0·2	0
Dwarka	29·705	−·012	S 52 W	12·2	84·3	72·8	88·9	+0·8	90	81·9	+1·6	89	81	0	3·4	0	−0·01	0	0	0
Rajkot	29·302	−·014	S 62 W	12·4	84·2	76·6	106·1	+1·0	111	76·8	+1·7	71	70	+ 3	2·1	0	−0·43	0	−0·6	0
Veraval	29·757	+·004	S 80 W	8·0	84·3	80·1	86·5	+0·3	91	80·1	+1·5	74	83	+ 1	3·1	0·10	−0·21	1	+0·6	0·10
Surat	29·731	−·005	S 31 W	6·9	85·7	78·9	95·5	−1·9	109	79·9	+1·4	77	72	+ 5	4·2	0	−0·24	0	−0·4	0
Bhavnagar	29·703	−·006	S 86 W	6·8	87·4	78·4	106·1	+1·1	114	78·2	0	75	58	− 6	2·4	0·11	−0·33	0	−0·9	0·09
Ahmadabad	29·583	−·005	S 60 W	5·6	86·6	75·7	105·8	−1·6	111	79·4	+0·2	75	58	− 1	1·8	0·61	−0·42	0	−0·7	0·01
CENTRAL INDIA, WEST																				
Neemuch	28·097	+·002	N 86 W	9·2	87·5	74·9 (b)	103·8	+0·2	110	78·7	+1·5	59	54 (b)	+ 5	0·6	0·03	−0·61	0	−1·4	0·03
Indore	27·918	−·002	N 66 W	6·7	86·0	69·9	103·2	+0·3	109	75·5	+2·4	74	43	− 7	0·4	0	−0·68	0	−1·5	0
Bhopal	28·978	...	N 75 W	5·8	86·8	69·1 (b)	105·6	...	111	80·7	...	72	32 (b)	...	0·4	0·01	...	0	...	0·01
CENTRAL INDIA, EAST																				
Nowgong	28·878	−·015	S 76 W	3·4	88·9	74·8 (d)	110·0	+3·0	115	80·1 (b)	+0·4	70	58 (d)	+ 3	0·4	0·01	−0·38	0	−1·0	0·01
Sutna	28·592	−·010	S 86 W	4·3	94·0	68·4	108·6	+3·4	114	80·4	+0·8	73	23	− 9	0·8	0·09	−0·39	0	−1·3	0·07
BERAR																				
Akola	28·784	−·006	N 65 W	7·9	90·2	71·8	103·0	+1·0	115	81·0	+3·0	79	37	− 2	0·6	0	−0·46	0	−1·1	0
Amraoti	28·788	−·005	S 76 W	6·7	90·8	68·7	108·7	+1·2	114	82·8	+2·5	76	30	− 9	2·6	0·06	−0·62	0	−1·6	0·06
CENTRAL PROVINCES, WEST																				
Khandwa (b)	28·872	−·004	N 71 W	9·8	89·4	72·4	108·0	+1·3	114	83·2	+2·2	79	41	− 1	0·3	0	−0·42	0	−0·9	0
Hoshangabad	28·703	+·005	W	3·2	91·1	68·9	108·5	+1·3	113	82·7	+2·5	74	28	−11	1·2	0·22	−0·36	1	−0·2	0·18
Sanger	27·876	−·013	N 66 W	5·8	89·6	65·2	106·0	+1·3	110	80·5	+1·5	72	21	−12	1·1	0·12	−0·58	1	−0·1	0·12
Jubbulpore	28·342	−·002	N 87 W	3·7	91·7	67·8	107·5	+2·2	112	79·6	+1·1	71	24	−10	0·8	0	−0·53	0	−1·3	0
Seoni	27·674	−·008	N 28 W	3·4	93·0	67·5	105·9	+2·5	110	78·2	+2·1	72	22	−11	1·6	0·76	−0·03	2	−0·1	0·58
Nagpur	28·661	−·002	N 44 W	5·7	94·9	68·6	110·9	+2·3	115	81·7	+2·9	75	22	−11	2·5	0·48	−0·35	2	−0·1	0·28
CENTRAL PROVINCES, EAST																				
Pendra	27·643	−·018	S 37 W	5·2	91·3	70·3	101·9 (c)	+0·8	106	79·7	+2·0	69	32	− 2	4·2	0·63	−0·93	0	−2·4	0·63
Raipur	28·679	−·006	S 61 W	3·7	91·1	72·2	110·3	+3·5	115	83·8	+2·2	77	32	− 5	3·1	0·54	−0·46	2	−0·3	0·36
Kanker	28·369	...	S 80 W	5·2	93·5	74·4	107·2	...	111	83·5	...	77	39	...	3·1	0·05	...	0	...	0·04
Chanda	29·036	−·021	S 72 W	5·2	95·0	71·3	112·6	+3·4	117	85·4 (c)	+3·5	79	27	−11	1·5	0	−0·71	0	−1·7	0
Jagdalpur	27·887	−·025	S 37 W	3·6	85·4	72·4	102·0	+2·8	108	76·4	+1·7	68	52	− 7	2·2	1·98	−0·53	5	−0·5	0·80
KONKAN																				
Bombay	29·765	−·032	S 85 W	5·6	85·0	78·1	92·4	+1·6	94	80·7	+1·4	77	72	−13	3·4	0	−0·84	0	−0·8	0
Ratnagiri	29·897	−·001	N 57 W	7·2	85·3	77·1	89·9	−0·9	92	80·5	+0·8	79	68	− 2	2·1	0·08	−1·28	0	−1·5	0·08
Marmagao	29·626	+·025	N 7 W	8·0	85·4	78·0	90·1	+0·1	92	81·8	+0·9	75	70	− 6	6·2	0·13	−2·44	1	−1·7	0·16
Karwar	29·773	+·007	N 40 W	4·8	84·8	78·0	91·4	+1·6	93	81·1	+1·5	76	72	− 5	4·5	0·10	−3·13	0	−3·5	0·06
BOMBAY DECCAN																				
Malegaon	28·822	−·006	N 81 W	6·5	88·6	70·1	105·9	+1·1	111	75·5	+0·2	71	37	−11	0·7	0	−0·88	0	−1·3	0
Ahmadnagar	27·646	+·003	N 37 W	6·5	85·8	65·6	103·6	+2·3	109	72·9	+1·0	67	31	−12	0·9	0	−0·91	0	−1·6	0
Poona	27·978	+·014	N 81 W	5·2	83·5	68·7	99·6	+0·8	106	72·6	−0·4	68	45	−11	1·2	0	−1·20	0	−1·8	0
Sholapur	28·208	+·012	N 43 W	4·4	85·8	68·9	105·8	+2·7	111	77·9	+1·2	72	40	−10	0·8	0·03	−1·60	0	−2·2	0·03
Bijapur	27·851	+·012	N 63 W	6·4	83·4	69·6	103·4	+2·4	108	75·4	+1·1	67	45	−12	3·3	0·79	−0·47	2	−0·8	0·60
Belgaum	27·287	+·020	S 58 W	4·3	76·2	69·9	95·5	+2·4	103	68·5	+0·3	61	71	+ 1	3·1	1·25	−1·21	3	−1·6	0·51
HYDERABAD, NORTH																				
Aurangabad	27·882	−·001	N 83 W	7·6	86·5	68·2	104·7	+1·1	109	77·1	+1·9	72	36	− 7	1·1	0	−0·85	0	−1·5	0
Parbhani (a)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−1·35	0	−2·0	0
Nizamabad	28·475	−·013	N 81 W	3·4	90·9	75·1	109·4 (b)	+3·1	114	81·3	+3·3	77	40	− 7	1·9	0·36	−0·25	1	−0·5	0·30

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days. (d) Mean of 28 days.

TABLE III, MAY 1931

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 h.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·255	+·002	N 77 W	8·5	86·3	70·7 (c)	106·4	+1·8	[illegible]	80·2	+2·0	72	45	−19	2·7	0·37	−0·82	1	−1·7	0·35
Raichur ...	28·459	+·014	N 61 W	8·3	87·3	76·0 (c)	106·5 (d)	+3·2	113	80·2	+1·0	71	58	+ 2	0·8	1·62	+0·58	2	0	0·80
Hyderabad ...	28·036	+·009	N 77 W	4·2	88·4	71·2	106·4 (b)	+3·3	111	79·3 (d)	−0·7	71	41	−10	3·9	1·77	+0·77	5	+2·7	0·70
Hanamkonda ...	28·828	−·009	S 11 W	6·7	90·9	75·5	108·1	+5·0	113	82·7	+1·4	70	46	+ 1	2·5	1·35	+0·43	2	+1·0	0·81
MYSORE																				
Chitaldrug ...	27·423	+·018	S 82 W	6·6	78·6	71·0	98·6	+4·2	107	72·7	+1·2	67	68	− 3	4·7	4·21	+1·19	3	−1·5	2·00
Bangalore ...	26·832	+·038	N 88 W	5·6	77·4	70·5	95·6	+3·9	102	71·0	+1·8	66	70	− 4	5·0	3·45	−0·91	7	+0·2	1·46
Mysore ...	27·332	+·003	S 75 W	5·8	75·6	70·3	94·7	+2·9	99	70·6	+0·9	64	75	0	4·8	2·38	−2·20	5	−2·5	1·04
MALABAR																				
Mangalore ...	29·750	+·007	N 53 E	4·7	83·3	78·0	90·8	−0·4	93	77·8	−0·7	73	77	+ 4	6·7	11·20	+5·09	11	+4·4	3·74
Calicut ...	29·787	+·004	N 14 W	6·3	84·3	78·2	92·2	+2·3	95	78·7	+0·5	72	75	− 5	7·0	6·64	−1·89	6	−2·5	2·26
Cochin ...	29·815	+·035	N 14 E	5·0	84·3	80·8	88·3	−1·4	90	79·3	+1·7	71	85	+ 5	6·5	6·39	−4·68	11	−1·2	1·83
Trivandrum ...	29·598	−·016	N 17 W	7·9	83·0	78·8	87·8	+1·1	90	83·9	+6·9	75	83	+ 2	6·7	3·21	−5·24	7	−2·9	1·08
MADRAS, SOUTHEAST																				
Palamcottah (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−1·57	0	−2·7	0
Pamban ...	29·731	+·002	S 10 W	11·9	88·7	80·4	91·8	+0·4	96	83·1	+2·1	79	74	− 4	3·2	0	−0·83	0	−1·6	0
Madura ...	29·295	−·009	N 40 W	3·5	87·0	76·8	102·6	+2·6	107	81·0	+3·0	73	62	− 4	6·3	1·41	−1·48	5	+0·3	0·95
Negapatam ...	29·732	+·003	S 63 W	7·1	87·4	79·5	97·4	−0·1	104	82·4	+2·0	75	69	− 1	6·9	1·31	−0·30	3	+1·1	0·91
Trichinopoly ...	29·504	−·006	S 52 W	4·8	87·3	77·0	102·6	+1·0	109	81·6	+2·2	70	80	− 5	4·6	2·51	−0·62	4	−0·1	1·11
Coimbatore ...	28·447	0	S 4 W	3·0 (b)	81·1	74·3	95·5	+0·7	101	75·3	+1·8	69	71	− 9	4·4	4·45	+2·09	3	−1·8	2·75
Salem ...	28·854	−·005	S 58 W	4·7	84·6	76·4	102·0	+2·4	109	79·3	+2·9	74	68	− 4	3·3	2·16	−2·56	5	−2·7	0·86
Cuddalore ...	29·712	+·036	S 40 W	6·5	87·6	80·1	97·5	−0·9	106	80·9	+0·6	73	71	+ 1	4·5	0·45	−0·28	1	−0·2	0·42
Vellore ...	29·034	−·016	S 88 W	4·2	86·7	75·4	104·3	+2·5	111	80·7	+2·0	74	56	− 9	4·5	0·84	−1·46	3	−0·9	0·37
Madras ...	29·793	−·010	S 24 W	6·1	87·1	79·5	98·3	−0·2	106	81·3	+0·1	71	70	+ 4	5·3	1·77	+0·70	1	−0·1	1·67
MADRAS, DECCAN																				
Cuddapah ...	29·321	+·002	N 46 W	5·1	90·3	78·6	106·4	+0·5	113	84·3	+1·2	71	58	+ 3	4·3	1·15	−0·42	2	−0·8	0·66
Bellary ...	28·360	+·002	N 63 W	6·9	64·7	73·5	102·1	−0·3	107	78·5	+1·0	70	59	+ 3	3·4	0·81	−1·15	3	−0·4	0·20
Kurnool ...	28·829	+·003	N 81 W	7·6	87·4	78·8	104·7	+·01	112	81·6	+0·6	72	52	− 7	4·8	1·57	+0·51	4	+1·5	0·78
MADRAS COAST, NORTH																				
Nellore ...	29·643	−·005	S 52 W	4·4	89·2	78·6	105·8	+1·2	114	82·2	+0·7	72	61	− 2	4·4	1·36	+0·55	2	+0·8	1·15
Masulipatam (f) ...	29·701	−·007	S 23 W	5·7	87·6	81·3	95·5	−4·2	101	81·9	+0·4	72	71	− 2	3·3	3·13	+1·79	3	+1·0	1·75
Cocanada ...	29·697	+·003	S 44 W	5·5	88·3	80·7	99·2	0	106	81·8	0	73	71	− 3	6·6	1·37	−0·17	1	−1·7	1·35
Vizagapatam ...	29·536	+·007	S 65 W	5·8	86·8	79·7	91·3	−0·7	97	82·0	+1·2	72	72	+ 1	5·7	1·71	−0·25	2	−1·0	1·22
Calingapatam ...	29·681	+·002	S 54 W	5·8	85·3	82·1	91·6	−0·3	99	82·4	+2·4	77	73	3	4·4	0·14	−2·75	0	−2·6	0·07
Gopalpur ...	29·623	0	S 37 W	13·1	84·5	81·5	89·3	−0·8	92	80·9	+0·8	79	87	+ 5	3·1	0·93	−1·93	0	−3·1	0·93
HILL STATIONS, EXCLUDING KASHMIR AND BALUCHISTAN																				
Maymyo ...	26·334	+·010	S 22 W	2·7	74·2	68·5	83·8	−1·6	90	65·1	+0·8	61	73	− 7	2·5	2·85	−6·85	10	−1·8	0·54
Shillong ...	25·053	+·002	S 52 W	3·6	67·2	61·2	74·1	+0·1	79	58·5	−0·3	52	71	− 2	7·5	9·45	−1·12	18	+0·7	2·28
Cherrapunji ...	25·586 (b)	−·007	S 32 W	5·8	65·4	62·7	70·9	−1·1	76	59·3	−1·1	53	87	+ 1	7·9	41·89	−1·39	25	+3·9	7·56
Darjiling ...	22·873	−·014	S 27 W	4·6	59·5	55·1	65·0	−1·6	69	52·7	+0·4	47	76	−12	6·7	10·16	+1·46	17	+2·7	1·50
Muktesar ...	22·788	0	N 86 W	5·5	63·1	51·2	73·6	+0·1	80	57·0	+2·1	43	43	− 8	3·2	2·05	−0·49	5	−0·9	0·70
Mussooree ...	...	...	N 87 E	7·2	64·5	52·5	75·6	...	83	57·7	...	47	45	...	3·7	1·80	−1·95	6	0	0·55
Simla ...	23·047	0	S 86 E	3·2	65·5	52·8	73·1	−0·5	81	57·0	−0·4	34	43	+ 4	2·5	3·67	+0·80	9	+3·7	0·90
Dharamsore (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·62	...	3	...	0·83
Dalhousie (a) ...	...	...	...	...	...	...	...	... (b)	...	...	...	...	...	...	...	5·79	...	9	...	1·70
Murree ...	...	...	S 85 W	4·7	65·1	53·5	75·2	−0·6	80	...	...	...	47	+ 5	1·8	2·52	+0·66	5	0	0·76
Cherat ...	25·583	+·003	N 13 W	10·5	68·7	56·2	81·5	−4·9	91	52·5	−4·2	44	44	+ 7	3·4	6·79	+5·23	6	+3·3	2·64
Parachinar ...	24·355	+·004	Calm	2·9	66·7	54·6	76·8	−2·8	83	54·1	−1·3	45	45	0	4·2	5·28	+2·77	12	+4·9	1·33
Drosh (f) ...	...	...	E	2·4	60·4	55·9	76·3	−5·9	85	55·0	−4·2	45	70	+16	4·2	2·97	+1·02	9	+4·9	0·68
Mount Abu ...	25·940	+·001	S 73 W	6·9	79·6	58·7	88·5	+0·5	94	70·9	−0·2	60	25	−13	0·7	2·35	+1·23	1	−0·6	2·35
Pachmarhi ...	26·330	+·002	N 62 W	4·1	84·4	63·9	97·3	+1·9	102	77·5	+2·5	66	30	− 7	7·0	0	−0·61	0	−1·7	0
Mercara ...	26·156	+·015	N 72 W	5·9	70·7	65·9	81·4	+1·3	86	65·2	+1·0	61	81	− 5	4·8	6·44	+0·79	3	+0·3	2·55
Kodaikanal ...	22·791	+·025	N 5 W	5·9	64·8	54·6	76·3	+0·9	74	55·5	+2·4	52	55	−13	4·3	6·51	+0·49	10	−0·6	2·84
Coonoor ...	24·425	...	S 54 E	1·3	72·2	60·4	78·4	...	85	59·5	...	54	48	...	5·2	3·02	...	6	...	1·12
CEYLON																				
Colombo ...	29·798	+·031	S 11 W	6·0	81·0	77·8	87·4	−0·7	90	77·5	−0·3	72	87	+ 3	8·6	11·34	−0·24	17	+3·7	2·98

(a) Reports only rainfall (b) Mean of 30 days. (c) Mean of 29 days. (d) Mean of 28 days. (f) Mean of 26 days. (h) Mean of 24 days. (j) Mean of 22 days.

Y. P. P.—S 1871—450—18-6-31

MONTHLY WEATHER REPORT

FOR

June 1931

Supplement to the Indian Daily Weather Report for the 16th July 1931

Published by order of the Governor-General in Council

Summary.—Dry hot weather from northwest India to Bihar and Orissa; shallow monsoon in the Peninsula until the 25th; normal monsoon in Burma and Assam.

The chief feature of the Bay monsoon current was its shallowness, the associated rainfall being normal only in Burma and Assam. The monsoon appeared on the Burma coast on the 3rd and extended in Upper Burma on the 7th, Assam on the 8th and Bengal on the 12th. It was vigorously active in Assam between the 24th and 27th. The monsoon also extended into Bihar and Orissa on the 14th, a temporary extension for two days also occurring in the United Provinces and the east and north Punjab on the 14th.

2. The Arabian Sea monsoon advanced, also in a shallow current, in Malabar and the south Konkan on the 4th; its activity was confined there till the 13th, when it extended into the north Konkan, the Deccan, Gujarat, the central parts of the country and Rajputana and was, on the whole, active in the Peninsula during the rest of the month. This branch of the monsoon strengthened in the Peninsula by the 26th, when conditions became unsettled off the east coast of Madras in the Bay of Bengal, which moved along the coast to the head of the Bay by the 30th.

3. Numerous dust or thunderstorms occurred from the Punjab to the Central Provinces on the 12th and 24th. Severe duststorms, which passed over Lahore and Jhansi on the former date, are reported to have caused considerable damage to property. Weather was disturbed over the Punjab on the last two days of the month and fairly widespread thundershowers occurred in Kashmir on the 29th and 30th and in and near the Kumaon hills on the latter date. It is also reported that a severe duststorm, which passed over Jhang Maghiana (Multan District) about the 5th of the month, uprooted many trees and three people taking shelter under them were killed.

4. The month's total rainfall was in slight to moderate excess in Upper Burma, the Bombay Deccan, south Hyderabad and the Madras Deccan, normal in Lower Burma, Assam, Mysore and southeast Madras and in slight defect in the Bay Islands, the southwest Punjab, the Konkan, Malabar and the north Madras coast; elsewhere it was in moderate to large defect. Averaged over the plains of India, the month's rainfall was in defect by 23 per cent.

5. A spell of hot weather prevailed over the region extending from Gujarat and the Deccan to Bengal and in the United Provinces between the 3rd and the 14th and from Gujarat and east Rajputana to the west Central Provinces and in the United Provinces during the last fortnight; the mean temperature was as high as 10 to 12°F in some places during the period. Both the mean monthly maximum and minimum temperatures were below normal in Kashmir and Baluchistan, and above normal in Bihar and Orissa, Gujarat, west Central India, the Central Provinces and north Hyderabad; the maximum alone was above the average in Upper Burma, Bengal, the United Provinces, east Rajputana, east Central India, the Bombay Deccan, south Hyderabad and Mysore.

Summary of the Local Conditions

Burma, including the Bay Islands.—The month's rainfall was in moderate excess in Upper Burma, normal in Lower Burma and in slight defect in the Bay Islands. Maximum temperature was above normal in Upper Burma and humidity was in defect in the Bay Islands.

Northeast India, including Orissa.—Rainfall during the month was normal in Assam and in moderate to large defect elsewhere. Both the mean maximum and minimum temperatures were above normal in Bihar and Orissa, where humidity was in defect; the maximum temperature alone was above normal in Bengal. Cloud amount was less than usual in Chota Nagpur and Bihar.

[Price 4 annas.]

The United Provinces, Central India and the Central Provinces.—The rainfall of the month was in moderate defect in the Central Provinces, outside Berar, and in large defect elsewhere. Day temperature was above normal throughout the division and the night temperature in west Central India and the Central Provinces. Air was much drier than usual throughout the division and the skies were less clouded in the United Provinces and Central India.

Northwest India.—The total rainfall of the month was in slight defect in the southwest Punjab, in moderate defect in Kashmir, Baluchistan and Gujarat, and in large defect elsewhere. Both the mean maximum and minimum temperatures were above normal in Gujarat and below normal in Kashmir; maximum temperature alone was above normal in east Rajputana and below normal in Baluchistan. Humidity was in defect in the Punjab, the North-West Frontier Province, Sind, Rajputana and Gujarat. Cloud proportion was more than usual in the southwest Punjab, the North-West Frontier Province and Baluchistan, and less than usual in the east and north Punjab, Sind, Rajputana and Gujarat.

The Peninsula.—The month's rainfall was in moderate excess in south Hyderabad and the Madras Deccan, in slight excess in the Bombay Deccan and normal in Mysore and southeast Madras; it was in slight defect in the Konkan, Malabar and the north Madras coast, and in large defect in north Hyderabad. Both the day and night temperatures were above normal in north Hyderabad, and the day temperature alone was above normal in the Bombay Deccan, south Hyderabad and Mysore. Air was drier than usual in the Bombay Deccan and southeast Madras.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 33 sub-divisions. Table III contains the monthly means of the 8 hrs. (local time) observations published in the Indian Daily Weather Reports; the divisional means, Tables I and II, are based on these observations.

POONA:
The 7th July 1931.

C. W. B. NORMAND,
Director-General of Observatories.

Division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
Burma ...	21·15	21·58	−0·43	− 2	+1·7	+1·3	− 1	+0·1
Assam ...	18·07	17·47	+0·60	+ 3	−0·5	−0·1	− 1	+1·0
Bengal ...	10·62	16·05	−5·43	− 34	+2·9	+1·2	− 2	−0·6
Bihar and Orissa ...	4·13	9·40	−5·27	− 56	+7·6	+2·7	−15	−1·4
United Provinces ...	1·40	4·79	−3·39	− 71	+5·9	+0·9	−21	−1·4
Punjab ...	0·51	1·95	−1·44	− 74	+0·7	−1·9	−16	−0·3
North-West Frontier Province.	0·03	0·51	−0·48	− 94	−0·4	−1·1	− 7	+0·5
Sind ...	0·03	0·50	−0·47	− 94	−0·1	−0·1	− 4	−1·2
Rajputana ...	0·46	2·31	−1·85	− 80	+2·5	+1·7	−18	−1·2
Bombay ...	7·31	9·75	−2·44	− 25	+3·0	+1·5	− 4	−1·0
Central India ...	1·39	5·52	−4·13	− 75	+5·8	+2·0	−17	−2·1
Central Provinces ...	3·90	7·52	−3·62	− 48	+5·3	+2·7	−16	−0·6
Hyderabad ...	4·87	5·49	−0·62	− 11	+2·5	+1·4	+ 1	−0·4
Mysore ...	2·70	2·89	−0·19	− 7	+2·2	+1·4	+ 2	−0·5
Madras ...	6·09	7·03	−0·94	− 13	+0·9	+1·4	− 2	+0·1
Mean of India ...	✓ 6·85	8·95	✓ −2·10	− 23	✓ +2·9	✓ +1·2	− 9	−0·6

Sub-division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
1. Bay Islands ...	16·49	19·34	− 2·85	− 15	+ 0·4	0	− 7	+0·4
2. Lower Burma ...	29·04	30·62	− 1·58	− 5	+ 0·9	+1·2	0	+0·6
3. Upper Burma ...	11·00	8·67	+ 2·33	+ 27	+ 2·6	+1·5	− 3	−0·5
4. Assam ...	18·07	17·47	+ 0·60	+ 3	− 0·5	−0·1	− 1	+1·0
5. Bengal ...	10·62	16·05	− 5·43	− 34	+ 2·9	+1·2	− 2	−0·6
6. Orissa ...	5·75	10·36	− 4·61	− 44	+ 6·5	+2·3	− 8	−0·5
7. Chota Nagpur ...	5·27	9·19	− 3·92	− 43	+10·9	+3·7	−27	−2·3
8. Bihar ...	2·48	8·94	− 6·46	− 72	+ 6·9	+2·5	−14	−1·5
9. United Provinces, East ...	1·98	5·19	− 3·21	− 62	+ 6·6	+1·7	−21	−1·4
10. Do. do. West ...	0·90	4·44	− 3·54	− 80	+ 5·3	0	−22	−1·5
11. Punjab, East and North ...	0·32	2·47	− 2·15	− 87	+ 1·5	−1·8	−22	−0·7
12. Do. Southwest ...	0·85	1·05	− 0·20	− 19	− 0·4	−2·1	− 7	+0·3
13. Kashmir ...	0·77	1·28	− 0·51	− 40	− 3·2	−2·3	+ 1	−0·2
14. North-West Frontier Province ...	0·03	0·51	− 0·48	− 94	− 0·4	−1·1	− 7	+0·5
15. Baluchistan ...	0·20	0·32	− 0·12	− 37	− 3·9	−1·8	− 1	+0·3
16. Sind ...	0·03	0·50	− 0·47	− 94	− 0·1	−0·1	− 4	−1·2
17. Rajputana, West ...	0·40	1·45	− 1·05	− 72	+ 0·7	+1·6	−13	−1·1
18. Do. East ...	0·49	2·74	− 2·25	− 82	+ 3·7	+1·7	−21	−1·3
19. Gujarat ...	0·38	3·97	− 3·59	− 30	+ 3·6	+2·0	− 6	−1·7
20. Central India, West ...	0·69	5·06	− 4·37	− 86	+ 4·8	+3·6	−17	−2·5
21. Do. do. East ...	2·09	5·98	− 3·89	− 65	+ 6·8	+0·4	−17	−1·9
22. Berar ...	1·63	5·95	− 4·32	− 73	+ 5·1	+3·8	−13	−0·9
23. Central Provinces, West ...	3·74	7·27	− 3·53	− 49	+ 5·1	+2·2	−17	−0·6
24. Do. do. East ...	5·28	8·68	− 3·40	− 39	+ 6·0	+2·8	−14	−0·4
25. Konkan ...	23·75	28·44	− 4·69	− 16	+ 0·7	+0·3	− 1	−0·7
26. Bombay Deccan ...	5·57	5·00	+ 0·57	+ 11	+ 3·6	+1·6	− 5	−0·5
27. Hyderabad, North ...	3·02	6·54	− 3·52	− 54	+ 3·5	+2·7	− 1	+0·1
28. Do. South ...	6·26	4·70	+ 1·56	+ 33	+ 2·0	+0·8	+ 1	−0·7
29. Mysore ...	2·70	2·89	− 0·19	− 7	+ 2·2	+1·4	+ 2	−0·5
30. Malabar ...	23·59	28·19	− 4·60	− 16	+ 0·7	+1·0	+ 3	+0·5
31. Madras, Southeast ...	1·43	1·52	− 0·09	− 6	+ 0·8	+1·8	− 5	+0·4
32. Do. Deccan ...	3·64	2·58	+ 1·06	+ 41	− 0·7	+0·6	+ 3	−0·3
33. Do. Coast North ...	3·43	4·33	− 0·90	− 21	+ 1·9	+1·7	− 3	−0·5

STATION.	PRESSURE.		WIND.		TEMPERATURE.									HUMIDITY.	CLOUD.	RAINFALL.				
					MEAN S H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean S h.	Departure from normal.	Mean amount S h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BAY ISLANDS																				
Port Blair ...	29·681	-·007	S 51 W	6·9	81·4	76·6	85·2	+0·4	89	77·8	0	73	80	- 7	8·7	16·49	-2·85	23	+ 2·9	2·44
LOWER BURMA																				
Victoria Point ...	29·667	+·003	S 6 W	6·0	79·4	77·2	83·9	-0·7	88	75·8	+0·7	73	90	+ 3	8·2	43·03	+11·76	28	+ 6·1	3·93
Mergui ...	29·723	-·006	...	...	78·4	77·5	85·3	-0·2	90	76·7	+3·1	71	96	+ 4	8·6	31·50	+5·09	27	+ 2·7	4·07
Tavoy ...	29·766	-·006	S 13 E	3·1	78·4	76·6	85·6	+1·0	90	75·6	+0·6	73	92	0	9·0	39·31	-4·93	27	+ 1·7	4·91
Amherst ...	29·675	...	S 2 W	8·8	80·4	77·5	85·2	...	89	76·8	...	73	87	...	5·7	23·10	...	22	...	4·06
Rangoon ...	29·702	-·012	S 5 W	3·3	80·9	78·7	86·9	+0·5	92	78·0	+1·6	75	90	- 1	8·9	31·16	+13·12	24	+ 1·0	5·96
Bassein ...	29·673	-·007	S 22 W	3·0	81·6	78·6	89·3	+2·9	94	76·7	+0·2	74	87	- 5	8·2	16·24	-6·72	23	- 0·5	2·25
Diamond Island ...	29·654	-·014	S 35 W	7·2	82·6	79·3	87·0	+1·4	90	78·5	+1·6	73	86	+ 2	8·2	18·62	-6·06	19	- 2·3	3·16
Gwa ...	29·652	...	S 46 E	3·7	81·8	79·1	88·0	...	91	77·1	...	74	88	...	8·6	31·45	...	21	...	6·12
Toungoo ...	29·565	+·035	...	...	80·9	77·6	90·8	+1·8	98	76·7	+1·3	73	86	- 3	8·7	12·01	-2·13	15	- 5·6	2·37
Kyaukpyu ...	29·648	+·003	S 41 E	4·8	82·0	80·0	87·4	+1·2	91	77·8	+1·4	72	91	+ 1	7·6	22·87	-16·36	19	- 5·4	2·57
Akyab ...	29·638	+·005	S 71 E	5·6	81·2	78·7	86·4	+0·4	92	77·9	+0·4	75	89	- 3	9·0	42·00	-4·31	21	- 3·8	10·70
UPPER BURMA																				
Minbu ...	29·492	-·009	S 32 E	5·2	84·8	78·7	98·2	+3·9	104	79·3	+1·6	76	76	- 6	5·6	3·50	-2·25	8	- 1·9	0·75
Yamethin ...	29·057	+·016	S 3 E	5·8	81·6	77·1	91·6	+3·1	103	76·5	+1·1	73	80	- 2	6·0	3·61	-1·50	9	- 0·1	0·86
Mandalay ...	29·402	-·018	S 13 E	5·9	85·6	79·0	98·9	+4·1	107	81·6	+3·0	75	74	- 2	5·6	2·73	-2·79	6	- 1·3	0·90
Monywa ...	29·379	-·011	S 39 E	3·9	85·4	77·5	99·7	+5·9	107	80·8	+2·2	73	70	-10	5·9	4·20	-1·28	5	- 1·8	2·66
Lashio ...	26·921	+·032	S 25 W	3·2	75·2	71·4	85·7	+1·6	95	71·0	+1·2	66	83	- 3	6·7	5·44	-0·32	13	- 2·3	2·44
Bhamo ...	29·257	-·011	N 30 E	2·5	78·3	76·9	90·1	0	100	76·0	+1·5	73	91	0	9·4	20·88	+7·00	19	+ 0·4	2·68
Myitkyina ...	29·178	+·006	S 56 E	2·8	77·2	75·4	87·2	-0·6	100	74·8	-0·2	72	92	+ 2	9·3	32·55	+17·42	23	+ 3·7	4·70
ASSAM																				
Dibrugarh ...	29·270	-·006	N 25 E	2·3	77·7	75·9	86·3	-0·7	96	74·4	+0·2	70	91	- 1	7·6	27·11	+7·86	21	+ 1·5	7·96
Sibsagar ...	29·297	0	N 70 E	4·9	80·3	77·9	89·0	+0·3	97	76·5	+0·4	71	89	- 2	9·6	22·41	+8·20	18	+ 1·3	4·54
Tezpur ...	29·366	+·026	N 81 E	1·3	79·9	77·6	87·5	-1·3	95	76·2	-0·4	71	89	0	9·6	15·57	+4·57	21	+ 5·4	2·29
Gauhati ...	29·422	+·002	N 74 E	1·6	80·7	77·9	88·3	-1·2	96	76·9	+0·4	72	87	0	8·5	9·44	-4·39	11	- 5·1	1·68
Dhubri (*f*) ...	29·462	-·011	N 88 E	4·7	78·5	76·2	85·5	-0·4	93	74·4	-1·8	68	89	- 2	7·7	6·35	-14·57	11	- 3·9	2·45
Silchar ...	25·550	+·017	N 86 E	1·9	80·6	78·4	89·9	+0·5	97	76·7	+0·6	71	91	+ 2	8·8	23·65	+1·97	19	- 1·8	5·14
BENGAL																				
Cox's Bazar ...	29·686	+·021	S 28 E	4·0	83·1	79·4	88·4	+2·1	93	77·8	+2·0	73	85	- 4	6·0	15·34	-16·30	13	- 7·1	4·15
Chittagong ...	29·554	+·021	S 26 E	8·2	82·4	78·2	89·2	+2·4	93	78·0	+1·2	68	83	- 3	6·4	10·35	-10·44	10	- 6·6	3·62
Narayanganj ...	29·561	-·031	S 20 E	5·8	84·8	80·7	91·6	+2·7	97	79·7	+1·6	72	83	- 5	7·1	8·67	-4·26	11	- 3·8	2·56
Barisal ...	29·583	+·015	S 8 E	5·1	84·9	80·9	90·3	+1·7	96	80·1	+2·1	73	83	- 4	6·7	8·93	-7·40	10	- 7·2	2·54
Jessore ...	29·587	+·008	S 7 E	5·5	85·4	81·7	92·1	+1·2	97	79·3	+0·8	73	86	- 1	5·4	8·87	-3·80	11	- 3·3	2·24
Calcutta ...	29·536	+·008	S 1 W	3·9	85·5	82·2	95·3	+4·0	102	81·4	+2·6	76	85	0	6·2	6·02	-5·58	9	- 4·3	1·34
Saugor Island ...	29·538	+·002	S 9 E	14·9	86·5	82·6	93·0	+0·1	94	82·0	+0·9	74	84	0	7·7	12·01	+0·47	10	- 2·3	5·95
Burdwan ...	29·440	-·005	S 15 E	3·7	84·6	81·3	99·9	+6·9	110	73·9	+1·0	74	85	+ 1	3·9	3·98	-4·38	8	- 4·8	1·42
Berhampore ...	29·494	+·006	S 16 E	3·7	85·4	81·6	98·9	+6·8	112	79·8	+1·4	73	80	- 7	6·2	6·38	-4·66	12	- 0·3	1·89
Mymensingh ...	29·547	+·008	S 51 E	1·7	82·2	79·0	89·8	+2·3	95	77·4	+0·8	68	87	- 2	8·8	16·72	-1·99	16	- 2·2	2·15
Bogra ...	29·526	+·012	S 50 E	3·3	83·5	80·1	91·6	+2·3	98	78·8	+1·6	74	85	- 2	8·4	6·80	-7·43	7	- 7·7	1·81
Dinajpur ...	29·447	-·001	S 67 E	3·1	82·8	79·6	93·5	+3·1	104	77·7	+0·6	72	83	- 5	8·1	5·63	-8·42	9	- 5·1	2·30
Jalpaiguri ...	29·324	+·001	N 82 E	2·5	80·4	79·2	90·3	+1·7	96	75·5	-0·1	70	85	+ 6	9·0	27·62	+3·89	23	+ 5·1	3·22
ORISSA																				
Balasore ...	29·491	+·014	S 24 W	6·1	88·1	81·6	98·1	+5·5	112	81·2	+3·2	76	75	- 7	5·9	4·33	-5·74	6	- 5·6	2·51
Chandbali ...	29·541	...	S 39 W	9·2	86·8	81·8	98·7	...	112	80·8	...	66	80	...	5·2	4·21	...	7	...	1·65
Cuttack ...	29·475	+·008	S 61 W	3·4	87·8	80·6	102·8	+7·6	114	81·9	+2·1	76	73	- 6	6·1	5·73	-4·35	5	- 6·6	4·00
Sambalpur ...	29·071	+·036	S 5 W	3·5	88·1	77·4	103·5	+6·4	116	82·1	+1·5	73	60	-12	6·0	7·19	-3·73	7	- 4·0	2·86
CHOTA NAGPUR																				
Chaibasa ...	28·815	+·019	S 40 W	3·9	83·4	78·4	103·4	+9·5	115	81·3	+3·6	74	62	-16	5·1	3·09	-5·67	7	- 4·7	1·13
Ranchi ...	27·454	+·034	S 40 W	3·7	85·3	71·7	96·9	+12·3	108	77·3	+3·9	60	50	-37	4·5	7·74	-7·03	6	-11·5	3·35
Hazaribagh (*a*) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·97	-4·16	8	- 3·1	1·72

(*a*) Reports only rainfall. (*f*) Mean of 25 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BIHAR																				
Purnea ...	29·426	-·015	N 80 E	3·6	83·7	78·1	94·9	+2·4	106	79·2	+1·8	75	77	-10	5·3	2·87	-8·45	5	- 7·0	0·90
Darbhanga ...	29·374	-·009	N 88 E	6·1	85·2	79·1	100·2 (c)	+7·8	110	79·9	+1·2	72	70	-13	5·2	3·12	-4·61	2	- 7·0	2·88
Patna ...	29·347	-·001	N 87 E	4·2	88·1	80·0	104·0	+8·3	115	82·9	+3·1	76	69	- 8	4·1	0·51	-7·61	2	- 6·1	0·28
Gaya ...	29·156	+·007	S 27 W	3·0	94·1	75·9	107·2	+8·1	117	84·9	+4·2	76	41	-32	2·3	0·35	-6·74	3	- 5·2	0·35
Naya Dumka ...	29·058	+·008	S 15 E	3·3	86·1	78·0	100·1	+6·9	114	80·5	+2·4	75	72	- 8	4·1	5·44	-4·33	3	- 3·2	1·89
UNITED PROVINCES, EAST																				
Gorakhpur ...	29·267	-·009	N 88 E	3·6	88·2	78·7	...	...	...	80·7 (d)	+1·5	72	64	-13	3·6	2·62	-4·79	4	- 4·1	1·13
Benares ...	29·260	-·003	S 71 W	4·8	92·0	73·7	107·0	+6·7	115	84·4	+2·6	77	37	-31	4·6	2·22	-2·77	2	- 4·2	1·94
Allahabad ...	29·209	+·010	S 73 W	5·0	93·6	75·3	108·9	+6·8	117	85·2	+2·5	77	39	-22	3·9	2·71	-2·22	1	- 4·4	2·71
Cawnpore ...	29·093	0	N 31 W	3·4	93·6	73·9	105·4	+6·1	117	84·7	+2·0	74	37	-24	3·8	1·52	-1·50	3	- 1·4	1·49
Lucknow ...	29·146	+·002	N 14 E	3·4	92·0	77·3 (d)	103·2	+6·5	116	82·1	+0·5	71	43	-15	1·8	1·02	-3·45	3	- 2·5	0·64
Bahraich ...	29·112	-·004	S 64 E	4·6	88·9	75·9	104·8	+6·7	114	80·6	+0·9	70	53	-19	2·3	1·18	-4·64	2	- 4·8	1·34
UNITED PROVINCES, WEST																				
Jhansi ...	28·712	+·002	S 73 W	4·7	95·9	73·0	109·0	+5·2	115	86·4	+1·8	75	29	-26	2·7	0·72	-3·58	3	- 2·4	0·33
Agra ...	28·958	+·032	N 65 W	4·6	93·9	71·5	107·9	+2·3	115	83·2	-0·2	75	23	-15	1·0	0·77	-1·68	3	- 0·8	0·44
Mainpuri ...	28·992	+·001	N 59 W	4·7	94·6	75·0	109·8	+6·1	117	80·3	-2·4	72	37	-21	3·1	0·05	-2·43	0	- 4·0	0·03
Bareilly ...	28·951	+·002	S 73 E	3·1	88·8	73·5	107·0	+7·0	115	81·2	+1·0	73	45	-24	2·9	1·58	-3·66	1	- 4·3	1·50
Meerut (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·32	-2·81	2	- 1·8	0·16
Roorkee ...	28·628	+·002	S 40 E	4·2	89·2	70·7	105·8	+5·0	114	78·9	+0·1	70	37	-23	1·9	0·40	-4·52	2	- 3·5	0·21
Dehra Dun ...	27·349	+·003	N 68 W	2·0	83·0	67·7	99·8	+6·2	108	74·4	-0·1	66	43	-21	2·6	2·47	-6·32	4	- 5·7	1·59
PUNJAB, EAST AND NORTH																				
Delhi ...	28·828	+·019	N 77 W	4·5	92·0	73·0	107·8	...	115	82·3	...	73	37	...	2·7	0·09	-2·96	0	- 4·0	0·08
Hissar ...	28·856	+·030	N 85 W	4·5	91·8	...	106·4	-0·4	113	80·5	-2·9	72	...	...	1·4	0·14	-1·50	1	- 1·9	0·10
Ambala ...	28·624	+·004	S 49 W	4·3	91·8	70·3	106·5	+3·8	115	81·0	+0·7	70	30	-29	2·1	1·18	-2·57	2	- 3·0	0·75
Ludhiana ...	28·712	+·023	S 79 W	4·6	92·7	71·2	107·6	+2·9	115	78·7	-2·5	70	31	-21	1·7	0·35	-2·18	2	- 1·8	0·17
Lahore ...	28·817	+·035	N 83 W	2·0	92·5	72·6	107·5	+0·1	115	77·7	-2·8	70	33	-18	1·3	0·05	-1·63	0	- 2·9	0·03
Sialkot ...	28·689	+·027	N 45 W	1·4	91·7	71·5	106·8	+1·7	116	78·6	-2·1	67	34	-18	1·8	0	-2·46	0	- 3·6	0
Rawalpindi ...	27·879	+·022	N 64 E	3·2	92·1	67·3	104·1	+0·5	113	74·4	-1·3	65	23	-22	1·8	0·42	-1·82	1	- 2·5	0·38
PUNJAB, SOUTHWEST																				
Khushab ...	28·893	+·025	N 51 E	5·3	94·7	78·5	106·3 (c)	-1·0	115	82·0	-0·5	70	47	+ 5	1·5	0·70	-0·67	1	- 1·4	0·70
Lyallpur (c) ...	28·916	+·064	S 17 W	3·4	91·8	71·7	105·8	-0·3	114	79·7	-2·5	73	34	-15	2·0	0·49	-0·84	2	0	0·22
Montgomery ...	28·952	+·044	S 6 W	2·8	93·1	...	106·5	-2·2	114	79·3	-4·6	71	...	...	0·8	2·10	+1·31	4	+ 2·6	1·12
Multan ...	29·076	+·045	S 21 W	3·2	93·7	75·8	110·5	+2·2	117	84·0	-0·7	77	41	-10	2·4	0	-0·62	0	- 1·2	0
Bahawalpur ...	29·134	...	S 47 W	4·3	92·1	78·8	108·4	...	115	79·7 (c)	...	69	52	...	0·5	0·20	...	1	...	0·20
Khanpur ...	29·241	...	S 42 W	7·8 (g)	91·7	78·6	110·2	...	117	81·4	...	72	54	...	0·8	0·36	...	1	...	0·35
KASHMIR																				
Srinagar ...	24·753	+·051	S 26 E	2·2	65·1	59·1	84·2	-1·2	93	54·8	-2·6	47	70	-10	2·0	0·14	-1·34	0	- 3·6	0·05
Gulmarg (f) ...	21·808	+·045	N 24 E	3·2	60·2	52·3	67·3	-0·3	71	44·0	-0·6	39	59	-14	3·2	2·25	-1·20	8	- 0·7	0·41
Sonamarg (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·52	-1·12	5	- 2·7	0·63
Dras ...	20·776	+·053	S 56 W	4·6	52·4	44·4	66·4	-6·0	75	41·3	-0·8	35	56	- 3	2·4	0·44	-0·14	1	- 1·1	0·20
Leh ...	19·699	+·044	S 4 E	3·3	52·3	41·7	67·4	-4·7	77	41·9	-2·5	36	44	+ 2	3·4	0·16	-0·02	1	+ 0·3	0·14
Skardu ...	22·849	+·121	Calm	1·9	63·8	56·7	79·6	-1·5	98	53·9	-2·8	50	66	+19	3·0	0·25	-0·02	0	- 0·7	0·07
Gilgit ...	24·917	+·020	Calm	0·4	71·1	60·8	87·4	-5·6	107	62·6	-4·5	52	54	+ 9	3·3	0·69	+0·25	2	+ 0·8	0·20
NORTH-WEST FRONTIER PROVINCE																				
Peshawar (c) ...	28·390	+·039	N 63 W	3·0	91·5	70·2	104·2	-0·6	111	76·5	-0·8	67	31	+ 5	2·1	0·07	-0·99	0	- 1·0	0·04
Dera Ismail Khan ...	28·948	+·061	N 11 E	2·4	93·3	73·0	107·6	-0·2	113	80·0	-1·5	72	34	-20	2·3	0	-0·67	0	- 1·3	0
Miranshah (a) ...	26·640	...	Calm	3·8	87·2	65·7	98·3	...	103	75·1	...	65	28	...	0·3	0	...	0	...	0
BALUCHISTAN																				
Fort Sandeman ...	25·227	+·057	N 51 W	3·2	76·7	59·3	94·9	-5·1	101	69·7	-2·4	63	32	- 7	0·7	0·22	-0·59	1	- 0·7	0·20
Harnai (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·51	+0·10	2	+ 1·0	0·26
Quetta ...	24·566	+·060	S 43 E	5·1	70·4	56·7	90·5	-1·5	97	59·3	-2·8	51	41	+ 7	1·7	0·03	-0·12	0	- 0·4	0·03
Chaman ...	25·495	+·038	S 28 W	5·8	79·7	56·4	94·4	-4·5	102	69·6	-1·9	61	18	-16	0·9	0	-0·02	0	0	0
Kalat ...	23·639	+·039	S 9 E	6·7	67·4	55·5	87·2	-3·6	94	50·8	+0·7	46	46	+ 5	1·2	0·42	+0·20	1	+ 0·5	0·42
Dalbandin ...	26·882	+·057	W	4·6	80·2	61·9	103·0	-4·3	111	70·4	-2·5	63	31	+ 4	0	0	-0·02	0	- 0·1	0
Mirjawa ...	26·974	...	N 77 W	8·9	78·1	61·4	102·4	...	114	73·8	...	68	35	...	0·8	0·07	...	0	...	0·07

(a) Reports only rainfall. (c) Mean of 29 days. (d) Mean of 28 days. (f) Mean of 26 days. (g) Mean of 15 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIND																				
Jacobabad ...	29·330	+·063	S 13 E	4·6	93·7	76·6	111·6	-2·6	119	83·3	-1·4	76	44	-13	0·1	0·01	-0·19	0	-0·4	0·01
Hyderabad ...	29·475	+·075	S 46 W	6·8	89·6	79·3	106·4	+2·1	115	82·1	+0·2	78	61	- 2	0·8	0·07	-0·38	0	-0·7	0·07
Karachi ...	29·592	+·061	S 63 W	11·9	86·6	82·4	90·9	+0·2	92	83·3	+0·8	80	84	+ 4	4·4	0	-0·86	0	-0·6	0
RAJPUTANA, WEST																				
Bikaner ...	28·795	+·061	S 59 W	7·8	91·1	72·3	105·9	-1·1	112	84·8	-0·5	72	36	-18	1·2	0·42	-1·03	1	-1·4	0·42
Jodhpur ...	28·816	+·059	S 63 W	2·7	88·8	71·3	106·6	+2·8	114	85·9	+3·7	73	48	- 9	1·8	0·38	-1·07	1	-1·1	0·27
RAJPUTANA, EAST																				
Jaipur ...	28·180	+·048	N 67 W	4·1	91·3	71·2	107·9	+4·3	114	81·9	+0·4	73	29	-24	0·5	0·34	-1·96	1	-2·8	0·34
Ajmer ...	28·013	+·043	S 82 W	9·3	89·7	71·9	102·9	+2·3	110	83·5	+1·8	72	39	-22	1·6	0·15	-2·26	1	-1·5	0·15
Kotah ...	28·732	+·026	N 74 W	5·3	96·4	74·0	109·4	+1·4	115	85·5	+3·9	81	31	-18	3·1	0·23	-2·72	6	-4·1	0·09
Jhalrapatan ...	28·540	...	N 85 W	5·8	91·9	75·7	106·6	...	113	83·6	...	76	46	...	2·1	0·83	...	3	...	0·37
Udaipur (*b*) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·26	-2·04	3	-1·6	1·01
GUJARAT																				
Deesa ...	29·174	+·046	S 79 W	9·3	89·6	77·2	108·8	+6·6	116	83·2	+2·7	78	53	-15	3·4	0	-2·13	0	-3·1	0
Bhuj ...	29·281	+·059	S 65 W	9·1	86·4	80·4	100·5	+3·1	105	81·0	+1·1	78	76	+ 3	2·5	0	-1·79	0	-2·3	0
Dwarka ...	29·619	+·051	S 68 W	13·7	86·5	82·3	90·8	+1·6	92	84·1	+2·0	82	84	+ 3	4·1	0·03	-2·11	0	-2·3	0·03
Rajkot ...	29·219	+·048	S 75 W	12·3	86·3	78·2	104·3	+4·6	109	79·9	+2·1	76	68	- 5	5·1	1·93	-2·38	3	-2·0	0·93
Veraval (*c*) ...	29·661	+·055	S 87 W	10·0	85·7	81·3	87·9	+1·8	91	82·7	+1·5	78	81	- 1	4·6	0·11	-4·36	1	-3·3	0·11
Surat ...	29·640	+·038	S 37 W	6·3	87·1	80·2	96·8	+3·7	107	82·4	+2·8	78	72	- 6	6·0	0·64	-7·70	2	-6·0	0·39
Bhavnagar ...	29·612	+·091	N 81 W	6·7	88·5	78·6	103·8	+4·2	112	81·8	+1·6	76	63	-10	4·9	0·31	-3·85	1	-2·8	0·30
Ahmadabad ...	29·495	+·046	S 88 W	5·9	88·7	77·7	101·6	+3·3	110	83·0	+2·1	75	59	-11	3·2	0·05	-4·28	0	-5·1	0·05
CENTRAL INDIA, WEST																				
Neemuch ...	28·015	+·035	N 86 W	7·5	89·3	77·0	103·2	+4·8	109	80·9	+3·5	75	55	-13	2·8	0·45	-3·37	1	-4·0	0·22
Indore ...	27·823	+·025	N 76 W	6·5	85·8	72·4	100·1	+4·8	108	79·5	+3·9	71	50	-22	2·8	0·92	-4·78	4	-3·5	0·50
Bhopal ...	27·352	...	N 85 W	5·5	88·4	72·8	103·3	...	110	80·3	...	72	46	...	4·0	1·26	...	3	...	0·60
CENTRAL INDIA, EAST																				
Nowgong ...	28·732	+·029	S 66 W	3·5	93·8	76·1	109·0	+6·7	115	82·8	0	75	42	-15	2·8	2·41	-3·60	3	-3·1	1·54
Sutna ...	28·501	+·018	S 73 W	4·6	92·7	72·7	105·6	+6·9	114	82·6	+0·8	75	36	-20	4·4	1·73	-4·19	3	-3·4	0·64
BERAR																				
Akola ...	28·703	+·010	N 64 W	7·2	87·1	74·4	103·6	+4·8	114	82·3	+4·3	74	53	-12	3·4	1·26	-4·12	3	-5·0	0·53
Amraoti ...	28·496	+·008	S 78 W	7·3	86·7	73·6	103·1	+5·3	115	80·7	+3·3	72	53	-15	6·5	2·01	-4·51	6	-2·7	0·62
CENTRAL PROVINCES, WEST																				
Khandwa ...	28·584	+·016	N 86 W	9·4	87·8	75·5	104·2	+5·9	113	81·9	+3·1	74	54	-12	3·4	4·10	-1·32	7	0	1·62
Hoshangabad ...	28·513	+·013	S 75 W	3·1	89·6	74·6	105·1	+5·7	113	82·8	+3·4	71	46	-20	5·7	1·57	-4·60	4	-4·2	1·06
Sangor ...	27·785	+·018	N 76 W	5·8	89·5	70·0	103·6	+5·2	111	80·0	+1·9	70	35	-26	2·7	1·67	-4·80	6	-2·1	0·77
Jubbulpore ...	28·267	+·037	S 72 W	3·6	88·1	72·4	103·5	+5·5	112	79·7	+0·8	73	45	-16	4·6	3·61	-3·71	4	-5·0	2·10
Seoni ...	27·589	+·017	N 85 W	3·4	87·1	72·2	99·0	+4·2	111	77·1	+2·0	69	46	-18	5·4	5·77	-3·54	10	-1·5	1·08
Nagpur ...	28·579	+·009	N 65 W	5·0	87·7	74·2	103·1	+4·2	117	81·0	+2·0	73	51	-13	5·8	5·70	-3·25	8	-2·5	1·78
CENTRAL PROVINCES, EAST																				
Pendra ...	27·570	+·032	S 43 W	3·7	87·3	72·4	...	...	...	78·2	+2·2	69	46	-19	5·4	4·52	-4·01	7	-5·2	2·52
Raipur ...	28·600	+·008	S 41 W	3·9	88·4	74·5	104·0	+6·7	117	82·5	+3·7	74	51	-15	7·1	7·52	-1·49	7	-2·8	3·32
Kanker ...	28·286	...	S 67 W	4·4	86·8	75·1	100·4	...	115	79·8	...	71	57	...	6·6	6·42	...	10	...	2·00
Chanda ...	28·965	-·003	S 89 W	5·5	88·6	76·0	103·2	+4·2	117	82·3	+2·6	72	54	- 9	4·2	7·75	+0·09	9	-0·7	4·03
Jagdalpur ...	27·797	-·007	S 53 W	3·8	83·7	74·1	97·4	+7·1	111	76·9	+2·8	70	63	-12	4·7	1·32	-8·19	2	-9·9	0·69
KONKAN																				
Bombay ...	29·670	+·027	S 73 W	8·3	84·9	79·5	91·3	+3·0	95	81·3	+2·9	75	77	- 5	6·1	6·08	-12·23	8	-6·3	1·70
Ratnagiri ...	29·521	+·013	S 74 E	6·2	81·1	77·3	87·0	+0·3	91	77·2	-0·1	72	83	0	6·3	18·31	-10·51	19	-1·2	2·24
Marmagao ...	29·555	+·030	S 7 E	7·9	80·2	77·3	85·6	-1·0	89	75·9	-1·6	72	87	0	8·4	35·03	+5·44	24	+3·5	6·92
Karwar ...	29·709	+·009	S 82 W	3·9	79·9	77·1	85·8	+0·7	90	76·2	0	72	87	+ 2	6·6	35·59	-1·43	27	+4·0	4·50
BOMBAY DECCAN																				
Malegaon ...	28·239	+·023	S 82 W	6·7	86·2	74·1	100·7	+4·7	108	76·2	+1·1	56	55	-13	6·1	4·52	-0·01	5	-1·8	2·37
Ahmadnagar ...	27·563	+·020	N 72 W	6·0	81·3	71·9	96·2	+4·2	105	74·8	+2·9	71	62	-11	5·8	11·94	+7·12	8	+0·7	6·93
Poona ...	27·993	+·034	N 81 W	5·6	81·3	73·1	93·1	+4·1	100	75·3	+1·2	72	67	- 5	6·0	1·92	-2·85	4	-3·6	1·16
Sholapur ...	28·138	+·042	N 74 W	4·3	81·1	73·5	97·0	+3·4	109	75·3	+1·7	70	69	+ 1	4·1	4·59	-0·09	9	+2·4	1·07
Bijapur ...	27·785	+·027	S 87 W	6·9	78·6	72·8	93·8	+2·3	105	73·1	+1·1	70	74	- 1	6·9	7·25	+3·97	12	+6·5	2·37
Belgaum ...	27·217	+·028	S 59 W	4·9	74·0	70·5	84·4	+3·0	92	69·6	+1·4	66	84	- 2	7·4	3·43	-4·71	9	-4·5	1·60
HYDERABAD, NORTH																				
Aurangabad ...	27·803	+·017	N 80 W	9·4	82·2	72·5	98·3	+4·2	108	76·3	+3·5	69	62	- 8	7·2	2·05	-3·38	4	-3·5	1·22
Parbhani (*a*) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·05	-7·74	2	-6·5	0·91
Nizamabad ...	28·415	+·009	S 67 W	3·5	83·6	77·2 (*f*)	99·9	+2·8	115	79·0	+1·9	67	71	+ 6	5·6	5·97	+0·58	7	-1·3	1·82

(*a*) Reports only rainfall. (*c*) Mean of 29 days. (*f*) Mean of 26 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·201	+·020	S 79 W	8·8	79·6	73·2	96·9	+1·2	110	75·2	+1·1	70	72	9	6·1	4·13	−0·56	11	+3·8	1·06
Raichur ...	28·405	+·021	S 71 W	10·1	81·7	75·4	96·7	+1·5	107	76·9	+1·8	71	73	+ 4	2·0	4·50	+0·94	7	+1·0	1·75
Hyderabad ...	27·982	+·029	N 84 W	6·0	80·9	73·6	96·7	+2·2	111	74·2	−1·2	67	69	− 1	7·4	4·03	−0·56	7	+0·4	1·14
Hanamkonda ...	28·753	+·001	W	5·5	86·3	75·2	99·8	+3·2	115	81·0	+2·1	71	59	+ 2	6·4	12·39	+6·43	9	+1·0	3·49
MYSORE																				
Chitaldrug ...	27·364	+·015	S 66 W	7·6	75·6	71·1	89·0	+2·6	94	71·2	+1·2	68	80	+ 2	7·6	3·51	+0·67	5	−0·8	1·76
Bangalore ...	26·791	+·008	S 94 W	9·2	73·2	69·0	87·1	+2·2	91	68·6	+1·7	66	81	0	8·1	2·22	−0·67	6	+0·2	0·69
Mysore ...	27·287	+·006	S 60 W	7·6	73·6	70·0	86·3	+1·8	90	69·5	+1·4	67	84	+ 4	5·9	2·36	−0·57	6	−0·2	0·97
MALABAR																				
Mangalore ...	29·712	+·007	S 76 E	4·7	78·5	76·7	85·3	+0·1	89	75·4	+0·9	71	91	+ 4	9·3	31·05	−5·73	26	+1·4	3·76
Calicut ...	29·771	+·006	N 76 E	3·9	78·8	75·6	87·2	+2·9	92	75·9	+0·7	73	91	+ 1	9·0	25·44	−7·64	25	+0·9	4·30
Cochin ...	29·807	+·005	S 86 E	4·7	79·5	77·2	85·2	−0·1	88	76·0	+1·2	73	89	+ 3	8·4	23·75	−4·74	26	+1·8	3·09
Trivandrum ...	29·598	−·010	N 25 W	6·3	78·9	76·5	83·1	0	85	76·7	+1·1	75	89	+ 2	8·3	13·14	−0·25	22	+5·1	2·08
MADRAS, SOUTHEAST																				
Palamcottah (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−0·56	0	−1·4	0
Pamban ...	29·706	0	S 34 W	14·7	85·1	78·8	89·9	−0·2	93	81·4	+1·3	76	74	− 4	4·2	0	−0·13	0	−0·4	0
Madura ...	29·262	−·011	N 69 W	6·3	86·5	74·0	99·7	+1·0	105	80·6	+3·2	75	53	−10	0·7	0·27	−1·10	2	−0·3	0·12
Negapatam ...	29·603	+·002	S 74 W	6·9	86·6	76·3	98·9	+1·2	106	81·3	+1·8	75	80	− 6	6·5	0·20	−1·01	1	−1·3	0·23
Trichinopoly ...	29·467	−·011	S 62 W	8·2	85·8	75·2	99·0	0	103	80·5	+1·9	75	59	− 3	4·9	3·30	+1·59	4	+1·8	1·47
Coimbatore ...	28·403	−·003	S 36 W	3·2	79·4	72·4	89·6	+0·3	93	72·3	+1·5	70	70	−10	5·4	0·37	−1·29	1	−3·6	0·20
Salem ...	28·816	−·007	S 42 W	...	81·3	75·2	97·6	+2·3	102	76·7	+2·1	74	74	− 1	6·2	0·09	−2·02	3	−2·3	0·36
Cuddalore ...	29·663	−·006	S 56 W	6·0	83·4	77·9	99·8	+0·9	106	81·8	+1·7	76	61	− 6	5·5	1·23	−0·31	2	−0·7	0·85
Vellore ...	28·984	−·018	S 82 W	5·6	84·4	74·0	97·9	−0·5	104	79·9	+1·1	71	59	− 5	5·1	4·62	+2·27	5	+0·5	3·09
Madras ...	29·647	−·020	S 54 W	5·8	83·0	76·9	100·4	+1·4	108	82·4	+1·3	75	59	− 3	5·2	3·25	+1·36	4	+0·3	2·33
MADRAS, DECCAN																				
Cuddapah ...	29·279	+·010	N 54 W	5·8	86·0	77·4	99·5	−0·5	107	81·1	+0·7	75	66	+ 5	5·6	3·49	+0·56	9	+4·5	0·82
Bellary ...	28·248	+·011	N 88 W	6·9	81·4	73·1	94·0	−0·9	101	76·6	+0·7	71	66	+ 4	5·7	2·25	+0·38	5	+1·4	0·78
Kurnool ...	28·781	+·013	N 83 W	10·0	82·5	71·5	96·4	−·06	102	77·7	+0·4	71	67	− 1	7·4	5·18	+2·25	7	+1·4	2·10
MADRAS COAST, NORTH																				
Nellore ...	29·579	−·019	S 89 W	4·2	88·2	77·4	101·7	+0·4	110	83·4	+1·4	75	59	− 1	6·9	3·63	+2·41	7	+4·1	1·32
Masulipatam ...	29·607	−·026	S 86 W	5·7	87·2	78·3	98·4	+0·5	114	81·6	+1·1	74	65	−11	5·6	3·69	+1·18	7	+0·7	2·74
Cocanada ...	29·578	−·019	S 83 W	6·5	87·6	80·0	101·2	+3·3	113	82·9	+1·1	74	71	− 5	7·1	4·21	−0·60	5	−1·7	1·68
Vizagapatam ...	29·456	−·012	S 79 W	4·9	86·6	80·7	91·8	+2·6	101	82·7	+2·5	76	75	+ 2	6·6	3·69	−1·17	9	+2·2	1·54
Calingapatam ...	29·554	−·002	S 47 W	7·4	85·2	81·7	94·5	+1·8	103	82·6	+2·6	77	75	− 4	6·1	1·55	−3·17	5	−1·7	0·51
Gopalpur ...	29·5·9	+·005	S 16 W	9·6	87·1	83·4	92·5	+2·9	102	81·9	+1·5	75	85	+ 3	4·9	1·72	−4·10	5	−2·9	0·64
HILL STATIONS, EXCLUDING KASHMIR AND BALUCHISTAN																				
Maymyo ...	26·258	+·006	S 31 W	2·3	74·0	71·1	81·4	+3·5	87	68·5	+2·3	65	86	− 1	5·3	3·98	−4·84	10	−3·0	0·88
Shillong ...	24·957	+·014	S 53 W	3·3	69·6	65·2	75·4	+1·0	81	62·5	−0·5	58	81	− 2	9·0	44·37	+29·00	19	−0·4	10·29
Cherrapunji ...	25·510	+·010	S 28 W	6·8	67·5	66·8	73·2	+1·1	78	64·5	+0·5	62	85	+ 1	9·0	130·03	+43·11	23	−1·7	21·12
Darjiling ...	22·519	0	S 56 W	4·5	63·9	60·6	66·6	+0·4	70	57·0	+0·5	52	82	−12	7·6	16·84	−7·62	21	+0·2	3·16
Mukteswar ...	22·731	+·025	N 76 W	7·2	66·5	54·5	76·3	+2·8	84	61·7	+4·3	49	46	−28	2·7	1·61	−5·52	4	−6·9	0·82
Mussooree (c) ...	23·270	...	N 81 W	5·5	65·7	55·6	78·5	...	87	63·2	...	51	45	...	3·1	3·65	−12·26	2	−10·6	0·40
Simla ...	22·993	+·022	N 45 E	2·7	60·7	54·8	77·1	+2·1	85	62·1	+2·5	45	33	−21	1·3	1·22	−5·91	3	−6·9	0·78
Dharampore (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·69	...	2	...	0·54
Dalhousie (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·29	...	1	...	0·14
Murree ...	...	...	S 30 W	1·9	72·7	58·5	82·5	+1·1	90	63·6 (d)	+1·3	52	43	− 8	1·5	4·27	+0·41	4	−1·6	1·69
Cherat ...	25·518 (d)	+·041	N 14 W	8·8	77·3	58·6	91·1	−2·1	100	71·5	−1·7	62	30	−12	2·9	0·44	−0·91	2	−0·2	0·27
Parachinar ...	24·317	+·051	W	3·7	75·1	57·7	84·0	−3·9	91	61·6	−2·2	53	34	− 6	2·7	1·29	−0·84	5	+0·4	0·50
Drosh ...	...	...	N 79 E	2·5	69·4	57·3	85·0	−7·2	93	63·4	−5·0	54	48	+ 1	2·4	0·87	+0·23	2	+0·1	0·48
Mount Abu ...	25·874	+·062	S 72 W	6·6	78·1	64·6	87·9	+4·5	93	71·6	+3·1	66	47	−26	4·1	0·35	−4·87	1	−5·3	0·35
Pachmarhi ...	26·245	+·040	N 72 W	3·3	81·3	68·3	93·3	+5·9	102	72·3	+0·8	60	50	−21	9·2	3·56	−6·10	9	−1·7	0·93
Mercara ...	26·111	+·021	S 92 W	6·5	67·2	63·5	73·1	+0·9	78	64·5	+1·4	62	87	+ 3	7·9	13·26	−13·10	22	−1·7	1·95
Kodaikanal ...	22·740	+·027	N 84 W	6·8	61·8	55·1	67·0	+2·2	73	55·0	+2·5	52	67	− 7	5·8	3·49	−0·57	9	−0·9	1·09
Coonoor ...	23·373	...	N 73 W	2·1	69·0	61·4	74·1	...	82	59·0	...	55	64	...	6·8	2·21	...	5	...	1·15
CEYLON																				
Colombo ...	29·802	+·038	S 58 W	6·6	80·9	77·5	85·7	−0·4	87	77·6	+0·3	75	85	0	8·6	10·86	+2·95	24	+10·7	1·69

(a) Reports only rainfall. (c) Mean of 29 days. (d) Mean of 28 days. (e) Mean of 18 days.

Y. P. P.—S 1462—480—13-7-31

MONTHLY WEATHER REPORT

FOR

July 1931

Supplement to the Indian Daily Weather Report for the 17th August 1931

Published by order of the Governor-General in Council

Summary.—Normal monsoon during the month in the Peninsula, the central parts of the country, northwest India excluding Sind, Baluchistan and the North-West Frontier Province and in northeast India; also normal monsoon in Burma during the first fortnight.

The activity of the monsoon generally over the country during the first week of the month was associated with the passage of a depression through the central parts of the country from the Bay. The unsettled conditions at the head of the Bay of Bengal at the end of June lay as a depression over south Bengal on the 1st morning. The depression moved through the central parts of the country to the Punjab where it filled up on the 6th. Widespread and heavy rain fell along and near its track. Some of the notable falls of rain during the first week were Saugor Island 6″ and Veraval 9″ on the 1st, Surat 7″ and Bhavnagar 5″ on the 2nd, Sandheads 6″ on the 3rd, Sutna 5″ and Lahore and Dalhousie 4″ each on the 4th, and Murree 7″, Cawnpore 4″ and Gulmarg 3″ on the 5th. Heavy rain in Kashmir, in the first week, caused serious floods there, much damage being done to property.

During the second week, the activity of the monsoon was confined to Burma, northeast India and the Peninsula as far north as the Central Provinces. The activity of both the Arabian Sea and the Bay branches of the monsoon increased in northwest India and its neighbourhood after the 13th, so that during the third week of the month there was normal monsoon along the west coast of the Peninsula, from the United Provinces and the Punjab to Gujarat and in northeast India. The monsoon continued to be active in northeast India, along the hills of northwest India and in the plains of the Punjab and in the Peninsula as far north as Berar and the east Central Provinces during the last week, remaining weak in Lower Burma. Vigorous monsoon in the Konkan from the 12th to 15th and again from the 23rd to 25th caused considerable damage to the paddy crop in the Ratnagiri District.

It is reported that an abnormal rise in the level of the Brahmaputra river caused floods in east Bengal as a result of which much damage was done to property.

2. Rainfall was in large excess in Bihar, the southwest Punjab, Kashmir, Berar and the Konkan, in slight to moderate excess in Assam, Bengal, the east and north Punjab, Hyderabad and southeast Madras. It was normal in Lower Burma, Chota Nagpur, the east United Provinces, east Rajputana, Gujarat, west Central India, the west and east Central Provinces, the Bombay Deccan and Malabar, in slight defect in the North-West Frontier Province, west Rajputana, east Central India, Mysore and the north Madras coast and in moderate to large defect elsewhere. Averaged over the plains of India, the month's rainfall was in excess by 7 per cent.

3. Both maximum and minimum temperatures were below normal in the North-West Frontier Province, Kashmir and the Punjab from the 5th to 7th and from the 22nd to 27th. Maximum temperature was above normal in the United Provinces, the central parts of the country and northwest India on the 1st and 2nd, and in Rajputana, Gujarat and Central India on the last four days of the month. Both the mean maximum and minimum temperatures were below normal in the southwest Punjab and Kashmir; the maximum was above normal in the west United Provinces, Gujarat, Central India and the west Central Provinces.

Summary of the Local Conditions

Burma, including the Bay Islands.—Rainfall during the month was normal in Lower Burma and in moderate defect in the Bay Islands and Upper Burma. Other climatic elements were normal except for relative humidity which was in defect in the Bay Islands.

[Price 4 annas.]

Northeast India, including Orissa.—The month's rainfall was in moderate defect in Orissa, normal in Chota Nagpur, in moderate excess in Assam and Bengal and in large excess in Bihar. Other climatic elements did not differ largely from the normal.

The United Provinces, Central India and the Central Provinces.—The total rainfall for the month was in moderate defect in the west United Provinces, in slight defect in east Central India, normal in the east United Provinces, west Central India and the west and east Central Provinces and in large excess in Berar. Maximum temperature was above normal in the west United Provinces, Central India and the west Central Provinces and humidity in Berar.

Northwest India.—The month's rainfall was in large defect in Sind, in moderate defect in Baluchistan, in slight defect in the North-West Frontier Province and west Rajputana, normal in east Rajputana and Gujarat and in moderate to large excess elsewhere. Cloud proportion was less than usual in Baluchistan and above normal in Kashmir, where humidity was also in excess. Both maximum and minimum temperatures were below normal in the southwest Punjab and Kashmir and the maximum was above normal in Gujarat.

The Peninsula.—Rainfall was in large excess in the Konkan, in moderate excess in north Hyderabad and southeast Madras, in slight excess in south Hyderabad, normal in the Bombay Deccan and Malabar, in slight defect in Mysore and the north Madras coast and in moderate defect in the Madras Deccan. Other climatic elements did not differ largely from the normal except relative humidity which was in excess in Hyderabad.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 33 sub-divisions. Table III contains the monthly means of the 8 hrs. (local time) observations published in the Indian Daily Weather Reports; the divisional means, Tables I and II, are based on these observations.

POONA:
The 7th August 1931.

S. BASU,
for *Director-General of Observatories.*

Division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
Burma ...	21·11	24·14	−3·03	− 13	−0·1	+0·3	− 1	+0·7
Assam ...	23·09	16·96	+6·13	+ 36	−0·7	−0·2	+ 1	+1·1
Bengal ...	22·03	17·30	+4·73	+ 27	−0·7	−0·3	+ 1	+0·7
Bihar and Orissa ...	14·97	13·30	+1·67	+ 13	−0·8	−0·6	+ 2	+1·5
United Provinces ...	10·05	12·13	−2·08	− 17	+1·7	−0·2	− 1	+1·3
Punjab ...	7·61	5·32	+2·29	+ 43	−1·7	−2·2	− 1	0
North-West Frontier Province.	1·40	1·71	−0·31	− 18	−0·5	−1·7	− 3	+0·5
Sind ...	0·20	2·23	−2·03	− 91	+1·2	+1·5	− 3	−0·5
Rajputana ...	6·58	6·34	+0·24	+ 4	+0·7	+0·2	− 3	+0·1
Bombay ...	20·02	13·32	+6·70	+ 50	+1·1	+0·6	+ 1	+0·4
Central India ...	10·90	11·48	−0·58	− 5	+3·5	+0·7	− 1	−0·8
Central Provinces ...	13·54	13·29	+0·25	+ 2	+1·3	0	+ 2	+0·4
Hyderabad ...	9·40	7·35	+2·05	+ 28	−0·6	0	+ 5	0
Mysore ...	2·80	3·31	−0·51	− 15	+1·1	+1·0	+ 3	−0·2
Madras ...	7·03	7·15	−0·12	− 2	−0·7	+0·2	0	+0·7
Mean of India ...	12·94	12·10	+0·84	+ 7	+0·2	−0·1	0	+0·5

Sub-division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
1. Bay Islands ...	10·97	15·25	− 4·28	− 28	− 0·2	+0·4	− 7	+0·3
2. Lower Burma ...	32·76	34·79	− 2·03	− 6	0	+0·1	− 1	+0·6
3. Upper Burma ...	6·12	8·92	− 2·80	− 31	− 0·2	+0·6	− 2	+0·8
4. Assam ...	23·09	16·96	+ 6·13	+ 36	− 0·7	−0·2	+ 1	+1·1
5. Bengal ...	22·03	17·30	+ 4·73	+ 27	− 0·7	−0·3	+ 1	+0·7
6. Orissa ...	10·48	14·21	− 3·73	− 26	− 0·8	−0·3	+ 2	+1·7
7. Chota Nagpur ...	12·30	13·10	− 0·80	− 6	− 0·7	−0·8	+ 1	+1·7
8. Bihar ...	19·27	12·87	+ 6·40	+ 50	− 0·9	−0·8	+ 2	+1·2
9. United Provinces, East ...	10·82	11·60	− 0·78	− 7	+ 0·6	0	0	+1·3
10. Do. do. West ...	9·39	12·58	− 3·19	− 25	+ 2·8	−0·5	− 2	+1·2
11. Punjab, East and North ...	8·92	6·83	+ 2·09	+ 31	− 1·1	−1·9	− 3	−0·2
12. Do. Southwest ...	5·33	2·68	+ 2·65	+ 99	− 2·6	−2·6	+ 3	+0·3
13. Kashmir ...	4·45	1·70	+ 2·73	+161	− 7·3	−2·9	+10	+1·2
14. North-West Frontier Province ...	1·40	1·71	− 0·31	− 18	− 0·5	−1·7	− 3	+0·5
15. Baluchistan ...	0·53	0·96	− 0·43	− 45	− 1·9	−1·5	0	−0·7
16. Sind ...	0·20	2·23	− 2·03	− 91	+ 1·2	+1·5	− 3	−0·5
17. Rajputana, West ...	2·97	3·39	− 0·42	− 12	0	+0·4	− 3	−0·1
18. Do. East ...	8·39	7·81	+ 0·58	+ 7	+ 1·1	+0·1	− 3	+0·2
19. Gujarat ...	9·70	9·23	+ 0·47	+ 5	+ 2·7	+1·6	− 1	+0·2
20. Central India, West ...	10·07	9·38	+ 0·69	+ 7	+ 2·1	+0·5	− 1	−0·2
21. Do. do. East ...	11·73	13·58	− 1·85	− 14	+ 5·1	+0·8	− 1	−1·3
22. Berar ...	13·49	9·01	+ 4·48	+ 50	+ 0·3	+0·1	+ 7	−0·5
23. Central Provinces, West ...	13·92	14·07	− 0·15	− 1	+ 2·1	+0·1	0	+0·4
24. Do. do. East ...	12·99	14·27	− 1·28	− 9	+ 0·8	+0·3	+ 3	+0·8
25. Konkan ...	61·06	31·63	+29·43	+ 93	− 0·6	−0·9	+ 1	−0·3
26. Bombay Deccan ...	6·43	6·55	− 0·12	− 2	0	+0·2	+ 3	+1·1
27. Hyderabad, North ...	12·14	8·21	+ 3·90	+ 47	− 1·3	−0·2	+ 7	+0·7
28. Do. South ...	7·35	6·69	+ 0·66	+ 10	− 0·3	+0·1	+ 4	−0·3
29. Mysore ...	2·80	3·31	− 0·51	− 15	+ 1·1	+1·0	+ 3	−0·2
30. Malabar ...	24·73	21·40	+ 0·33	+ 1	+ 0·5	+0·2	+ 2	+0·2
31. Madras, Southeast ...	3·01	2·40	+ 0·61	+ 25	− 0·9	+0·6	− 2	+0·9
32. Do. Deccan ...	2·53	3·52	− 0·99	− 28	− 1·5	+0·3	− 1	+0·3
33. Do. Coast North ...	4·21	5·37	− 1·16	− 22	− 0·8	−0·4	+ 1	+0·9

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.	CLOUD.		RAINFALL.			
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	MEAN 8 H.		MAXIMUM.			MINIMUM.			Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal	Number of rainy days.	Departure from normal.	Heaviest fall in month.
					Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BAY ISLANDS																				
Port Blair ...	29·724	-·018	S 69 W	5·8	82·7	75·9	85·2	-0·2	87	77·9	+0·1	73	79	- 7	8·5	10·97	- 4·28	18	- 1·5	1 80
LOWER BURMA																				
Victoria Point ...	29·694	-·037	S 25 E	4·3	78·7	76·0	83·5	+0·1	85	75·3	+0·5	71	88	0	7·6	13·31	- 10·52	26	+ 3·5	3·00
Mergui ...	29·7..	-·034	...	...	79·3	75·7	84·5	+0·1	83	74·3	+1·0	70	94	+ 7	8·5	21·21	- 7 71	25	- 0·3	3·20
Tavoy ...	29·8.3	-·025	S 30 E	2·6	77·1	75·2	84·5	+1·2	89	75·6	-0·7	71	91	- 2	8·3	38·61	- 10·61	24	- 2·8	6·35
Amherst ...	29·72.	...	S 2 W	5·2	77·8	75·8	82·1	...	85	74·2	...	71	91	...	6·7	33·61	...	20	...	2·61
Rangoon ...	29·713	-·023	S 7 E	3·5	79·5	77·6	85·6	+0·3	90	78·0	+0·2	74	91	- 1	9·2	25·84	+1·52	27	+ 1·9	3·12
Bassein ...	29·721	-·026	S 31 W	3·2	79·5	77·4	86·3	+1·1	91	75·5	-0·6	73	91	- 2	8·8	21·87	- 2·85	25	- 0·9	2·52
Diamond Island ...	29·707	-·035	S 32 W	8·4	81·3	78 3	84·8	+0·2	88	77·3	+0·8	74	87	+ 1	8·3	29·51	+4·07	21	+ 0·7	4·88
Gwa ...	29·730	...	S 31 E	3·6	78·6	77·4	84·4	...	88	75·3	...	71	91	...	3·3	47·65	...	28	...	5·94
Toungoo ...	29·693	-·035	...	...	78·0	75·9	85·5	-1·4	92	74·6	6	72	91	0	9·8	21·23	+3·59	27	+ 2·6	2·74
Kyaukpyu ...	29·677	-·025	S 35 E	5·1	79·5	77·7	84·3	-0·7	87	75·8	-0·2	73	93	+ 1	8·9	61·31	+16·95	30	+ 3·4	8·99
Akyab ...	29·652	-·027	S 21 E	10·8	79·6	77·7	83·5	-1·1	86	76·3	-0·7	74	91	- 3	9·7	40·85	- 4·05	30	+ 2·4	4·32
UPPER BURMA																				
Minbu ...	29·608	-·041	S 27 E	6·2	81·9	78·5	92·0	+1·1	95	77·8	+0·4	76	77	- 6	6·7	1·06	- 2·92	6	- 3·2	0·36
Yamethin ...	29·674	-·016	S 1 E	3·4	78·9	77·3	88·9	+0·2	94	74·7	-0·2	72	81	0	8·7	2·01	- 1·81	5	- 4·3	0·71
Mandalay ...	29·410	-·050	S 4 E	3·4	83·3	76·9	95·5	+0·8	99	80·1	+1·5	76	73	- 2	7·3	0·73	- 2·56	3	- 2·7	0·35
Monywa ...	29·281	-·041	S 35 E	4·8	82·2	76·5	95·7	+1·3	101	73·2	+0·1	76	76	- 4	8·5	0 85	- 1·83	3	- 1·9	0·32
Lashio ...	26·076	-·034	S 18 W	4·1	73·1	70·0	80·5	-2·6	87	70·7	+0·7	69	86	- 2	9·6	5·47	- 6·53	16	- 1·6	0·71
Bhamo ...	29·275	-·039	N 32 W	1·2	78·7	76·9	86·4	-1·8	91	76·3	+1·4	74	92	- 1	9·3	15·64	- 0·84	22	+ 2·3	3·43
Myitkyina ...	29·148	- 032	S 56 E	3·0	77·2	74·6	84·6	...	91	73·5	0	74	94	+ 2	10·0	16·12	- 3·05	23	+ 1·7	2·17
ASSAM																				
Dibrugarh ...	29·248	-·038	N 55 E	2·8	76·4	77·1	86·0	+0·2	95	75·1	0	72	88	- 1	7·7	26·97	+5·16	25	+ 2·9	3·23
Sibsagar ...	29·278	-·021	S 15 E	3·3	77·9	76·6	91·4	+1·2	96	77·5	-0·2	73	89	- 3	10·0	13·97	+2·56	25	+ 5·5	2·27
Tezpur ...	29·349	+·013	S 88 E	1·2	80·2	78·5	88·8	+0·1	92	77·3	-0·1	71	93	+ 2	9·6	18·11	+3·68	18	+ 0·5	2·19
Gauhati ...	29·305	+·001	N 45 E	1·7	81·1	78·8	88·3	+0·2	92	78·5	+0·3	75	91	+ 3	9·5	20·69	+9·25	20	+ 5·1	3·66
Dhubri ...	29·138	-·017	S 76 E	2·8	82·2	79·8	84·2	-1·7	89	77·2	-1·3	74	93	+ 2	8·4	20·93	+12·48	19	+ 2·9	4·79
Silchar ...	29·503	+·021	N 7 E	0·4	82·3	78·1	88·8	+1·2	96	75·8	-0·4	73	91	+ 1	9·3	23·37	+3·62	28	+ 5·4	1·21
BENGAL																				
Cox's Bazar ...	29··37	+·033	S 2 E	4·9	79·7	78·7	84·5	-1·1	87	76·2	-0·2	72	88	+ 4	9·3	31·16	+16·27	28	+ 5·9	7·61
Chittagong ...	29·546	+·030	S 13 E	10·2	79·1	77·1	85·0	-0·3	88	77·2	0	73	89	0	8·7	41·98	+15·28	21	+ 5·1	5·69
Narayanganj ...	29·714	+·014	S	5·8	80·4	79·2	87·6	-0·6	90	78·8	-0·1	77	87	- 2	9·2	11·37	- 1·11	19	+ 1·8	1·65
Barisal ...	29·547	+·013	S 2 W	3·6	81·1	79·6	88·0	-1·4	92	77·7	-0·8	73	89	0	8·5	11 05	- 0·65	28	+ 7·6	1·53
Jessore ...	29·531	+·015	S 2 W	4·7	81·8	79·6	89·2	-2·9	90	78·1	-0·8	75	91	+ 3	7·2	11·31	+2·12	21	+ 3·7	1·79
Calcutta ...	29·539	+·012	S 2 W	3·6	82·1	80·0	89·3	+0·7	93	79 3	+0·6	75	89	+ 1	9·2	13·70	+1·10	16	- 1·8	3·12
Saugor Island ...	29·535	+·017	S 18 W	14·5	82·6	79 8	86·1	-1·7	91	79·2	-1·0	77	87	0	9·1	29·12	+13·47	21	+ 5·2	6·24
Burdwan ...	29·450	-·032	S 2 W	3 0	80·6	78·6	90·0	-0·1	94	78·4	-0·8	76	82	+ 6	6 5	10·49	- 2·03	17	+ 1·3	2·18
Berhampore ...	29·462	+·012	S 9 E	3·6	82·3	81·1	93·7	+1·1	94	78·5	-0·1	73	91	+ 1	8·6	14·74	+3·89	18	+ 2·1	3·04
Mymensingh ...	29·521	+·032	S 35 E	1·8	80·9	79·9	87·4	-0·1	91	78·3	0	76	91	+ 1	9·5	13·49	+2·03	21	+ 1·2	4·05
Bogra ...	29·503	+·037	S 22 E	3·3	81·5	79·3	88·8	-0·1	92	78·6	+0·1	77	91	+ 2	9·9	20·25	+7·19	22	+ 5·4	2·99
Dinajpur ...	29·479	-·034	S 45 E	2·5	81·4	78·9	87·8	-1·5	92	77·9	-0·8	73	83	- 1	8·1	13·97	- 1·55	16	- 1·1	5·35
Jalpaiguri ...	29·230	-·005	N 72 E	2·6	83·5	79·4	87·8	-0·7	93	77·3	+0·2	74	93	+ 3	8·6	33·08	+2·70	26	+ 4·1	4·55
ORISSA																				
Balasore ...	29·432	+·027	S 37 W	6·1	81·9	79·1	87·6	-1·5	94	78·6	+0·2	75	87	+ 1	9·6	5·17	- 5·73	10	- 4·1	1·31
Chandbali ...	29·556	...	S 54 W	7·1	81·7	79·2	87·6	...	91	77·3	...	74	89	...	6·8	5·39	...	15	...	1·53
Cuttack ...	29·488	+·030	S 66 W	2·7	81·9	78·7	88·7	-1·3	94	77·9	-0·7	75	87	+ 4	8·1	9·89	- 1·82	11	- 1·5	2·18
Sambalpur ...	29·085	+·024	S 47 W	4·5	79·8	76·7	88·1	+0·4	96	76·9	-0·4	72	87	+ 2	9·6	16·33	- 3·63	18	- 1·4	2·81
CHOTA NAGPUR																				
Chaibasa ...	29·503	+·020	S 48 W	3·1	80·7	76·7	89·5	-0·9	95	76·7	-0·8	72	83	+ 1	9·7	11·53	- 0·56	16	+ 0·6	2·57
Ranchi ...	27·418	+·020	S 24 W	4·7	76·8	74·1	84·2	-0·4	91	72·7	-0·8	70	83	+ 2	9·5	13·98	- 0·79	21	+ 3·5	1·93
Hazaribagh (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11·33	- 1·05	21	+ 6·6	1·46

(a) Reports only rainfall.

(r) Mean of 14 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.			
					MEAN 8 H.		MAXIMUM.			MINIMUM.									
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BIHAR																				
Purnea ...	29·412	-·004	S 63 E	2·6	81·3	75·3	87·6	-2·1	92	78·1	-0·7	75	91	+1	8·2	21·21	+6·37	21	+4·2	4·31
Darbhanga ...	29·354	-·007	S 73 E	5·2	81·4	75·3	87·6	-1·9	96	78·3	-1·2	73	91	+4	9·2	22·81	+11·20	16	+1·8	3·95
Patna ...	29·335	+·006	S 84 E	4·5	82·2	76·6	90·5	0	96	75·9	-0·9	70	89	+3	9·4	19·05	+7·14	20	+6·1	3·63
Gaya ...	29·142	+·004	S 41 W	2·9	83·6	76·3	92·0	0	101	78·5	-0·5	74	81	-1	6·6	14·62	+1·02	20	+4·5	2·89
Naya Dumka ...	29·046	+·011	S 5 E	3·1	80·7	78·2	89·2	-0·3	94	77·3	-0·6	71	89	+8	8·5	10·17	+5·69	20	+2·1	2·72
UNITED PROVINCES, EAST																				
Gorakhpur ...	29·249	-·036	S 88 E	3·7	81·7	72·2	90·4	-0·6	103	76·9	-2·1	69	80	+2	9·1	12·62	-0·91	17	+2·8	2·48
Benares ...	29·250	0	S 16 W	1·1	83·1	79·1	93·0	+0·8	106	80·1	+0·4	71	84	+1	8·9	10·78	-0·85	11	+0·1	3·01
Allahabad ...	29·192	+·004	S 13 E	4·9	84·4	79·9	94·0	+1·2	109	80·5	+1·0	77	81	+1	8·8	7·71	-4·00	10	-2·7	3·26
Cawnpore ...	29·071	-·031	S 15 E	2·9	84·5	79·5	91·5	+0·7	110	80·7	+0·4	74	79	-1	5·8	9·81	-0·71	11	-1·3	3·05
Lucknow ...	29·123	-·006	S 40 E	3·5	84·0	77·6	91·1	+1·7	104	80·3	+0·5	77	81	-1	7·9	5·56	-5·59	15	+1·0	0·85
Bahraich ...	29·095	-·021	S 71 E	1·9	83·2	78·1	91·9	-0·2	101	78·7	-0·3	71	83	0	7·2	18·53	+7·12	13	+1·0	5·84
UNITED PROVINCES, WEST																				
Jhansi ...	28·875	-·018	S 78 W	1·7	85·2	78·4	96·4	+3·0	113	80·2	+0·8	75	72	-6	7·0	16·25	-0·62	15	-3·4	3·43
Agra ...	28·921	-·018	S 80 W	5·0	85·0	79·3	97·1	+2·1	113	80·9	+0·7	77	70	0	6·5	4·87	-4·25	8	-3·4	1·65
Mainpuri ...	28·982	-·014	S 8 E	3·2	85·3	80·1	97·3	+2·7	113	77·8	-2·5	72	79	+1	7·4	6·42	-0·88	12	+2·0	1·41
Bareilly ...	28·935	+·005	S 78 E	2·5	83·5	78·6	95·2	+2·9	109	78·6	-0·3	68	79	-5	5·2	9·56	-4·63	11	-1·5	2·23
Meerut (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4·62	-1·47	8	-1·9	1·36
Roorkee ...	29·099	-·005	S 42 E	3·9	81·2	76·7	88·9	+1·7	113	77·3	-0·8	70	81	+1	7·3	10·66	-1·45	14	+2·1	5·58
Debra Dun ...	27·316	-·016	S 31 E	1·3	77·4	73·2	89·5	+3·6	105	73·2	-0·7	68	82	-3	8·9	15·93	-6·66	20	+9·1	3·11
PUNJAB, EAST AND NORTH																				
Delhi ...	28·783	-·015	S 23 W	4·5	86·2	73·5 (d)	94·4	...	113	79·7	...	71	72	...	6·8	10·12	+2·69	6	-2·9	1·51
Hissar ...	28·745	-·007	S 20 E	5·4	85·5	75·2	95·0	+2·6	111	79·6	-2·8	71	70	+4	3·1	6·14	+2·38	8	+2·7	1·61
Ambala ...	28·856	-·015	S 81 E	4·1	84·4	77·4	97·8	+2·4	111	76·5	-0·6	70	71	-8	5·2	12·66	+5·58	11	+1·3	4·80
Ludhiana ...	28·891 (b)	-·011	S 15 E	5·7	85·6	77·1	97·7	+0·1	114	78·6	-1·0	71	66	-6	5·1	8·63	-1·61	11	+2·7	2·72
Lahore ...	28·797	+·002	S 66 E	2·3	85·2	78·5	97·1	-3·6	113	78·4	-2·3	69	74	+5	4·6	9·77	+1·29	8	+5·2	3·65
Sialkot ...	28·646	-·003	N 84 E	2·0	84·6	77·1	96·2	-1·6	113	77·0 (c)	-2·6	68	79	-2	3·3	7·75	-0·11	9	+0·6	2·15
Rawalpindi ...	27·878	-·005	S 59 E	2·4	84·3	76·4	95·1	-1·8	110	74·5 (c)	-3·2	67	78	-10	3·3	9·01	+1·55	8	-0·7	2·00
PUNJAB, SOUTHWEST																				
Khushab ...	28·841	-·011	N 57 E	7·5	87·3	79·1	99·5	-2·8	113	80·1	-2·4	70	69	+6	2·7	2·81	-0·80	5	+5·6	1·10
Lyallpur ...	28·882	+·013	S 81 E	3·6	85·3	77·9 (d)	97·7	-4·5	111	78·9	-3·4	70	68	+3	3·8	5·01	+3·05	7	+3·5	2·57
Montgomery ...	28·853	-·002	S 13 E	3·6	85·6	78·7 (d)	99·1	-4·8	112	80·6	-3·3	71	69	+11	3·1	7·54	+5·22	7	+3·9	4·00
Multan ...	28·805	+·001	S 5 E	4·3	86·0	78·1	100·0	+1·6	117	82·5	-1·2	73	56	-8	3·4	3·91	-0·91	3	+0·5	0·91
Bahawalpur ...	28·764	...	S 35 W	3·0	89·1	80·3	104·3	...	112	83·1	...	73	68	...	2·5	0·66	...	1	...	0·66
Khanpur (c) ...	28·164	...	S 27 W	7·3	86·6	80·2	107·3	...	115	83·3	...	77	64	...	3·0	0·07	...	0	...	0·05
KASHMIR																				
Srinagar ...	24·865	+·028	S 41 E	1·9	66·5	63·1	81·2	-6·1	93	41·0	-2·9	53	82	-2	5·3	6·67	+4·25	5	0	2·61
Gulmarg ...	24·728	+·008	N 41 E	2·9	60·5	55·4	75·9	-4·1	73	47·9	-2·5	34	77	+2	5·7	8·59	+3·09	13	+4·2	3·05
Sonamarg (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8·89	+5·22	15	+5·0	3·00
Dras ...	23·631	+·014	S 59 W	4·5	68·1	58·5	84·6	-7·9	89	47·2	-1·0	39	69	+9	4·5	2·52	+2·33	8	+6·6	1·55
Leh ...	19·619	+·032	S 3 E	2·2	73·8	45·6	89·7	-7·2	93	49·2	-3·9	41	89	+6	5·4	0·25	-0·21	1	-0·2	0·12
Skardu ...	22·721	+·070	Calm	0·8	69·5	60·2	89·6	-6·2	93	55·2	-3·4	52	71	+24	4·8	1·23	+0·76	2	+1·0	0·85
Gilgit (a) ...	24·524	-·022	Calm	0·1 (c)	71·1	61·2	84·3	-12·4	96	65·2	-6·8	55	68	+21	4·7	2·15	+1·07	5	+2·4	1·03
NORTH-WEST FRONTIER PROVINCE																				
Peshawar ...	28·357	-·014	N 29 E	3·3	85·9	71·0	102·0	-0·2	112	75·5	-1·3	71	59	+4	3·8	0·55	-0·86	2	0	0·25
Dera Ismail Khan ...	28·377	+·012	N 10 E	2·3	88·7	77·5	102·5	-0·8	111	80·6	-2·1	72	69	-10	2·0	2·42	+0·54	2	-0·7	1·25
Miransbah ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
BALUCHISTAN																				
Fort Sandeman ...	25·112	+·008	N 62 E	2·7	76·0	65·5	97·3	-2·8	103	71·0	-2·8	62	53	-4	0·3	0·75	-1·31	2	-1·6	0·56
Harnai (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·39	-1·10	5	+0·1	0·85
Quetta ...	24·454	+·014	S 35 E	5·1	73·6	61·5	94·6	+0·9	100	66·4	-1·7	53	51	-2	1·0	0·05	-0·68	0	-1·3	0·05
Chaman ...	25·370	-·023	S 22 W	4·2	82·7	62·3	98·8	-2·3	104	74·7	-0·4	68	20	-8	0·2	0	-0·09	0	-0·2	0
Kalat ...	23·546	+·002	S 19 E	6·0	69·2	56·4	90·6	-2·3	95	56·4	+0·6	49	14	-3	1·2	0·01	-0·58	0	-1·3	0·01
Dalbandin ...	27·748	-·006	S 64 W	5·0	80·8	67·0	108·5	-2·8	111	72·5	-3·4	66	46	+17	0·3	0	-0·04	0	-0·2	0
Mirjawa ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days. (d) Mean of 28 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIND																				
Jacobabad ..	29·235	-·002	S 49 E	8·9	91·1	79·2	107·8	-0·3	115	85·7	+2·3	81	57	- 9	1·1	0·01	-0·88	0	-1·3	0·01
Hyderabad ...	29·333	-·001	S 54 W	8·1	88·6	79·3	102·3	+3·1	111	82·8	+1·7	77	61	- 4	3·0	0·41	-2·44	1	-2·0	0·35
Karachi ...	29·199	-·007	S 76 W	13·5	85·2	82·1	88·9	+1·5	93	82·7	+1·8	79	87	+ 4	8·1	0·19	-2·75	1	-1·4	0·18
RAJPUTANA, WEST																				
Bikaner ...	28·732	+·029	S 56 W	7·8 (b)	85·1	78·4	99·1	-2·0	108	81·9	-1·0	85	64	- 1	3·2	5·01	+1·91	7	+2·3	2·02
Jodhpur ...	28·711	-·003	S 46 W	4·1	85·5	76·1	100·5	+2·0	107	82·1	+1·8	72	63	- 6	6·9	0·82	-2·77	2	-2·8	0·55
RAJPUTANA, EAST																				
Jaipur ...	28·115	+·075	N 83 W	3·8	84·0	76·1	99·6	+0·8	110	75·5	-0·1	68	70	- 4	5·3	9·72	+1·70	12	+1·7	2·75
Ajmer ...	27·987	+·091	S 72 W	9·0	81·6	71·4	93·2	+1·1	100	75·8	+0·6	68	71	- 6	6·8	5·36	-0·50	7	-1·8	2·57
Kotah ...	28·629	+·007	N 88 W	5·1	85·3	77·7	95·9	+1·2	110	82·2	-0·3	74	70	0	5·5	12·65	+3·15	13	+2·5	3·11
Chittorgarh ..	28·485	...	S 75 W	9·0	84·8	75·6	98·4	...	105	77·2	...	71	70	...	7·3	10·78	...	16	...	2·06
Udaipur (c) ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·21	-2·01	11	+1·6	1·03
GUJARAT																				
Deesa ...	29·081	-·001	S 59 W	10·6	84·2	75·2	99·9	+0·8	106	80·7	+2·6	75	75	- 5	8·1	1·88	-7·12	7	-3·1	0·32
Bhuj ...	29·181	-·007	S 67 W	9·6	84·0	80·2	94·7	+2·8	102	80·0	+2·7	74	81	+ 1	6·3	0·78	-5·85	2	-4·2	0·65
Dwarka ...	29·522	-·010	S 70 W	17·4	84·7	79·8	89·5	+1·0	92	83·6	+2·2	77	79	- 1	8·6	8·41	+2·11	3	-3·7	5·55
Rajkot ...	29·182	-·009	S 66 W	13·2	83·1	78·1	93·6	+1·2	101	75·4	+2·3	70	70	- 3	5·2	0·25	-1·65	8	-2·5	1·35
Veraval ...	29·5·6	+·033	S 77 W	13·5	83·0	80·4	89·5	+2·0	91	80·7	+1·0	75	80	+ 1	8·5	12·95	+6·19	16	+1·8	8·96
Surat ...	29·209	-·005	S 23 W	6·2	84·1	79·0	88·2	+0·7	94	75·3	+0·6	73	80	+ 4	8·8	26·23	+3·53	18	+2·3	7·36
Bhavnagar ...	29·363	-·001	S 82 W	6·1	83·8	79·6	94·6	+1·3	101	78·9	+0·8	73	77	- 2	7·7	12·99	+6·27	11	+2·2	5·05
Ahmadabad ...	29·416	-·005	S 70 W	6·5	84·3	78·7	96·3	+2·2	102	79·5	+1·3	71	77	- 4	8·1	9·07	-6·16	10	-1·9	1·21
CENTRAL INDIA, WEST																				
Neemuch ...	27·991	+·009	S 84 W	9·2	79·7	75·5	90·3	+2·2	103	74·0	+0·4	71	83	0	6·9	8·10	-0·79	6	-2·4	3·22
Indore ...	27·977	0	S 87 W	6·9	77·0	73·4	87·2	+1·3	101	73·4	+0·6	70	81	- 1	8·5	12·05	+2·15	15	+2·4	3·50
Bhopal ...	27·940	...	S 81 W	6·3	78·5	74·5	89·2	...	105	74·1	...	70	83	...	8·2	15·66	...	16	...	4·11
CENTRAL INDIA, EAST																				
Nowgong ...	28·719	0	S 59 W	5·1	84·5	80·2	93·7	+0·6	101	73·6	+0·9	71	83	+ 2	6·2	10·75	-2·72	11	-2·7	3·85
Satna ...	28·472	+·005	S 63 W	5·9	82·6	77·0	93·0	+5·1	103	75·3	+0·7	74	77	- 5	6·5	12·71	-0·98	12	-3·0	5·40
BERAR																				
Akola ...	28·848	+·035	W	7·5	79·3	75·0	89·2	+0·5	103	73·0	+0·3	71	85	+ 7	6·1	9·51	+0·27	16	+4·0	3·11
Amraoti ...	28·831	+·034	S 65 W	8·2	79·0	74·5	87·9	0	102	73·0	0	70	89	+ 6	8·7	17·45	+8·69	17	+4·9	4·26
CENTRAL PROVINCES, WEST																				
Khandwa ...	28·570	+·005	S 72 W	5·2	79·2	75·1	90·1	+2·0	102	73·0	-0·5	71	83	+ 3	8·1	15·15	+6·81	15	+4·0	4·02
Hoshangabad ...	28·561	+·003	N 88 W	5·0	79·6	75·6	89·5	+2·1	103	75·5	+0·5	71	87	+ 1	9·6	16·24	+1·05	17	+2·2	3·84
Saugor ...	27·731	+·021	W	6·3	77·9	73·8	89·1	+1·9	106	73·0	-0·1	70	82	- 2	7·3	12·83	-1·11	16	+0·6	4·19
Jubbulpore ...	28·254	+·078	S 77 W	4·9	79·4	77·3	85·6	+2·9	106	75·9	+0·5	73	83	- 2	7·5	8·18	-9·44	13	-4·2	1·62
Seoni ...	27·933	+·073	S 71 W	4·2	77·3	71·9	85·6	+1·8	100	72·9	+0·5	70	84	- 1	8·6	12·90	-2·21	16	-1·7	1·80
Nagpur ...	28·574	+·012	N 50 W	5·2	78·2	74·5	88·3	+0·2	101	74·2	-1·1	70	85	+ 3	8·0	17·54	+4·00	19	+2·8	2·36
CENTRAL PROVINCES, EAST																				
Pendra ..	27·853	+·011	S 27 W	4·2	77·4	73·0	89·4 (a)	+1·5	83	73·1	-0·7	69	84	0	7·1	14·50	+1·52	20	+3·2	3·43
Raipur ...	28·631	+·036	S 63 W	6·4	78·2	75·1	88·6	+1·7	102	77·4	+0·4	71	87	+ 1	9·0	11·04	-2·50	11	-4·4	3·10
Kanker ...	28·289	...	S 69 W	5·2	78·4	74·7	89·3	...	91	76·1	...	71	85	...	8·6	12·15	...	12	...	2·80
Chanda ...	28·257	-·022	S 43 W	6·5	79·0	78·0	88·6	-0·2	95	75·9	-0·8	72	86	+ 7	7·0	15·78	-0·31	15	+2·6	2·08
Jagdalpur ...	27·815	-·005	S 45 W	4·1	77·1	72·6	88·7	-0·2	89	72·0	0	69	80	+ 2	8·8	9·75	-3·63	18	+0·6	1·35
KONKAN																				
Bombay ...	29·625	-·030	S 84 W	8·7	83·5	78·2	85·4	0	93	78·4	-0·4	73	89	+ 3	9·3	47·50	+23·21	30	+8·7	6·47
Ratnagiri ...	29·631	-·031	S 63 W	4·1	79·2	78·6	82·7	-1·2	88	77·9	-1·7	72	89	+ 2	8·1	78·25	+45·30	31	+5·7	8·10
Marmagao ...	29·516	+·013	S 61 W	12·7	80·9	77·1	88·1	-0·7	89	75·1	-0·9	70	87	- 3	8·1	57·17	+25·04	29	+3·5	5·31
Karwar ...	29·719	+·007	S 85 W	4·1	79·2	78·6	82·6	-0·5	86	74·7	-0·5	72	89	+ 2	6·9	51·30	+23·21	30	+3·0	9·61
BOMBAY DECCAN																				
Malegaon ...	28·245	+·007	S 72 W	5·5	78·0	73·7	89·1	+0·8	95	73·4	-0·1	71	73	+ 2	9·8	4·15	-0·65	9	+1·9	1·01
Ahmadnagar ...	27·881	+·009	S 71 W	9·1	79·4	71·7	85·2	-0·4	90	70·8	+0·3	69	81	+ 5	9·0	5·25	+1·47	14	+7·2	0·68
Poona ...	27·850	+·007	N 87 W	7·7	78·1	72·1	84·1	-0·7	86	71·5	-0·4	70	82	+ 2	8·9	5·17	-1·54	18	+5·7	0·92
Sholapur ...	28·118	+·011	S 56 W	5·8	77·5	72·8	88·7	+0·7	98	72·5	+0·5	71	80	+ 5	5·2	3·10	-1·22	8	+0·5	0·88
Bijapur ...	27·759	+·014	S 76 W	8·6	75·2	71·4	85·8	-1·0	91	70·8	0	69	82	+ 3	8·7	1·83	-0·43	5	+0·5	0·51
Belgaum ...	27·991	+·017	S 67 W	5·0	76·5	69·2	76·7	+0·6	81	68·9	+0·8	66	92	- 1	9·1	18·75	+2·60	21	+2·4	2·65
HYDERABAD, NORTH																				
Aurangabad ...	27·775	+·009	S 63 W	10·0	74·8	72·2	85·3	-1·4	90	71·2	+0·5	68	88	+ 7	9·9	9·50	+3·11	15	+4·0	2·24
Parbhani (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13·11	+6·34	14	+3·6	4·18
Nizamabad ...	28·409	+·017	S 64 W	8·1	76·6	73·4	87·6	-1·1	93	73·0	-0·9	68	86	+ 7	6·9	13·73	+3·25	22	+8·0	1·75

(a) Reports only rainfall. (b) Mean of 20 days. (c) Mean of 13 days.

TABLE III, JULY 1931

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·191	+·013	S 53 W	11·0	75·5	71·5	88·9	-0·7	96	72·4	+0·5	70	82	+ 2	8·1	4·84	-1·34	10	0	1·53
Raichur ...	28·417	+·031	S 47 W	12·2	78·5	72·0	90·6	+0·3	97	74·6	+1·5	72	76	0	2·7	3·02	-2·06	6	-3·3	1·30
Hyderabad ...	27·983	+·034	N 79 W	6·8	75·8	72·2	86·9	-0·7	93	71·2	-2·1	67	84	+ 5	8·4	10·57	+4·08	13	+2·6	3·80
Hanamkonda ...	28·781	+·026	S 66 W	5·6	73·2	74·6	88·2	-0·1	93	76·1	+0·4	73	80	+10	8·4	10·97	+1·98	17	+4·7	3·80
MYSORE																				
Chitaldrug ...	27·638	+·015	S 65 W	8·6	75·2	69·5	88·8	+1·4	96	63·6	+1·0	57	83		9·1	1·50	-1·61	4	-4·4	0·51
Bangalore ...	26·804	+·020	S 75 W	9·3	71·1	68·0	84·5	+2·3	89	67·2	+1·2	65	85	+ 1	9·5	3·49	-0·78	10	+1·5	0·66
Mysore ...	27·208	+·011	S 52 W	7·5	71·5	68·8	82·3	-0·3	88	67·8	+0·7	66	88	+ 7	6·6	3·40	+0·56	8	+1·4	0·92
MALABAR																				
Mangalore ...	29·726	+·007	S 33 E	4·0	77·5	75·9	83·7	-0·3	87	71·2	+0·1	69	86	+ 4	9·6	38·17	+1·06	20	+1·8	3·79
Calicut ...	29·801	+·019	S 78 W	3·3	77·3	75·4	84·7	+2·6	90	74·3	+0·2	72	91	- 1	9·3	27·92	-2·32	27	+0·8	2·93
Cochin ...	29·882	+·018	S 70 E	4·0	78·1	75·9	83·8	-0·1	87	74·5	+0·3	71	91	+ 4	8·2	26·21	+3·49	25	+1·0	3·22
Trivandrum ...	29·821	+·001	N 28 W	6·5	77·6	75·3	82·1	-0·1	83	75·1	+0·3	71	88	+ 1	7·7	6·69	-0·81	17	+3·2	1·22
MADRAS, SOUTHEAST																				
Palamcottah (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	-0·35	0	-0·6	0
Pamban ...	29·783	+·022	S 81 W	10·8	84·2	77·0	88·9	-0·5	93	83·2	+1·0	77	71	- 2	4·2	0·15	-0·42	1	+0·3	0·15
Madura ...	29·231	+·010	N 72 W	7·0	83·3	72·7	96·7	2	101	75·5	+1·8	73	57	- 7	7·9	2·36	+0·48	5	+2·4	1·25
Negapatam ...	29·735	+·039	S 77 W	6·3	84·4	77·3	92·4	+0·5	100	75·3	+0·8	74	84	- 3	7·1	0·28	-1·61	1	-2·3	0·15
Trichinopoly ...	29·597	+·015	S 60 W	7·8	83·7	72·5	97·3	3	101	78·8	+0·9	73	60	- 2	6·0	3·26	+1·69	5	+2·6	1·59
Coimbatore ...	28·438	+·017	S 31 W	3·3	75·5	71·4	88·0	-1·5	90	71·4	+0·5	70	82	+ 1	7·1	1·03	-0·43	3	-1·2	0·88
Salem ...	28·848	+·013	S 84 W	4·0 (b)	77·5	70·9	92·5	-0·7	97	74·0	+0·5	70	84	+ 6	7·5	6·51	+2·69	11	+3·8	2·04
Cuddalore ...	29·713	+·029	S 43 W	4·5	83·0	77·0	95·2	-0·5	99	73·1	+0·8	75	65	- 5	6·7	0·49	-2·62	3	-2·5	0·15
Vellore ...	29·027	+·016	S 85 W	5·0	81·2	73·7	90·3	-1·0	100	77·0	-0·1	71	69	0	6·4	10·22	+4·91	11	+4·1	2·05
Madras ...	29·793	+·019	S 80 W	5·0	83·4	75·8	94·3	-1·6	101	78·4	-0·5	70	63	- 1	7·9	5·73	+1·79	6	-1·0	2·96
MADRAS, DECCAN																				
Cuddapah ...	29·308	+·041	N 64 W	5·5	83·3	75·5	94·4	-1·0	95	78·2	+0·2	74	67	0	8·0	4·76	+0·84	7	+0·5	2·26
Bellary ...	28·236	+·018	S 77 W	7·8	79·4	71·7	93·0	-2·2	94	76·5	+3·6	71	63	+ 3	6·7	0·43	-1·42	1	-2·0	0·25
Kurnool ...	28·795	+·026	S 79 W	12·0 (b)	80·2	72·8	93·3	-0·3	98	73·1	+0·1	73	63	- 5	8·8	2·33	-2·41	7	-2·5	0·95
MADRAS COAST, NORTH																				
Nellore ...	29·628	+·030	S 69 W	5·4	83·7	77·7	96·4	-0·7	102	73·5	-0·8	70	68	+ 2	8·1	2·98	+0·23	4	-1·5	1·03
Masulipatam ...	29·668	+·025	S 87 W	4·7	81·1	76·5	91·1	-2·7	98	77·5	-0·7	73	81	+ 1	7·6	4·81	-1·23	13	+3·0	1·26
Cocanada ...	29·655	+·034	S 72 W	6·0	81·1	77·1	89·2	-1·6	97	77·0	-1·8	73	85	+ 4	8·4	9·10	+3·57	12	+1·7	1·54
Vizagapatam ...	29·495	+·032	S 70 W	5·0	81·2	77·5	87·2	-1·8	92	78·0	-0·6	71	85	+ 7	8·0	4·11	-0·38	8	-0·4	1·27
Calingapatam ...	29·607	+·021	S 56 W	8·2	81·0	75·2	89·0	+0·8	96	77·2	+0·3	75	76	- 4	7·8	0·93	-5·16	3	-5·5	0·15
Gopalpur ...	29·533	+·036	S 22 W	10·0	81·5	80·4	88·0	+1·2	93	80·0	+0·8	74	83	- 1	7·7	3·54	-3·31	5	-4·6	1·07
HILL STATIONS, EXCLUDING KASHMIR AND BALUCHISTAN																				
Maymyo ...	26·284	-·024	S 35 W	2·3	71·5	69·6	77·7	+0·8	82	67·4	+1·4	61	90	+ 2	6·6	1·21	-1·37	8	-2·7	2·01
Shillong ...	24·034	+·011	N 7 W	2·4	68·6	65·5	74·5	-0·8	78	63·4	+1·1	54	91	+ 4	9·1	13·31	+1·83	19	-0·2	4·09
Cherrapunji ..	25·473	+·011	S 15 E	4·0	67·1	66·9	71·5	-0·7	83	65·2	+0·2	54	100	+ 4	10·0	138·37	+53·86	31	+1·1	15·36
Darjiling ...	22·752	-·016	S 77 E	3·2	61·9	61·2	67·4	-1·1	68	58·3	+0·3	51	85	-11	8·7	44·26	+9·65	31	+5·6	4·35
Makteswar ...	22·676	-·005	S 87 W	5·6	61·8	59·9	68·9	-1·2	74	53·1	+1·2	37	83	- 2	8·7	11·97	-0·15	17	-0·7	2·93
Mussooree ...	23·209	...	S 41 E	3·7	61·5	62·6	69·6	...	84	60·6	...	52	83	...	8·3	18·95	-14·35	21	-1·4	3·96
Simla ...	22·933	-·010	N 72 W	1·6	61·4	59·8	71·5	+0·2	82	59·6	+0·7	53	78	- 3	6·3	6·93	+10·10	16	-4·5	1·28
Dharampore (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16·05	...	18	...	2·20
Dalhousie (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15·84	...	20	...	4·22
Murree ...	...	...	N 31 W	3·9	67·5	63·7	77·2 (d)	-0·6	83	61·1 (d)	-1·3	53	85	- 8	3·9	17·97	+6·13	12	+0·5	7·20
Cherat ...	25·449 (d)	-0·6	S 81 E	6·8	75·6	66·4	89·0 (d)	-0·4	98	60·6 (d)	-1·8	61	62	- 5	3·6	2·51	-0·36	5	+0·1	1·05
Parachinar (c) ...	24·242	+·005	E	2·9	73·9	63·6	85·1	-2·9	93	63·3	-3·0	53	51	- 6	2·0	4·84	+1·46	8	+1·5	1·40
Drosh ...	...	...	N 66 E	2·8	73·0	62·0	90·1	-0·5	101	60·5	-6·4	54	53	+ 3	2·6	2·02	+1·45	6	+1·5	0·70
Mount Abu ...	25·779	+·011	S 53 W	7·4	69·0	67·7	78·6	+3·2	85	57·5	+1·5	65	80	- 3	9·3	10·97	-10·10	14	-2·9	2·89
Pachmarhi ...	26·193	+·020	N 73 W	4·1	71·6	69·4	75·0	+2·5	88	60·8	-7·4	49	75	-16	9·7	16·99	-6·76	21	-0·1	3·49
Mercara ...	26·119	+·029	S 84 W	7·5	65·5	61·1	63·0	+1·0	73	63·2	+1·2	61	97	+ 1	9·2	35·76	-4·17	30	+1·7	5·16
Kodaikanal ...	22·739	+·036	N 85 W	6·3	58·5	54·2	63·5	+0·8	67	53·1	+1·8	51	75	- 4	6·8	6·66	+1·64	13	+1·9	1·83
Coonoor (b) ...	23·376	...	S 89 W	2·0 (c)	65·4	60·2	70·7	...	73	58·7	...	54	75	...	8·0	4·86	...	11	...	1·09
CEYLON																				
Colombo ...	29·819	+·015	S 68 W	4·9	79·1	75·0	84·9	-0·7	86	78·4	-0·6	71	86	+ 1	7·7	12·42	+7·27	14	+ 5·8	2·43

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days. (d) Mean of 28 days. (h) Mean of 24 days. (l) Mean of 20 days.

Y. P. P.—S 1576—500—13-8-31

MONTHLY WEATHER REPORT

FOR

August 1931

Supplement to the [illegible] **for the 18th September 1931**

Published [illegible] *by Authority of the Governor-General in Council*

Summary.—(1) Active monsoon over the country except in the south of the Deccan and along and near the northwest frontier: (2) three depressions formed in the north Bay of Bengal and one in south Bengal; (3) high temperature along and near the northwest frontier during the first fortnight.

The Bay monsoon remained weak in Burma in the beginning of the month but began to strengthen on the coast after the 4th and was active there till the 15th. During the first two weeks the monsoon was active in the Peninsula as far north as the Central Provinces, from Gujarat to the east and north Punjab and the United Provinces and in northeast India.

With the passage of low pressure waves from the east through Burma, four depressions formed after the 13th, three in the north Bay of Bengal and one in south Bengal. The first depression was centred about 50 miles to the southeast of the Sandheads on the 14th morning and moving in a northwesterly direction lay over the southwest Bengal on the 16th. Thereafter it filled up after inducing a depression over west Central India and east Rajputana on the 17th, which in turn merged in the seasonal low over northwest India on the next day. The second depression which was centred about 80 miles to the southeast of Saugor Island on the 19th morning, intensified into a storm by the next morning and moving northwestwards crossed the Orissa coast near Balasore on the night of the 20th. It lay over Chota Nagpur on the 21st morning; thereafter the depression took a westerly course, reached southeast Rajputana on the 24th and merged in the seasonal low over northwest India on the 25th. The third depression appeared over south Bengal on the 26th, moved to west Rajputana by the 29th, and after persisting there for two days, merged in the seasonal low after the 31st. The last depression of the month which was centred near Latitude 18½° N and Longitude 88½° E on the 30th morning, moved in a northwesterly direction and crossed the Orissa coast on the 1st September. All these depressions were responsible for an active monsoon with widespread and locally heavy rain along and near their track. Some of the notable falls during this period were Jagdalpur 8″ on the 14th, Kanker 7″ on the 15th, Deesa 10″ on the 17th, Mount Abu 20″ in 72 hours ending at 8 hours on the 19th, Cuttack 5″ on the 19th, Sambalpur 10″ on the 20th, Khandwa 6″ on the 22nd, Raipur 9″ on the 25th, Jubbulpore and Pachmarhi 5″ each on the 26th and Hoshangabad the same amount and Neemuch 7″ on the next day, Barmer 5″ on the 29th and Mount Abu 7″ on the 30th. Heavy rain during the second fortnight caused floods and damage to crops in Cochin State and Coorg. The river Tapti in Gujarat was also in flood. A goods train is reported to have fallen into a breach caused by floods near Godhra on the B. B. & C. I. Railway on the 23rd.

2. The month's rainfall was in large defect in the North-West Frontier Province, Baluchistan, Sind, south Hyderabad, Mysore and the Madras Deccan, in slight to moderate defect in Upper Burma, Assam, Bihar, the United Provinces, the southwest Punjab, Kashmir, east Central India, southeast Madras and the north Madras coast and normal in Bengal, Chota Nagpur, the Bombay Deccan and north Hyderabad; elsewhere it was in moderate to large excess. Averaged over the plains of India, the month's rainfall was in excess by 25 per cent.

3. Mean temperature during the first fortnight was generally above normal in Sind, Baluchistan, the North-West Frontier Province and the southwest Punjab; it is reported that high temperature in the southwest Punjab caused some deaths due to heat stroke. Elsewhere the temperature distribution was more or less governed by the rainfall in those divisions. The month's mean maximum and minimum temperatures were above normal in the North-West Frontier Province, Baluchistan and Sind; the maximum alone was above normal in Assam and the minimum in the southwest Punjab and the Madras Deccan.

[Price 4 annas.]

Summary of the Local Conditions

Burma, including the Bay Islands.—The total rainfall of the month was in defect by 21 per cent in Upper Burma. It was 51 per cent or more in excess elsewhere. Humidity was in defect in the Bay Islands.

Northeast India, including Orissa.—The month's rainfall was 53 per cent above normal in Orissa, 10 per cent above normal in Chota Nagpur, normal in Bengal and from 31 to 37 per cent below normal in the remaining sub-divisions. Mean maximum temperature was above normal in Assam.

The United Provinces, Central India and the Central Provinces.—Rainfall during the month was in defect by 13 per cent in east Central India, by 16 per cent in the west United Provinces and by 20 per cent in the east United Provinces. Elsewhere it was 45 per cent or more in excess. Humidity was in excess in west Central India and Berar. Other climatic elements were roughly normal.

Northwest India.—The month's rainfall was more than twice the normal amount in Rajputana; in Gujarat and the east and north Punjab it was 89 and 42 per cent in excess respectively. Elsewhere it was 12 per cent or more in defect. The cloud amount was higher than usual in Punjab and east Rajputana. Humidity was higher than usual in Kashmir and Rajputana. Both mean maximum and minimum temperatures were above normal in the North-West Frontier Province, Baluchistan and Sind.

The Peninsula.—The rainfall of the month was about three times the normal in Malabar. It was 37 per cent in excess in the Konkan, normal in the Bombay Deccan and north Hyderabad and 43 to 72 per cent in defect in the remaining sub-divisions. Air was more moist than usual in Malabar and drier in southeast Madras. Minimum temperature was above normal in the Madras Deccan.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 33 sub-divisions. Table III contains the monthly means of the 8 hrs. (local time) observations published in the Indian Daily Weather Reports; the divisional means, Tables I and II, are based on these observations.

POONA:
The 9th September 1931.

C. W. B. NORMAND,
Director-General of Observatories.

Division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
Burma ...	29·73	22·24	+7·49	+ 34	+0·6	+1·1	− 1	+0·8
Assam ...	10·64	15·41	−4·77	− 31	+2·4	+1·2	− 2	0
Bengal ...	14·77	15·73	−0·96	− 6	+1·4	+1·3	− 1	0
Bihar and Orissa ...	13·84	13·62	+0·22	+ 2	+0·6	+0·9	0	+0·8
United Provinces ...	10·32	12·51	−2·19	− 18	+1·3	+0·9	− 1	+0·6
Punjab ...	7·20	5·67	+1·53	+ 27	+0·5	+1·2	+ 2	+1·1
North-West Frontier Province.	0·82	2·09	−1·27	− 61	+3·8	+3·1	− 2	−0·6
Sind ...	0·18	1·59	−1·41	− 89	+3·5	+3·2	− 4	+0·3
Rajputana ...	14·21	6·39	+7·82	+122	−1·1	+0·6	+ 7	+1·5
Bombay ...	11·50	7·91	+3·59	+ 45	−0·2	+1·4	+ 2	+0·8
Central India ...	16·45	10·77	+5·68	+ 53	+0·2	+1·1	+ 4	+0·6
Central Provinces ...	18·23	12·02	+6·21	+ 52	−0·7	+1·0	+ 4	+0·9
Hyderabad ...	4·45	6·35	−1·90	− 30	+0·2	+1·2	+ 2	+0·1
Mysore ...	1·78	3·87	−2·09	− 54	+0·1	+1·5	+ 2	+0·4
Madras ...	8·87	6·21	+2·66	+ 43	0	+1·2	− 2	+0·9
Mean of India ...	13·66	10·97	+2·69	+ 25	+0·5	+1·2	+ 1	+0·7

Sub-division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
1. Bay Islands ...	22·54	14·69	+ 7·85	+ 53	− 0·3	+0·5	− 7	+1·1
2. Lower Burma ...	47·19	31·34	+15·85	+ 51	− 0·4	+0·5	+ 1	+1·3
3. Upper Burma ...	7·29	9·25	− 1·96	− 21	+ 1·9	+1·9	− 3	+0·1
4. Assam ...	10·64	15·41	− 4·77	− 31	+ 2·4	+1·2	− 2	0
5. Bengal ...	14·77	15·73	− 0·96	− 6	+ 1·4	+1·3	− 1	0
6. Orissa ...	22·59	14·74	+ 7·85	+ 53	− 0·1	+0·3	+ 3	+1·7
7. Chota Nagpur ...	13·86	12·59	+ 1·27	+ 10	+ 0·5	+0·9	+ 1	+1·7
8. Bihar ...	8·59	13·57	− 4·98	− 37	+ 1·0	+1·3	− 2	−0·2
9. United Provinces, East ...	9·73	12·13	− 2·40	− 20	+ 1·3	+1·5	− 1	+0·5
10. Do. do. West ...	10·82	12·84	− 2·02	− 16	+ 1·3	+0·4	0	+1·0
11. Punjab, East and North ...	9·95	7·01	+ 2·94	+ 42	− 0·1	+0·4	+ 3	+1·5
12. Do. Southwest ...	2·39	3·31	− 0·92	− 28	+ 1·3	+2·3	+ 2	+0·7
13. Kashmir ...	1·59	1·80	− 0·21	− 12	+ 0·4	+1·7	+ 5	+0·1
14. North-West Frontier Province ...	0·82	2·09	− 1·27	− 61	+ 3·8	+3·1	− 2	−0·6
15. Baluchistan ...	0·41	0·89	− 0·48	− 54	+ 2·9	+3·6	+ 2	+0·4
16. Sind ...	0·18	1·59	− 1·41	− 89	+ 3·5	+3·2	− 4	+0·5
17. Rajputana, West ...	3·87	3·33	+ 5·04	+151	0	+0·9	+ 7	+0·9
18. Do. East ...	16·57	7·61	+ 8·76	+115	− 1·8	+0·3	+ 7	+2·0
19. Gujarat ...	10·69	5·67	+ 5·02	+ 89	− 0·1	+1·6	+ 3	+0·9
20. Central India, West ...	21·43	8·42	+13·01	+155	− 1·3	+1·1	+ 5	+0·9
21. Do. do. East ...	11·47	13·13	− 1·66	− 13	+ 1·7	+1·2	+ 3	+0·5
22. Berar ...	11·77	6·51	+ 5·26	+ 81	− 1·5	+1·1	+ 5	−0·1
23. Central Provinces, West ...	19·41	12·80	+ 6·61	+ 52	− 0·1	+0·9	+ 3	+0·9
24. Do. do. East ...	13·07	13·59	+ 6·08	+ 45	− 0·7	+1·0	+ 3	+1·3
25. Konkan ...	24·15	17·69	+ 6·46	+ 37	− 0·3	+0·5	− 1	−0·5
26. Bombay Deccan ...	4·15	4·39	− 0·24	− 5	− 0·2	+1·7	+ 2	+1·4
27. Hyderabad, North ...	6·48	6·85	− 0·37	− 5	− 1·3	+1·1	+ 4	+0·6
28. Do. South ...	2·93	5·97	− 3·04	− 51	+ 0·9	+1·2	+ 1	−0·2
29. Mysore ...	1·78	3·87	− 2·09	− 54	+ 0·1	+1·5	+ 2	+0·1
30. Malabar ...	40·00	13·77	+26·23	+190	− 1·3	−0·2	+ 5	+1·5
31. Madras, Southeast ...	1·86	3·68	− 1·82	− 49	+ 0·1	+1·8	− 6	+1·2
32. Do. Deccan ...	1·23	4·39	− 3·16	− 72	0	+2·1	− 4	−0·1
33. Do. Coast North ...	3·61	6·29	− 2·68	− 43	+ 0·7	+0·9	− 1	+0·5

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.	CLOUD.	RAINFALL.				
					Mean 8 h.		Maximum.			Minimum.									
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BAY ISLANDS																				
Port Blair ...	29·663	-·017	S 79 W	9·2	81·1	76·5	84·9	0·2	87	77·7	+0·5	74	80	- 7	9·3	22·54	+7·85	26	+ 6·7	3·05
LOWER BURMA																				
Victoria Point ...	29·646	-·029	S 42 W	10·3	79·4	77·1	82·9	-0·6	85	74·9	+0·2	73	90	+ 2	8·6	66·36	+40·85	30	+ 7·9	5·18
Mergui ...	29·636	-·038	..	...	76·6	75·6	82·6	-0·7	88	75·3	+2·3	73	95	+ 1	9·8	41·91	+12·70	31	+ 5·6	6·32
Tavoy ...	29·729	-·035	S 10 E	2·9	79·6	76·1	82·5	-0·4	88	74·3	+0·1	71	95	+ 5	9·9	57·53	+10·29	31	+ 3·7	4·31
Amherst ...	29·651	...	S 14 W	9·6	77·6	76·3	81·7	...	85	71·6	...	73	94	...	9·9	51·42	...	31	...	4·02
Rangoon ...	29·675	-·039	S 18 W	3·5	78·8	77·3	85·4	+0·4	90	76·5	+0·7	73	93	0	9·7	27·92	+8·65	28	+ 3·9	2·84
Bassein ...	29·651	-·040	S 49 W	3·4	78·5	76·8	85·1	+0·2	90	75·3	-0·7	73	92	- 1	9·2	41·60	+21·53	27	+ 2·3	5·94
Diamond Island ...	29·627	-·050	S 48 W	7·9	80·4	78·4	82·6	-0·8	87	76·2	0	73	91	+ 4	9·6	50·12	+27·21	26	+ 4·5	6·31
Gwa ...	29·660	...	S 1 E	3·7	78·7	77·7	83·8	...	90	75·3	...	74	95	...	9·5	67·34	...	28	...	5·53
Tavoygo ...	29·523	-·034	...	...	79·1	77·0	86·5	-0·3	91	76·2	+1·4	74	91	- 1	9·3	15·71	-8·38	24	- 0·3	2·62
Kyaukpyu ...	29·601	-·030	S 26 E	4·8 (b)	79·2	77·7	84·3	-0·3	88	76·5	+0·6	74	93	+ 2	9·2	62·21	+21·66	29	+ 1·5	9·10
Akyab ...	29·578	-·032	S 25 E	9·9	79·1	77·7	83·1	-1·5	87	77·0	+0·1	75	93	- 1	9·7	58·30	+13·11	28	+ 1·2	7·74
UPPER BURMA																				
Minbu ...	29·441	-·081	S 32 E	5·4	82·6	77·9	92·3	+2·2	97	78·9	+1·8	75	84	- 5	5·8	2·60	-2·67	5	- 5·5	1·61
Yamethin ...	29·361 (c)	-·079	S 6 E	6·7	79·8	75·9	90·9	+1·9	94	75·6	+1·8	71	82	- 5	7·7	2·57	-3·34	11	0	0·51
Mandalay ...	29·362	-·081	S 11 E	5·8	83·5	77·9	96·8	+3·6	101	83·8	+2·9	75	77	- 2	7·0	1·85	-2·74	2	- 5·9	1·20
Monywa ...	29·382	-·089	S 38 E	3·0	83·6	77·8	94·9	+2·0	99	80·0	+1·4	76	78	- 5	7·4	3·79	-0·76	7	+ 0·8	1·49
Lashio ...	28·875	-·036	S 21 W	2·8	73·6	71·6	82·5	0	85	71·1	+1·5	65	90	0	8·8	19·01	+6·31	21	+ 2·0	2·85
Bhamo ...	29·210	-·068	N 27 E	0·9	79·6	77·9	88·6 (d)	+0·5	94	77·2	+2·2	75	92	- 1	9·5	12·85	-2·58	15	- 4·4	2·71
Myitkyina ...	29·130	-·079	S 64 E	2·8	80·3	77·8	90·1	+2·8	95	76·8	+1·4	74	89	- 2	9·2	8·37	-8·90	18	- 1·5	1·89
ASSAM																				
Dibrugarh ...	29·228	-·072	N 21 E	1·5	80·9	78·7	89·6	+2·7	95	77·1	+1·3	74	91	- 2	6·8	11·49	-6·71	14	- 5·1	2·73
Sibsagar ...	29·255	-·071	S 22 E	3·5	81·7	79·9	91·9	+3·3	101	78·6	+1·0	75	91	- 2	9·6	14·23	-2·04	13	+ 0·8	2·12
Tezpur ...	29·321	-·065	N 89 E	1·5	83·1	80·1	92·2	+3·2	99	79·1	+1·4	75	87	- 5	7·9	3·96	-10·40	8	- 8·3	1·22
Gauhati ...	29·378	-·071	S 51 E	2·0	82·9	80·0	91·6	+1·5	96	78·8	+1·0	74	87	0	8·3	14·65	+4·29	13	- 0·4	3·97
Dhubri ...	29·420	-·089	S 79 E	4·2	82·7	79·6	87·5	+1·4	91	79·9	+1·4	75	87	- 3	6·5	7·55	-5·59	10	- 1·9	2·26
Silchar (b) ...	29·498	-·062	N 74 E	1·9	82·2	79·5	92·1	+2·5	98	77·9	+1·1	75	89	- 2	8·0	11·55	-8·20	17	- 5·1	2·18
BENGAL																				
Cox's Bazar ...	29·539	-·075	S 29 E	3·8	80·7	78·5	85·2	-0·2	88	77·3	+1·5	72	91	0	8·7	30·72	+0·21	20	- 2·6	7·47
Chittagong ...	29·484	-·078	S 25 E	3·2	80·6	77·3	87·4	+1·5	91	77·8	+1·5	75	85	- 4	8·2	15·79	-3·51	18	+ 1·6	4·18
Narayangani ...	29·502	-·092	S 51 E	6·1	84·0	79·9	89·5	+1·8	92	80·4	+1·5	78	83	- 6	8·3	11·23	-1·45	16	- 1·6	3·13
Barisal ...	29·514	-·083	S 35 E	1·8	82·1	79·5	88·0	+1·1	91	79·2	+1·0	73	89	0	8·0	18·07	+4·45	21	+ 0·9	4·38
Jessore ...	29·483	-·036	S 31 E	4·1	83·1	80·7	87·6	-0·9	90	79·4	+0·7	76	89	0	6·2	7·55	-3·40	16	- 0·8	1·57
Calcutta ...	29·474	-·089	S 28 E	3·5	82·7	80·8	89·0	+2·1	94	80·3	+1·8	77	91	+ 2	8·2	8·77	-3·92	19	+ 0·7	2·45
Sangor Island ...	29·469	-·038	S 18 W	12·6	83·4	80·4	86·6	-0·7	89	80·4	+0·7	77	87	- 2	8·7	18·16	+3·93	19	+ 2·5	5·21
Burdwan ...	29·381	-·102	S 65 E	3·1	82·5	80·8	91·0	+1·8	94	79·7	+0·7	77	93	+ 5	5·8	16·17	+4·91	19	+ 3·3	2·57
Berhampore ...	29·448	-·076	S 54 E	3·0	84·4	81·4	91·5	+2·8	95	80·3	+1·5	77	87	- 3	8·3	3·51	-8·11	11	- 5·6	0·96
Mymensingh ...	29·493	-·068	S 30 E	1·7	83·2	79·9	85·6	+2·2	93	79·6	+1·3	77	85	- 5	8·2	11·20	-4·41	14	- 5·1	3·05
Bogra ...	29·475	-·070	S 02 E	3·3	84·3	81·1	90·8	+2·3	91	80·6	+2·1	78	87	- 2	9·2	14·60	+1·31	19	+ 2·2	4·28
Dinajpur ...	29·405	-·074	S 89 E	2·9	83·5	80·2	89·9	+1·0	94	79·6	+1·0	75	85	- 5	7·9	6·62	-6·73	12	- 3·6	1·40
Jalpaiguri ...	29·284	-·065	N 36 E	2·2	82·1	81·8	91·4	+2·9	97	78·3	+1·1	75	93	+ 1	6·6	29·51	+4·50	20	+ 0·1	7·90
ORISSA																				
Balasore ...	29·429	-·081	S 47 W	5·3	83·1	80·1	89·0	+0·6	94	79·4	+1·1	75	87	0	9·4	13·54	+2·18	14	- 0·6	2·65
Chandbali ...	29·555	...	S 57 W	7·1	82·6	79·6	88·4	...	95	78·6	...	75	87	...	6·6	20·77	...	14	...	4·49
Cuttack ...	29·432	-·068	S 74 W	3·0	81·7	78·8	86·8	-0·4	95	78·3	-0·1	74	87	+ 3	8·2	18·65	+4·99	19	+ 3·0	4·92
Sambalpur ...	29·382	-·071	S 40 W	4·5	79·1	77·2	86·3	-0·6	93	77·0	-0·1	73	91	+ 5	9·5	35·58	+16·39	20	+ 0·8	9·60
CHOTA NAGPUR																				
Chaibasa ...	28·751	-·080	S 39 W	2·8	81·6	78·4	89·2	+0·5	94	78·1	+1·1	75	87	+ 1	9·5	14·32	+3·35	15	- 1·4	3·03
Ranchi ...	27·381	-·053	S 13 E	3·6	77·3	75·6	83·9	+0·5	89	73·6	+0·6	71	89	0	9·6	11·25	-1·92	20	+ 1·4	1·78
Hazaribagh (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15·51	+2·37	17	- 0·8	2·45

(a) Reports only rainfall. (b) Mean of 30 days. (d) Mean of 28 days. (l) Mean of 20 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BIHAR																				
Purnea ...	29·398	-·074	E	2·2	84·2	81·1	88·9	-0·1	92	80·1	+1·5	76	87	- 4	6·2	12·27	-1·82	15	- 1·1	2·00
Darbhanga ...	29·333	-·083	N 83 E	4·5	84·1	80·8	90·1 (b)	+1·8	98	80·4	+1·3	75	85	- 3	7·8	6·77	-7·19	8	- 6·4	2·91
Patna ...	29·319	-·070	N 89 E	4·2	84·5	81·3	90·7	+1·6	94	81·5	+2·1	78	87	0	8·3	6·79	-6·76	11	- 2·8	1·56
Gaya ...	29·119	-·071	S 59 E	3·0	83·9	80·0	91·8	+1·7	96	79·3	+0·8	75	83	- 2	6·3	10·16	-3·06	17	+ 2·0	1·67
Naya Dumka ...	29·016	-·074	S 80 E	3·1	82·5	79·5	89·1	+0·6	92	78·5	+1·0	75	87	0	7·0	6·95	-6·06	14	- 4·0	1·43
UNITED PROVINCES, EAST																				
Gorakhpur ...	29·235	-·076	N 89 E	3·3	84·9	81·4	91·2	+1·6	96	80·6	+2·2	78	85	- 3	7·0	6·09	-7·95	13	- 1·5	1·27
Benares ...	29·227	-·092	S 72 E	3·3	83·8	80·7	91·0	+1·3	95	80·3	+1·7	75	87	0	9·0	13·51	+1·97	19	+ 4·5	2·83
Allahabad ...	29·173	-·075	S 68 E	4·6	84·5	80·9	91·5	+1·5	96	79·9	+1·3	77	85	0	8·2	7·85	-3·85	12	- 2·0	3·12
Cawnpore ...	29·065	-·077	S 45 E	1·8	83·6	80·7	91·2	+0·5	96	79·3	+0·5	71	87	+ 2	5·6	14·05	+2·67	21	+ 8·1	1·95
Lucknow ...	29·119	-·070	S 84 E	2·7	84·5	81·2	92·0	+1·4	97	80·5	+2·0	75	85	- 1	7·7	12·76	+1·87	15	+ 1·9	4·12
Bahraich ...	29·090	-·063	S 78 E	3·1	84·6	80·2	91·7	+1·6	96	79·5	+1·1	71	81	- 5	5·1	4·24	-9·01	10	- 2·9	1·40
UNITED PROVINCES, WEST																				
Jhansi ...	28·660	-·032	S 65 W	3·2	81·4	78·8	90·0	+0·6	96	77·8	+0·4	75	89	+ 7	8·7	13·60	+1·75	18	+ 4·5	2·02
Agra ...	28·926	-·079	S 85 E	3·7	83·5	80·3	92·0	+0·5	98	79·2	+0·3	75	87	0	8·0	7·26	-0·87	14	+ 1·8	0·80
Mainpuri ...	28·961	-·074	S 82 E	1·8	84·5	81·4	93·1	+1·3	98	76·9	-1·9	72	87	+ 4	7·3	10·00	+1·31	14	+ 3·3	2·25
Bareilly ...	28·951	-·040	S 84 E	2·5	85·0	80·8	91·8	+1·6	97	79·8	+1·7	76	83	- 4	7·8	8·27	-4·00	12	- 0·2	2·23
Meerut (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8·44	-0·25	11	+ 1·4	2·05
Roorkee ...	28·611	-·069	S 50 E	2·6	83·2	78·8	91·0	+0·5	98	78·4	+1·3	72	81	- 3	6·7	7·13	-4·60	9	- 2·7	2·44
Dehra Dun ...	27·323	-·049	S 78 E	1·2	77·5	74·4	87·2	+3·4	92	73·8	+0·8	69	86	- 5	7·5	21·30	-7·48	20	- 1·3	3·21
PUNJAB, EAST AND NORTH																				
Delhi ...	28·733	-·069	S 60 E	2·7	85·0	81·6	94·3	...	100	78·9	...	75	85	...	7·3	4·13	-3·29	8	- 1·2	1·36
Hissar ...	28·757	-·064	S 55 E	3·7	85·6	80·6	95·9	-2·2	103	79·7	-0·7	74	80	+10	4·1	3·49	-0·13	7	+ 1·7	1·66
Ambala ...	28·697	-·055	S 61 E	2·6	83·8	79·5	94·8	+1·7	105	79·6	+1·6	74	81	- 3	6·8	16·66	+3·20	10	+ 0·2	5·43
Ludhiana ...	28·672	-·061	S 50 E	3·4	85·1	79·8	95·2	+0·5	103	80·2	+0·9	74	78	0	5·7	13·09	+3·15	7	- 0·6	5·41
Lahore ...	28·780	-·052	S 43 E	2·1	85·2	80·8	96·6	-1·1	100	79·9	+0·6	73	81	+ 6	6·3	9·60	+1·27	8	+ 2·2	4·45
Sialkot ...	28·674	-·041	S 77 E	1·6	81·8	79·5	92·7	-0·8	101	77·1	-1·2	72	89	+ 9	6·2	14·59	+5·68	14	+ 4·9	2·03
Rawalpindi ...	27·848	-·050	S 63 E	2·0	81·9	77·5	95·5	+1·6	103	76·7	+1·3	69	70	- 7	5·0	7·87	-1·27	9	- 0·3	1·65
PUNJAB, SOUTHWEST																				
Khushab ...	28·848	-·073	N 73 E	7·1	87·6	80·9	99·6	-0·6	107	82·2	+0·8	72	74	+ 5	2·9	2·23	-0·99	3	- 0·4	1·26
Lyallpur ...	28·880	-·035	S 60 E	2·8	87·2	80·9	98·5	+0·4	107	82·2	+2·6	74	74	+ 3	4·0	1·30	-0·39	5	- 0·9	1·72
Montgomery ...	28·897	-·038	S 31 E	3·6	88·0	80·6	101·0	-0·1	108	83·3	+1·5	75	71	+ 8	3·4	2·37	-0·91	2	- 1·8	1·32
Multan ...	29·066	-·074	S 6 E	2·7	91·9	81·2	106·6	+5·7	113	86·8	+4·3	78	62	- 7	2·8	0·57	-1·11	1	- 1·6	0·53
Bahawalpur ...	29·031	...	S 57 W	3·1	90·0	83·6	103·6	...	111	84·0	...	77	75	...	5·3	2·15	...	4	...	0·87
Khanpur (b) ...	29·157	...	S 50 W	6·6	89·6	81·4	105·1	...	113	84·1	...	76	69	...	4·4	1·32	...	2	...	1·06
KASHMIR																				
Srinagar ...	24·613	-·033	S 4 E	1·6	71·1	67·2	90·1	+3·5	97	65·7	+2·5	61	81	- 4	5·0	1·13	-1·20	3	- 2·3	0·49
Gulmarg ...	21·756	-·004	N 19 E	2·5	63·8	59·5	71·3	+2·6	77	52·7	+2·0	48	77	- 1	5·7	4·03	-0·75	7	- 2·6	0·93
Sonamarg (a) ...	...	...	...	... (c)	...	...	...	...	...	...	...	...	...	...	...	3·83	+0·23	8	- 0·7	1·01
Dras (b) ...	20·705	+·036	W	6·0	69·0	52·6	76·5	-1·5	83	51·4	+2·6	47	64	+ 2	3·1	0·82	+0·25	3	+ 1·5	0·35
Leh ...	19·630	+·010	S 45 W	1·7	58·1	50·9	73·9	-2·6	81	51·1	+1·4	48	65	+ 7	5·5	0·58	+0·44	5	+ 3·2	0·32
Skardu ...	22·694 (b)	+·024	Calm	1·6	71·4	65·0	91·1	+3·7	104	63·3	+1·6	56	71	+20	3·1	0·20	-0·17	0	- 1·2	0·08
Gilgit ...	23·732	-·089	Calm	0·1	76·8	67·2	92·8	-3·1	97	71·4	+0·1	66	66	+ 9	3·4	0·14	-0·95	6	- 1·8	0·08
NORTH-WEST FRONTIER PROVINCE																				
Peshawar ...	28·317	-·072	N	2·7	80·0	70·1	102·8	+4·6	109	62·7	+4·2	75	63	+ 4	2·9	0·17	-2·07	1	- 1·6	0·13
Dera Ismail Khan ...	28·881	-·066	N 85 E	3·3	90·5	81·7	103·7	+3·0	110	83·2	+1·9	72	67	- 8	2·1	1·47	-0·47	2	- 0·2	1·28
Miranshah (e) ...	25·524	...	Calm	1·2	85·7	74·6	96·1	...	100	77·1	...	67	59	...	0·3	0	...	0	...	0
BALUCHISTAN																				
Fort Sandeman ...	25·151	-·034	N 45 E	2·1	78·9	68·9	97·9	+1·4	103	74·7	+2·2	68	60	- 2	0·8	1·28	-0·40	4	+ 0·4	0·48
Harnai (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·18	-2·39	2	- 3·4	0·68
Quetta ...	24·465 (b)	-·027	S 47 E	5·2	73·7	63·8	98·3	+6·4	103	67·1	+1·5	55	58	+ 7	2·8	0	-0·46	0	- 0·9	0
Chaman ...	25·380	-·067	S 24 W	3·2	82·7	59·5	100·0	+1·7	107	77·5	+5·2	71	21	-18	1·3	0	-0·04	0	- 0·1	0
Kalat ...	23·553	-·027	S 7 E	5·3	68·6	57·9	93·7	+2·9	99	57·7	+5·5	50	53	+ 4	3·4	0	-0·30	0	- 0·8	0
Lalbandin ...	26·749	-·053	N 45 W	2·4	80·6	68·7	108·3	+2·2	116	74·7	+3·7	63	53	+20	0·2	0	-0·20	0	- 0·6	0

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days. (e) Mean of 27 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIND																				
Jacobabad ...	29·235	-·052	S 45 E	4·3	90·7	80·2	105·9	+1·3	111	85·5	+3·4	82	61	-10	1·9	0	0·98	0	-1·6	0
Hyderabad ...	29·375	-·065	S 44 W	8·1	85·6	79·1	101·3	+3·6	105	81·9	+2·8	75	70	1	4·6	0·49	-1·63	1	-1·5	0·35
Karachi ...	29·490	-·085	S 75 W	11·2	84·3	80·9	89·9	+3·5	92	81·6	+3·6	77	85	9	8·3	0·05	-1·62	0	-2·0	0·03
RAJPUTANA, WEST																				
Bikaner ...	28·722	-·058	S 29 W	5·7	85·5	79·1	98·1	+0·3	107	81·7	+1·0	77	74	+ 5	3·8	5·22	+1·75	8	+3·1	1·21
Jodhpur ...	28·712	-·024	S 33 W	5·3	81·5	77·7	92·3	-0·3	101	78·5	+0·8	75	83	+ 8	9·1	14·52	+10·12	18	+12·7	3·56
RAJPUTANA, EAST																				
Jaipur ...	28·100	-·070	N 33 W	2·7	81·7	78·0	88·6	-2·8	95	77·2	+0·8	73	85	+ 7	7·6	15·23	+7·30	18	+7·6	4·19
Ajmer ...	27·918	-·062	S 79 W	1·3	79·3	75·7	86·6	-1·4	92	76·6	+0·6	72	85	+ 3	8·9	10·23	+3·48	16	+7·3	2·20
Kotah ...	28·664	-·082	N 89 W	3·2	82·4	78·7	93·0	-1·3	94	78·1	-0·4	73	85	+11	8·5	18·67	+9·82	18	+7·6	3·65
Jhalrapatan ...	28·460	...	S 87 W	3·0	75·2	76·8	86·5	...	91	75·9	...	72	89	...	9·5	21·74	...	22	...	4·26
Udaipur (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	21·36	+14·44	17	+8·4	4·67
GUJARAT																				
Deesa ...	29·062	-·098	S 67 W	7·5	79·8	77·6	88·6	-0·8	102	77·6	+1·7	71	91	+ 7	9·2	24·78	+16·16	22	+12·6	9·90
Bhuj ...	29·173	-·099	S 62 W	7·5	82·2	78·9	91·1	+2·6	97	79·6	+3·3	74	85	+ 2	7·8	2·66	-0·58	4	0	1·51
Dwarka ...	29·509	-·100	S 62 W	13·4	82·7	78·7	86·1	+1·5	90	80·9	+2·6	75	83	- 2	9·5	3·71	+0·51	4	-0·9	1·48
Rajkot ...	29·116	-·037	S 59 W	9·1	80·2	77·4	88·8	0	96	76·8	+2·2	74	87	+ 4	8·6	5·62	-0·10	10	+2·2	1·52
Veraval ...	29·569	-·089	S 76 W	13·3	81·3	79·3	83·7	+1·4	87	79·4	+1·4	78	91	+ 2	8·9	3·20	-0·53	10	+4·0	0·46
Surat ...	29·547	-·035	S 31 W	5·1	83·6	78·5	85·7	-0·9	90	77·5	+0·7	73	91	+ 5	9·5	15·84	+8·29	23	+10·5	5·66
Bhavnagar ...	29·519	-·006	S 76 W	4·2	81·6	77·7	89·0	-2·3	92	77·2	+0·4	74	83	+ 2	8·1	8·00	+2·93	11	+3·2	2·31
Ahmadabad ...	29·394	-·031	S 64 W	3·7	80·5	75·2	87·9	-2·1	94	77·4	+0·8	75	80	+ 6	9·1	21·85	+13·76	23	+12·3	4·33
CENTRAL INDIA, WEST																				
Neemuch ...	27·919	-·03	S 81 W	7·0	76·4	74·5	83·4	-1·6	90	73·4	+0·2	70	91	+ 5	8·5	25·97	+20·14	22	+12·1	6·01
Indore ...	27·744	-·031	S 84 W	6·5	74·7	73·2	81·7	-0·9	86	72·8	+1·4	70	93	+ 5	8·8	13·90	+5·89	22	+10·9	3·58
Bhopal ...	27·911	...	N 88 W	5·9	76·2	74·4	88·7	...	89	73·8	...	73	91	...	9·4	14·50	...	20	...	2·09
CENTRAL INDIA, EAST																				
Nowgong ...	28·741	-·036	S 21 W	2·6	81·4	75·9	89·6	+1·4	95	75·4	+1·1	75	91	+ 4	8·4	13·46	-0·01	14	+0·3	3·40
Sutna ...	28·446	-·026	S 47 W	3·7	80·6	77·0	87·9	+1·3	91	77·6	+1·3	76	87	+ 2	8·5	9·48	-3·30	19	+4·3	1·48
BERAR																				
Akola ...	28·656	-·031	S 81 W	7·7	77·7	74·7	86·1	-1·1	90	71·5	+1·0	71	87	+ 6	6·1	8·94	+2·51	19	+9·4	1·27
Amraoti ...	28·365	-·073	S 65 W	8·8	75·9	71·0	84·2	-1·1	89	74·1	+1·3	71	91	+ 5	9·6	14·59	+8·01	21	+11·2	2·18
CENTRAL PROVINCES, WEST																				
Khandwa ...	28·518	-·089	S 84 W	7·8 (d)	77·5	74·8	85·4	0·2	89	74·6	+0·5	72	89	+ 5	8·2	12·70	+6·21	14	+3·6	6·36
Hoshangabad ...	28·546	-·091	S 73 W	3·0	76·5	75·4	83·3	-1·2	89	75·2	+1·3	71	95	+ 5	9·7	27·77	+12·78	19	+3·5	4·58
Saugor ...	27·724	-·071	N 75 W	5·0	76·3	74·4	84·5	+0·9	87	73·3	+0·6	71	91	+ 3	8·3	17·31	+4·19	24	+8·6	2·67
Jubbulpore ...	28·198	-·095	N 85 W	3·2	77·5	75·5	85·2	+0·6	90	75·2	+1·2	73	91	+ 3	9·3	27·72	+10·85	25	+7·6	5·00
Seoni ...	27·514	-·067	S 75 W	3·0	75·1	73·0	82·0	-0·8	87	73·1	+1·7	71	91	+ 4	8·7	12·87	-0·32	19	+2·4	4·49
Nagpur ...	28·537	-·074	N 84 W	5·4	77·3	74·2	85·3	-1·5	91	71·6	0	72	84	+ 1	8·9	17·59	+5·55	23	+9·3	3·17
CENTRAL PROVINCES, EAST																				
Pendra ...	27·453	-·075	S 71 W	2·9	76·5	74·6	82·8	-0·2	87	73·7	+1·2	71	91	+ 1	7·9	20·31	+7·13	22	+4·0	2·83
Raipur ...	28·560	-·050	S 57 W	4·6	77·9	75·9	85·1	-0·6	92	75·4	+0·6	72	91	+ 2	8·8	24·13	+10·40	15	+2·4	9·33
Kanker ...	28·252	...	S 72 W	7·2	77·5	74·7	88·3	...	89	71·9	...	72	87	...	8·9	16·14	...	16	...	7·20
Chanda ...	28·123	-·093	S 53 W	6·5	79·1	76·1	86·2	-1·2	91	76·0	+0·9	71	85	+ 4	7·7	12·36	-0·66	11	-1·0	2·29
Jagdalpur ...	27·760	-·050	S 60 W	4·8	75·6	73·3	82·6	-0·9	87	72·6	+1·2	70	88	+ 1	9·3	21·86	+7·45	18	-1·7	8·00
KONKAN																				
Bombay ...	29·613	-·082	N 82 W	8·9	80·1	77·3	85·3	+0·4	88	76·8	+0·9	75	87	+ 1	9·1	23·71	+9·91	25	+5·8	9·56
Ratnagiri ...	29·494	-·069	S 65 W	9·3	79·6	76·7	82·4	-1·2	84	76·1	+0·6	70	87	0	6·2	27·71	+7·97	29	+5·3	4·10
Marmagao ...	29·555	-·046	S 50 W	15·8	79·5	76·6	82·7	-0·7	84	75·6	-0·1	73	87	- 4	8·3	20·93	+3·07	30	+7·5	4·36
Karwar ...	29·678	-·047	S 35 W	4·9	79·1	75·3	82·9	+0·4	85	75·5	+0·7	74	86	- 2	6·8	24·27	+2·89	29	+5·1	9·07
BOMBAY DECCAN																				
Malegaon ...	28·176	-·077	S 69 W	6·3	77·8	73·4	86·2	-0·9	92	72·9	+1·0	69	80	+ 3	9·3	2·19	-1·02	5	-0·9	1·03
Ahmadnagar ...	27·564	-·071	S 66 W	7·4	75·5	71·4	85·4	+0·5	89	71·0	+2·1	69	82	+ 3	9·4	0·97	-1·52	4	-0·9	0·33
Poona ...	27·831	-·065	S 85 W	5·7	75·2	71·7	80·7	-1·0	85	72·1	+1·6	71	84	+ 3	9·2	4·06	+0·40	13	+4·0	1·07
Sholapur ...	28·005	-·081	S 72 W	5·3	77·9	72·7	88·3	+0·3	92	72·2	+1·3	70	78	+ 2	6·8	1·81	-3·06	5	-2·6	0·70
Bijapur ...	27·747	-·050	S 84 W	10·0	75·7	71·3	86·5	-0·1	92	71·8	+2·0	69	80	0	8·9	0·16	-3·26	1	-3·5	0·14
Belgaum ...	27·175	-·049	S 68 W	5·8	79·1	69·0	75·8	-0·5	80	68·6	+2·2	67	95	+ 2	9·3	15·68	+6·01	28	+11·0	1·92
HYDERABAD, NORTH																				
Aurangabad ...	27·749	-·070	S 68 W	9·1	74·1	71·8	83·1	-1·8	87	70·8	+1·4	69	88	+ 5	9·8	5·09	+0·24	15	+6·0	1·06
Parbhani (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·47	+0·93	13	+4·4	1·20
Nizamabad ...	28·380	-·052	S 27 W	3·0	76·6	73·2	85·6	-0·8	90	73·6	+0·7	72	84	+ 3	6·6	7·88	-2·31	19	+4·9	0·99

(a) Reports only rainfall. (d) Mean of 28 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·178	-·053	S 64 W	11·9	76·6	71·7	88·9	+0·4	94	72·7	+1·3	70	78	- 2	8·0	2·17	-2·52	6	-2·5	0·57
Raichur ...	28·390	-·033	S 51 W	13·3	79·6	73·4	91·8	+2·2	96	74·6	+2·1	73	74	- 2	2·0	1·34	-3·08	3	-5·6	0·40
Hyderabad ...	27·952	-·037	S 86 W	5·2	75·6	71·8	86·6	+0·8	91	72·6	+0·1	71	82	+ 2	5·3	3·05	-3·22	7	-3·1	0·95
Hanamkonda ...	28·750	-·015	S 71 W	5·6	78·9	74·9	87·6	+0·4	92	76·2	+1·4	73	78	+ 7	8·0	5·11	-1·44	13	+2·4	1·20
MYSORE																				
Chitaldrug ...	27·349	-·036	S 71 W	8·5	72·6	70·0	82·0	-0·3	86	69·6	+1·4	68	88	+ 5	9·6	2·41	-0·59	11	+4·1	0·34
Bangalore ...	26·782	-·032	S 77 W	10·3	71·7	67·9	84·0	+2·0	87	67·6	+1·8	64	81	- 4	5·5	1·30	-4·08	4	-5·3	0·19
Mysore ...	27·281	-·044	S 59 W	8·4	72·2	69·4	81·8	-1·4	87	68·1	+1·4	66	85	+ 4	7·3	1·63	-1·93	5	-1·7	0·30
MALABAR																				
Mangalore ...	29·719	-·051	S 61 W	5·7	78·2	76·6	83·0	-0·6	86	71·4	+0·1	71	93	+ 4	9·6	48·64	+26·79	31	+6·2	9·15
Calicut ...	29·794	-·012	N 89 W	4·4	76·7	75·2	82·1	-0·4	87	73·9	-0·5	73	95	+ 3	9·7	49·89	+31·51	31	+11·3	3·85
Cochin ...	29·832	-·007	N 89 W	5·1	76·9	75·4	82·0	-2·0	85	74·2	-0·3	73	93	+ 7	9·4	44·15	+33·21	29	+10·7	4·47
Trivandrum ...	29·621	-·016	N 29 W	6·7	76·8	74·8	83·5	-2·0	87	71·5	-0·3	72	93	+ 7	8·9	15·32	+11·25	24	+14·8	1·98
MADRAS, SOUTHEAST																				
Palamcottah (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	-0·56	0	-1·0	0
Pamban ...	29·730	-·009	S 22 W	12·6	83·8	77·5	89·1	-0·2	94	80·5	+2·0	75	73	- 4	3·8	0·02	-0·71	0	-1·1	0·02
Madura ...	29·279	-·037	N 70 W	7·0	83·5	72·9	95·9	-0·3	101	78·7	+2·7	70	58	- 9	7·2	0·06	-2·70	2	-1·0	0·01
Negapatam ...	29·716	-·017	S 79 W	6·0	84·1	75·6	95·8	+1·8	99	79·4	+1·9	72	66	- 7	7·3	1·68	-1·31	2	-2·3	0·66
Trichinopoly ...	29·490	-·023	S 67 W	9·5	83·6	73·6	96·6	-0·6	99	73·5	+2·6	71	60	- 7	6·4	0·56	-3·27	3	-2·9	0·28
Coimbatore ...	28·415	-·030	S 24 W	3·9	76·8	72·3	84·7	-3·4	90	71·5	+0·6	70	82	- 1	7·5	1·65	+0·72	7	+4·2	0·40
Salem ...	28·926	-·037	S 37 W	6·1	77·6	73·2	92·3	+0·1	95	71·1	+1·2	72	89	0	7·0	4·55	-1·89	9	-1·5	1·36
Cuddalore ...	29·899	-·024	S 52 W	5·5	81·9	76·5	97·8	+3·8	101	73·6	+2·6	73	66	-11	6·5	1·97	-3·60	8	+0·5	0·52
Vellore ...	28·994	-·032	S 81 W	5·0	82·1	73·6	92·0	-1·3	97	73·0	+1·6	73	65	- 7	6·9	3·04	-3·24	5	-2·3	0·82
Madras ...	29·668	-·049	S 51 W	5·0	83·8	76·5	95·0	+0·5	99	78·5	+0·8	75	70	- 5	6·9	3·91	-0·73	10	+2·1	0·65
MADRAS, DECCAN																				
Cuddapah ...	29·274	-·014	N 54 W	7·5	84·2	75·0	96·1	+1·5	99	73·9	+2·5	71	64	- 6	7·0	0·42	-5·20	1	-7·0	0·24
Bellary ...	28·235	-·043	S 84 W	9·1	79·6	71·9	88·7	-2·2	93	75·6	+1·8	74	69	+ 2	6·5	0·21	-2·11	1	-3·1	0·14
Kurnool ...	28·769	-·010	S 90 W	14·6	80·4	72·8	91·2	+0·8	94	75·7	+1·6	73	69	- 8	8·2	3·05	-1·93	3	-6·1	2·34
MADRAS COAST, NORTH																				
Nellore ...	29·597	-·031	S 78 W	3·9	85·2	76·2	97·6	+1·8	102	81·4	+2·4	77	64	- 5	7·8	2·15	-1·12	5	-0·7	1·16
Masulipatam ...	29·624	-·056	N 82 W	4·5	82·4	76·7	91·2	-0·2	95	78·8	+1·1	75	77	- 5	5·8	3·09	-3·86	11	+0·2	0·90
Cocanada ...	29·588	-·049	S 82 W	6·4	81·0	77·5	89·2	-0·3	93	77·5	-0·9	75	85	+ 2	8·2	6·52	+1·04	14	+4·4	1·11
Vizagapatam ...	29·444	-·061	S 84 W	6·1	82·0	77·3	90·4	+1·6	96	79·4	+1·2	77	81	+ 1	8·8	1·35	-4·01	3	-5·4	0·45
Calingapatam ...	29·537	-·063	S 70 W	9·2	83·6	79·7	90·8	+0·9	96	79·8	+0·6	76	83	- 1	7·4	5·25	-3·70	9	-1·0	1·42
Gopalpur ...	29·479	-·062	S 37 W	7·9	83·9	80·5	88·0	+0·4	95	79·9	+1·0	76	85	- 1	7·6	3·32	-4·93	11	-0·1	0·75
HILL STATIONS, EXCLUDING KASHMIR AND BALUCHISTAN																				
Maymyo ...	26·213	-·047	S 45 W	1·3	72·1	70·0	79·2	+3·0	84	68·1	+2·2	61	93	- 1	6·7	5·45	-3·96	13	-2·1	0·76
Shillong ...	24·933	-·043	N 72 E	2·1	70·9	67·4	77·1	+2·2	81	65·9	+1·3	61	83	- 3	8·4	7·19	-7·17	15	-4·8	1·30
Cherrapunji ...	25·476	-·051	S 77 E	3·5	69·9	66·0	74·6	+2·4	80	66·7	+1·7	61	93	- 5	8·1	26·97	-52·87	24	-2·7	4·85
Darjiling ...	22·810	-·045	N 88 E	3·5	61·9	62·1	67·8	+1·3	74	55·9	+1·3	51	85	-10	9·0	16·36	-9·76	19	-5·1	2·68
Mukteswar ...	22·697	-·019	S 53 E	3·3	62·9	61·4	69·1	+0·3	72	60·2	+3·0	58	92	- 2	7·6	8·48	-3·37	16	-1·0	1·30
Mussooree ...	23·229	...	S 13 W	2·9	64·4	63·6	69·1	...	72	61·5	...	60	95	...	8·6	37·64	+11·20	26	+3·6	11·09
Simla ...	22·952	-·023	S 19 E	1·1	64·3	63·1	69·5	+0·8	78	61·3	+2·1	58	95	+ 9	9·2	7·52	- 9·50	17	-2·5	1·11
Dharampore (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9·03	...	14	...	1·61
Dalhousie (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19·71	...	24	...	2·39
Murree ...	...	...	N 45 W	3·4	67·4	64·7	76·5	+2·7	80	63·4	+2·5	58	83	+ 4	5·3	17·37	+2·69	18	+3·4	3·40
Cherat ...	25·466	-·035	S 31 E	6·7	76·3	71·9	88·3	+2·2	96	71·8	+1·9	63	80	+ 5	3·5	2·06	-2·24	2	-4·1	1·23
Parachinar ...	24·253	-·019	S 67 E	3·0	77·1	66·9	87·3	+2·3	91	67·4	+2·5	60	60	- 3	3·2	1·12	-2·51	5	-2·7	0·35
Drosh ...	...	...	N 45 E	3·5	77·7	66·5	98·4	+2·9	103	74·0	+1·8	63	56	- 1	2·5	0·09	-0·61	0	-2·3	0·06
Mount Abu ...	25·752	-·063	S 63 W	5·1	68·9	68·5	73·3	+1·2	81	67·1	+2·7	65	97	+ 2	9·8	55·74	+33·43	26	+8·6	7·07
Pachmarhi ...	26·157	-·058	N 78 W	4·5	69·5	68·9	74·2	-0·6	80	67·9	+0·9	66	97	+ 4	10·0	46·14	+22·94	31	+9·5	6·92
Mercara ...	26·109	-·005	S 72 W	10·8	65·2	65·1	68·0	-1·4	72	63·3	+1·5	61	100	+ 4	9·8	61·39	+35·94	30	+3·7	5·12
Kodaikanal ...	22·723	-·022	N 82 W	8·9	57·6	54·3	62·8	-0·2	66	53·5	+2·3	51	80	+ 2	7·8	5·61	-1·38	12	-0·1	2·05
Coonoor ...	23·360	...	S 36 W	2·4	65·4	60·0	71·5	...	74	60·2	...	56	73	...	8·4	2·84	...	11	...	0·40
CEYLON																				
Colombo ...	29·823	+·002	S 57 W	5·8	79·2	76·6	84·4	-1·5	88	76·4	-0·8	72	86	+ 2	8·3	9·11	+5·81	18	+11·7	1·48

(a) Reports only rainfall.

Y. P. P.—S 1642—500—15-9-31

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MONTHLY WEATHER REPORT

FOR

September 1931

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WEATHER BUREAU

Supplement to the Indian Daily Weather Report for the 17th October 1931

Published by order of the Governor-General in Council

Summary.—Strong monsoon in the United Provinces, normal monsoon in the Madras Presidency, the Deccan, central India, the Punjab, the North-West Frontier Province, northeast India and Burma and weak monsoon elsewhere.

The Bay depression which crossed coast near Chandbali on the 1st morning persisted as a low pressure area over Orissa till the 4th and became unimportant thereafter. It caused an influx of moist winds from the Bay and the monsoon was strong from Upper Burma to the United Provinces and in and near the Punjab hills up to the 8th and in the Central Provinces on the first five days of the month. A temporary withdrawal of the monsoon occurred in central India after the 5th and in the Punjab and the United Provinces after the 10th. The monsoon was weak in Lower Burma during the first fortnight and in northeast India between the 9th and the 15th; in the south Deccan and south Madras fairly widespread thunderstorm rain occurred during the second week.

In connection with a strengthening of the monsoon in the south Bay of Bengal conditions became unsettled in the central Bay after the 13th and a low pressure wave passed inland over the north Madras coast on the 19th; it reached the Central Provinces by the 22nd and became unimportant thereafter. As a result the monsoon again revived in the central parts of the country and was strong in the Peninsula and central India between the 16th and the 23rd. With a further strengthening of the Bay monsoon conditions again became unsettled in the central Bay and a depression formed by the 22nd morning with central region near Latitude 18°N, Longitude 88°E. The depression slowly moved northwestwards and crossing the north Madras coast near Vizagapatam reached the west Central Provinces on the 26th where it persisted for two days and then filled up. It was responsible for the maintenance of a strong monsoon in Hyderabad and central parts of the country up to the 27th, and for the strengthening of the monsoon in southwest Bengal, Orissa, and Chota Nagpur on the 24th, 25th and 26th and for its revival in the United Provinces and in and near the Punjab hills between the 23rd and the 28th. In connection with the northwestward passage of unsettled conditions from the Bay, a low pressure area appeared over north Hyderabad on the 30th and widespread and locally heavy rain continued in Hyderabad and the Central Provinces on the last two days of the month. The monsoon was active in Burma during the second fortnight and in Assam during the last week.

2. The month's rainfall was in large excess in the United Provinces, east Central India, Berar and south Hyderabad, in moderate excess in Bihar, the North-West Frontier Province, the west Central Provinces and Mysore and within 20 per cent of the normal in Burma, Assam, Bengal, Orissa, Chota Nagpur, the Punjab, the east Central Provinces, the Bombay Deccan, north Hyderabad and the Madras Presidency; it was in moderate defect in the Bay Islands, Kashmir and the Konkan and in large defect elsewhere. Averaged over the plains of India the month's rainfall was in excess by 1 per cent.

3. Maximum temperature was below normal from Upper Burma to the Punjab on the 5th and 6th, in west Rajputana during the first fortnight, in Berar during the first week and from the 24th to 29th and in north Hyderabad and the east and north Punjab during the latter period; it was above normal in west Rajputana from the 18th to 23rd. Both the mean monthly maximum and minimum temperatures were within 2°F of the normal over the country except in the Madras Deccan where the mean maximum temperature was below normal.

Summary of the Local Conditions

Burma, including the Bay Islands.—The month's rainfall was in slight excess in Upper Burma, in slight defect in Lower Burma and in moderate defect in the Bay Islands. Other climatic elements were normal except humidity which was in defect in the Bay Islands.

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Northeast India, including Orissa.—The total rainfall for the month was in moderate excess in Bihar, normal in Bengal and Orissa and in slight defect in Assam and Chota Nagpur. Skies were more clouded than usual in Assam and Bihar and Orissa. Other climatic elements were normal.

The United Provinces, Central India and the Central Provinces.—Rainfall for the month was in large excess in the United Provinces, east Central India and Berar, in moderate excess in the west Central Provinces, normal in the east Central Provinces and in large defect in west Central India. Cloud amount was more than usual in the United Provinces, east Central India and the east Central Provinces. Humidity was above normal in Berar. Temperatures were normal.

Northwest India.—The month's rainfall was in moderate excess in the North-West Frontier Province, normal in the east and north Punjab, in slight defect in the southwest Punjab, in moderate defect in Kashmir and in large defect elsewhere. Cloud proportion was higher than usual in the east and north Punjab, the North-West Frontier Province, Baluchistan, east Rajputana and lower than usual in Gujarat. Humidity was above normal in the southwest Punjab and Kashmir. Temperatures were normal.

The Peninsula.—The total rainfall for the month was in large excess in south Hyderabad, in moderate excess in Mysore, in slight excess in north Hyderabad and normal in the Bombay Deccan, southeast Madras and the north Madras coast; it was in slight defect in Malabar and the Madras Deccan and in moderate defect in the Konkan. Skies were more clouded than usual in the Bombay Deccan and north Hyderabad. Humidity was above normal in Hyderabad, and below it in southeast Madras. Maximum temperature was below normal in the Madras Deccan.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 33 sub-divisions. Table III contains the monthly means of the 8 hrs. (local time) observations published in the Indian Daily Weather Reports; the divisional means, Tables I and II, are based on these observations.

POONA:
The 7th October 1931.

C. W. B. NORMAND,
Director-General of Observatories.

Division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
Burma ...	13·65	15·83	−2·18	− 14	+0·1	+0·9	0	+1·1
Assam ...	10·09	11·29	−1·20	− 11	−1·0	−0·8	0	+1·5
Bengal ...	11·81	11·82	−0·01	0	+0·5	+0·4	0	+0·8
Bihar and Orissa ...	10·06	9·40	+0·66	+ 7	−0·1	+0·3	0	+1·5
United Provinces ...	13·13	6·72	+6·41	+ 95	−1·4	+0·4	+ 4	+2·6
Punjab ...	2·68	2·77	−0·09	− 3	−0·8	+0·3	+ 3	+0·4
North-West Frontier Province.	0·99	0·68	+0·31	+ 46	+1·1	+1·3	+ 1	+0·5
Sind ...	0	0·41	−0·41	−100	+0·9	+0·6	− 2	0
Rajputana ...	0·74	3·05	−2·31	− 76	−0·7	−0·5	0	+0·5
Bombay ...	4·07	5·87	−1·80	− 31	−0·1	+0·7	0	+0·9
Central India ...	5·97	6·03	−0·06	− 1	−0·1	+0·7	+ 2	+1·2
Central Provinces ...	9·85	7·67	+2·18	+ 28	−0·5	+0·9	+ 3	+1·0
Hyderabad ...	10·19	7·52	+2·67	+ 36	−1·0	+0·6	+ 6	+0·6
Mysore ...	6·85	5·48	+1·37	+ 25	+0·1	+0·5	0	0
Madras ...	5·23	5·65	−0·42	− 7	−0·8	+0·6	− 2	+0·5
Mean of India ...	7·66	7·60	+0·06	+ 1	−0·3	+0·5	+ 1	+0·9

TABLE II, SEPTEMBER 1931

Sub-division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
1. Bay Islands ...	12·46	18·07	− 5·61	− 31	+ 0·3	+0·6	− 7	+0·1
2. Lower Burma ...	17·80	21·68	− 3·88	− 18	+ 0·8	+1·0	− 1	+1·1
3. Upper Burma ...	8·31	7·48	+ 0·83	+ 11	− 0·8	+0·8	0	+1·2
4. Assam ...	10·09	11·29	− 1·20	− 11	− 1·0	−0·8	0	+1·5
5. Bengal ...	11·81	11·82	− 0·01	0	+ 0·5	+0·4	0	+0·8
6. Orissa ...	9·42	9·93	− 0·51	− 5	+ 0·1	+0·6	+ 1	+1·3
7. Chota Nagpur ...	7·68	8·79	− 1·11	− 13	− 0·3	+0·3	− 1	+1·9
8. Bihar ...	11·87	9·45	+ 2·42	+ 26	− 0·1	+0·1	− 1	+1·5
9. United Provinces, East ...	11·47	7·23	+ 4·24	+ 59	− 0·9	+0·9	+ 3	+2·3
10. Do. do. West ...	14·56	6·27	+ 8·29	+132	− 1·9	−0·1	+ 4	+2·9
11. Punjab, East and North ...	3·61	3·60	+ 0·01	0	− 0·9	−0·1	+ 2	+0·7
12. Do. Southwest ...	1·05	1·31	− 0·26	− 20	− 0·7	+1·0	+ 5	−0·1
13. Kashmir ...	0·96	1·44	− 0·48	− 33	− 0·6	+1·7	+ 7	+0·3
14. North-West Frontier Province ...	0·99	0·68	+ 0·31	+ 46	+ 1·1	+1·3	+ 1	+0·5
15. Baluchistan ...	0·07	0·25	− 0·18	− 72	− 1·6	0	0	+0·4
16. Sind ...	0	0·41	− 0·41	−100	+ 0·9	+0·6	− 2	0
17. Rajputana, West ...	0·07	1·97	− 1·90	− 96	− 1·0	−0·5	− 1	0
18. Do. East ...	1·07	3·59	− 2·52	− 70	− 0·5	−0·5	0	+0·8
19. Gujarat ...	1·51	3·19	− 1·68	− 53	− 0·1	+0·9	0	−1·1
20. Central India, West ...	2·39	5·69	− 3·30	− 58	− 1·2	+0·7	0	+0·9
21. Do. do. East ...	9·56	6·37	+ 3·19	+ 50	+ 1·1	+0·6	+ 4	+1·5
22. Berar ...	9·45	5·95	+ 3·50	+ 59	− 1·5	+0·9	+ 5	+0·5
23. Central Provinces, West ...	11·12	7·71	+ 3·41	+ 44	− 0·6	+0·7	+ 3	+0·9
24. Do. do. East ...	8·14	8·46	− 0·32	− 4	+ 0·2	+1·1	+ 3	+1·3
25. Konkan ...	7·04	11·02	− 3·98	− 36	0	+0·4	− 3	−0·2
26. Bombay Deccan ...	5·49	6·01	− 0·52	− 9	− 0·3	+0·7	+ 1	+1·4
27. Hyderabad, North ...	9·45	8·03	+ 1·42	+ 18	− 1·7	+0·7	+ 7	+1·8
28. Do. South ...	10·74	7·13	+ 3·61	+ 51	− 0·7	+0·6	+ 5	0
29. Mysore ...	6·85	5·48	+ 1·37	+ 25	+ 0·1	+0·5	0	0
30. Malabar ...	6·57	7·82	− 1·25	− 16	− 0·3	+0·1	0	+0·7
31. Madras, Southeast ...	3·97	4·26	− 0·29	− 7	− 0·4	+1·0	− 5	+0·3
32. Do. Deccan ...	4·95	5·84	− 0·89	− 15	− 2·1	+0·4	0	+0·2
33. Do. Coast North ...	6·58	6·42	+ 0·16	+ 2	− 0·9	+0·4	+ 2	+0·8

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BAY ISLANDS																				
Port Blair ...	29·733	-·014	S 76 W	3·6	79·9	75·9	85·2	+0·2	89	77·2	+0·6	73	82	- 7	7·8	12·46	-5·61	10	- 1·0	2·93
LOWER BURMA																				
Victoria Point ...	29·691	0	S 32 E	3·5	78·8	76·6	83·1	-0·1	86	74·8	+0·7	73	90	+ 2	7·3	45·85	+19·96	27	+ 5·1	4·11
Mergui ...	29·753	-·017	...	...	77·3	76·4	85·8	+1·4	89	75·7	+2·9	73	96	+ 2	8·1	13·19	-13·21	22	- 0·9	2·59
Tavoy ...	29·803	-·012	N 72 E	1·9	78·5	75·5	86·5	+2·3	90	74·7	+0·5	73	91	- 2	7·8	15·61	-17·45	20	- 2·6	2·95
Amherst ...	29·745	...	S 27 E	5·7	79·4	77·0	85·2	...	88	75·6	...	73	89	...	8·8	12·53	...	23	...	1·95
Rangoon ...	29·783	+·005	S 13 E	2·9	79·6	77·9	87·0	+1·1	91	77·4	+1·4	74	91	- 1	9·2	17·33	+2·66	20	+ 0·3	3·02
Bassein ...	29·763	+·006	S 4 E	2·9	80·6	78·2	88·3	+2·5	91	76·3	+0·2	74	89	- 1	9·0	11·03	-4·17	20	0	1·48
Diamond Island ...	29·735	-·006	S 13 W	5·1	81·6	78·4	85·7	+1·0	88	78·3	+1·8	75	86	0	8·4	5·96	-12·02	17	- 0·7	1·15
Gwa ...	29·768	...	S 57 E	3·8	80·8	78·5	86·3	...	89	76·2	...	74	90	...	9·1	14·61	...	18	...	2·51
Toungoo ...	29·643	+ 014	...	...	78·9	75·7	88·1	-0·9	93	75·8	+0·6	74	80	0	8·9	13·07	+0·99	17	- 0·6	2·30
Kyaukpyu ...	29·748	+·016	S 59 E	3·9	81·0	78·8	86·5	+0·6	91	77·3	+0·9	75	89	+ 1	7·5	17·93	-2·70	23	+ 2·0	4·61
Akyab ...	29·742	+·007	S 89 E	8·1	80·4	78·2	86·0	-0·1	90	77·4	0	75	90	- 3	8·8	19·60	-2·97	19	- 0·1	4·07
UPPER BURMA																				
Minbu ...	29·593	-·007	S 89 E	3·9	80·9	77·7	90·2	-0·1	95	77·0	+0·3	72	86	+ 1	6·4	3·25	+2·06	12	+ 2·4	1·96
Yamethin ...	29·135	+·006	S 3 E	3·7	78·9	76·2	89·8	-0·8	95	75·4	+0·7	72	88	+ 1	7·7	11·84	+4·48	13	+ 2·4	2·52
Mandalay ...	29·513	-·010	S 20 E	3·6	80·5	77·7	91·2	-1·2	97	78·0	+0·9	71	88	+ 6	7·9	8·68	+2·04	13	+ 4·4	1·25
Monywa ...	29·495	+·005	S 49 E	1·8	80·9	77·6	91·3	-0·8	97	77·8	0	73	86	0	7·5	4·02	-1·87	8	+ 0·1	0·88
Lashio ...	27·622	+·008	S 15 E	2·7	72·8	70·6	83·1	-0·6	87	69·3	+1·3	66	83	- 2	8·4	6·35	-1·49	9	- 4·7	2·51
Bhamo ...	29·379	+·002	N 32 W	1·6	78·7	76·5	88·6	-1·1	93	75·8	+1·7	71	93	- 2	8·6	10·70	+0·81	11	- 1·9	2·14
Myitkyina ...	29·261	+·015	S 71 E	2·2	78·2	75·9	88·6	0	95	75·2	+0·5	73	93	- 1	9·2	8·65	-1·13	11	+ 1·4	2·43
ASSAM																				
Dibrugarh ...	29·410	+·008	N 32 E	1·5	77·1	75·8	86·2	-1·2	91	74·3	-0·4	71	93	+ 1	7·7	12·93	+0·42	19	+ 4·7	2·83
Sibsagar ...	29·442	+·012	N 56 E	3·3	79·1	77·0	87·7	+0·1	94	75·8	-0·4	72	91	- 2	9·7	10·99	-1·61	15	+ 0·4	2·75
Tezpur ...	29·509	+·018	E	1·5	78·9	77·0	87·5	-1·1	91	76·2	-0·3	72	91	0	9·4	7·35	-0·83	12	- 0·1	1·65
Gauhati ...	29·559	+·003	N 81 E	1·7	80·1	77·7	87·8	-1·7	93	73·6	-2·8	70	89	+ 2	8·3	6·37	-0·25	9	- 1·3	1·95
Dhubri ...	29·607	-·012	N 59 E	4·8	79·3	77·5	83·6	-1·9	91	76·5	-0·7	74	91	0	7·6	10·64	-3·53	18	+ 9·2	1·49
Silchar ...	29·670	+·014	S 83 E	1·2	79·8	77·7	89·7	-0·1	97	75·9	-0·3	73	91	+ 1	8·4	13·00	-1·41	22	+ 6·7	1·87
BENGAL																				
Cox's Bazar ...	29·718	+·019	S 76 E	2·7 (c)	81·7	78·6	86·2	-0·3	91	76·8	+1·3	75	87	- 3	8·0	14·76	-0·64	15	+ 0·4	2·35
Chittagong ...	29·672	+·016	S 53 E	5·6	80·0	77·3	88·3	+1·4	93	76·9	+0·6	75	89	0	7·8	12·17	+0·24	14	+ 1·2	3·75
Narayanganj ...	29·731	0	S 10 E	3·9	83·0	79·4	89·6	+1·2	94	79·3	+0·6	75	85	- 2	7·9	11·36	+2·33	13	+ 1·0	2·92
Barisal ...	29·718	+·016	S 37 E	3·4	82·6	79·8	88·3	+0·3	93	78·7	+0·7	75	87	- 1	7·1	6·74	-1·11	12	- 2·7	1·24
Jessore ...	29·689	+·003	S 55 E	3·3	83·1	80·5	87·9	-1·3	94	77·8	-0·5	74	89	+ 1	6·1	7·61	-0·94	12	+ 0·2	2·12
Calcutta ...	29·630	+·012	S 55 E	2·6	82·1	80·2	89·7	+1·5	94	79·3	+1·2	75	91	+ 4	7·0	13·65	+2·79	15	+ 1·8	2·12
Sangor Island ...	29·650	-·002	S 27 E	9·3	83·9	80·2	86·7	-1·4	91	80·4	+0·9	76	85	- 2	7·3	11·44	+0·68	10	- 3·9	2·27
Burdwan ...	29·630	-·002	S 48 E	2·3	81·5	79·7	91·2	+1·5	94	78·6	-0·1	74	91	+ 4	5·5	11·14	+2·51	13	+ 1·7	3·31
Berhampore ...	29·662	+·022	S 4 E	2·5	83·6	80·7	91·0	+2·0	96	78·5	-0·1	75	87	- 2	7·5	8·51	-1·61	13	+ 1·0	1·62
Mymensingh ...	29·681	+·010	S 45 E	1·2	81·4	79·1	87·9	+0·2	93	77·9	+0·1	75	89	- 1	7·6	7·65	-6·08	10	- 5·0	2·59
Bogra ...	29·670	+·015	S 50 E	2·5	82·8	79·8	90·2	+1·6	94	78·6	+0·9	76	87	- 1	9·2	9·49	-2·18	11	- 1·8	3·80
Dinajpur ...	29·595	+·015	S 61 E	2·3	81·5	78·7	88·1	-0·5	93	77·7	-0·1	74	87	- 2	8·1	17·05	+4·75	16	+ 5·5	3·14
Jalpaiguri ...	29·465	+·010	N 79 E	2·0	78·3	77·3	87·8	-0·1	93	75·3	-0·4	72	95	+ 4	7·1	22·35	+2·41	22	+ 6·3	4·50
ORISSA																				
Balasore ...	29·636	+·010	S 68 W	4·0	83·0	80·9	88·3	-0·6	93	79·0	+1·2	76	87	0	8·1	10·90	-0·82	13	- 0·1	2·29
Chandbali ...	29·632	...	S 9 W	4·6	83·3	79·9	88·3	...	93	78·8	...	75	85	...	5·7	7·19	...	14	...	1·12
Cuttack ...	29·609	+·004	S 18 E	2·2	82·9	79·7	90·0	-0·1	95	79·1 (m)	+1·0	77	87	+ 4	7·1	9·73	+0·16	17	+ 4·7	1·17
Sambalpur ...	29·207	-·007	S 34 E	3·4	81·7	77·8	89·9	+1·1	93	76·5	-0·5	75	83	- 1	6·4	7·63	-0·88	8	- 3·3	4·00
CHOTA NAGPUR																				
Chaibasa ...	28·957	+·009	S 63 E	2·6	81·2	77·3	89·0	-0·4	93	76·6	+0·8	74	83	- 3	8·0	5·92	-2·13	11	- 0·4	1·15
Ranchi ...	27·576	+·019	S 16 E	3·2	77·1	73·8	83·9	-0·2	87	71·9	-0·1	69	84	0	7·6	8·91	-0·23	11	- 0·9	3·27
Hazaribagh (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8·20	-0·99	11	- 0·8	1·35

(a) Reports only rainfall. (c) Mean of 29 days. (m) Mean of 19 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BIHAR																				
Purnea ...	29·597	+·011	S 40 E	2·0	80·8	78·5	87·3	-1·6	92	77·3	-0·2	74	89	- 1	6·9	16·53	+4·09	17	+ 5·8	4·27
Darbhanga ...	29·529	-·004	S 87 E	3·9	81·4	78·3	87·5 (c)	-1·2	94	77·8 (c)	-0·6	73	87	+ 1	7·9	9·31	+0·35	9	- 0·1	2·55
Patna ...	29·521	+·012	S 72 E	4·2	83·3	79·5	90·9	+0·4	95	79·4	+0·6	73	83	0	7·5	7·51	-0·82	7	- 2·2	3·84
Gaya ...	29·520	+·006	S 45 E	3·4	84·0	78·6	92·6	+1·8	97	78·5	+0·7	72	77	- 4	5·8	6·65	-1·29	8	- 1·3	1·70
Naya Dumka ...	29·223	+·018	S 51 E	2·5	81·8	78·3	89·1	+0·1	92	76·5	0	74	85	0	6·6	19·33	+9·77	11	- 1·5	7·78
UNITED PROVINCES, EAST																				
Gorakhpur ...	29·415	-·018	S 89 E	2·8	81·9	79·0	89·5	-0·8	95	78·1	+0·9	75	87	+ 3	6·9	7·90	-0·17	9	+ 0·1	3·23
Benares ...	29·424	-·005	S 58 E	3·6	83·1	79·2	90·9	0	97	78·6	+1·5	73	83	0	7·4	11·14	+4·02	11	+ 2·3	3·39
Allahabad ...	29·368	-·006	S 58 E	4·3	83·6	78·9	90·9	-0·6	97	77·7	+0·8	75	83	+ 2	6·9	12·79	+7·12	8	+ 0·3	3·26
Cawnpore (c) ...	29·259	-·007	N 25 W	1·8	82·0	77·9	91·3	-0·8	97	77·4	+0·7	73	83	+ 3	4·7	13·88	+7·14	10	+ 3·1	4·51
Lucknow ...	29·302	-·005	N 78 E	2·6	82·1	78·7	90·6	-1·2	97	77·3	+0·9	74	85	+ 4	7·0	10·04	+2·97	10	+ 2·2	2·49
Babraich ...	29·266	-·009	S 62 E	2·8	81·4	78·4	88·8	-2·3	95	77·2	+0·7	73	87	+ 6	6·5	13·03	+4·36	9	+ 2·1	4·45
UNITED PROVINCES, WEST																				
Jhansi ...	28·880	-·018	S 85 W	2·3	80·4	76·7	90·0	-1·8	96	75·3	-0·7	71	85	+10	6·8	9·92	+4·00	11	+ 3·9	1·84
Agra ...	29·117	-·016	S 53 W	3·4	80·5	76·6	90·6	-3·1	98	75·3	-0·3	71	83	+ 3	6·9	9·77	+5·72	13	+ 7·6	2·16
Mainpuri ...	29·150	-·013	S 31 W	1·8	81·3	77·4	91·3	-1·5	100	73·6	-2·4	71	83	+ 5	7·3	18·61	+14·23	13	+ 7·1	7·24
Bareilly ...	29·123	+·012	S 53 E	2·3	79·9	77·0	88·8	-2·0	96	76·4	+0·7	73	87	+ 5	6·8	18·35	+10·88	13	+ 6·4	3·67
Meerut (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19·64	+13·57	10	+ 5·0	5·63
Roorkee ...	28·757	-·004	S 48 E	2·8	78·8	74·8	88·3	-2·3	94	71·6	+1·5	71	82	+ 1	5·2	12·03	+5·76	12	+ 6·3	3·53
Dehra Dun ...	27·479	-·010	S 82 E	1·1	73·8	70·5	84·1	-0·5	89	70·6	+0·7	66	84	+ 1	6·9	13·56	+3·84	19	+ 8·3	3·17
PUNJAB, EAST AND NORTH																				
Delhi ...	28·930	-·007	N 79 W	3·2	81·2	76·5	92·9	-0·1	101	74·2	-2·9	70	81	+10	5·2	5·64	+0·86	7	+ 2·5	2·21
Hissar ...	28·956	-·031	S 45 W	5·8	81·3	74·5	91·7	-3·2	100	73·5	-2·2	69	71	+ 5	2·1	4·00	+1·64	4	+ 1·6	2·03
Ambala ...	28·779	-·011	S 53 E	2·5	80·2	75·0	93·2	-0·3	99	75·9	+1·3	70	78	- 1	4·3	4·89	+0·29	6	+ 1·4	2·76
Ludhiana ...	28·865	-·036	S 23 E	1·5	81·5	75·1	94·6	+0·3	101	74·6	-0·6	70	73	- 1	1·9	3·39	-0·85	3	- 0·9	2·35
Lahore ...	28·962	-·005	S	1·1	82·2	75·3	94·9	-3·0	101	74·4	+0·6	70	75	+ 5	2·0	2·24	-0·12	2	- 0·6	1·13
Sialkot ...	28·817	-·032	S 86 E	2·3	80·6	75·8	94·4	-0·5	99	75·4	+1·6	67	78	+ 5	2·6	1·81	-1·66	3	- 0·6	1·02
Rawalpindi ...	28·422	-·010	S 85 E	1·7	81·7	71·0	94·0	+0·6	98	70·6	+1·5	65	58	-11	3·3	3·31	-0·15	6	+ 1·6	1·08
PUNJAB, SOUTHWEST																				
Khushab ...	29·043	-·021	N 77 E	4·4	83·7	75·0	97·1	-1·7	102	75·5	+0·7	72	66	+ 5	1·9	0·71	-0·30	2	0	0·43
Lyallpur (c) ...	29·075	+·030	S 7 E	3·8	83·0	71·9	96·1	-1·4	103	75·7	+1·3	72	67	+ 1	2·1	2·51	+0·51	2	- 0·6	2·28
Montgomery ...	29·034	-·014	S 1 W	3·9	83·1	76·0	97·5	-2·1	105	76·4	+0·6	72	71	+14	0·8	0·98	-0·56	2	+ 0·2	0·70
Multan ...	29·010	-·016	S 1 E	2·6	86·4	76·9	102·6	+2·2	110	79·0	+1·3	71	63	- 2	0·5	0	-0·41	0	- 0·7	0
Bahawalpur ...	29·060	...	S 16 W	3·2	84·4	77·0	100·7	...	106	76·5	...	69	70	...	0·2	0	...	0	...	0
Khanpur ...	29·387	...	S 42 W	3·7	81·2	76·1	103·1	...	107	77·4	...	71	68	...	0·6	0	...	0	...	0
KASHMIR																				
Srinagar ...	24·793	-·013	S 55 E	2·2	62 8	55·8	84·8	+1·5	91	54·8	+1·1	47	73	-11	2·6	0·29	-1·49	1	- 2 8	0·12
Gulmarg ...	21·849	+·0·8	N 79 E	2·6	58·4	53·7	65·7	+2·0	69	44·3	+1·4	38	75	- 1	2 7	1·53	-1·21	4	- 1·6	0 62
Sonamarg (c) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·27	-0·21	11	+ 3·5	0 67
Dras ...	20·790	+·0·9	Calm	5·6	51·1	45·6	67·9	-1·3	73	41·5	+4·4	37	69	+ 6	2·4	0·55	-0·36	1	- 0·6	0·20
Leh ...	19·714	+·007	S 9 W	1·8	50·3	43·8	69·6	-0·5	76	44·0	+2·3	39	63	+13	4·4	0·55	+0·29	2	+ 1·3	0·30
Skardu ...	22·831	+·021	Calm	1·3	61·7	57·0	78·7	+0·5	85	55·0	+1·2	45	77	+29	4·0	0·18	-0·54	0	- 1·2	0·06
Gilgit ...	24·968	-·067	Calm	0·3	68·0	60·5	81·7	-5 6	89	63·4	-0·2	57	64	+12	5·1	0·43	+0·06	2	+ 0·8	0·19
NORTH-WEST FRONTIER PROVINCE																				
Peshawar ...	28·511	-·025	N 3 W	2·5	82·0	70·5	97·3	+2·5	101	74·0	+2·6	69	55	+ 7	2·2	0·34	-0·47	1	- 0·6	0·33
Dera Ismail Khan ...	29·079	-·006	N 50 E	2·4	84·3	74·7	99·3	-0·3	103	75·3	0	71	63	- 6	1·8	1·65	+1·10	1	+ 0·1	1·65
Miranshah (d) ...	25·685	...	Calm	1·0	80·6	69·5	92·5	...	99	70 8	...	61	57	...	0	0·76	...	1	...	0·76
BALUCHISTAN																				
Fort Sandeman ...	25·293	+·007	N 45 W	1·7	70·3	58·4	92·1	-0·5	99	66·4	+1·2	60	47	- 7	2·2	0	-0·64	0	- 1·4	0
Harnai (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·40	-0·77	1	- 1·3	0·35
Quetta ...	24·619	+·006	S 22 E	3·4	58·2	45·1	87·7 (s)	+1·9 (s)	95	51·0	-3·1	44	31	+ 7	0·9	0	-0·67	0	- 0·2	0
Chaman ...	25·558	-·034	S 40 E	3·0	71·5	56·1	86·5	-6·3	99	65·3	+2·6	56	35	- 1	0·4	0	0	0	0	0
Kalat ...	23·686	-·012	S 9 E	5·4 (c)	54·6	43·8	83·4	-1·1	90	42·9	+1·2	37	40	- 4	0·9	0	-0·05	0	- 0·1	0
Dalbandin ...	26·963	-·012	Calm	1·6	65·1	51·8	97·6	-1·9	107	59·5	-2·1	53	35	+ 5	0	0	0	0	0	0

(a) Reports only rainfall. (c) Mean of 29 days. (d) Mean of 28 days. (s) Mean of 13 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIND																				
Jacobabad ..	29·415	- ·028	S 57 E	3·1	82·5	74·6	102·7	- 0·9	107	78·3	+1·8	73	67	- 3	0·5	0	- 0·21	0	- 0·4	0
Hyderabad (c) ...	29·373	- ·016	S 41 W	9·5	83·6	74·3	101·7	+4·5	108	77·0	+ 0·8	74	62	- 7	1·2	0	- 0·69	0	- 0·8	0
Karachi ...	29·704	- ·014	S 52 W	9·4	78·4	75·5	84·8	- 0·9	86	75·6	- 0·9	73	86	+ 4	5·1	0	- 0·42	0	- 0·6	0
RAJPUTANA, WEST																				
Bikaner ...	28·931	+ ·012	S 15 W	4·6	82·1	73·4	93·1	- 2·1	102	77·2	- 1·4	74	65	0	0·9	0	- 1·47	0	- 2·2	0
Jodhpur ...	28·920	- ·022	S 48 W	4·4	81·7	73·4	94·9	+ 0·1	103	75·9	+ 0·4	72	66	- 2	5·2	0·14	- 2·32	0	- 2·8	0·03
RAJPUTANA, EAST																				
Jaipur ...	28·301	+ ·005	N 57 W	2·8	81·5	74·2	92·9	- 1·0	99	73·5	- 0·1	69	69	0	3·1	0·51	- 2·90	2	- 2·9	0·33
Ajmer ...	28·124	0	S 67 W	4·2	79·9	72·2	90·7	+ 0·4	97	73·5	- 1·0	68	69	- 6	4·3	0·14	- 2·52	0	- 3·9	0·07
Kotah ...	28·865	- ·005	N 62 W	3·0	83·9	76·6	91·7	- 0·9	98	76·5	- 0·5	73	73	+ 6	5·5	3·41	- 1·60	4	- 1·6	2·30
Jhalrapatan ..	28·659	...	N 81 W	2·5	79·4	71·9	88·9	...	94	74·2	...	70	80	...	6·3	3·66	...	5	...	1·14
Udaipur (c) ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·22	- 3·64	0	- 5·2	0·03
GUJARAT																				
Deesa ...	29·255	- ·026	S 50 W	5·7	80·6	75·6	93·3	- 0·1	104	74·8	+ 0·7	70	78	+ 1	5·6	0·76	- 2·78	3	- 0·7	0·41
Bhuj ...	29·375	- ·027	S 80 W	6·4	80·9	75·0	92·6	+ 0·6	101	76·6	+ 1·9	71	74	- 4	3·1	0	- 1·88	0	- 2·2	0
Dwarka ...	29·717	- ·014	W	11·5	80·5	76·1	85·4	- 0·1	95	78·6	+ 0·9	77	80	- 3	7·0	0·15	- 0·91	1	- 0·9	0·13
Rajkot ...	29·317	- ·022	S 79 W	7·7	78·7	75·0	92·3	+ 0·6	99	73·5	+ 1·2	70	84	+ 4	6·7	1·12	- 2·66	4	- 1·0	0·45
Veraval ...	29·757	- ·006	N 80 W	9·3	81·3	77·8	84·6	+ 1·1	92	77·9	+ 1·4	75	85	- 1	6·6	0·07	- 2·24	0	- 3·6	0·07
Surat ...	29·723	- ·021	S 88 W	3·6	80·3	76·9	88·7	0	94	76·8	+ 1·1	71	85	+ 3	7·7	3·75	- 2·14	4	- 3·1	2·84
Bhavnagar ...	29·699	- ·022	S 87 W	3·3	80·9	75·8	91·9	- 1·1	99	74·8	- 0·3	71	78	- 1	6·9	2·70	- 0·63	3	- 2·6	1·30
Ahmadabad ...	29·582	- ·022	N 74 W	3·2 (g)	80·4	76·2	91·5	- 1·4	97	76·1	0	74	82	+ 4	6·7	3·57	- 0·16	6	+ 1·5	2·55
CENTRAL INDIA, WEST																				
Neemuch ...	27·111	- ·005	S 87 W	6·0	78·0	73·1	87·1	- 1·0	93	71·9	+ 0·9	64	78	- 2	5·2	0·55	- 4·20	2	- 4·4	0·27
Indore ..	27·916	- ·018	N 61 W	3·8	77·9	71·8	84·9	- 1·4	91	70·7	+ 0·6	66	86	+ 2	7·3	4·23	- 2·30	12	+ 3·6	0·97
Bhopal ...	27·040	...	N 56 W	4·7	76·4	72·0	85·7	...	92	72·2	...	69	84	...	6·6	13·35	...	15	...	4·86
CENTRAL INDIA, EAST																				
Nowgong ...	28·[illegible]	- ·005	S 59 W	1·7	79·5	75·5	90·3	+ 0·4	95	75·1	+ 0·2	70	87	+ 5	6·8	11·77	+ 5·34	12	+ 4·9	1·80
Satna ...	28·630	- ·002	S 11 W	3·6	80·5	77·0	89·5	+ 1·7	94	75·7	+ 1·0	70	85	+ 3	6·5	7·25	+ 0·54	13	+ 1·2	1·65
BERAR																				
Akola ...	28·891	- ·015	N 89 W	5·8	77·3	73·9	87·4	- 2·1	94	73·6	+ 0·8	70	81	+ 6	5·3	7·11	+ 1·41	16	+ 2·1	1·65
Amraoti ...	28·506	- ·015	S 89 W	4·9	78·6	73·6	87·3	- 1·0	93	73·2	+ 1·0	71	86	+ 5	7·7	11·78	+ 5·57	9	+ 0·8	4·15
CENTRAL PROVINCES, WEST																				
Khandwa ...	28·678	- ·012	N 81 W	5·2	77·2	73·8	87·7	- 0·6	93	73·2 (c)	+ 0·1	68	84	+ 3	5·8	4·21	- 1·76	6	- 1·3	1·30
Hoshangabad ...	28·727	- ·011	S 80 W	3·0	77·5	74·7	87·1	- 1·1	92	74·1	+ 1·9	70	86	+ 5	7·6	14·81	+ 6·43	14	+ 4·6	3·52
Sangor ...	27·950	- ·010	N 14 W	3·6	75·8	72·7	85·6	- 0·9	90	70·8	- 0·7	66	86	+ 5	6·5	17·20	+ 10·26	13	+ 3·8	3·91
Jubbulpore ...	28·374	- ·031	N 82 W	2·3	78·4	75·0	86·6	- 0·6	90	74·0	+ 1·2	70	85	+ 1	6·1	14·67	+ 7·01	15	+ 5·3	3·69
Seoni ...	27·689	- ·018	N 11 W	2·6	75·7	73·2	84·4	- 0·7	88	71·6	+ 1·3	67	84	+ 3	5·8	8·43	- 0·61	14	+ 2·7	1·95
Nagpur ...	28·678	- ·021	N 49 W	3·5	79·2	74·2	89·2	+ 0·1	93	74·2	+ 0·4	70	78	- 1	6·0	7·42	- 0·83	13	+ 2·2	1·25
CENTRAL PROVINCES, EAST																				
Pendra ...	27·671	- ·007	W	1·9	75·6	73·6	84·8	+ 0·1	87	72·3	+ 1·1	67	86	+ 5	6·8	7·91	+ 1·75	16	+ 6·2	1·45
Raipur ..	28·718	- ·010	S 4 E	3·4	81·1	77·0	89·2	+ 1·2	93	76·1	+ 1·2	73	83	- 1	6·6	5·59	- 1·84	10	- 0·2	1·45
Kanker ..	28·385	...	S 56 E	3·3	79·0	76·0	87·4	...	91	74·0	...	70	87	...	6·6	7·27	...	16	...	0·99
Chanda ...	29·039	- ·036	N 89 W	4·1	79·5	76·8	87·9	- 1·1	93	75·1	+ 0·7	73	89	+ 7	5·4	9·32	+ 0·14	12	+ 1·4	1·85
Jagdalpur ...	27·877	- ·040	S 67 W	2·1	76·9	71·2	85·9	+ 0·6	91	72·7	+ 1·3	71	89	+ 3	7·7	9·75	- 1·33	11	- 2·9	2·26
KONKAN																				
Bombay ...	29·750	- ·019	N 47 W	7·4	80·4	76·3	86·5	+ 1·2	89	76·8	+ 1·3	73	82	- 5	7·6	4·48	- 6·02	9	- 3·7	1·39
Ratnagiri ...	29·599	- ·008	N 43 W	6·4	79·5	75·5	83·0	- 1·1	85	74·6	- 0·1	72	82	- 4	4·5	9·47	- 2·61	14	- 0·9	1·45
Marmagao ...	29·622	- ·003	N 42 W	7·6	77·9	75·6	82·6	- 0·8	84	75·2	0	73	89	- 3	7·4	5·90	- 3·57	16	+ 0·9	1·02
Karwar ...	29·783	- ·009	S 82 W	2·4	77·5	75·2	83·4	+ 0·6	86	74·4	+ 0·3	73	88	- 2	6·2	8·30	- 3·73	16	+ 0·5	1·19
BOMBAY DECCAN																				
Malegaon ...	28·824	- ·016	S 74 W	4·4	77·7	72·6	88·5	- 0·2	93	70·2	0	65	73	+ 2	9·2	1·89	- 4·00	6	- 1·6	0·52
Ahmadnagar ...	27·624	- ·023	N 80 W	4·7	74·8	70·3	85·3	+ 0·1	92	68·9	+ 1·0	64	79	+ 1	6·9	4·54	- 1·82	6	- 2·5	3·00
Poona ...	27·956	- ·008	S 58 W	4·2	74·3	70·5	82·6	- 2·0	89	69·9	+ 0·8	65	82	+ 1	8·0	8·46	+ 3·62	7	- 0·5	4·70
Sholapur ...	28·199	- ·015	N 69 W	2·2	76·4	71·7	88·4	+ 1·2	94	71·4	+ 0·6	69	80	+ 3	5·4	8·61	+ 0·63	10	+ 1·0	2·02
Bijapur ...	27·838	- ·013	N 74 W	6·0	74·5	70·6	86·3	- 0·7	90	70·5	+ 0·7	67	82	+ 2	7·6	5·68	- 0·46	11	+ 2·1	1·55
Belgaum ...	27·257	- ·013	S 70 W	3·5	70·6	68·8	78·9	- 0·4	85	66·5 (c)	+ 1·0	63	90	0	7·7	3·74	- 1·14	12	+ 2·6	0·68
HYDERABAD, NORTH																				
Aurangabad ...	(c) 27·575	- ·016	N 80 W	7·1	74·1	70·8	84·4	- 2·2	89	69·6	+ 0·6	65	84	+ 7	9·0	6·91	+ 0·38	10	+ 1·4	1·79
Parbhani (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10·87	+ 2·43	14	+ 3·0	2·06
Nizamabad ...	28·487	- ·005	N 20 W	1·9	76·6	73·6	86·5	- 1·1	93	73·5	+ 0·9	71	86	+ 6	6·7	10·58	+ 1·46	13	+ 3·2	2·38

(a) Reports only rainfall. (c) Mean of 29 days. (g) Mean of 25 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 h.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·261	-·013	N 75 W	7·1	75·5	71·5	86·6	-1·9	92	72·0	+0·6	60	82	+ 3	7·8	10·37	+2·89	14	+3·5	1·45
Raichur ...	28·479	-·005	W	8·2	77·4	73·0	89·2	+0·3	97	72·3	+0·1	70	80	+ 3	2·6	9·95	+2·76	16	+5·7	1·70
Hyderabad ...	28·015	-·002	S 89 W	4·6	75·7	72·7	86·2	-0·2	92	72·0	-0·3	60	86	+ 5	7·3	13·65	+6·64	17	+7·7	3·44
Hanamkonda ...	28·845	-·014	W	4·0	73·6	75·6	87·7	-0·9	94	75·8	+1·6	72	82	+11	6·9	8·95	+2·13	11	+2·3	4·25
MYSORE																				
Chitaldrug ...	27·416	-·010	S 81 W	6·6	72·5	60·0	84·0	+0·1	90	63·4	+0·8	66	83	+ 1	8·6	4·23	-0·24	7	-0·7	1·80
Bangalore ...	26·834	-·010	N 80 W	5·8	70·8	67·3	82·1	+0·8	89	65·8	+0·2	64	83	- 2	8·2	10·52	+3·54	12	+2·5	2·34
Mysore ...	27·227	-·016	S 73 W	6·2	72·1	68·1	83·7	-0·5	90	67·0	+0·5	63	81	0	6·3	5·80	+0·82	8	-0·7	3·03
MALABAR																				
Mangalore ...	29·770	-·008	N 35 E	3·6	77·6	75·2	83·8	-0·5	85	73·9	-0·2	71	88	+ 1	8·9	8·91	-1·51	17	+1·7	1·83
Calicut ...	29·822	-·002	N	3·7	78·1	75·3	86·4	+2·6	89	71·3	-0·2	72	86	- 4	7·5	8·13	+0·40	13	+1·6	4·11
Cochin ...	29·847	-·005	N 27 E	4·7	79·4	75·7	82·6	-2·4	84	75·3	+0·7	73	84	- 1	9·6	5·60	-3·98	11	-3·6	0·90
Trivandrum ...	29·629	-·026	N 22 W	7·5	77·6	74·8	82·1	-1·0	86	75·1	+0·1	72	85	+ 3	7·0	4·23	+0·09	7	-0·7	1·23
MADRAS, SOUTHEAST																				
Palamcottah (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	-1·30	0	-1·9	0
Pamban ...	29·750	-·016	S 21 W	7·3	83·3	76·9	88·4	-0·9	91	73·5	+1·1	77	73	- 5	3·4	0·32	-0·55	1	-1·1	0·25
Madura ...	29·312	-·026	N 53 W	4·5	81·1	71·4	96·5	+1·6	101	77·2	+1·7	73	61	- 8	6·9	2·34	-2·77	3	-3·7	1·62
Negapatam ...	29·750	-·011	S 84 W	5·6	82·8	75·6	93·9	+1·3	99	78·6	+1·8	72	67	- 9	6·3	1·20	-2·47	1	-5·2	1·20
Trichinopoly ...	29·524	-·023	S 70 W	6·2	81·7	73·8	94·5	-0·7	99	77·1	+1·3	72	67	- 4	4·1	10·89	+5·97	8	+1·6	2·58
Coimbatore ...	28·460	-·014	S 19 E	3·0	76·5	71·5	87·1	-2·0	90	71·3	+0·5	69	78	- 5	5·6	1·54	+0·03	3	-0·4	1·12
Salem ...	28·871	-·028	S 48 W	4·6	77·5	72·9	91·3	-0·2	97	73·6	+1·1	71	80	0	6·0	4·05	-1·98	8	-1·0	1·35
Cuddalore ...	29·733	-·011	S 72 W	3·3	83·8	76·0	94·3	+2·1	100	77·8	+1·4	72	68	-11	5·5	1·42	-4·64	5	-2·0	0·71
Vellore ...	29·049	-·030	N 76 W	3·5	80·0	73·4	88·7 (n)	-3·3	97	73·2	-0·1	71	72	- 4	6·2	8·77	+1·50	11	+3·2	2·63
Madras ...	29·726	-·025	S 63 W	4·7	81·9	75·8	91·7	-1·4	99	77·6	+0·4	75	75	- 3	6·3	5·58	+3·54	8	+0·9	3·40
MADRAS, DECCAN																				
Cuddapah ...	29·354	-·002	N 65 W	5·1	81·3	74·3	93·0	-1·5	99	76·9	+0·3	71	70	- 4	7·1	4·19	-2·08	7	-1·7	1·44
Bellary ...	28·302	-·013	N 79 W	6·5	76·8	71·5	88·2	-2·5	93	73·1	+0·2	69	75	+ 6	5·7	4·56	-0·22	7	-0·7	1·93
Kurnool ...	28·842	-·009	N 89 W	7·4	78·3	72·6	87·7	-2·3	95	74·0	+0·2	72	76	- 2	7·9	5·80	-0·37	16	+0·4	1·90
MADRAS COAST, NORTH																				
Nellore ...	29·671	-·015	S 84 W	3·3	82·2	76·3	93·7	-0·9	100	78·6	+0·9	75	75	+ 1	7·2	1·60	-0·15	7	+0·6	1·60
Masulipatam ...	29·709	-·022	S 88 W	3·9	81·5	77·8	88·8	-2·0	93	77·3	-0·2	74	85	+ 2	6·8	7·63	+1·33	15	+5·6	1·21
Cocanada ...	29·684	-·015	S 84 W	4·2	82·0	78·4	88·8	-1·1	95	78·0	-0·4	74	85	+ 2	7·3	9·80	+4·05	11	+2·6	3·69
Vizagapatam ...	29·565	-·016	W	2·7	82·2	78·2	87·7	-0·7	93	78·0	+0·3	75	83	+ 1	7·8	5·34	-1·15	10	+1·5	2·00
Calingapatam ...	29·673	-·009	N 48 W	5·9	83·0	79·6	89·3	-0·8	93	78·9	+0·5	75	85	0	6·1	6·58	-1·21	11	+1·9	2·52
Gopalpur ...	29·638	0	N 5 W	5·8	82·7	79·7	88·3	-0·1	93	79·1	+0·6	76	87	+ 2	6·1	5·65	-1·86	12	+2·4	2·08
HILL STATIONS, EXCLUDING KASHMIR AND BALUCHISTAN																				
Maymyo ...	26·754	+·021	S 29 E	1·2	71·3	69·3	78·0	+0·6	85	66·7	+2·0	63	90	- 1	6·0	9·04	-0·23	17	+1·7	1·67
Shillong ...	25·073	+·023	N 39 E	1·6	68·4	65·0	73·9	-0·5	78	61·0	-0·7	51	83	- 1	9·1	11·82	+1·09	19	+1·4	2·60
Cherrapunji ...	25·623	+·017	S 1 W	5·0	68·6	66·5	72·9	-0·5	78	64·8	+0·5	51	93	0	8·4	38·13	+0·20	19	+0·1	7·58
Darjiling ...	22·916	-·002	S 18 W	3·0	61·0	58·5	64·2	-1·2	68	56·6	+0·7	53	87	- 6	9·2	25·20	+6·92	22	+4·8	4·98
Mukteswar ...	22·723	-·003	N 25 W	4·1	58·8	57·3	64·8	-3·6	70	56·6	+1·8	52	92	+ 9	7·6	19·34	+11·78	17	+7·6	2·85
Mussooree ...	23·324	...	S 31 E	3·1	61·0	59·9	65·1	...	70	58·9	...	53	95	...	7·6	21·63	+5·07	20	+6·9	5·00
Simla ...	23·057	-·007	S 22 E	1·3	61·9	58·1	66·3	-2·4	70	56·7	+0·1	54	84	+12	5·7	10·47	+4·29	20	+11·1	1·58
Dharampore (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10·60	...	11	...	2·55
Dalhousie (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10·44	...	16	...	1·89
Murree ...	...	...	S 53 E	2·9	64·2	58·3	74·2	+1·4	77	59·4	+0·8	50	70	+ 3	2·6	7·28	+1·67	8	+0·9	2·17
Cherat ...	25·616	+·001	S 1 E	4·5	73·5	63·5	84·9	+0·6	90	57·7	+2·1	62	57	- 2	2·5	0·99	-1·17	1	-2·0	0·90
Parachinar (c) ...	24·391	+·013	S 45 E	2·4	72·0	58·6	81·5	+0·4	85	59·7	+1·0	55	45	- 8	2·1	1·36	-0·84	4	-0·7	0·38
Drosh ...	..	...	E	3·5	67·4	57·4	88·9	+0·2	95	63·2	-1·5	52	53	+ 1	2·5	0·64	+0·01	2	+0·3	0·24
Mount Abu ...	25·919	-·012	N 87 W	5·7	70·9	64·7	75·5	+0·3	83	66·2	+1·4	61	72	- 7	7·1	4·53	-4·33	5	-2·8	2·35
Pachmarhi (c) ...	26·313 (k)	+·007	N 57 W	2·2	71·1	63·8	77·6	+0·1	96	66·6	+0·4	60	83	+ 4	8·3	23·70	+9·99	16	+3·0	3·33
Mercara ...	26·144	+·007	N 69 W	6·8	64·8	64·1	70·8	-1·1	77	62·3	+0·7	59	97	+ 3	8·0	14·65	+3·83	24	+5·9	2·29
Kodaikanal ...	22·749	+·002	N 64 W	6·4	57·5	52·9	63·7	+0·1	66	52·6	+2·1	51	73	- 5	4·4	6·66	-0·59	11	-1·7	1·78
Coonoor ...	24·393	...	S 64 W	1·7	66·2	53·2	71·6	...	76	56·9	...	48	66	...	5·3	4·61	...	8	...	1·48
CEYLON																				
Colombo ...	29·823	-·010	S 64 W	5·3	79·8	76·0	84·5	-1·7	88	76·9	+0·2	73	82	- 2	7·5	5·54	+0·66	9	+0·6	2·30

(a) Reports only rainfall. (c) Mean of 29 days. (k) Mean of 21 days. (n) Mean of 18 days.

Y. P. P.—S 1710—490—14-10-31

MONTHLY WEATHER REPORT

FOR

October 1931

Supplement to the Indian Daily Weather Report for the 24th November 1931

Published by order of the Governor-General in Council

Summary.—(1) Excess of precipitation from Hyderabad to the Punjab and the North-West Frontier Province and in the United Provinces, Bihar and Orissa and the north Madras coast, and normal rainfall in Burma, Assam, Bengal and the Deccan; (2) withdrawal of the southwest monsoon and transition to the northeast monsoon type of weather after the 17th; (3) formation of two storms and one depression in the Bay, and passage of three western disturbances eastwards through Kashmir; (4) minimum temperature above normal in the United Provinces, the Punjab, Kashmir and along and near the northwest frontier during the first fortnight.

The low pressure area, which lay over Hyderabad at the end of the previous month, persisted there till the 4th, when it got accentuated due to the passage inland of a low pressure wave from the north Bay. Thereafter the low pressure area began to move slowly northwestwards, reached Kathiawar on the 10th and persisted there till the 14th, when it filled up. It caused strong monsoon with locally heavy rain in the north of the Peninsula, the Central Provinces, west Central India during the first two weeks and in east Gujarat during the second week; heavy rain also occurring in southwest Bengal and Orissa on the 3rd and 4th. Heavy rain in Berar and its neighbourhood caused severe floods in the river Tapti and much damage to property and crops; it is also reported that about fifty persons perished in the floods in Akola district. Unsettled conditions, which began to move northwestwards from the Andaman sea on the 6th, developed into a depression which was centred near Latitude 17°N and Longitude 88°E on the 11th morning. The depression intensified, in the course of that day, into a storm, which moved westwards and crossing coast near Calingapatam on the 13th afternoon and lay as a deep depression about sixty miles to the east of Jagdalpur on the next morning. Moving in a northwesterly direction, the depression broke up in the hills of the United Provinces on the 17th. It was responsible for strong monsoon from the north Madras coast to the United Provinces between the 14th and 16th, fairly widespread and locally heavy rain occurring along and near its track. Heavy rain, in the Vizagapatam district, caused considerable damage to crops, property and the railway lines and loss of many lives. After the 17th, the southwest monsoon withdrew from the country and a transition to the northeast monsoon type of weather set in.

2. With the northwestward movement of unsettled conditions from the Andaman sea, a depression formed in the Bay of Bengal and was centred within a degree of Latitude 16°N and Longitude 85°E on the 24th morning. Moving in a northeasterly direction, the depression filled up at the head of the Bay on the 27th. It caused fairly widespread rain in the north Madras coast, Orissa, Bengal and Assam between the 24th and 27th and in Upper Burma on the 25th, 26th and 27th. With the strengthening of the northeast monsoon, conditions became unsettled in the southwest Bay of Bengal after the 28th and a depression formed on the next day. The depression was centred at 8 hrs. on the 30th within a degree of Latitude 10°N and Longitude 84°E and intensified into a storm in the course of that day and then moving northwestwards, crossed coast between Masulipatam and Nellore on the 31st morning. After entering inland, it weakened rapidly and lay as a depression over the south Deccan on the 1st morning. Fairly widespread and locally heavy rain fell in the Madras Presidency in connection with this storm on the last four days of the month, rainfall also extending in Hyderabad on the 31st.

3. Three western disturbances passed eastwards through Kashmir after the 10th. The first caused a few falls in the North-West Frontier Province on the 12th and nearly general rain on the 13th, and local rain in Kashmir and the adjoining parts of the Punjab on the 13th and 14th. The second was responsible for local thundershowers in the North-West Frontier Province, with scattered duststorms in the north Punjab on the 16th. The last disturbance gave nearly general rain in the North-West Frontier Province and the southwest Punjab on the 27th and local rain

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there, with a few falls in Kashmir and the Punjab hills on the 28th; scattered duststorms occurred in the central Punjab on the 27th.

4. The month's rainfall was in large defect in Baluchistan, Sind and Mysore, in slight to moderate defect in Upper Burma, Kashmir, Malabar and southeast Madras and normal in Bihar, south Hyderabad and the Madras Deccan; it was in slight to moderate excess in the Bay Islands, Lower Burma, Assam, Bengal and the Bombay Deccan and in large excess elsewhere. Averaged over the plains of India, the total rainfall of the month was in excess by 47 per cent.

5. Minimum temperature was above normal in Kashmir, the Punjab, the North-West Frontier Province, Baluchistan and Sind up to the 16th, in Bihar and the United Provinces from the 7th to the 16th, in east Rajputana and Gujarat between the 11th and 16th and in east Central India, Berar and the west Central Provinces from the 11th to the 18th; it was below normal in Rajputana, Gujarat, Central India, Berar and the north Deccan from the 23rd to the 28th; the maximum was below normal in west Central India from the 5th to the 19th, in Berar and the west Central Provinces between the 3rd and the 9th, in the Bombay Deccan and Hyderabad from the 31st to the 8th, in Baluchistan and Rajputana between the 16th and 19th and in and round the Punjab on the last two days of the month. The month's mean maximum temperature was above normal in Assam, Mysore and southeast Madras and below it in Orissa, Chota Nagpur, the United Provinces, the Punjab, Rajputana, Gujarat, west Central India, the Central Provinces, the Bombay Deccan and Hyderabad; the minimum was above normal in the United Provinces, the Punjab, Kashmir, the North-West Frontier Province and the Central Provinces.

Summary of the Local Conditions

Burma, including the Bay Islands.—The month's rainfall was in moderate excess in the Bay Islands and Lower Burma and in slight defect in Upper Burma; humidity was in defect in the first two divisions. Other climatic elements were roughly normal.

Northeast India, including Orissa.—Rainfall during the month was normal in Bihar, in slight excess in Assam and Bengal and in large excess elsewhere. Cloud proportion was more than usual in all sub-divisions except Assam. Humidity was in excess and maximum temperature below normal in Orissa and Chota Nagpur.

The United Provinces, Central India and the Central Provinces.—The total rainfall during the month was in large excess in all the sub-divisions; cloud amount was above normal and humidity was in excess everywhere. Maximum temperature was below normal in all the sub-divisions except east Central India and the minimum was above it in the United Provinces and the Central Provinces.

Northwest India.—The month's rainfall was in moderate to large defect in Kashmir, Baluchistan and Sind and in large excess elsewhere. Cloud proportion was more than usual in all sub-divisions except the southwest Punjab and Baluchistan. Humidity was in defect in Sind, normal in Gujarat and in excess elsewhere. Maximum temperature was below normal in the Punjab, Rajputana and Gujarat and the minimum above it in the first named sub-division and in Kashmir and the North-West Frontier Province.

The Peninsula.—Rainfall during the month was in moderate to large defect in Mysore, Malabar and southeast Madras, normal in south Hyderabad and the Madras Deccan, in moderate excess in the Bombay Deccan and in large excess elsewhere. Cloud amount was more than usual in the Bombay Deccan, Hyderabad, the Madras Deccan and the north Madras coast. Humidity was in excess in the Bombay Deccan, Hyderabad and the north Madras coast and in defect in southeast Madras. Maximum temperature was below normal in the Bombay Deccan and Hyderabad and above it in Mysore and southeast Madras.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 33 sub-divisions. Table III contains the monthly means of the 8 hrs. (local time) observations published in the Indian Daily Weather Reports; the divisional means, Tables I and II, are based on these observations.

POONA:
The 8th November 1931.

S. BASU,
for *Director-General of Observatories.*

Division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative Humidity.	Cloud.
	"	"	"		°	°	%	
Burma ...	9·19	7·93	+1·21	+ 15	+0·1	+0·6	− 3	+0·8
Assam ...	5·39	4·85	+0·54	+ 11	+2·3	+1·6	− 3	0
Bengal ...	6·64	5·42	+1·22	+ 23	+0·3	+1·1	+ 1	+1·6
Bihar and Orissa ...	5·48	3·25	+2·23	+ 69	−1·5	+1·3	+ 2	+2·5
United Provinces ...	3·44	1·42	+2·02	+142	−2·5	+2·6	+ 9	+1·8
Punjab ...	0·93	0·32	+0·61	+191	−2·1	+3·7	+ 8	+0·8
North-West Frontier Province.	0·99	0·13	+0·86	+662	0	+2·7	+ 9	+0·7
Sind ...	0	0·02	−0·02	−100	−0·7	+1·5	− 5	+0·3
Rajputana ...	1·64	0·41	+1·23	+300	−3·9	+0·8	+10	+1·3
Bombay ...	5·69	2·20	+3·49	+159	−2·6	+0·3	+ 3	+1·3
Central India ...	3·55	1·21	+2·34	+193	−2·9	+1·1	+13	+2·2
Central Provinces ...	7·65	2·05	+5·60	+273	−1·0	+2·2	+13	+2·2
Hyderabad ...	1·81	2·39	+2·42	+101	−3·1	+0·8	+ 9	+1·4
Mysore ...	0·98	5·56	−1·58	− 82	+2·1	+0·5	− 3	+0·3
Madras ...	7·42	7·99	−0·57	− 7	+0·3	+1·1	− 3	+1·0
Mean of India ...	**5·12**	**3·49**	**+1·63**	**+ 47**	**−1·5**	**+1·4**	**+ 4**	**+1·3**

Sub-division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
1. Bay Islands ...	14·41	11·07	+ 3·34	+ 30	− 1·2	−0·3	− 7	+1·4
2. Lower Burma ...	13·14	9·99	+ 3·15	+ 32	0	+0·2	− 4	+1·1
3. Upper Burma ...	4·13	5·11	− 0·98	− 19	+ 0·1	+1·1	− 3	+0·4
4. Assam ...	5·39	4·85	+ 0·54	+ 11	+ 2·3	+1·6	− 3	0
5. Bengal ...	6·64	5·42	+ 1·22	+ 23	+ 0·3	+1·1	+ 1	+1·8
6. Orissa ...	9·34	4·42	+ 4·92	+111	− 2·4	+1·8	+ 5	+3·4
7. Chota Nagpur ...	6·05	2·97	+ 3·08	+104	− 3·1	+1·3	+ 5	+3·9
8. Bihar ...	2·82	2·73	+ 0·09	+ 3	− 0·4	+1·1	− 1	+1·4
9. United Provinces, East ...	4·21	2·02	+ 2·19	+108	− 2·1	+2·7	+ 9	+1·7
10. Do. do. West ...	2·78	0·90	+ 1·88	+209	− 2·9	+2·6	+10	+2·0
11. Punjab, East and North ...	1·14	0·42	+ 0·72	+171	− 2·0	+3·6	+ 7	+1·3
12. Do. Southwest ...	0·55	0·15	+ 0·40	+267	− 2·1	+4·0	+ 9	+0·1
13. Kashmir ...	0·58	0·77	− 0·19	− 25	+ 1·8	+4·4	+ 5	+0·9
14. North-West Frontier Province ...	0·99	0·13	+ 0·86	+662	0	+2·7	+ 9	+0·7
15. Baluchistan ...	0·02	0·11	− 0·09	− 82	− 0·5	+0·7	+ 6	0
16. Sind ...	0	0·02	− 0·02	−100	− 0·7	+1·5	− 5	+0·3
17. Rajputana, West ...	1·17	0·31	+ 0·86	+277	− 3·3	+0·9	+10	+0·7
18. Do. East ...	1·87	0·47	+ 1·40	+298	− 4·3	+0·7	+10	+1·7
19. Gujarat ...	3·38	0·70	+ 2·68	+383	− 2·3	+0·6	+ 2	+1·2
20. Central India, West ...	3·92	0·85	+ 3·07	+361	− 4·7	+1·0	+15	+2·6
21. Do. do. East ...	3·19	1·57	+ 1·62	+103	− 1·1	+1·1	+12	+1·9
22. Berar ...	7·33	1·89	+ 5·44	+288	− 5·3	+2·3	+18	+1·9
23. Central Provinces, West ...	7·05	1·56	+ 5·49	+352	− 4·2	+2·1	+13	+2·2
24. Do. do. East ...	8·73	2·85	+ 5·88	+206	− 3·0	+2·4	+ 9	+2·3
25. Konkan ...	12·45	3·82	+ 8·63	+226	− 1·1	−0·5	1	+0·8
26. Bombay Deccan ...	4·25	3·11	+ 1·14	+ 37	− 3·8	+0·4	+ 8	+1·7
27. Hyderabad, North ...	6·94	1·67	+ 5·27	+316	− 4·1	+0·9	+15	+2·2
28. Do. South ...	3·21	2·93	+ 0·28	+ 10	− 2·7	+0·8	+ 7	+0·9
29. Mysore ...	0·98	5·56	− 4·58	− 82	+ 2·1	+0·5	− 3	+0·3
30. Malabar ...	5·53	10·37	− 4·84	− 47	+ 0·5	+0·3	− 2	0
31. Madras, Southeast ...	4·97	8·33	− 3·36	− 40	+ 2·1	+1·8	− 8	+0·7
32. Do. Deccan ...	3·82	4·14	− 0·32	− 8	− 1·6	+1·0	− 1	+1·0
33. Do. Coast North ...	14·55	7·75	+ 6·80	+ 88	− 1·4	+0·7	+ 4	+2·3

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	12	14	15	16	17	18	19	20
BAY ISLANDS																				
Port Blair ...	29·782	-·008	N 69 W	5·8	79·5	75·3	85·2	-1·2	88	76·6	-0·3	74	81	-7	7·6	14·41	+3·34	22	+6·8	1·80
LOWER BURMA																				
Victoria Point ..	29·733	+·007	N 87 E	4·2	77·0	74·8	81·8	-2·8	84	75·7	-0·6	71	90	+3	7·9	11·63	+26·66	25	+6·5	6·76
Mergui ..	29·804	-·061	...	...	76·2	74·3	85·3	-1·3	90	73·6	+0·9	69	90	0	7·7	14·05	+1·36	16	-0·2	3·12
Tavoy ...	29·854	-·032	N 81 E	2·3	78·0	74·2	87·9	+0·3	92	72·9	-1·0	68	79	-10	6·3	3·95	-1·71	15	+2·6	2·35
Amherst ...	29·797	...	S 82 E	4·9	80·5	75·9	87·0	...	90	74·7	...	69	80	...	6·4	7·73	...	10	...	1·59
Rangoon ...	29·851	-·030	N 74 E	2·8	80·3	76·4	88·6	+1·0	93	76·5	+0·7	75	82	-8	5·9	5·86	-1·05	12	+2·0	0·86
Bassein ..	29·838	-·031	N 75 E	3·1	80·3	76·7	88·1	+0·7	92	74·7	-0·9	71	85	-7	6·3	6·40	-1·78	11	-1·4	1·25
Diamond Island ...	29·795	-·018	N 80 E	7·2	81·8	78·0	86·1	-0·1	89	78·3	+1·1	74	84	0	5·7	16·49	+7·95	14	+3·0	3·59
Gwa ...	29·853	...	S 47 E	3·1	80·5	76·6	87·9	...	90	74·5	...	68	83	...	5·6	2·45	...	12	...	0·61
Tonugoo ..	29·723	+·011	...	...	79·1	75·5	90·2	+0·4	93	74·5	+0·1	68	84	-5	6·6	4·11	-3·29	12	+1·8	1·10
Kyaukpyu ...	29·829	-·003	S 78 E	3·0	81·6	77·5	88·8	+2·4	93	77·5	+1·2	75	83	-3	5·6	7·43	-1·11	13	+1·8	1·48
Akyab ..	29·834	-·002	N 54 E	6·3	80·2	76·9	87·1	-0·2	90	76·2	0	72	86	-5	7·0	10·29	-0·62	9	-0·3	3·38
UPPER BURMA																				
Minbu ..	29·609	-·002	S 51 E	3·1	80·6	75·9	89·7	-0·4	95	76·5	+1·2	72	79	-5	4·6	2·53	-2·18	7	+0·7	0·63
Yamethin ...	29·230	+·009	S 7 E	2·1	78·9	74·6	90·2	-0·4	95	73·4	-0·4	63	81	-6	4·4	8·06	+2·51	10	+2·1	1·93
Mandalay ..	29·624	+·033	S 55 E	1·1	79·7	76·7	92·1	+0·1	97	76·4	+1·7	74	87	+5	6·0	2·11	-2·61	5	-1·6	1·2
Monywa ...	29·615	+·013	N 17 W	1·8	79·9	75·8	90·4	+0·1	94	74·9	0·5	71	85	1	6·2	4·52	+0·36	9	+3·0	1·30
Lashio ...	27·125	+·012	N 31 E	1·7	69·9	67·3	80·9	-1·3	86	65·3	+1·4	59	87	-6	6·5	2·63	-3·05	12	+2·3	0·53
Bhamo ...	25·501	+·009	N 22 E	1·5	76·7	73·7	88·3	+0·6	93	72·0	+2·4	67	86	-1	6·4	2·48	-1·78	6	-0·7	0·70
Myitkyina ...	29·419	+·017	N 40 E	2·7	75·8	72·8	87·9	+2·2	94	71·7	+1·7	66	86	-2	6·6	6·75	-0·05	9	+0·9	2·49
ASSAM																				
Dibrugarh ...	29·541	-·001	N 52 E	1·3 (d)	77·0	73·4	86·7	+2·6	93	71·4	+1·6	67	81	-5	4·3	5·19	+0·30	8	-0·2	1·29
Sibsagar ..	29·573	+·035	N 45 E	1·8	77·1	74·9	89·1	+5·0	96	72·6	+2·0	67	91	-4	5·4	6·05	+0·95	6	-1·7	2·26
Tezpur ..	29·648	+·013	S 81 E	1·5 (b)	75·9	75·1	88·8	+3·5	94	73·1	+2·0	60	82	-7	5·1	7·17	+2·96	6	-0·2	3·84
Gauhati ...	29·634	-·006	N 51 E	1·7	77·8	75·1	88·7	+1·8	91	71·2	+0·4	68	88	0	4·6	3·29	+0·50	4	-0·1	1·56
Dhubri ...	29·739	-·025	E	4·2	78·8	75·6	84·7	+0·2	90	74·7	+2·0	68	86	-2	4·8	1·66	-2·97	4	-0·7	0·95
Silchar ..	29·785	+·005	S 84 E	1·2	78·4	75·5	91·5	+0·9	93	73·9	+1·6	70	86	-3	6·3	8·05	+1·59	10	+3·4	2·21
BENGAL																				
Cox's Bazar ...	29·821	+·010	N 79 E	1·6	80·5	77·3	87·1	-0·1	91	75·3	+1·8	74	85	-3	6·0	4·44	-3·02	11	+2·8	1·14
Chittagong ...	29·775	+·002	N 76 E	3·9	80·5	76·7	88·7	+2·0	93	75·4	+3·1	71	83	-6	6·8	2·25	-4·59	7	+0·1	0·90
Narayanganj ...	29·825	-·010	N 67 E	2·7	81·4	77·4	88·6	+0·7	94	76·9	+1·6	72	83	-2	6·3	12·73	+7·66	9	+3·2	7·18
Barisal ...	29·840	+·004	N 63 E	2·9	81·1	77·9	87·6	+0·2	94	76·6	+2·0	73	87	+3	5·3	12·35	+6·69	15	+8·3	3·11
Jessore ...	29·826	-·021	N 45 E	2·0	80·6	77·7	86·5	-1·9	92	74·7	+0·4	67	87	+3	5·3	1·18	-0·71	9	+3·2	1·06
Calcutta ...	29·832	0	N 38 E	2·6	78·9	76·6	87·2	-0·2	93	76·2	-1·7	72	80	+4	5·7	6·15	+1·96	10	+4·0	1·66
Sangor Island ...	29·822	-·014	N 50 E	8·1	79·9	77·2	84·5	-2·6	89	76·7	+0·4	73	89	+4	7·3	22·81	+14·67	13	+5·5	5·45
Burdwan ...	29·752	-·007	N 24 E	2·7	78·9	75·9	88·4	-0·5	93	75·3	+0·8	69	86	+5	5·0	5·78	+2·35	9	+4·7	1·86
Berhampore ..	29·814	+·020	N 84 E	1·6	80·6	76·9	89·5	+1·7	95	74·8	+0·4	68	85	+1	5·5	1·35	-2·85	4	-0·7	0·84
Mymensingh ...	29·808	+·004	S 72 E	1·0	79·5	76·5	88·0	+1·1	93	75·5	+1·6	71	87	0	5·2	1·84	-3·96	4	-1·7	0·65
Bogra ...	29·811	+·013	N 42 E	1·9	79·8	76·2	88·1	+0·8	95	74·6	+1·7	69	84	-1	6·4	4·46	-0·60	6	+0·7	1·25
Dinajpur ...	29·742	+·003	N 23 E	1·8	79·2	74·8	87·8	+0·4	93	73·5	+1·6	65	80	-6	4·9	2·53	-1·79	4	-0·2	0·96
Jalpaiguri ...	29·603	+·011	N 11 E	1·1	77·9	76·9	89·3	+2·6	94	72·1	+1·7	66	95	+8	2·8	5·36	+0·46	4	-0·8	3·33
ORISSA																				
Balasore ...	29·784	+·031	N 15 E	4·1	79·5	76·4	85·3	-3·3	91	75·4	+2·1	71	86	+3	8·2	13·35	+7·30	17	+11·1	1·61
Chandbali ...	29·821	...	N 21 E	5·1	79·7	77·0	85·0	...	92	75·7	...	71	89	...	5·5	16·42	...	14	...	5·65
Cuttack ...	29·746	-·016	E	2·0	79·6	76·7	87·5	-2·4	93	75·7	+1·0	71	87	+6	6·5	11·66	+6·36	15	+8·8	2·45
Sambalpur ...	29·813	-·025	N 55 E	3·2	78·0	71·3	87·4	-1·4	92	73·8	+2·3	69	91	+6	5·7	3·10	+1·10	8	+4·6	1·25
CHOTA NAGPUR																				
Chaibasa ...	29·108	-·001	N 45 E	2·2	77·4	73·2	86·0	-3·0	91	72·3	+2·0	64	82	+1	7·2	3·60	+0·56	7	+3·0	0·80
Ranchi ...	27·713	+·009	N 20 E	2·9	72·6	68·4	80·2	-3·2	87	67·1	+0·5	59	81	+10	6·9	8·79	+5·95	11	+6·6	2·93
Hazaribagh (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·85	+2·73	7	+2·7	3·30

(a) Reports only rainfall. (b) Mean of 30 days. (d) Mean of 23 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 h.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BIHAR																				
Purnea ...	29·753	+·010	S 84 E	1·5 (b)	78·9	74·9	86·3	-1·2	93	72·8	+1·1	63	82	-7	3·4	5·55	+2·70	5	+1·6	2·70
Darbhanga ...	29·676	+·001	E	2·5	79·1	74·6	87·1	-0·1	93	72·1	-0·4	63	80	-3	2·7	3·02	-0·63	1	-1·7	2·95
Patna ...	29·656	+·010	S 79 E	3·5	79·5	74·3	88·4	0	95	71·4	+1·6	65	78	+4	4·1	1·67	-0·87	2	-0·1	0·81
Gaya ...	29·692	+·007	S 21 E	3·1	79·6	73·6	89·8	-0·2	96	72·8	+1·6	65	74	+1	4·0	2·00	-0·07	4	+1·1	0·82
Naya Dumka	29·277	+·012	N 3 E	2·5	75·7	74·2	87·4	0·6	93	72·2	+1·4	61	80	+2	4·7	1·88	-1·90	2	-1·5	1·21
UNITED PROVINCES, EAST																				
Gorakhpur ...	29·669	+·004	S 88 E	2·0	75·5	73·1	88·2	0·6	95	71·6	+1·5	62	84	+6	2·7	6·83	+3·41	1	+1·6	3·60
Benares ...	29·667	+·002	S 80 E	2·8	77·9	73·4	88·6	-1·9	95	71·4	+3·5	61	80	+7	4·5	3·55	+3·21	5	+2·7	3·63
Allahabad ...	29·548	0	S 41 E	3·6	77·1	72·4	88·4	-2·7	95	70·1	+2·6	59	70	+12	4·3	4·93	+2·61	4	+2·1	2·92
Cawnpore ...	29·438	0	N 61 E	1·5	76·0	71·4	83·1	2·6	95	70·1	+3·5	59	79	+11	1·8	1·69	+0·38	2	+0·5	1·45
Lucknow ...	29·490 (8)	+·005 (8)	N 69 E	1·6 (b)	76·7	72·2	88·6 (b)	-2·8	95	69·2	+3·1	57	79	+9	3·5	1·48	+0·39	3	+1·3	0·87
Bahraich ...	29·515	+·026	S 79 E	2·4	78·4	73·4	88·7	-1·3	96	70·0	+1·8	50	75	+3	2·6	4·71	+3·23	4	+2·4	4·12
UNITED PROVINCES, WEST																				
Jhansi ...	29·625	+·022	N 59 E	2·9	75·1	70·1	88·0	-5·3	94	67·8	-1·6	56	77	+22	3·9	1·05	+0·18	4	+3·0	1·80
Agra ...	29·502	+·002	E	3·6	74·6	69·5	87·2	-5·7	95	67·2	+1·5	55	76	+15	1·6	2·75	+1·99	4	+3·2	1·65
Mainpuri (c) ...	29·530	+·002	S 61 E	1·7	77·4	71·6	90·0	2·9	97	65·8	+0·4	54	73	+8	2·8	4·75	+3·62	3	+2·0	3·39
Bareilly ...	29·593	+·025	N 43 E	1·3	76·3	70·9	88·6	-1·1	96	65·9	+3·6	60	75	0	2·0	1·34	+0·15	2	+1·2	1·03
Meerut (d) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	+2·26	3	+2·4	1·63
Roorkee ...	28·977	+·023	S 54 E	1·5	72·9	69·0	86·9	-2·6	93	66·8	+5·6	56	81	+7	3·0	1·01	+0·31	2	+1·2	0·82
Dehra Dun ...	27·747	+·015	N 54 E	1·1	67·7	63·4	82·6	0·1	87	63·6	+3·3	51	77	+9	4·6	2·76	+1·69	5	+3·6	0·81
PUNJAB, EAST AND NORTH																				
Delhi ...	29·171	+·018	S 41 E	2·7	76·0	69·8	90·2	...	98	64·7	...	51	73	...	2·1	2·26	+1·94	1	+0·5	2·17
Hissar ...	29·134	+·008	S 33 E	5·0	76·1	68·1	91·6	-1·1	100	66·0	+2·6	54	64	+11	0·6	1·04	+0·73	2	+1·5	0·44
Ambala (c) ...	28·971	+·020	S 67 E	1·6	74·3	67·7	90·4	-0·7	97	63·0	+4·6	54	70	+2	2·7	1·58	+0·63	1	+0·3	1·38
Ludhiana ...	29·050	+·021	S 54 E	1·2	74·9	67·9	91·4	-3·4	98	65·7	+2·9	52	64	+3	1·9	0·22	-0·26	1	+0·3	0·22
Lahore ...	29·166	+·024	S 75 E	1·3	74·5	68·5	90·5	-4·9	98	65·0	+4·2	50	72	+10	2·5	1·05	+0·83	2	+1·4	0·59
Sialkot ...	29·048	+·025	N 49 E	2·3	72·0	66·7	89·5	-2·1	97	63·8	+3·7	50	71	+12	2·1	0·55	+0·25	1	+0·3	0·40
Rawalpindi ...	28·211	+·015	N 45 E	2·6	70·3	62·6	88·2	-0·6	98	61·1	+4·0	47	65	+6	2·5	1·48	+0·59	3	+1·0	0·96
PUNJAB, SOUTHWEST																				
Khushab ...	29·229	+·013	N 82 E	4·2	75·6	66·9	92·4	-1·6	101	66·6	+3·3	53	62	+16	0·9	0·52	+0·35	2	+1·6	0·34
Lyallpur ...	29·275	+·011	S 52 E	2·4	76·0	67·1	90·6	-2·5	99	66·0	+4·6	53	69	-1	0·2	0·40	+0·06	1	+0·4	0·33
Montgomery ...	29·306	+·017	S 64 E	2·2	75·6	67·2	91·3	-1·1	95	67·0	+3·6	54	76	+22	0·8	0·62	+0·56	1	+0·5	0·57
Multan ...	29·424	+·015	S 33 E	1·5	79·1	68·7	94·1	+0·2	1·5	70·0	+4·4	54	55	-1	0·5	0·67	+0·62	1	+0·8	0·60
Bahawalpur ...	29·473	...	S 11 E	2·8	76·7	69·6	93·5	...	102	66·4	...	52	69	...	0·5	0·74	...	2	...	0·52
Khanpur ...	29·574	...	S 15 E	1·7	77·2	69·9	95·5	...	105	67·1	...	51	65	...	0·1	0·24	...	1	...	0·20
KASHMIR																				
Srinagar ...	24·903	+·096	S 5 E	2·2	53·6	50·9	76·0	-1·8	93	46·6	+6·4	25	84	6	3·9	0·86	-0·21	2	-0·6	0·55
Sonamarg (d) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·03	-0·18	9	+1·0	0·37
Dras ...	29·870	+·025	Calm	1·9	38·6	...	53·2	+2·8	75	34·1	+6·7	21	...	...	2·5	0·25	-0·59	2	+0·4	0·13
Leh ...	19·777	+·015	S 9 E	2·5	42·4	28·7 (g)	62·3	+3·4	75	35·1	+4·6	25	51 (g)	+8 (g)	3·0	0·05	-0·12	0	-0·2	0·02
Skardu ...	22·970	+·011	Calm	1·9	51·2	45·2	69·8	+3·5	87	44·2	+2·9	25	62	+9	3·3	0·03	-0·14	0	-0·4	0·03
Gilgit ...	25·132	-·072	Calm	0·1	53·1	51·5	73·0	+2·2	86	53·3	+1·3	46	61	+11	3·9	0·29	+0·03	1	+0·5	0·26
NORTH-WEST FRONTIER PROVINCE																				
Peshawar ...	28·724	+·002	S 64 W	2·2	70·8	62·4	89·3	+1·4	99	63·4	+3·1	34	61	+19	2·0	1·92	+1·76	4	+3·6	1·20
Dera Ismail Khan ...	29·368	+·035	N 44 E	2·5	75·7	66·4	92·1	1·4	100	63·8	+2·3	48	58	-2	1·2	0·07	-0·02	0	0·2	0·07
Miranshah ...	28·879	...	Calm	1·0	69·9	58·9	82·0	...	93	58·0	...	46	50	...	0·2	0·53	...	1	...	0·53
BALUCHISTAN																				
Fort Sandeman ...	25·141	+·013	W	1·4	56·7	47·1	81·4	-2·5	91	53·4	+1·4	37	47	+8	1·1	0·14	-0·09	1	+0·5	0·10
Harnai (d) ...	...	...	...	...	...	... (d)	...	...	...	...	...	...	... (d)	... (d)	...	0	-0·23	0	-0·9	0
Quetta ...	24·746	+·006	S 24 E	3·6	55·8	44·1	77·0	+2·5	90	41·2	1·0	25	42 (d)	+27 (e)	0·7	0	-0·13	0	-0·3	0
Chaman ...	25·738	-·015	S 54 E	3·1	59·8	47·0	...	...	97	55·5	+3·5	42	33	-7	0·2	0	-0·11	0	-0·3	0
Kalat ...	23·782	-·019	S 4 W	5·4	43·0	42·5 (o)	73·5	0·4	86	32·9	+0·5	19	44 (o)	+1 (o)	0·3	0	-0·12	0	-0·3	0
Dalbandin ...	27·142	-·005	Calm	1·3	56·2	45·3	87·0	-1·6	101	49·6	-0·5	34	36	0	0	0	-0·04	0	-0·1	0

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days. (e) Mean of 27 days. (n) Mean of 18 days. (o) Mean of 17 days. (s) Mean of 13 days.

STATION	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean at 8 h.	Departure from normal.	Mean amount at 8 h.	Total of the month	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIND																				
Jacobabad	29·665	0	S 77 E	2·5	76·6	66·3	97·9	-1·2	107	57·5	+3·8	52	58	+ 3	0·3	0	0·04	0	-0·1	0
Hyderabad	29·764	-·062	N 22 W	5·1	81·6	69·1	97·3	-0·5	105	72·0	+1·8	59	43	-18	1·6	0	-0·02	0	0	0
Karachi	29·849	-·021	N 24 W	5·8	77·5	71·6	87·3	-0·3	100	72·4	-1·1	63	73	+ 1	1·6	0	-0·01	0	0	0
RAJPUTANA, WEST																				
Bikaner	29·110	+·029	S 29 E	5·3	76·8	65·5	92·3	-3·8	102	71·0	0·2	59	51	+ 3	1·2	0·45	+0·19	2	-1·5	0·29
Jodhpur	29·073	-·0·9	N 42 E	3·6	76·3	67·2	93·5	-2·9	101	69·7	+1·9	59	60	+17	2·3	1·00	+1·54	5	+2·6	1·45
RAJPUTANA, EAST																				
Jaipur	28·458	+·038	N 82 E	2·2	77·3	68·1	89·8	-4·7	99	67·2	+2·1	55	62	+13	2·2	1·11	+0·79	4	+3·4	0·59
Ajmer	28·268	·07	N 62 E	3·1	75·1	65·7	88·0	-3·7	98	65·8	+1·0	51	59	- 1	2·8	3·21	+2·91	3	+2·3	1·59
Kotah	29·017	-·015	N 34 E	2·5	78·0	70·0	90·4	-4·5	96	69·7	-1·0	59	65	+18	4·0	1·34	+0·78	3	+2·2	0·97
Jhalrapatan	28·804	...	N 53 E	2·2	71·4	69·1	87·7	...	93	66·3	...	53	74	...	3·8	2·15	...	8	..	0·68
Udaipur (*a*)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·78	+1·12	3	+2·0	1·24
GUJARAT																				
Deesa	29·378	-·027	N 62 E	4·8	80·2	69·5	95·2	-1·3	105	68·1	+1·2	54	53	0	1·1	1·20	+0·89	4	+3·5	0·63
Bhuj	29·432	·041	N 5 W	3·5	79·9	69·3	94·9	1·1	102	72·2	+1·6	61	56	- 7	1·5	0·12	-0·32	0	-0·4	0·08
Dwarka	29·814	+·025	N 7 W	8·7	80·2	74·0	86·7	0·5	94	74·4	-1·6	65	74	- 4	2·6	0·70	+0·34	1	+0·7	0·70
Rajkot	29·832	-·0·2	N 6 E	5·8	77·6	69·8	93·6	-2·5	19	69·6	+1·3	59	65	0	3·0	1·01	+0·26	3	+1·6	0·36
Veraval	29·832	-·031	N 13 W	4·9	80·3	73·1	88·1	-0·3	95	73·1	+0·3	65	70	+ 1	3·7	3·86	+3·21	5	+4·3	1·21
Surat	29·791	-·010	N 78 E	3·9	78·2	73·5	90·4	-3·3	96	72·6	+1·1	64	80	+ 9	5·1	6·67	+4·92	10	+7·9	2·58
Bhavnagar	29·782	-·031	N 4 W	3·4	77·3	71·3	90·8	-3·1	97	71·2	+0·8	61	65	+ 7	1·4	11·52	+11·17	5	+1·2	9·21
Ahmadabad	29·682	-·038	N 56 E	4·2	80·-	71·8	92·6	1·7	98	72·6	+0·2	61	63	+ 7	3·2	1·4	+0·90	3	+2·1	1·19
CENTRAL INDIA, WEST																				
Neemuch	28·211	-·022	N 47 E	4·3	75·5	67·5	86·6	-4·5	91	64·8	+0·3	54	65	+13	5·6	1·12	+0·58	4	+3·1	0·45
Indore	28·- 70	·033	N 62 E	2·4	74·1	68·1	84·-	4·9	88	65·3	+1·7	73	77	+16	4·9	6·72	+5·57	8	+6·0	1·12
Bhopal	28·212	...	S 87 E	2·6	74·6	68·8	84·4	...	89	66·8	...	54	73	...	4·1	6·08	...	9	...	1·87
CENTRAL INDIA, EAST							(*b*)													
Nowgong	29·103	-·005	E	1·5	74·1	70·7	88·3	-1·8	94	66·8	+1·6	53	83	+11	3·8	3·70	+2·66	5	+3·5	1·80
Sutna	28·789	-·039	S 63 E	2·8	75·2	70·9	87·8	-0·3	93	66·7	+0·7	51	79	+10	4·2	2·67	+0·57	4	+1·8	0·97
BERAR																				
Akola	28·- 03	-·055	N ·5 W	3·5	75·4	70·-	87·3	-5·1	93	69·2	+2·6	55	77	+17	4·1	8·03	+6·16	10	+7·5	1·88
Amraoti	28·616	-·- 3	N 63 E	4·3	7·· 0	6·· 0	85·7	5·4	91	70·3	+2·0	61	77	+19	5·8	6·62	+4·70	9	+6·1	1·83
CENTRAL PROVINCES, WEST																				
Khandwa	28·583	-·0··	N 33 E	2·1	71·6	70·0	87·2	-1·3	93	67·5	+1·1	+4	79	+17	4·2	5·78	+3·55	9	+7·0	5·50
Hoshangabad	28·8·5	6·2	S 80 E	3·0	7·· 0	70·6	86·3	-3·5	8··	68·9	+4·7	55	79	+14	4·7	7·21	+5·89	8	+6·9	3·04
Saugor	2·· 035	-·0·5	N 73 E	3·8	71·0	67·6	83·8	4·5	89	65·7	0·7	55	71	+16	1·2	5·59	+4·57	9	+7·2	1·31
Jubbulpore	28·515	-·01·	S 75 E	2·5	74·2	69·3	84·7	3·0	90	64·7	+3·5	55	81	+ 7	4·5	6·21	+4·53	10	+7·8	1·81
Seoni	27·813	-·02·	N ·· E	1·7	73·3	6·· 5	81·7	-5··	8··	66·8	+2·6	55	77	+15	4·7	5·33	+3·44	11	+8·1	1·74
Nagpur	28·802	-·0··	N 70 E	3·2	71·8	69·1	·6·4	-4·2	91	67·6	+1·3	59	74	+10	5·3	8·62	+5·9·	15	+12·0	1·21
CENTRAL PROVINCES, EAST																				
Pendra	27·826	-·019	N 19 E	2·2	72·1	68·3	81·0	-3·5	85	65·9	+1·9	59	81	+16	5·4	9·22	+6·45	11	+7·5	2·35
Raipur	28·849	-·0·2	N 55 E	3·5	7·· 5	72·6	86·0	-2·1	90	71·5	+1·8	61	82	+ 9	4·7	9·13	+7·01	8	+4·7	2·99
Kanker	28·506	...	S ·2 E	3·6	76·1	73·0	8·· 5	...	8··	7·· 2	..	62	86	...	6·1	8·9·	...	11	...	2·61
Chanda	29··5·	-·0··	N 60 E	3·1	7·· 6	73·0	8·· 2	3·9	94	70·9	+2·7	61	84	+10	4·1	9·1·	+7·42	11	+8·3	3·29
Jagdalpur	27·982	-·06·	S 15 W	2·4	75·3	72·0	83·7	-1·7	8··	70·3	+3·3	65	84	+ 3	6·6	7·33	+2·61	9	+2·7	4·58
KONKAN																				
Bombay	29·795	-·038	S 62 E	6·8	78·6	7·· 4	86·7	-2·0	14	7·· 0	0·1	71	86	+ 4	6·0	13·07	+10·91	15	+12·2	2·68
Ratnagiri	29·641	·02·	S 41 E	6·1	80·6	71·3	85·6	2·5	93	74·1	0·2	67	72	- 5	3·5	14·91	+11·19	13	+7·9	4·15
Marmagao	29·667	+·0·5	S 42 E	6·0	7·· 9	7·· 5	85·4	-0·1	93	74·7	0·7	70	94	6	5·1	11·31	+7·65	14	+7·7	2·50
Karwar	29·818	-·03·	N 81 W	1·5	76·0	74·1	85·5	0	91	73·0	0·7	67	93	+ 4	5·8	10·51	+4·83	28	+10·9	2·85
BOMBAY DECCAN																				
Malegaon	28·404	-·01·	N 56 W	2·8	74·5	6·· 1	85·4	-5·6	88	6·· 1	+0·3	57	7··	+15	6·1	7·37	+5·46	10	+7·3	1·23
Ahmadnagar	27·693	-·049	S 87 W	4·2	7·· 8	67·3	84·0	-5·0	88	66··	+1·0	51	73	+12	5·5	5·52	+3·49	8	+4·7	1·80
Poona	2·· 017	-·04·	W	2·5	73·0	68·8	8·· 4	-5·9	91	67·0	+0·5	53	77	+ 4	5·6	3·21	-0·53	8	+2·8	1·43
Sholapur	28·267	-·07	N 78 W	1·8	76·5	69·5	87·5	1·7	92	68·9	+0·2	50	69	+ 8	3·2	3·19	-0·04	6	+1·7	1·65
Bijapur	27·907	-·0·1	S 68 W	4·0	74·5	68·4	86·3	-2·5	94	63·1	-0·1	58	73	+ 3	5·7	1·25	-1·82	2	-2·6	0·55
Belgaum	27·311	-·013	N 83 W	3·6	7·· 8	67·1	81·3	-2·0	88	65·6	+0·3	57	83	+ 4	6·5	4·96	+0·29	5	-2·6	2·51
HYDERABAD, NORTH																				
Aurangabad	(*b*) 27·939	-·055	S 81 W	4·6	74·1	68·1	84·2	-6·1	88	67·6	+0·2	56	73	+18	6·7	9·96	+8·40	11	+8·5	1·52
Parbhani (*a*)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8·16	+6·30	9	+6·3	3·09
Nizamabad	28·577	·029	N 88 E	2·0	74·8	70·8	87·3	-2·2	92	69·7	+1·5	58	82	+11	4·2	2·69	+1·10	6	+3·4	1·27

(*a*) Reports only rainfall. (*b*) Mean of 30 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days	Departure from normal.	Heaviest fall in month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·334	-·026	N 71 W	7·5	74·8	69·0	86·7	-4·3	92	69·5 (d)	+0·3	60	73	+ 6	5·9	1·51	-1·50	7	+3·1	0·31
Raichur (c) ...	28·530	-·012	S 83 W	6·7	77·7	71·1	89·1	-1·1	94	72·2	-0·1	65	72	+ 4	1·3	3·10	-0·34	8	+3·9	0·90
Hyderabad (b) ...	28·123	-·018	N 42 W	4·0	75·3	70·4	85·9	-2·5	92	69·7	+0·3	61	77	+ 4	6·1	1·30	-1·85	4	-0·5	0·65
Hanamkonda ...	28·048	-·028	W	3·8	77·7	72·7	87·8	-2·7	95	73·2	+2·8	67	78	+11	5·9	6·93	+4·91	5	+1·4	4·76
MYSORE																				
Chitaldrug ...	27·571	-·001	S 47 W	5·4	71·0	68·7	87·1	+2·2	91	65·2	+0·3	63	75	- 1	5·3	0·71	-3·59	5	-3·5	0·26
Bangalore ...	26·887	+·005	W	5·3	72·1	67·1	84·9	+2·4	89	66·0	+0·5	60	76	- 6	7·8	1·55	-4·35	3	-6·9	1·07
Mysore ...	27·275	0	S 81 W	5·3	72·8	68·6	85·9	+1·6	89	67·1	+0·3	64	81	- 1	5·2	0·64	-5·82	1	-7·9	0·42
MALABAR																				
Mangalore ...	29·805	+·010	N 12 E	3·3	79·5	75·9	85·3	-0·6	89	71·5	+0·1	72	84	+ 1	6·4	4·15	-3·38	10	-0·2	0·84
Calicut ...	29·858	+·022	N 61 E	3·2	79·9	76·0	88·6	+2·9	91	71·6	-0·2	72	82	- 6	6·7	6·96	-3·26	8	-3·3	1·88
Cochin ...	29·879	+·013	N 64 E	3·6	80·1	75·8	84·2	-2·3	87	75·2	+0·4	72	80	- 3	6·1	6·11	-7·11	9	-5·2	3·03
Trivandrum ...	29·660	-·005	N 17 W	5·8	79·3	75·6	85·1	+2·1	87	75·9	+1·0	74	84	- 1	4·8	4·91	-5·67	6	-6·2	3·05
MADRAS, SOUTHEAST																				
Palamcottah (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·67	-3·15	5	4·0	1·40
Pamban ...	29·806	0	S 6 W	9·0	82·7	77·4	88·2	+0·3	92	78·4	+0·9	73	77	- 5	4·7	6·29	-2·75	6	-3·4	2·44
Madura ...	29·367	-·017	N 41 W	3·7	83·2	72·0	94·9	+3·6	100	76·6	+3·4	72	51	-25	6·1	3·91	+1·09	7	-3·2	3·25
Negapatam ...	29·812	+·001	N 89 W	5·4	82·7	76·5	91·7	+2·9	97	78·7	+2·5	75	75	- 6	6·7	1·86	-8·62	3	-7·1	1·92
Trichinopoly ...	29·558	-·006	N 88 W	3·8	81·3	74·5	94·5	+3·3	99	76·8	+2·4	73	71	- 8	4·9	4·21	-2·63	5	-4·4	1·91
Coimbatore ...	28·512	-·002	S 2 W	2·4	77·6	72·2	88·2	+0·2	92	71·5	+0·9	68	76	- 8	5·8	4·19	-2·31	6	-3·7	1·55
Salem ...	28·926	-·007	S 47 W	3·2	78·4	73·0	92·7	+2·9	97	73·9	+2·3	70	76	- 5	5·6	5·20	-1·54	7	-2·9	2·42
Cuddalore ...	29·739	-·003	S 61 W	3·8	82·7	77·4	91·9	+3·3	99	77·2	+3·3	73	77	- 7	6·0	5·28	-5·72	7	-3·6	3·11
Vellore ...	29·119	-·021	N 85 W	3·0	79·5	73·6	89·7	+0·1	95	74·0	+1·2	68	76	- 6	6·5	3·13	-2·91	7	-1·3	1·36
Madras ...	29·8 0	-·019	S 69 W	5·5	81·4	76·4	90·9	+1·5	95	76·5	+1·3	72	78	- 5	6·6	6·77	-4·95	6	-4·5	3·82
MADRAS, DECCAN																				
Cuddapah ...	29·421	+·003	N 53 W	3·2	81·3	71·0	92·5	+0·1	97	75·3	+1·6	67	69	- 4	5·7	3·39	-1·65	8	+1·5	0·59
Bellary ...	28·375	-·005	N 66 W	4·8	76·8	70·2	88·7	-1·7	93	72·0 (b)	+0·8	65	71	+ 3	4·9	2·60	-1·30	3	-3·1	1·35
Kurnool ...	28·918	-·005	N 57 W	5·3	77·7	71·3	87·8	-3·1	94	72·6	+1·2	64	71	- 3	6·3	5·48	+2·01	8	+3·1	2·64
MADRAS COAST, NORTH																				
Nellore ...	29·747	-·021	N 81 W	3·2	81·3	76·0	91·9	+0·7	95	76·9	+1·2	71	77	- 4	6·4	17·70	+9·34	8	0	9·40
Masulipatam ...	29·802	-·031	N 75 W	3·7	83·4	76·9	87·6	-1·4	92	76·4	+0·5	70	85	+ 2	6·5	12·69	+4·59	11	+2·7	3·81
Cocanada ...	29·790	-·027	N 52 W	5·0	80·4	77·0	87·1	-1·0	92	76·1	0	72	85	+ 6	7·1	15·99	+8·14	15	+6·8	4·14
Vizagapatam ...	29·673	-·010	N 58 W	4·3	80·1	76·7	86·0	-2·0	92	76·7	+0·2	73	85	+11	7·8	11·17	+7·19	14	+6·7	3·78
Calingapatam (c) ...	29·797	-·025	N 13 W	7·4	80·4	77·3	86·0	-2·6	92	76·8	+1·0	74	87	+ 2	6·9	11·81	+4·72	9	+2·0	2·91
Gopalpur ...	29·763	-·025	N 20 W	7·6	80·7	77·0	86·0	-2·0	91	76·2	+1·5	72	87	+ 5	6·5	14·90	+6·85	18	+11·3	3·85
HILL STATIONS, EXCLUDING KASHMIR AND BALUCHISTAN																				
Maymyo ...	26·447	+·021	S 45 E	1·3	70·9	67·0	79·3	+2·6	83	62·8	+2·3	57	81	-10	5·6	3·36	-4·26	9	-2·6	1·11
Shillong ...	25·179	+·027	N 81 E	2·0	67·9	62·7	73·3	+1·9	78	56·3	+1·5	49	76	- 2	5·1	5·08	-0·83	9	-1·0	1·78
Cherrapunji ...	25·722	+·029	N 45 E	4·3	69·3	64·2	73·3	+1·4	78	63·1	+2·8	54	76	- 5	6·7	5·12	-16·14	12	+2·9	1·62
Darjiling (b) ...	23·917	+·032	S 82 E	2·6	61·5	56·1	64·4	+2·7	71	52·8	+2·7	47	74	-12	4·4	3·47	-1·07	5	+0·4	1·75
Makteswar ...	22·862	-·010	N 86 E	2·9	57·3	52·4	63·1	-3·0	71	51·2	+1·6	43	72	+15	3·7	6·04	+4·67	5	+3·2	3·12
Mussooree ...	23·431	...	S 33 E	3·2	56·0	53·3	62·6	...	68	52·8	...	45	65	...	4·5	5·80	+3·07	6	+2·6	2·91
Simla ...	23·362	+·018	S 30 E	1·3	56·7	54·9	63·5	-0·9	71	51·5	+0·1	44	67	+24	3·1	3·11	+2·03	6	+4·4	0·85
Dharampore (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·60	...	2	...	0·50
Dalhousie (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·36	...	2	...	1·40
Murree ...	...	...	S	3·7	58·3	52·1	69·9	+1·4	73	53·3	+0·4	41	67	+23	2·8	3·28	+1·78	6	+3·6	1·81
Cherat ...	25·757	+·027	S 6 E	6·2	63·9	56·2	75·0	-2·2	87	58·7	+0·7	41	62	+21	2·7	4·40	+3·97	5	+3·8	2·40
Parachinar (c) ...	24·511	+·033	S	2·3	62·3	50·5	74·8	+0·3	85	50·7	+1·9	33	43	+ 2	2·9	1·95	+1·08	5	+2·8	1·05
Drosh ...	...	...	S 23 E	1·7	56·1	49·1	77·1	+0·1	97	54·1	+1·0	43	59	+ 7	2·5	1·95	+0·73	7	+4·4	0·70
Mount Abu ...	26·025	-·033	N 62 E	3·9	71·8	60·4	77·1	-1·9	86	62·5	-2·1	54	60	+ 6	2·8	4·09	+3·09	3	+1·9	2·93
Pachmarhi ...	26·429	-·011	N 55 E	1·7	69·8	63·7	75·5	-3·5	81	60·2	+0·7	46	72	+12	5·9	10·35	+8·18	14	+10·9	2·82
Mercara ...	26·175	+·010	N 44 W	5·0	67·0	64·5	74·7	-0·8	79	62·2	+0·1	56	87	- 2	5·8	3·11	-5·61	10	-3·4	0·68
Kodaikanal ...	22·792	+·020	N 43 W	6·2	57·5	53·8	63·7	+0·9	67	52·4	+2·3	50	80	- 1	5·4	5·85	-3·83	9	-3·1	1·52
Coonoor ...	24·442	...	S 26 E	2·0	66·3	59·7	70·9	...	75	55·2	...	47	69	...	6·1	7·66	...	10	...	2·75
CEYLON																				
Colombo ...	29·860	+·011	S 52 W	4·0	79·5	76·4	85·6	-0·3	87	76·3	+1·1	72	86	0	7·1	7·03	-7·12	9	-7·0	4·23

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days. (d) Mean of 28 days.

V. P. P.—S 1820—490—20-11-31

MONTHLY WEATHER REPORT

FOR

November 1931

Supplement to the Indian Daily Weather Report for the 19th December 1931

Published by order of the Governor-General in Council

Summary.—Normal northeast monsoon rainfall in southeast Madras, the north Madras coast and Mysore and normal rainfall in Kashmir in connection with the eastward passage of four western disturbances.

The month was unusual in that no depression or storm formed in the Bay. The Bay storm which had crossed the north Madras coast on the 31st October and lay as a depression over the south Deccan on the 1st, moved westwards and caused unsettled weather in the east Arabian Sea up to the 4th. It caused fairly widespread rain in and near the Bombay Deccan on the 1st and 2nd, rainfall also occurring in and around the west Central Provinces on the 3rd and 4th, in northeast India from the 3rd to 6th and in Upper Burma on the 6th. Heavy rain on the 2nd gave rise to floods in and around the Nasik District causing breaches on the G. I. P. Railway between Nasik and Manmad; about 20 persons are also reported to have been drowned in the floods. The northeast monsoon was active in southeast Madras where scattered falls of rain occurred on most of the days during the month, rainfall also extending occasionally in Malabar, Mysore, the Madras Deccan and the north Madras coast.

2. During the month, four western disturbances passed eastwards through Kashmir. The first caused light rain in Kashmir on the 9th and 10th and in the North-West Frontier Province on the former date. The second disturbance was responsible for local rain or snow in Kashmir on the 21st, with a few light showers on the next day. The third caused a few light falls of rain or snow in the North-West Frontier Province on the 23rd and in Kashmir on the 24th. The last western disturbance of the month passed away without giving any precipitation.

3. The month's rainfall was in large excess in Bengal, Chota Nagpur, Bihar, Kashmir, Gujarat, west Central India, Berar, the Central Provinces, the Bombay Deccan, north Hyderabad and the north Madras coast, in slight to moderate excess in Orissa, the Konkan, south Hyderabad and Mysore and normal in Assam and southeast Madras; it was in slight defect in Upper Burma, east Central India and Malabar, in moderate defect in the Madras Deccan and in large defect elsewhere. Averaged over the plains of India, the month's rainfall was in excess by 7 per cent.

4. The mean daily temperature was generally above normal in northwest India for a week after the 20th. The maximum temperature was above normal in the Central Provinces on the first five days, in Orissa and Chota Nagpur on the 1st, 2nd and 3rd and in the Bombay Deccan and Hyderabad on the 12th, 13th and 14th and below it in Baluchistan from the 1st to 4th and in east Central India between the 13th and 16th and on the 27th, 28th and 29th; the minimum was below normal in Upper Burma and northeast India on the 6th, 7th and 8th and in west Central India and the Central Provinces from the 6th to 10th. The month's mean maximum temperature was below normal in Berar, north Hyderabad and the Madras Deccan; the mean minimum temperature was above normal in Kashmir, Sind and the Konkan and below it in Upper Burma and east Central India.

Summary of the Local Conditions

Burma, including the Bay Islands.—The month's total rainfall was in slight defect in Upper Burma and in large defect elsewhere. Cloud amount was below normal in all the Subdivisions. Air was drier than usual in the Bay Islands and Lower Burma and minimum temperature was below normal in Upper Burma.

Northeast India, including Orissa.—The total rainfall during the month was normal in Assam, in slight excess in Orissa and in large excess elsewhere. Skies were more clouded than

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usual in Chota Nagpur and Bihar and humidity was in excess in Orissa. Temperatures were roughly normal throughout.

The United Provinces, Central India and the Central Provinces.—Rainfall during the month was in large defect in the United Provinces, in slight defect in east Central India and in large excess elsewhere. Cloud amount was less than the normal in the east United Provinces and more than the normal in Berar. Humidity was in excess in east Central India and the Central Provinces. Maximum temperature was below normal in Berar and the minimum in east Central India.

Northwest India.—The month's rainfall was in large excess in Kashmir and Gujarat and in large defect elsewhere. Skies were more clouded than usual except in east Rajputana. Humidity was in excess in Kashmir and in defect in the east and north Punjab. Minimum temperature was above normal in Kashmir and Sind.

The Peninsula.—The total rainfall during the month was in moderate defect in the Madras Deccan, in slight defect in Malabar, normal in southeast Madras, in moderate excess in the Konkan, south Hyderabad and Mysore and in large excess elsewhere. Cloud amount was normal in the Bombay Deccan and more than the normal elsewhere. Humidity was in excess in the Bombay Deccan, Hyderabad, Mysore, the Madras Deccan and the north Madras coast and in defect in Malabar. Maximum temperature was below normal in north Hyderabad and the Madras Deccan and the minimum was above normal in the Konkan.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 33 sub-divisions. Table III contains the monthly means of the 8 hrs. (Local Time) observations published in the Indian Daily Weather Reports; the divisional means, Tables I and II, are based on these observations.

POONA:
The 7th December 1931.

C. W. B. NORMAND,
Director-General of Observatories.

Division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
Burma ...	1·18	3·04	−1·86	− 61	−0·1	−1·7	− 5	−1·1
Assam ...	0·93	0·85	+0·08	+ 9	+0·3	−0·1	0	−0·4
Bengal ...	2·49	1·23	+1·26	+102	−0·3	−0·6	0	+0·4
Bihar and Orissa ...	1·09	0·61	+0·48	+ 79	−0·3	−0·6	0	+0·5
United Provinces ...	0	0·24	−0·24	−100	+0·1	−0·3	+ 1	−0·1
Punjab ...	0	0·11	−0·11	−100	+0·9	+0·5	− 4	+0·3
North-West Frontier Province.	0·05	0·22	−0·17	− 77	+1·5	+0·9	− 3	+1·1
Sind ...	0	0·06	−0·06	−100	+1·2	+2·0	+ 1	+0·6
Rajputana ...	0	0·11	−0·11	−100	+0·4	−0·7	− 2	+0·2
Bombay ...	1·58	0·66	+0·92	+139	−0·1	+1·7	+ 2	+0·4
Central India ...	0·41	0·33	+0·08	+ 24	−0·6	−1·7	+ 4	−0·1
Central Provinces ...	1·80	0·55	+1·25	+227	−1·6	+0·8	+ 8	+0·3
Hyderabad ...	1·46	0·81	+0·65	+ 80	−2·0	+0·8	+13	+0·9
Mysore ...	3·86	2·59	+1·27	+ 49	+0·7	+1·6	+ 5	+1·1
Madras ...	7·38	6·68	+0·70	+ 10	−0·7	+0·6	+ 1	+1·2
Mean of India ...	1·60	1·49	+0·11	+ 7	−0·2	0	+ 1	+0·2

Sub-division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
1. Bay Islands ...	0·95	9·51	− 8·56	− 90	− 0·6	+0·8	−11	−2·2
2. Lower Burma ...	0·98	3·93	− 2·95	− 75	+ 0·9	−0·9	− 6	−1·3
3. Upper Burma ...	1·43	1·77	− 0·34	− 19	− 1·5	−2·6	− 3	−1·0
4. Assam ...	0·93	0·85	+ 0·08	+ 9	+ 0·3	−0·1	0	−0·4
5. Bengal ...	2·49	1·23	+ 1·26	+102	− 0·3	−0·6	0	+0·4
6. Orissa ...	1·53	1·23	+ 0·30	+ 24	− 0·2	−0·2	+ 4	−0·1
7. Chota Nagpur ...	1·54	0·48	+ 1·06	+221	− 1·5	−0·9	+ 1	+1·2
8. Bihar ...	0·55	0·31	+ 0·24	+ 77	+ 0·2	−0·7	− 3	+0·6
9. United Provinces, East ...	0	0·28	− 0·28	−100	+ 0·5	+0·4	+ 3	−0·2
10. Do. do. West ...	0	0·21	− 0·21	−100	− 0·3	−1·0	0	−0·1
11. Punjab, East and North ...	0	0·14	− 0·14	−100	+ 1·1	−0·2	− 5	+0·3
12. Do. Southwest ...	0	0·06	− 0·06	−100	+ 0·5	+1·6	− 3	+0·3
13. Kashmir ...	0·69	0·41	+ 0·28	+ 68	− 0·5	+2·8	+ 7	+2·4
14. North-West Frontier Province ...	0·05	0·22	− 0·17	− 77	+ 1·5	+0·9	− 3	+1·1
15. Baluchistan ...	0·01	0·24	− 0·23	− 96	+ 1·7	+0·6	0	+0·3
16. Sind ...	0	0·06	− 0·06	−100	+ 1·2	+2·0	+ 1	+0·6
17. Rajputana, West ...	0	0·07	− 0·07	−100	+ 0·1	+0·5	− 3	+0·4
18. Do. East ...	0	0·12	− 0·12	−100	+ 0·6	−1·4	− 2	0
19. Gujarat ...	0·23	0·14	+ 0·09	+ 64	+ 0·3	+1·6	− 3	+0·7
20. Central India, West ...	0·53	0·31	+ 0·22	+ 71	− 1·6	−0·5	0	−0·1
21. Do. do. East ...	0·28	0·36	− 0·08	− 22	+ 0·4	−2·9	+ 9	−0·1
22. Berar ...	2·89	0·51	+ 2·38	+467	− 2·9	+1·6	+17	+0·5
23. Central Provinces, West ...	1·15	0·58	+ 0·57	+ 98	− 1·1	+0·9	+ 5	+0·3
24. Do. do. East ...	2·22	0·52	+ 1·70	+327	− 1·7	+0·3	+ 9	+0·3
25. Konkan ...	1·55	1·14	+ 0·41	+ 36	+ 1·4	+2·2	− 3	+0·6
26. Bombay Deccan ...	3·40	1·03	+ 2·37	+230	− 1·8	+1·5	+11	−0·1
27. Hyderabad, North ...	1·55	0·55	+ 1·00	+182	− 2·3	+1·0	+17	+1·4
28. Do. South ...	1·38	1·00	+ 0·38	+ 38	− 1·9	+0·7	+10	+0·7
29. Mysore ...	3·86	2·59	+ 1·27	+ 49	+ 0·7	+1·6	+ 5	+1·1
30. Malabar ...	4·11	5·41	− 1·30	− 24	+ 1·3	+0·4	− 4	+1·1
31. Madras, Southeast ...	9·85	9·13	+ 0·72	+ 8	− 0·5	+0·8	0	+1·2
32. Do. Deccan ...	1·23	2·30	− 1·07	− 47	− 2·5	+1·9	+ 6	+1·9
33. Do. Coast North ...	8·50	5·63	+ 2·87	+ 51	− 1·3	−0·1	+ 4	+0·9

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BAY ISLANDS																				
Port Blair ...	29·841	+·022	N 55 E	5·3	81·4	74·8	86·0	−0·6	87	77·9	+0·8	73	73	−11	3·5	0·95	−8·56	4	− 8·2	0·40
LOWER BURMA																				
Victoria Point (c) ...	29·753	+·027	N 41 E	4·4	78·4	74·9	84·5	−0·9	88	74·3	−0·2	71	84	+ 2	4·4	3·34	−2·45	7	− 4·0	1·23
Mergui ...	29·847	+·013	...	...	76·4	72·9	87·1	0	91	70·2	−0·5	64	84	+ 1	2·4	1·02	−2·09	2	− 4·0	0·49
Tavoy ...	29·907	+·012	N 67 E	2·1	78·9	71·8	91·4	+3·5	95	69·8	−0·3	63	79	−13	4·1	0·02	−2·28	0	− 3·9	0·02
Amherst ...	29·866	...	N 75 E	5·3	78·9	71·8	89·0	...	93	72·3	...	66	70	...	2·6	0	...	0	...	0
Rangoon ...	29·930	+·022	N 34 E	2·9	76·1	70·8	90·4	+2·9	93	72·0	−0·7	66	76	−10	1·5	0	−2·79	0	− 3·3	0
Bassein ...	29·927	+·027	N 25 E	3·1	78·0	71·6	88·6	+2·5	91	69·7	−2·2	66	72	−15	1·7	0·01	−3·23	0	− 4·2	0·01
Diamond Island ...	29·883	+·016	N 33 E	8·2	80·1	74·5	86·0	+0·5	89	77·2	+1·4	72	76	− 4	1·6	0	−5·43	0	− 5·5	0
Gwa ...	29·946	...	S 45 E	2·9	75·3	71·7	86·9	...	90	66·5	...	62	83	...	1·0	0·06	...	0	...	0·06
Toungoo ...	29·842	+·036	...	...	71·0	67·6	86·6	−0·2	91	66·3	−3·2	61	83	− 6	2·9	0·03	−1·79	0	− 2·8	0·03
Kyaukpyu ...	29·927	+·038	N 84 E	3·2	76·9	72·7	84·9	+0·7	93	73·2	0	67	81	− 3	2·4	0·02	−6·52	0	− 4·2	0·02
Akyab ...	29·941	+·032	N 36 E	5·0	73·4	70·4	83·5	−1·2	88	68·4	−2·5	64	85	− 5	3·8	4·39	−1·09	3	− 0·7	3·01
UPPER BURMA																				
Minbu ...	29·803	+·013	N 31 W	3·7	73·3	68·0	85·1	−1·6	93	66·0	−2·9	59	75	− 5	1·6	0·34	−1·48	1	− 1·5	0·30
Yamethin ...	29·818	+·026	N 5 W	2·3	71·0	67·1	85·6	−1·3	93	63·6	−3·9	58	80	− 6	2·6	0·21	−1·68	1	− 2·1	0·12
Mandalay ...	29·727	+·042	S	1·2	63·1	66·7	86·0	−1·7	93	65·1	−2·8	60	87	+ 3	3·1	1·83	+0·20	2	− 1·0	1·38
Monywa ...	29·726	+·034	N 8 W	1·7	69·7	66·7	84·6	−1·3	94	64·7	−3·2	60	85	− 1	2·6	3·95	+2·34	3	+ 0·9	3·16
Lashio ...	27·198	+·019	N 45 E	2·0	59·0	56·9	75·9	−1·3	81	53·8	−2·2	47	87	− 6	4·7	0·16	−2·69	1	− 3·9	0·11
Bhamo ...	29·616	+·025	N 27 E	1·5	65·1	62·6	79·3	−1·9	95	58·1	−1·9	53	86	− 6	4·7	1·71	+0·21	3	+ 0·3	0·91
Myitkyina ...	29·534	+·031	N 27 E	1·7	63·8	61·8	79·3	−1·1	84	59·3	−1·5	55	89	+ 2	4·7	1·80	+0·63	3	+ 1·0	0·71
ASSAM																				
Dibrugarh ...	29·647	−·004	N 65 E	1·1	64·7	63·0	79·4	−0·1	87	60·2	−0·1	55	92	+ 2	3·3	0·98	−0·12	2	− 0·3	0·65
Sibsagar ...	29·690	+·012	S 63 E	0·9	65·1	64·5	81·4	+3·7	87	60·9	+1·3	55	97	+ 1	5·8	1·78	+0·68	4	+ 1·9	0·96
Tezpur ...	29·767	+·021	S 86 E	1·4	69·5	66·2	81·2	+0·7	87	62·5	+1·1	57	82	− 7	3·1	0·05	−0·69	0	− 1·4	0·05
Gauhati ...	29·811	−·001	N 35 E	0·7	66·6	65·3	81·1	−0·4	88	59·4	−1·6	55	92	0	3·9	0	−0·44	0	− 1·0	...
Dhubri ...	29·857	−·016	S 87 E	4·1	69·3	66·1	79·5	−0·5	85	64·7	+1·0	61	85	− 1	2·5	0	−0·30	0	− 0·5	...
Silchar ...	29·897	+·021	N 80 E	1·1	66·3	64·6	83·3	−1·7	88	61·4	−2·1	55	92	+ 6	2·1	2·76	+1·36	2	+ 0·2	1·56
BENGAL																				
Cox's Bazar ...	29·928	+·046	N 54 E	1·1	73·6	69·5	82·5	−2·1	89	65·5	−1·9	60	81	− 5	3·2	7·67	+2·73	4	+ 0·5	4·65
Chittagong ...	29·884	+·024	N 57 E	4·0	70·4	66·6	84·0	+0·8	90	64·1	−1·5	59	80	− 9	2·8	3·85	+1·98	2	+ 0·2	3·12
Narayanganj ...	29·946	+·013	N 12 E	1·3	71·9	67·4	83·0	−0·5	88	65·5	−0·6	59	78	− 6	2·4	2·30	+1·32	3	+ 1·9	1·48
Barisal ...	29·958	+·025	N	2·5	72·4	68·4	82·6	−0·3	89	65·6	+0·3	60	80	− 3	2·2	2·29	+0·81	2	+ 0·4	2·10
Jessore ...	29·963	+·027	N 18 E	1·3	70·9	68·7	80·2	−3·0	86	61·6	−2·2	55	90	+ 8	2·6	1·18	+0·16	4	+ 2·9	0·49
Calcutta ...	29·968	+·020	N 11 W	1·9	69·2	67·4	82·0	−0·2	87	65·9	+1·2	61	90	+ 8	2·9	5·01	+4·38	3	+ 2·0	2·58
Saugor Island ...	29·966	+·017	N 27 E	5·0	74·4	70·5	80·8	−1·3	86	68·3	+1·2	63	91	− 4	3·8	3·35	+1·88	3	+ 1·6	2·60
Burdwan ...	29·895	+·020	N 35 W	1·8	69·0	65·7	82·9	−0·7	88	63·7	−0·6	59	82	+ 6	2·9	1·24	+0·38	3	+ 2·0	0·72
Berhampore ...	29·945	+·033	N 18 E	1·1	69·8	66·5	84·3	+2·2	90	63·2	−1·1	58	82	− 1	2·4	3·42	+2·80	2	+ 1·3	2·79
Mymensingh ...	29·934	+·030	Calm	1·0	69·6	66·8	82·0	−0·6	86	63·6	−1·1	60	85	− 2	2·1	0·92	−0·06	2	+ 1·1	0·45
Bogra ...	29·933	+·028	N 45 E	1·4	69·9	65·9	81·9	−0·4	87	62·5	−0·3	58	80	− 4	2·8	0·86	+0·12	2	+ 1·3	0·67
Dinajpur ...	29·856	+·001	N 7 E	1·1	68·9	64·7	82·9	+0·5	86	59·1	−0·7	55	80	− 3	2·2	0·36	+0·14	1	+ 0·6	0·34
Jalpaiguri ...	29·720	+·010	N	1·1	65·4	65·3	83·4	+1·6	88	61·0	+0·1	59	94	+10	1·2	0	−0·20	0	− 0·4	...
ORISSA																				
Balasore ...	29·936	+·029	N 7 W	2·5	71·0	67·1	83·0	−1·1	87	64·1	+1·0	58	80	0	2·5	2·07	+0·73	4	+ 2·7	1·07
Chandbali ...	29·976	...	N 32 W	2·5	70·8	68·3	83·1	...	87	65·8	...	60	87	...	2·2	2·07	...	2	...	1·55
Cuttack ...	29·906	+·026	N 63 W	1·2	71·3	67·6	85·6	+0·7	91	65·5	−0·8	59	83	+ 5	2·4	1·14	−0·39	2	+ 0·3	0·73
Sambalpur ...	29·511	+·017	N 37 E	1·9	63·7	65·0	83·6	−0·2	91	60·9	−0·9	54	92	+ 7	2·3	1·39	+0·56	2	+ 1·0	1·02
CHOTA NAGPUR																				
Chaibasa ...	29·243	+·019	S 45 W	1·7	67·2	63·7	81·7	−1·4	88	60·9	−0·1	53	82	+ 1	3·7	2·68	+2·28	4	+ 3·0	1·60
Ranchi ...	27·812	+·018	N 31 W	2·4	66·5	59·3	76·1	−1·7	83	56·2	−1·7	50	65	+ 1	2·7	0·87	+0·49	3	+ 2·2	0·45
Hazaribagh (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·77	+0·40	2	+ 1·1	0·56

(a) Reports only rainfall. (c) Mean of 29 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BIHAR																				
Purnea ...	29·879	+·013	S 63 W	0·7	66·7	63·9	81·3	−0·6	85	58·7	−0·3	53	84	− 5	1·4	0·53	+0·32	1	+ 0·6	0·53
Darbhanga ...	29·925	+·004	S 72 W	1·4	69·0	64·4	81·9 (c)	+0·1	86	58·3 (c)	−2·5	52	77	− 5	1·3	0·21	0	1	+0·7	0·16
Patna ...	29·824	+·014	S 58 W	2·6	68·3	62·3	82·5	+0·8	86	50·5	−0·5	53	69	− 1	1·7	0·46	+0·15	1	+ 0·6	0·40
Gaya (c) ...	29·626	+·010	S	2·5	69·3	61·7	84·5	+1·8	88	50·5	+0·7	54	63	− 7	2·2	0·02	−0·43	0	− 0·6	0·02
Naya Dumka ...	29·506	+·025	N 27 E	1·3	63·1	63·8	81·7	−0·5	87	59·1	−0·9	53	77	+ 4	2·2	1·54	+1·13	2	+ 1·5	0·97
UNITED PROVINCES, EAST																				
Gorakhpur ...	29·726	+·003	W	0·9	65·0	61·8	83·0	+1·2	87	56·9	−0·6	51	84	+ 8	1·0	0	−0·17	0	− 0·3	0
Benares ...	29·745	+·006	S 52 W	3·0	66·1	60·7	83·6	+0·8	89	56·2	+0·7	49	71	− 3	1·5	0	−0·30	0	− 0·6	0
Allahabad ...	29·633	+·013	N 83 W	2·2	64·5	59·2	83·9	+0·5	88	55·1	−0·2	49	70	+ 2	0·6	0	−0·33	0	− 0·8	0
Cawnpore ...	29·580	+·012	N 88 W	1·1	63·2	57·9	84·8	+1·0	89	56·0	+1·3	51	70	+ 3	0	0	−0·40	0	− 0·4	0
Lucknow ...	29·626	+·009	N 87 W	1·2	62·5	58·6	83·6	−0·1	86	54·9	+1·4	50	73	+ 8	0·6	0	−0·19	0	− 0·4	0
Bahraich ...	29·582	+·016	S 24 E	2·1	63·6	61·0	82·9	−0·2	86	56·2	−0·2	51	73	− 3	0·3	0	−0·23	0	− 0·6	0
UNITED PROVINCES, WEST																				
Jhansi (c) ...	29·173	+·009	S 54 W	2·0	67·6	58·0	85·1	−0·4	89	54·4	−1·1	47	53	+ 1	0·6	0	−0·17	0	− 0·4	0
Agra ...	29·443	+·036	N 88 W	3·0	62·7	54·8	83·0	−2·5	89	51·0	+1·5	44	57	− 1	0·9	0	−0·12	0	− 0·5	0
Mainpuri ...	29·478	+·013	N 86 W	1·3	63·6	58·5	84·7	+0·4	89	49·1	−4·8	43	62	− 4	0·9	0	−0·14	0	− 0·3	0
Bareilly ...	29·427	+·024	N 22 W	1·3	62·8	58·0	82·9	+1·5	86	55·2	+1·9	50	73	− 3	0·5	0	−0·23	0	− 0·4	0
Meerut (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−0·15	0	− 0·4	0
Roorkee ...	29·081	+·016	S 72 E	1·5	57·2	54·2	79·1	−0·8	83	50·7	+0·9	45	81	+ 4	1·0	0	−0·27	0	− 0·5	0
Dehra Dun ...	27·727	+·005	N 12 E	1·4	53·7	49·8	75·8	+0·3	79	50·3	−1·5	46	75	+ 4	1·5	0	−0·38	0	− 0·7	0
PUNJAB, EAST AND NORTH																				
Delhi ...	29·293	+·019	N 79 W	2·0	62·0	54·5	84·2	...	88	48·2	...	41	59	...	1·2	0	−·011	0	− 0·2	0
Hissar ...	29·271	+·019	S 37 W	2·3	60·6	51·7	85·0	+0·4	99	49·7	−0·6	45	50	−10	0·9	0	−0·03	0	− 0·1	0
Ambala (c) ...	29·085	+·005	N	2·0	58·6	52·4	80·3	+1·4	86	50·6	+0·7	46	64	− 9	1·3	0	−0·25	0	− 0·4	0
Ludhiana ...	29·176	+·014	N 59 W	1·3	59·8	52·7	83·0	+2·4	87	49·2	−2·5	42	60	− 5	1·3	0	−0·11	0	− 0·5	0
Lahore ...	29·232	+·016	S	1·0	58·7	53·9	82·7	−0·5	86	48·3	+0·4	43	70	− 3	1·7	0	−0·07	0	− 0·2	0
Sialkot ...	29·189	+·012	N 78 E	1·1	56·2	52·0	82·3	+1·5	87	48·7	−0·3	43	75	+ 5	1·7	0	−0·11	0	− 0·5	0
Rawalpindi ...	28·209	+·034	N 52 E	2·2	53·6	47·2	79·0	+1·5	84	45·8	+1·6	41	50	− 6	0·4	0	−0·25	0	− 0·4	0
PUNJAB, SOUTHWEST																				
Khushab ...	29·391	+·002	N 72 E	2·7	63·6	51·3	88·1	+0·5	88	51·1	+0·9	44	47	− 4	1·8	0	−0·08	0	− 0·2	0
Lyallpur ...	29·413	+·042	N 73 E	2·1	62·1	54·0	82·6	+0·7	86	50·5	+2·7	49	56	−13	2·0	0	−0·01	0	0	0
Montgomery ...	29·440	+·016	S 28 E	1·4	60·7	54·1	83·2	−0·7	87	52·1	+0·7	46	63	+11	1·0	0	−0·07	0	− 0·1	0
Multan ...	29·572	+·002	N 81 E	1·5	64·1	55·6	86·8	+1·3	92	55·9	+2·2	53	53	− 7	1·2	0	−0·07	0	− 0·1	0
Bahawalpur ...	29·620	...	S 70 E	1·5	66·7	54·9	89·1	...	90	51·3	...	47	56	...	0·5	0	...	0	...	0
Khanpur ...	29·728	...	N 29 W	2·7 (a)	61·5	55·1	85·1	...	92	51·7	...	46	63	...	0·6	0	...	0	...	0
KASHMIR																				
Srinagar ...	25·621	+·024	S 60 E	1·9	39·6	38·4	62·1	−0·9	72	33·1	+2·9	26	91	+ 4	4·1	0·23	−0·20	1	− 0·2	0·14
Sonamerg (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·25	+1·81	6	+ 3·6	1·97
Dras ...	20·859	+·021	Calm	4·2	22·7	...	50·5	−0·6	52	17·6	+4·4	3	...	...	4·4	0·53	+0·09	1	− 0·2	0·37
Leh ...	19·761	+·004	N 31 E	3·1	30·1	...	48·7	+1·3	55	23·7	+3·3	13	...	...	5·0	0	−0·05	0	− 0·2	0
Skardu ...	23·029	+·037	S 45 E	1·2	36·3	...	54·1	+0·1	63	52·1	+2·7	25	...	...	6·4	0	−0·07	0	− 0·2	0
Gilgit ...	25·205	−·077	E	1·0	47·5	41·5	69·6	−2·3	67	43·5	+1·7	36	56	+10	7·6	0·09	+0·03	0	− 0·3	0·09
NORTH-WEST FRONTIER PROVINCE																				
Peshawar ...	28·846	−·001	S	1·8	56·8	49·2	79·4	+2·9	87	43·7	+0·8	44	54	+ 5	4·0	0·11	−0·17	1	+ 0·5	0·11
Dera Ismail Khan ...	29·447	+·025	N 20 W	1·3	59·2	51·9	82·1	+0·2	88	43·5	+1·1	46	57	− 9	3·2	0	−0·16	0	− 0·4	0
Miranshah (b) ...	26·049	...	Calm	1·0	54·9	46·0	71·5	...	73	45·7	...	42	48	...	0	0	...	0	...	0
BALUCHISTAN																				
Fort Sandeman ...	25·509	+·031	E	1·0	44·1	36·5 (f)	71·9	+0·6	77	41·3	+2·0	36	46	− 2	1·4	0	−0·25	0	− 0·6	0
Harnai (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	−0·45	0	− 0·6	0
Quetta ...	24·804	0	S 34 E	2·2	36·3	25·0 (e)	67·1	+3·0	73	32·6	−2·1	26	55 (f)	...	2·8	0·04	−0·28	0	− 0·9	0·04
Chaman ...	25·805	+·014	S 56 E	3·2	49·6	40·8	...	...	...	47·0	+4·8	40	43	− 2	0·3	0	−0·31	0	− 0·9	0
Kalat ...	23·808	+·004	S 3 W	4·9	32·9	...	67·0	+1·6	71	24·3	−3·3	21	...	...	1·8	0·01	−0·32	0	− 1·0	0·01
Dalbandin ...	27·221	−·009	Calm	1·1	46·2	39·5	77·5	+1·4	82	41·4	+1·4	35	52	+ 5	0·9	0	−0·12	0	− 0·3	0

(a) Reports only rainfall. (c) Mean of 29 days. (b) Mean of 34 days. (f) Mean of 23 days. (l) Mean of 20 days. (e) Mean of 10 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIND																				
Jacobabad ..	29·826	+·011	S 76 E	1·5	63·9	57·0	88·7	+1·3	92	54·6	+2·6	50	62	+ 5	0·6	0	-0·07	0	-0·1	0
Hyderabad ...	29·919	+·023	N 4 W	3·2	70·9	59·5	91·0	+2·4	97	61·6	+2·5	55	46	- 7	2·4	0	-0·06	0	-0·1	0
Karachi	29·994	+·005	N 49 E	4·2	71·7	64·9	84·9	-0·1	89	67·5	+1·0	63	67	+ 6	1·9	0	-0·04	0	-0·1	0
RAJPUTANA, WEST																				
Bikaner ...	29·251	+·043	S 27 E	5·0	65·7	53·0	85·8	+0·4	89	59·0	+0·5	51	38	- 9	1·1	0	-0·04	0	-0·1	0
Jodhpur ...	29·216	+·015	N 51 E	3·0	67·4	54·9	88·7	-0·1	92	59·1	+0·5	54	40	+ 3	2·0	0	-0·11	0	-0·2	0
RAJPUTANA, EAST																				
Jaipur ...	28·589	+·031	N 3 E	1·3	67·7	57·1	86·2	+0·3	89	54·5	-0·9	49	50	0	0·8	0	-0·14	0	-0·3	0
Ajmer ...	28·403	+·027	Calm	1·1	65·7	55·8	84·6	+0·8	88	50·9	-1·8	46	51	-12	1·0	0	-0·18	0	-0·4	0
Kotah	29·176	+·027	N 45 W	1·1	68·4	58·7	88·0	+0·8	92	58·3	-1·6	52	54	+ 6	1·3	0	-0·11	0	-0·5	0
Jhalrapatan ...	28·966	...	N 45 E	1·0	63·9	57·5	85·0	...	89	53·2	...	48	66	...	1·0	0·04	...	0	...	0·04
Udaipur (*a*) ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	-0·06	0	-0·2	0
GUJARAT																				
Deesa ...	29·522	+·016	N 75 E	4·4	71·4	59·7	93·4	+1·1	96	57·8	-0·1	53	38	- 4	1·5	0	-0·10	0	-0·2	0
Bhuj ...	29·633	+·004	E	2·3	74·5	61·3	90·1	+0·5	93	63·9	+1·6	60	43	-13	1·2	0	-0·08	0	-0·1	0
Dwarka ...	29·949	0	N 44 E	8·1	77·8	67·9	82·5	+2·6	94	69·7	+1·1	66	57	-11	2·2	0	-0·03	0	-0·1	0
Rajkot ...	29·528	+·001	N 83 E	3·9	74·3	69·4	91·2	+0·3	95	64·7	+4·7	57	39	-10	2·4	0·06	-0·17	0	-0·3	0·06
Veraval ...	29·944	+·015	N 33 E	3·5	78·3	66·2	90·2	+1·5	95	63·7	+1·0	62	50	- 4	1·6	0·12	-0·07	1	+0·9	0·12
Surat ...	29·927	+·009	N 71 E	3·5	74·2	65·4	92·9	+1·3	96	67·5	+3·3	61	59	- 1	2·9	0·02	-0·17	0	-0·3	0·02
Bhavnagar ...	29·929	+·015	N 4 W	2·5	70·7	63·7	88·6	-2·5	91	63·0	0	57	65	+13	2·5	1·53	+1·38	1	+0·8	1·53
Ahmadabad ...	29·893	+·020	N 59 E	4·2	75·3	63·1	90·5	-2·4	94	65·8	+0·3	62	48	+ 3	1·6	0·10	-0·05	1	+0·6	0·10
CENTRAL INDIA, WEST																				
Neemuch ...	28·381	+·025	N 62 E	5·7	59·3	56·2	83·5	-0·9	88	54·3	-0·7	49	45	- 3	1·7	0	-0·21	0	-0·3	0
Indore ...	28·164	+·029	S 68 E	1·6	62·1	59·8	81·6	-2·3	85	54·6	-0·3	48	59	+ 3	1·3	1·07	+0·66	1	+0·3	1·07
Bhopal ...	25·362	...	N 64 E	1·6	68·7	59·4	82·5	...	87	54·3	...	48	55	...	1·4	0·44	...	2	...	0·33
CENTRAL INDIA, EAST							(*a*)													
Nowgong ...	23·247	+·018	N 77 W	1·3	61·7	56·3	79·7	-2·4	84	50·8	-2·2	44	80	+19	1·2	0·35	-0·05	1	+0·3	0·28
Sutna ...	25·089	+·015	S 80 W	2·1	62·3	57·1	81·5	+3·2	89	50·9	-3·5	42	72	+ 7	1·5	0·21	-0·13	1	+0·3	0·20
BERAR																				
Akola ...	23·061	+·020	N 62 E	3·2	68·3	63·0	85·5	-2·6	91	60·2	+2·2	52	73	+18	1·9	1·67	+1·19	3	+2·2	1·22
Amraoti ...	23·705	+·023	N 67 E	3·7	70·2	62·6	88·7	-3·1	88	63·4	+1·0	58	64	+15	3·3	4·11	+3·56	3	+2·0	3·07
CENTRAL PROVINCES, WEST																				
Khandwa ...	28·936	+·017	S 79 E	3·2	67·0	61·2	86·8	-0·9	90	56·5	-0·1	50	61	+ 8	1·4	0·03	-0·50	0	-0·9	0·03
Hoshangabad ...	23·918	+·026	N 83 E	3·1	67·1	61·0	83·5	-0·9	88	58·7	+1·4	53	68	+19	1·7	0·29	-0·33	1	+0·3	0·28
Sangor ...	23·151	+·024	S 49 E	3·3	68·6	57·2	81·2	-1·1	85	58·0	-0·1	53	46	- 2	1·6	4·37	+3·91	2	+1·3	4·12
Jubbulpore ...	28·907	+·032	S 53 E	1·9	62·8	57·5	81·3	-0·7	87	54·4	+1·2	46	73	+ 2	1·5	1·22	+0·55	1	+0·1	1·22
Seoni ...	27·961 (*d*)	+·025	N 10 E	3·9	65·7	58·5	79·8	-1·7	86	55·5	0	48	65	+ 6	1·6	0·67	+0·08	1	+0·1	0·65
Nagpur ...	28·964	+·019	N 54 E	2·1	67·2	59·9	84·6	-1·0	90	60·2	+0·2	52	62	+ 4	3·2	0·34	-0·37	[illegible]	[illegible]	0·19
CENTRAL PROVINCES, EAST																				
Pendra ..	27·931	+·008	N 19 W	1·7	64·8	59·2	77·3	-2·0	84	56·6	+0·5	50	71	+12	1·7	0·81	+0·44	[illegible]	[illegible]	[illegible]
Raipur ...	29·005	+·017	N 59 E	2·6	68·6	63·6	83·4	-0·1	88	60·7	-0·1	53	75	+ 9	3·0	2·13	+1·73	[illegible]	[illegible]	[illegible]
Kanker ..	28·662	...	N 67 W	2·1	66·5	63·0	81·5	...	89	57·5	...	48	82	...	3·2	1·20	...	[illegible]	[illegible]	[illegible]
Chanda ...	29·922	+·033	N 19 E	2·2	68·3	65·0	82·5	-3·1	93	60·7	+1·7	52	82	+10	2·1	2·48	+1·80	[illegible]	[illegible]	[illegible]
Jagdalpur ...	28·135	+·023	Calm	1·1	66·0	63·1	80·4	-1·5	87	55·2	-0·8	51	84	+ 3	4·5	3·46	+2·85	3	+1·9	[illegible]
KONKAN																				
Bombay ...	29·834	-·002	S 87 E	5·8	77·6	71·9	90·3	+1·1	94	74·2	+1·9	71	75	+ 1	2·2	2·40	+1·99	2	+1·3	1·88
Ratnagiri ...	29·717	+·015	N 83 E	5·8	81·9	75·1	93·1	-0·5	92	73·8	+3·2	67	52	- 6	1·3	1·26	+0·35	4	+2·7	0·40
Marmagao	29·715	+·013	S 84 E	5·1	79·3	72·4	89·1	+3·0	92	75·1	+2·0	69	70	-11	3·9	0·78	-0·52	3	+0·6	0·53
Karwar ...	29·809	+·001	N 40 E	1·3	74·4	71·2	89·4	+1·9	93	71·5	+1·6	66	86	+ 3	5·4	1·75	-0·17	4	+1·2	0·81
BOMBAY DECCAN																				
Malegaon ...	28·546	+·021	N 45 E	1·3	69·4	63·0	84·6	-3·3	89	59·1	+1·4	50	69	+17	4·0	2·64	+2·03	2	+1·0	2·48
Ahmadnagar	27·814	+·009	S 53 E	3·6	69·4	62·5	82·9	-2·8	88	60·0	+1·9	50	67	+12	3·3	4·98	+4·35	4	+2·7	1·86
Poona ...	28·159	+·017	N 64 E	2·1	69·8	63·6	84·9	-1·6	90	60·2	+1·3	50	71	+12	4·0	3·39	+2·41	2	+0·3	2·13
Sholapur ...	28·389	+·014	N 83 E	4·0	72·3	64·6	85·4	-0·9	90	62·9	+0·1	54	66	+13	2·6	2·37	+1·32	3	+1·5	1·00
Bijapur ...	28·056	+·022	N 88 E	2·6	71·1	64·8	88·8	-2·2	88	63·9	+1·7	53	69	+ 4	4·8	3·69	+2·55	6	+4·2	1·22
Belgaum ...	27·382	+·010	N 64 E	3·0	69·7	64·7	82·5	0	87	64·1	+2·6	57	76	+11	4·8	3·34	+1·60	5	+2·6	1·54
HYDERABAD, NORTH																				
Aurangabad ...	28·073	+·002	E	4·4	69·8	62·7	88·0	-3·8	88	60·7	+0·7	52	67	+18	4·1	2·68	+2·10	5	+4·1	1·05
Parbhani (*a*) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·16	+0·68	3	+1·7	0·53
Nizamabad ...	28·791	+·016	N 60 E	1·0	68·4	65·2	84·8	-0·9	90	61·7	+1·3	51	84	+17	3·6	0·82	+0·23	3	+2·0	0·40

(*a*) Reports only rainfall. (*d*) Mean of 28 days. (*u*) Mean of 25 days.

TABLE III, NOVEMBER 1931

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN S H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·451	+·019	N 73 E	7·0	71·8	65·1	85·4	−2·2	89	63·4	0	53	69	+ 6	4·8	1·45	+0·45	4	+2·4	0·53
Raichur ...	28·635 (c)	+·022	N 81 E	5·8	75·2	69·1	85·9	−0·9	89	68·9	+1·2	64	73	+ 8	0·6	1·95	+1·00	2	+0·2	1·80
Hyderabad ...	28·247	+·029	N 84 E	3·5	70·0	65·4	81·7	−2·8	85	62·7	−0·5	55	78	+ 7	5·5	1·48	+0·36	4	+1·8	0·73
Hanamkonda ...	29·091	+·026	N 32 E	3·2	71·9	67·3	84·3	−1·6	88	65·6	+2·0	58	78	+20	4·1	0 65	−0·29	2	+0·7	0·22
MYSORE																				
Chitaldrug ...	27·531	+·014	S 80 E	3·8	72·3	67·9	84·5	+1·7	91	66·2	+1·8	60	79	+ 8	6·4	4·95	+2·87	6	+2·4	2 56
Bangalore (c) ...	26·935	+·012	N 65 E	4·4	70·1	66·1	80·8	+1·0	85	63·8	+1·8	56	80	+ 1	6·6	1·76	−1·18	7	+2·3	0·47
Mysore ...	27·413	+·004	N 60 E	5·0	71·0	67·4	81·9	−0·5	86	66·1	+1·7	60	83	+ 5	5·9	4·88	+2·33	7	+3·3	1·52
MALABAR																				
Mangalore ...	29·821	0	N 75 E	4·0	79·3	73·5	88·2	+0·6	92	73·7	+0·3	69	74	− 3	6·2	3·10	−0·02	3	−1·7	1·67
Calicut ...	29·871	+·013	S 76 E	2·8	80·2	74·5	89·6	+2·0	91	73·9	+0·1	70	76	− 8	5·8	3·44	−1·94	6	−0·3	1·70
Cochin ...	29·893	+·006	N 84 E	3·1	80·7	74·7	87·1	−0·6	90	75·6	+1·1	72	74	− 7	5·4	3·09	−3·45	11	+2·3	0·58
Trivandrum ...	29·670	−·009	N 80 E	3·4	77·8	74·9	84·8	+2·0	87	74·2	+0·1	71	86	+ 1	5·7	6·81	+0·22	7	−2·5	3 34
MADRAS, SOUTHEAST																				
Palamcottah (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·66	−4·75	3	−6·8	1·3
Pamban ...	29·861	+·018	N 16 W	12·3	79·8	75·8	84·2	−0·9	89	75·8	−0·2	72	82	− 3	6·1	14·48	+2·48	17	+4·0	2·13
Madura ...	29·432	+·001	N 31 E	4·3	77·1	72·1	87·7	+0·3	93	73·3	+0·6	68	77	− 1	7·0	10·79	+5·84	11	+3·4	2·20
Negapatam ...	29·877	+·021	N 38 E	7·4	77·9	74·6	84·4	−0·2	92	75·2	+0·9	71	84	0	8·1	15·65	−2·07	14	+1·4	3·62
Trichinopoly ...	29·662	+·016	N 16 E	3·6	78·9	73·7	87·0	−0 2	94	73·7	+1·6	70	78	− 2	4·9	4·62	−0·95	11	+2·5	1·01
Coimbatore ...	28·563	+·005	N 54 E	2·1	74·9	70·7	84·9	−0·9	88	69·9	+1·0	64	82	− 1	6·9	3·66	−0·09	12	+5·0	0·76
Salem ...	28·988	+·007	N 38 E	3·3	74·7	70·5	86·8	−0·4	92	69·9	+0·9	64	81	+ 2	5·7	9·42	+5·68	7	+0·6	3·39
Cuddalore ...	29·883	+·023	N	4·3	78·0	74·5	94·8	0	92	73·5	+1·0	69	84	− 3	6·8	12·50	−2·58	10	−1·3	3·07
Vellore ...	29·211	+·008	N 13 E	2·9	74·5	71·6	83·4	−1·2	89	69·7	+0·5	64	83	+ 2	6·8	8·07	+1·19	8	−0·5	4·78
Madras ...	29·898	+·011	N 3 W	8·1	78·0	74·9	84·5	−0·7	89	73·4	+0·9	69	86	+ 2	7·0	16·66	+2·41	16	+4·5	6·48
MADRAS, DECCAN																				
Cuddapah ...	29·515	+·033	S 27 E	4·0	76·2	72·2	86·5	−2·9	89	71·1	+1·3	65	81	+ 5	6·2	0·90	−2·66	2	−3·5	0·65
Bellary ...	28·458	+·013	S 81 E	3·3	73·5	69·2	86·5	−2·0	90	67·9	+1·7	62	79	+12	5·7	1·02	−1·17	3	−0·3	0·49
Kurnool ...	29·020	+·022	N 62 E	3·4	74·6	69·2	85·7	−2·5	88	68·2	+2·8	59	74	+ 1	5·7	1·76	+0·62	3	+0·8	1·00
MADRAS COAST, NORTH																				
Nellore ...	29·879	+·020	N 16 W	2·2	76·4	74·4	84·1	−1·6	87	72·7	+0·9	69	90	+ 6	6·7	12·10	+0·86	13	+4·4	2·70
Masulipatam ...	29·947	+·018	N 13 E	4·4	76·8	72·6	82·8	−3·0	85	71·8	+0·5	68	82	+ 1	3·4	10·32	+4·65	8	+3·5	3·05
Cocanada ...	29·943	+·029	N 42 E	7·6	76·6	71·4	82·2	−0·9	85	71·0	−0·2	66	77	+ 1	5·9	8·13	+2·71	5	+0·4	4·26
Vizagapatam ...	29·845	+·030	N 16 E	3·7	76·0	70·9	83·0	−1·3	86	71·1	−1·6	65	77	+12	5·6	15·17	+11·42	6	+2 0	7·44
Calingapatam ...	29·957	+·043	N 13 W	6·4	73·9	70·2	82·2	−1·3	89	69·5	−0·5	64	83	0	4·2	4·53	+0·83	4	+1·1	2·33
Gopalpur ...	29·936	+·033	N 18 W	5·6	72·6	68·9	84·0	+0·3	88	67·5	+0·2	61	83	+ 4	3·5	0·77	−3·25	3	0	0·34
[illegible] ...																				
[illegible] ...	26·497	+·034	E	1·1	61·1	58·7	75·4	+2·1	79	49·4	−3·5	44	87	− 4	1·8	3·09	−0·18	3	−2·9	2·55
[illegible] ...	25·186	+·004	S 79 E	1·4	57·1	52·8	64·3	−2·3	69	45·7	−0·8	39	74	+ 1	3·1	0·74	−0·84	3	+0·7	0·36
[illegible] ...	25·751	+·020	N 59 E	3·5	60·4	56·0	65·1	−2·8	70	53·5	−0·5	48	75	+ 6	3·4	0·65	−2·58	3	+0·5	0·40
[illegible] ...	22·988	−·007	N 53 E	2·0	50·6	46·1	55·4	−0·2	60	43·1	+0·3	41	72	− 6	5·3	0·43	−0·30	1	−0·1	0·42
Mukteswar ...	22·884	+·003	N 78 W	5·2	49·1	39·9	57·8	−1·8	64	44·6	+2·0	37	44	− 3	1·6	0·07	−0·28	0	−0·7	0·07
Mussooree ...	22·437	...	N 12 W	4·7	50·1	42·1	58·0	...	65	46·0	...	41	51	...	1·4	0	...	0	...	0
Simla (c) ...	23·162	+·009	N 24 E	2·2	51·5	39·3	58·2	−0·2	63	45·6	+1·7	41	30	− 6	1·0	0·04	−0·48	0	−1·1	0·04
Dharampore (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·15	...	1	...	0·15
Dalhousie (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	...	0	...	0
Murree ...	...	...	S 63 E	(f) 4·5	49·9	40·7	62·9	+2·9	70	45·4	−0·2	40	45	+ 6	2·4	0·10	−0·67	1	−0·2	0·10
Cherat ...	25·824	+·032	N 20 W	6·5	54·1	44·2	64·1	−1·8	71	50·0	+0·7	46	42	+ 1	3·2	0	−0·23	0	−0·6	0
Parachinar (d) ...	24·566	+·045	N 68 W	(m) 3·0	50·3	40·9	64·0	−0·8	71	41·1	+1·5	35	40	− 6	3·7	0·57	+0·06	1	−0·6	0·57
Drosh ...	...	...	E	1·3	47·2	40·3	62·7	−1·9	72	45·0	+1·3	39	54	+ 3	4·5	0·25	−0·10	1	−0·3	0·22
Mount Abu ...	26·134	+·020	N 52 E	2·4	68·2	54·6	74·5	+0·9	83	56·3	−1·8	53	40	0	2·0	0	−0·19	0	−0·3	0
Pachmarhi ...	26·550	+·045	N 69 E	1·3	66·4	56·8	73·6	−0·6	77	49·4	−1·6	42	55	− 2	4·6	1·80	+1·97	2	+0·9	1·46
Mercara ...	26·205	+·015	N 83 E	5·2	65·1	62·8	74·7	−0·8	78	61·3	+1·2	57	87	+ 2	6·0	3·31	+0·10	8	+2·5	1·19
Kodaikanal ...	22·906	+·025	S 77 E	7·1	55·7	52·6	62·0	+1·0	67	49·9	+1·0	46	83	+ 2	6·9	12·14	+3·97	15	+3·0	2·65
Coonoor ...	24·473	...	S 37 E	2·9	62·1	57·4	67·5	...	73	53·4	...	43	77	...	6·0	19·92	...	17	...	5·60
CEYLON																				
Colombo ...	29·866	+·010	N 78 E	3·3	76·8	74·8	85·6	−0·8	87	73·5	−0·4	71	91	+ 5	6·2	15·74	+3·39	18	+4·8	2·23

(a) Reports only rainfall. (c) Mean of 29 days. (d) Mean of 28 days. (f) Mean of 26 days. (m) Mean of 19 days.

Y. P. P.—S 1877—493—16-12-31

MONTHLY WEATHER REPORT

FOR

December 1931

Supplement to the Indian Daily Weather Report for the 20th January 1932

Published by order of the Governor-General in Council

Summary.—The chief features were:—(1) a depression and a storm both of which formed in the southwest Bay of Bengal were associated with abundant rainfall in the Peninsula, (2) feebleness of the western disturbances, resulting in deficient precipitation in northwest India.

Conditions were unsettled in the south of the Bay after the 4th and a depression formed to the southeast of Ceylon on the 9th morning. It moved northwestwards to the southeast Arabian Sea and was centred within a degree of Lat. 8°N and Long. 72°E on the 11th morning. Thereafter it intensified and moving northwards filled up rapidly while approaching the Konkan coast near Ratnagiri on the 14th evening. In connection with this depression, locally very heavy rain occurred in southeast Madras on the 9th, 10th and 11th, some of the heavy falls being Pamban and Palamcottah 8″ each on the 9th and Cuddalore 17″ on the 11th; scattered falls of rain also occurred in the Konkan, the Deccan, east Gujarat, west Central India and the west Central Provinces between the 12th and 15th. It is reported that very heavy rain which occurred in Tinnevelly District on the 9th caused floods in the rivers there and also damage to crops. Conditions were again unsettled to the southeast of Ceylon on the 21st morning and a storm formed by the next morning, which, moving northwestwards, lay near Palk Strait at 8 hrs. on the 23rd. Thereafter it moved slowly, crossed the coast about 20 miles south of Negapatam on the 24th evening and filled up rapidly thereafter. It was responsible for fairly widespread rain with locally heavy falls in southeast Madras between the 20th and 24th; Negapatam had 14″ and Cuddalore 10″ on the 23rd. According to the newspaper reports, heavy rain in southeast Madras caused breaches in the railway and telegraph lines there. Scattered falls also occurred in south Madras intermittently between the 1st and 8th, from the 16th to 20th and during the last week of the month, and in Mysore, the Madras Deccan and the north Madras coast between the 15th and 25th. Local falls of rain occurred in Orissa on the 24th, in Bengal on the 16th, 17th and 24th, in Assam on the 4th, 24th, 25th and 29th, in Upper Burma on the 3rd, 4th and 25th and in Lower Burma on the 4th and 17th.

2. During the month, only two western disturbances feebly affected northwest India and passed away eastwards through Kashmir. The first caused local falls of rain or snow in Kashmir on the 5th and 7th, with a few falls in the North-West Frontier Province on the 6th; it was followed by a secondary depression which filled up over north Baluchistan after causing a few falls of rain there on the 8th and 9th and nearly general rain in the North-West Frontier Province on the latter date, with a few falls on the 10th. The second disturbance caused only a few light showers in Kashmir on the 26th.

3. The month's rainfall was in large excess in Upper Burma, Assam, west Central India, the Konkan, the Bombay Deccan, Mysore, Malabar and southeast Madras, in slight excess in north Hyderabad and normal in the Bay Islands and Lower Burma; it was in slight to moderate defect in Bengal, south Hyderabad, the Madras Deccan and the north Madras coast and in large defect elsewhere. Averaged over the plains of India, the month's total rainfall was in excess by 104 per cent.

4. Minimum temperature was above normal in Berar, the west Central Provinces, the Bombay Deccan and north Hyderabad from the 12th to 19th and in Rajputana, Gujarat and west Central India between the 21st and 24th. The month's mean maximum temperature was above normal in Lower Burma, Bihar, the Punjab, Kashmir, the North-West Frontier Province, Sind and west Rajputana, and below it in the Bombay Deccan, north Hyderabad, southeast Madras and the Madras Deccan; the minimum was above the average in Burma, Assam, Bengal, the east United Provinces, Sind, west Central India, Mysore, Malabar, southeast Madras and the Madras Deccan.

[Price 4 annas.]

Summary of the Local Conditions

Burma, including the Bay Islands.—The month's rainfall was in large excess in Upper Burma and normal elsewhere. Skies were generally more clouded than usual. Humidity was in defect in the Bay Islands and Lower Burma. Both the maximum and minimum temperatures were above normal in Lower Burma and the minimum alone was above normal in Upper Burma.

Northeast India, including Orissa.—Rainfall during the month was in large excess in Assam, in moderate defect in Bengal and in large defect elsewhere. Cloud amount was above normal except in Assam. Humidity was normal. Maximum temperature was above normal in Bihar and the minimum in Bengal.

The United Provinces, Central India and the Central Provinces.—The total rainfall of the month was in large excess in west Central India and in large defect elsewhere. Skies were more clouded than usual in Central India, Berar and the west Central Provinces and less clouded in the east Central Provinces. Humidity was in excess in Berar and the east Central Provinces. Minimum temperature was above normal in the east United Provinces and west Central India.

Northwest India.—Rainfall was in large defect. Cloud amount was below normal in the Punjab, Baluchistan, Sind and west Rajputana and above normal in east Rajputana. Humidity was in excess in west Rajputana and in defect in the southwest Punjab, the North-West Frontier Province and east Rajputana. Maximum temperature was above normal in the Punjab, Kashmir, the North-West Frontier Province, Sind and west Rajputana and the minimum in Sind.

The Peninsula.—Rainfall during the month was in moderate defect in the north Madras coast, in slight defect in south Hyderabad and the Madras Deccan, in slight excess in north Hyderabad and in large excess elsewhere. Skies were generally more clouded than usual. Humidity was in excess in the Bombay Deccan, north Hyderabad, Mysore and south Madras. Maximum temperature was below normal in the Bombay Deccan, north Hyderabad, southeast Madras and the Madras Deccan and the minimum above it in Mysore, south Madras and the Madras Deccan.

Table I contains the data of rainfall, temperature, humidity and cloud for the 15 chief political divisions, and Table II similar data for the 33 sub-divisions. Table III contains the monthly means of the 8 hrs. (local time) observations published in the Indian Daily Weather Reports; the divisional means, Tables I and II, are based on these observations.

POONA:
The 9th January 1932.

C. W. B. NORMAND,
Director-General of Observatories.

Division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
Burma ...	0·91	0·66	+0·25	+ 38	+1·4	+2·6	− 3	+0·9
Assam ...	1·13	0·29	+0·84	+290	+1·5	+2·1	− 1	+0·3
Bengal ...	0·14	0·24	−0·10	− 42	+1·9	+2·8	− 2	+0·5
Bihar and Orissa ...	0·06	0·16	−0·10	− 63	+0·9	+0·8	0	+0·6
United Provinces ...	0	0·32	−0·32	−100	+1·8	+1·5	+ 1	+0·1
Punjab ...	0	0·49	−0·49	−100	+3·1	+0·3	− 5	−0·9
North-West Frontier Province.	0·13	0·39	−0·26	− 67	+3·5	+0·5	− 9	−0·5
Sind ...	0	0·11	−0·11	−100	+2·1	+2·3	+ 1	−0·9
Rajputana ...	0·03	0·19	−0·16	− 84	+1·8	+1·2	0	+0·1
Bombay ...	0·66	0·15	+0·51	+340	−0·3	+1·5	+ 3	+1·2
Central India ...	0·18	0·29	−0·11	− 38	+0·3	+0·7	+ 2	+0·7
Central Provinces ...	0·07	0·38	−0·31	− 82	−0·9	+1·0	+ 3	+0·2
Hyderabad ...	0·32	0·29	+0·03	+ 10	−1·4	+0·5	+ 4	+1·4
Mysore ...	1·39	0·40	+0·99	+247	−1·1	+2·6	+ 8	+3·2
Madras ...	8·56	2·59	+5·97	+231	−1·3	+2·0	+ 2	+2·4
Mean of India ...	✓ 1·14	0·56	+0·58	+104	+0·8	+1·5	0	+0·6

Sub-division.	Rainfall.				Departure from normal of			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.	Maximum temperature.	Minimum temperature.	Relative humidity.	Cloud.
	"	"	"		°	°	%	
1. Bay Islands ...	7·24	6·91	+ 0·33	+ 5	− 1·7	+0·4	− 6	+1·9
2. Lower Burma ...	0·82	0·77	+ 0·05	+ 6	+ 2·2	+2·2	− 5	+1·1
3. Upper Burma ...	1·02	0·51	+ 0·51	+100	+ 0·5	+3·1	− 2	+0·7
4. Assam ...	1·13	0·29	+ 0·84	+290	+ 1·5	+2·1	− 1	+0·3
5. Bengal ...	0·14	0·24	− 0·10	− 42	+ 1·9	+2·8	− 2	+0·5
6. Orissa ...	0·11	0·24	− 0·13	− 54	0	+0·2	+ 3	+0·5
7. Chota Nagpur ...	0·02	0·19	− 0·17	− 89	− 0·9	+0·3	+ 1	+0·5
8. Bihar ...	0·05	0·11	− 0·06	− 55	+ 2·1	+1·3	− 2	+0·6
9. United Provinces, East ...	0·01	0·22	− 0·21	− 95	+ 1·9	+2·8	+ 3	+0·1
10. Do. do. West ...	0	0·41	− 0·41	−100	+ 1·7	+0·1	− 1	0
11. Punjab, East and North ...	0	0·58	− 0·58	−100	+ 3·3	−0·1	− 3	−0·8
12. Do. Southwest ...	0	0·33	− 0·33	−100	+ 2·7	+1·1	− 7	−1·1
13. Kashmir ...	0·23	1·57	− 1·34	− 85	+ 2·8	+1·8		−0·8
14. North-West Frontier Province ...	0·13	0·39	− 0·26	− 67	+ 3·5	+0·5	− 9	−0·5
15. Baluchistan ...	0·12	0·68	− 0·56	− 82	+ 1·3	−0·8		−0·8
16. Sind ...	0	0·11	− 0·11	−100	+ 2·1	+2·3	+ 1	−0·9
17. Rajputana, West ...	0	0·15	− 0·15	−100	+ 2·5	+0·3	+ 7	−0·7
18. Do. East ...	0·04	0·21	− 0·17	− 81	+ 1·4	+1·9	− 4	+0·7
19. Gujarat ...	0·01	0·05	− 0·04	− 80	+ 1·3	+1·8	+ 1	0
20. Central India, West ...	0·35	0·19	+ 0·16	+ 84	− 1·3	+2·1	+ 1	+1·0
21. Do. do. East ...	0	0·39	− 0·39	−100	+ 1·9	−0·7	+ 3	+0·5
22. Berar ...	0·13	0·55	− 0·42	− 76	− 1·9	+1·3	+11	+0·5
23. Central Provinces, West ...	0·09	0·42	− 0·33	− 79	− 0·4	+1·9	− 1	+0·5
24. Do. do. East ...	0·01	0·24	− 0·23	− 96	− 1·1	−0·6	+ 7	−0·5
25. Konkan ...	1·90	0·15	+ 1·95	+1167	+ 0·5	+1·7	− 2	+2·1
26. Bombay Deccan ...	0·70	0·30	+ 0·40	+133	− 2·8	+0·9	+ 9	+2·0
27. Hyderabad, North ...	0·53	0·44	+ 0·09	+ 20	− 2·4	+0·5	+ 8	+1·5
28. Do. South ...	0·16	0·18	− 0·02	− 11	− 0·9	+0·6	+ 2	+1·3
29. Mysore ...	1·39	0·40	+ 0·99	+247	− 1·1	+2·6	+ 8	+3·2
30. Malabar ...	3·57	1·44	+ 2·13	+148	− 0·1	+2·1	+ 4	+3·1
31. Madras, Southeast ...	17·71	4·52	+13·19	+292	− 2·1	+2·1	+ 4	+3·0
32. Do. Deccan ...	0·35	0·42	− 0·07	− 17	− 2·5	+2·9	+ 1	+2·7
33. Do. Coast, North ...	0·75	1·23	− 0·48	− 39	− 0·3	+1·2	− 2	+1·0

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BAY ISLANDS																				
Port Blair ...	29·858	-·010	N 46 E	6·2	79·7	73·7	83·9	-1·7	86	76·9	+0·4	70	74	- 6	6·9	7·24	+0·33	8	+ 0·3	2·67
LOWER BURMA																				
Victoria Point ...	29·754	+·008	N 43 E	5·6	77·4	72·7	83·9	-0·9	87	74·3 (i)	+0·8	69	79	+ 1	7·6	5·60	+2·86	8	+ 3·1	2·60
Mergui ...	29·841	-·018	...	...	75·1	70·8	88·0	+1·2	93	70·1	+2·3	66	80	+ 1	2·1	0·67	-0·02	2	+ 0·5	0·42
Tavoy ...	29·910	-·015	N 66 E	2·4	76·4	69·3	91·8	+4·1	96	67·3	+1·6	61	71	-12	3·1	0	-0·36	0	- 0·7	0
Amherst ...	29·872	...	N 75 E	5·9	75·5	69·6	83·9	...	94	70·3	...	66	73	...	4·7	0	...	0	...	0
Rangoon ...	29·935	-·014	N 17 E	3·1	72·7	68·1	60·5	+3·4	93	69·5	+2·1	63	78	- 4	3·6	0·04	-0·33	0	- 0·6	0·04
Bassein ...	29·930	-·016	N 47 E	3·2	73·6	67·1	88·0	+3·5	91	66·9	+1·3	58	70	-15	4·2	0	-0·40	0	- 0·7	0
Diamond Island ...	29·884	-·028	N 33 E	9·5	76·7	71·0	84·5	+0·8	87	71·8	+2·3	72	74	0	3·4	0	-0·92	0	- 1·0	0
Gwa ...	29·945	...	S 45 E	3·2	71·0	68·3	85·6	...	89	64·0	...	52	86	...	3·6	0·10	-0·34	1	+ 0·4	0·10
Toungoo ...	29·819	-·006	...	...	63·1	65·7	86·3	+3·2	90	54·0	+2·6	56	83	- 6	4·5	0	-0·46	0	- 0·6	0
Kyaukpyu ...	29·937	-·010	N 41 E	3·9	74·5	70·1	82·5	+2·5	85	71·4	+4·7	64	79	- 3	3·7	0·44	-0·25	1	+ 0·2	0·42
Akyab ...	29·948	-·015	N 20 E	5·2	69·5	66·8	82·4	+1·7	87	65·3	+2·2	54	86	- 4	4·9	0·63	-0·13	1	+ 0·1	0·63
UPPER BURMA																				
Minbu ...	29·818	-·024	N 39 W	5·2	69·7	64·2	82·9	+0·5	91	65·2	+2·6	50	73	- 5	2·3	0·07	-0·44	0	- 0·7	0·07
Yamethin ...	29·327	-·008	N 6 W	2·6	66·7	62·4	83·7	+0·2	90	62·0	+3·5	52	77	- 8	3·9	0·23	-0·27	0	- 0·9	0·03
Mandalay ...	29·741	-·021	N	1·2	66·1	64·3	84·8	+1·3	90	62·9	+3·5	55	90	+ 5	3·5	1·47	+1·09	1	+ 0·2	1·42
Monywa ...	29·736	-·012	N 23 W	2·5	65·3	62·8	82·8	+1·6	88	61·0	+1·5	53	86	- 1	2·9	0·92	+0·55	2	+ 1·2	0·59
Lashio ...	27·171	-·011	N	1·5	55·9	54·3	73·2	0	79	51·9 (b)	+3·3	45	94	0	5·9	3·11	+2·25	3	+ 1·6	2·22
Bhamo ...	29·626	-·018	N 15 E	2·0	59·3	58·2	74·7	-0·8	90	55·2	+3·9	48	93	- 2	7·2	0·91	+0·34	3	+ 2·0	0·46
Myitkyina ...	29·540	-·018	N 21 E	3·0	59·8	57·7	75·5	+0·5	80	55·0	+3·5	48	87	- 3	4·4	0·42	0	2	+ 0·6	0·17
ASSAM																				
Dibrugarh ...	29·678	-·022	N 62 E	1·4	56·0	55·5	74·1 (b)	+0·7	80	51·3	+0·8	47	97	+ 2	4·9	2·41	+2·02	2	+ 0·9	2·21
Sibsagar ...	29·722	-·008	N 56 E	1·3	57·3	57·2	76·1 (b)	+3·8	81	53·3	+2·7	48	100	+ 2	5·0	0·70	+0·18	2	+ 0·5	0·29
Tezpur ...	29·785	-·008	N 66 E	2·0	60·8	59·1	76·0	+1·5	80	55·4	+1·9	52	85	- 8	3·6	0·35	+0·12	1	+ 0·5	0·29
Gauhati ...	29·838	-·024	N 86 E	1·3	59·2	58·6	76·2	+0·9	82	53·4	+1·4	50	97	+ 2	6·3	0·50	+0·35	2	+ 1·6	0·32
Dhubri ...	29·884	-·043	E	5·4	62·4	60·1	74·5	+0·2	82	58·1	+3·0	54	86	- 3	2·9	0·42	+0·35	1	+ 0·9	0·40
Silchar ...	29·916	-·018	N 87 E	1·0	62·0	60·7	81·7	+2·1	87	57·5	+2·8	51	91	+ 2	2·2	2·42	+2·03	2	+ 1·3	2·30
BENGAL																				
Cox's Bazar ...	29·940	-·016	N 34 E	1·1	69·1	65·3	80·3	+0·7	84	62·2	+5·7	53	80	- 7	3·7	1·19	+1·13	2	+ 1·8	0·66
Chittagong ...	29·901	-·023	N 48 E	3·3	64·9	61·7	82·0	+3·6	85	59·9	+4·7	53	84	- 4	3·1	0·12	-0·16	0	- 0·5	0·07
Narayanganj ...	29·962	-·032	N 29 W	1·8	64·2	61·4	80·3	+2·7	84	59·5	+4·0	52	83	- 3	2·2	0·01	-0·29	0	- 0·9	0·01
Barisal ...	29·975	-·024	N 31 W	2·8	65·3	62·4	79·7	+2·1	83	59·5	+4·5	52	84	- 2	2·2	0·08	-0·33	0	- 0·7	0·08
Jessore ...	29·935	-·007	N 41 W	1·3	63·9	61·7	77·5	+0·2	81	53·4	-1·1	45	89	+ 7	2·2	0	-0·20	0	- 0·5	...
Calcutta ...	29·936	-·015	N 24 W	2·2	62·2	59·6	78·3	+0·8	81	53·4	+3·8	51	85	+ 1	2·1	0·01	-0·33	0	- 0·7	0·01
Saugor Island ...	29·906	-·018	N 17 E	6·8	67·1	63·1	77·3	+0·3	80	61·2	+2·4	55	79	-11	3·6	0	-0·30	0	- 0·9	...
Burdwan ...	29·913	-·022	N 34 W	2·2	61·4	57·7	79·5	+0·8	83	55·9	+1·9	49	80	+ 4	1·6	0	-0·36	0	- 0·8	...
Berhampore ...	29·961	-·016	N 37 W	1·1	63·1	60·1	79·2	+2·8	84	56·1	+0·8	46	83	- 1	1·6	0·13	+0·01	1	+ 0·7	0·13
Mymensingh ...	29·949	-·014	Calm	1·2	62·2	60·3	79·9	+4·1	83	57·1	+3·4	59	83	- 1	1·6	0·04	-0·29	0	- 0·9	0·04
Bogra ...	29·951	-·016	N 13 E	1·5	61·8	59·4	78·5	+2·2	82	56·3	+2·3	49	85	+ 1	1·6	0·09	+0·01	0	- 0·1	0·05
Dinajpur ...	29·884	-·025	N 27 E	1·4	60·8	57·9	78·2	+1·4	84	58·8	+2·5	47	82	- 4	2·2	0·13	+0·07	1	+ 0·9	0·13
Jalpaiguri ...	29·749	-·013	N 32 W	1·1	59·6	57·4	79·6	+3·6	84	54·5	+1·8	51	88	0	1·4	0	-0·11	0	- 0·3	...
ORISSA																				
Balasore ...	29·970	-·008	N 19 W	2·9	63·9	59·4	79·3	-0·6	81	57·0	+1·7	51	75	- 3	2·7	0·19	-0·09	1	+ 0·6	0·12
Chandbali ...	30·006	...	N 28 W	3·1	63·3	60·2	79·3	...	82	57·5	...	53	83	...	2·0	0·01	...	0	...	0·03
Cuttack ...	29·936	-·015	N 84 W	1·1	62·6	59·8	82·0	+1·0	85	58·5	-0·2	55	83	+ 5	2·1	0·20	-0·08	1	+ 0·5	0·20
Sambalpur ...	29·544	-·010	N 17 E	2·4	59·8	56·6	79·4	-0·3	83	52·9	-0·5	46	82	+ 7	2·1	0	-0·22	0	- 0·3	...
CHOTA NAGPUR																				
Chaibasa ...	29·270	-·012	S 45 W	2·0	59·0	55·9	77·2	-0·8	80	53·1	+1·4	45	82	- 1	2·0	0	-0·18	0	- 0·4	...
Ranchi ...	27·823	-·006	N 36 W	2·5	58·5	52·5	72·2	-0·9	77	50·0	-0·9	45	65	+ 2	2·2	0	-0·18	0	- 0·5	...
Hazaribagh (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·06	-0·15	0	- 0·4	0·06

(a) Reports only rainfall. (b) Mean of 30 days. (i) Mean of 23 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BIHAR																				
Purnea ...	29·906	-·021	S 59 W	1·1	57·6	56·2	76·7	+1·0	81	51·8	+2·3	46	91	+ 1	1·5	0·14	+0·01	1	+ 0·8	0·14
Darbhanga ...	29·857	-·027	N 83 W	1·2	61·4	58·4	77·3	+2·4	81	51·9	-0·2	44	82	- 4	1·9	0·03	-0·05	0	- 0·2	0·03
Patna ...	29·853	-·021	S 55 W	2·5	59·7	55·7	76·9	+2·8	81	53·2	+1·4	46	76	+ 2	1·8	0	-0·09	0	- 0·3	...
Gaya ...	29·665	-·012	S 2 W	2·4	61·5	54·7	78·8	+2·7	82	53·6	+2·3	46	61	- 10	1·4	0·02	-0·11	0	- 0·2	0·02
Naya Dumka ...	29·632	-·008	N 45 W	1·5	61·3	56·9	77·5	+1·5	82	52·1	+0·9	43	74	+ 2	1·4	0·07	-0·03	0	- 0·2	0·07
UNITED PROVINCES, EAST																				
Gorakhpur ...	29·747	-·033	S 84 W	1·2	56·9	55·0	76·2	+2·1	81	51·3	+1·7	43	87	+ 6	1·4	0	-0·14	0	- 0·3	0
Benares ...	29·785	-·018	S 54 W	2·3	57·5	53·7	77·1	+2·0	81	51·2	+3·6	41	78	- 2	1·8	0	-0·21	0	- 0·5	0
Allahabad ...	29·732	-·012	S 74 W	2·9	55·3	52·0	77·3	+1·6	80	50·3	+2·6	40	79	+ 4	1·5	0	-0·23	0	- 0·5	0
Cawnpore ...	29·617	-·017	N 85 W	1·5	54·9	51·5	77·5	+2·0	82	50·7	+3·4	42	79	+ 3	1·0	0	-0·18	0	- 0·6	0
Lucknow ...	29·657	-·021	S 70 W	1·7	54·1	51·2	77·1	+1·5	81	49·7	+3·2	40	82	+ 5	1·1	0	-0·23	0	- 0·6	0
Bahraich ...	29·604	-·015	S 45 W	2·4 (c)	55·6	53·2	76·7	+1·9	82	50·1	+3·4	40	84	+ 3	0·6	0·03	-0·25	0	- 0·6	0·03
UNITED PROVINCES, WEST																				
Jhansi ...	29·206	-·020	S 64 W	1·5	59·0	52·7	78·9 (b)	+0·8	84	49·9	-1·4	42	63	+ 3	1·9	0	-0·21	0	- 0·7	0
Agra ...	29·485	-·013	N 74 W	3·1	54·5	49·5	75·1	-1·8	79	46·3	+1·9	36	69	- 8	1·6	0	-0·27	0	- 0·7	0
Mainpuri ...	29·511	-·012	N 60 W	1·5	51·8	50·5	77·5	+2·6	82	45·8	-0·8	39	73	0	1·6	0	-0·34	0	- 0·8	0
Bareilly ...	29·455	-·002	N 45 W	1·8	53·1	50·3	76·6	+3·9	81	48·4	+2·5	43	81	+ 1	1·3	0	-0·23	0	- 0·8	0
Meerut (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	-0·41	0	- 1·1	0
Roorkee ...	29·109	-·007	N 40 W	2·1	48·5	46·2	73·4	+1·9	77	43·4	+0·3	36	84	0	1·3	0	-0·54	0	- 1·2	0
Dehra Dun ...	27·737	-·009	N 3 E	1·5	46·8	42·9	71·5	+2·7	75	43·6	-2·0	37	72	- 2	2·5	0	-0·78	0	- 1·4	0
PUNJAB, EAST AND NORTH																				
Delhi ...	29·336	+·001	N 88 W	2·6	51·5	47·0	77·4	...	83	42·3	...	34	68	...	1·6	0	-0·40	0	- 0·9	0
Hissar ...	29·315	-·005	S 8 W	2·3	56·9	44·9	76·5	+2·4	84	43·8	+1·0	36	59	- 11	1·0	0·01	-0·28	0	- 0·8	0·01
Ambala ...	29·119	-·004	N 45 W	2·7	50·5	46·2	75·5	+3·4	80	44·5	+1·4	37	68	- 12	2·1	0	-0·57	0	- 1·3	0
Ludhiana ...	29·214	-·001	N 42 W	1·5	49·5	45·6	74·5	+4·2	81	42·6	-1·8	26	74	- 2	2·2	0	-0·65	0	- 1·3	0
Lahore ...	29·334	-·002	N	1·1	45·8	44·2	73·5	+1·2	79	40·9	-0·2	34	87	+ 5	1·6	0	-0·36	0	- 1·0	0
Sialkot ...	29·202	-·001	N 22 E	1·0	46·5	44·5	73·8	+4·5	80	40·5	-1·7	33	86	+ 7	1·5	0	-0·66	0	- 1·2	0
Rawalpindi ...	28·342	-·04	N 12 W	3·5	42·8	39·7 (d)	71·2	+4·4	77	37·9	+0·5	29	66 (d)	- 7	2·4	0	-1·10	0	- 2·0	0
PUNJAB, SOUTHWEST																				
Khushab ...	29·441	-·009	S	2·8	46·1	41·1	73·6	+2·9	82	41·7 (b)	+0·1	31	47	-13	1·9	0	-0·45	0	- 0·8	0
Lyallpur ...	29·461	+·029	N 23 W	1·6	49·5	45·2	72·7	+2·7	78	41·5	+1·9	34	70	-10	1·8	0	-0·35	0	- 0·7	0
Montgomery ...	29·498	-·002	N	1·5	50·6	47·0	73·0	+0·9	79	43·6	+1·0	35	75	+11	1·4	0	-0·30	0	- 1·0	0
Multan ...	29·632	-·015	N 59 E	1·8	53·8	46·5	77·4	+4·1	82	46·4	+1·3	40	54	-15	1·6	0	-0·22	0	- 0·6	0
Bahawalpur ...	29·688	...	N 70 E	2·0 (d)	50·4	46·5	76·1	...	85	44·8	...	38	72	...	1·6	0	...	0	...	0
Khanpur (b) ...	29·765	...	N 30 E	4·4	49·7	45·4	78·0	...	85	44·0	...	36	69	...	0·9	0	...	0	...	0
KASHMIR																				
Srinagar ...	25·011	+·008	S 21 E	1·9	30·4	...	52·7	+4·8	63	26·6	-0·8	19	...	...	4·8	0·21	-1·23	1	- 2·6	0·13
Sonamarg (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·77	-4·84	2	- 5·3	0·33
Dras ...	20·854	+·044	Calm	2·9	8·0	...	28·8	+3·1	35	3·1	+4·2	- 8	...	...	4·3	0·18	-1·55	0	- 5·8	0·07
Leh ...	19·703	+·016	N 28 E	2·4	17·5	...	34·7	-1·0	47	11·2	+1·4	7	...	...	4·6	0·04	-0·12	0	- 0·5	0·03
Skardu ...	23·045	+·069	Calm	0·2	26·5	...	41·2	+3·9	54	23·5	+1·8	14	...	...	5·1	0·18	-0·21	1	- 0·2	0·16
Gilgit ...	25·244	-·058	S 45 W	1·1	38·9	36·7 (k)	52·9	+3·4	60	35·7	+2·2	26	61 (k)	...	5·9	0·01	-0·10	0	- 0·3	0·01
NORTH-WEST FRONTIER PROVINCE																				
Peshawar ...	28·893	-·020	S 6 E	2·3	46·6	40·7 (c)	71·4	+4·8	80	41·5	+1·0	36	58 (c)	- 5	4·5	0·25	-0·34	1	- 0·3	0·25
Dera Ismail Khan (b) ...	29·496	+·005	S 18 W	1·8	47·3	41·7 (d)	73·9	+2·2	81	40·5	-0·1	30	58 (d)	-14	2·1	0	-0·20	0	- 0·6	0
Miranshah (c) ...	27·075	...	Calm	1·0	45·6	39·5	67·3	...	77	39·1	...	31	53	...	0·7	0	...	0	...	0
BALUCHISTAN																				
Fort Sandeman ...	25·469	+·024	E	1·3	34·2	...	60·4	-0·4	69	30·8	-0·4	21	...	...	1·2	0·06	-0·41	0	- 1·2	0·06
Harnai (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	-0·36	0	- 1·1	0
Quetta ...	24·767	-·015	N 50 E	4·5	29·9	... (n)	55·9 (l)	+1·0	67	26·6	-4·4	17	... (n)	...	3·6	0·29	-0·63	1	- 1·3	0·16
Chaman ...	25·779	-·009	S 57 E	4·0	40·4	39·9	56·6	+1·5	68	36·3	+3·4	25	52	...	1·5	0·34	-0·87	1	- 2·1	0·34
Kalat ...	23·770	-·001	S 8 W	5·3	26·4	...	57·1	+2·1	67	18·7	-4·5	9	...	...	2·8	0·05	-0·99	0	- 2·1	0·02
Dalbandin ...	27·332	-·018	S 11 E	1·9	38·9	...	36·1	+2·3	80	35·4	+2·0	19	...	...	1·0	0	-0·52	0	- 1·6	0

(a) Reports only rainfall. (b) Mean of 30 days. (c) Mean of 29 days. (d) Mean of 28 days. (l) Mean of 22 days. (k) Mean of 21 days. (n) Mean of 18 days.

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SIND																				
Jacobabad ..	29·573	−·024	N 32 E	1·5	59·9	45·4	78·3 (b)	+2·1	87	46·3 (b)	+2·1	37	70	+ 6	1·0	0	0·13	0	−0·4	0
Hyderabad ...	29·982	+·004	N 4 W	4·4	61·4	52·2	80·7	+2·1	90	54·3	+2·2	48	50	− 7	1·2	0	−0·06	0	−0·2	0
Karachi ..	30·012	−·019	N 44 E	5·5	64·7	57·5	86·3	+2·1	87	61·9	+2·7	37	62	+ 5	1·0	0	−0·14	0	−0·5	0
RAJPUTANA, WEST																				
Bikaner ...	29·287	+·017	S 75 E	5·3	53·3	46·9	77·8	+2·6	84	50·4	+0·8	41	58	+ 6	0·3	0	−0·18	0	−0·4	0
Jodhpur ..	29·237	−·014	N 49 E	3·4	59·8	50·8	82·1	+2·5	88	52·0	−0·2	45	50	+ 8	1·3	0	−0·12	0	−0·5	0
RAJPUTANA, EAST																				
Jaipur ...	28·608	+·012	N 65 E	3·0	60·5	51·7	78·4	+1·2	83	51·3	+2·6	43	52	− 4	1·8	0·04	−0·17	0	−0·6	0·02
Ajmer ...	28·419	+·033	S 69 E	1·8	58·7	51·2	77·1	+1·4	83	48·6	+2·2	43	56	−14	1·9	0·02	−0·26	0	−0·5	0·02
Kotah ...	29·270	+·031	N 54 W	1·3	60·3	53·7	80·6 (h)	+1·5	86	53·7	+0·8	50	63	+ 6	3·4	0	−0·25	0	−0·6	0
Jhalrapatan ...	28·473	...	N 2 W	1·5	58·5	52·5	79·5	...	81	50·7	...	45	66	...	2·4	0·02	...	0	...	0·02
Udaipur (a) ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·11	+0·05	1	+0·7	0·11
GUJARAT																				
Deesa ...	29·541	−·011	N 69 E	1·7	62·4	54·6	87·7	+1·9	92	53·3	+1·0	47	45	− 1	0·9	0	−0·04	0	−0·1	0
Bhuj ..	29·667	−·017	N	2·0	64·1	55·1	83·1	+1·3	87	56·1	+1·2	53	55	− 2	0·5	0	−0·04	0	−0·1	0
Dwarka ...	29·581	−·015	N 42 E	8·2	71·2	62·0	81·2	+2·3	88	64·2	+3·1	61	58	− 8	1·5	0	−0·04	0	−0·2	0
Rajkot ...	29·556	−·018	N 60 E	3·3	64·3	54·0	85·7	+0·7	89	55·5	+2·7	48	48	0	1·5	0	0·04	0	−0·1	0
Veraval ...	29·963	+·001	N 29 E	3·7	71·5	60·8	86·8	+2·7	91	63·4	+1·1	59	50	0	0·8	0	−0·09	0	−0·2	0
Surat ...	29·957	−·008	N 64 E	2·9	67·0	60·5	89·4	+1·7	96	61·4	+2·8	56	68	+ 7	3·2	0·11	+0·07	1	+0·9	0·11
Bhavnagar ...	29·954	−·012	N 29 W	3·0	63·7	56·9	84·3	−1·0	87	56·7	+0·8	53	58	+ 4	2·1	0	−0·07	0	−0·1	0
Ahmadabad ...	29·857	−·007	N 61 E	3·4	68·7	58·7	87·0	+0·6	90	61·0	+1·7	53	52	+ 6	0·9	0	−0·03	0	0	0
CENTRAL INDIA, WEST																				
Neemuch ...	28·387	−·007	N 63 E	3·0	61·7	53·0	78·4	−0·1	82	51·1	+2·0	46	53	− 1	2·0	0·04	−0·13	0	−0·5	0·04
Indore ...	28·170	−·008	S 45 E	1·8	62·2	55·5	77·4	−2·5	82	52·0	+2·2	45	63	+ 4	2·4	0·67	+0·46	2	+1·5	0·33
Bhopal ...	28·367	...	S 67 E	1·5	62·5	54·4	78·8	...	83	51·1	...	45	67	...	2·4	0·07	...	0	...	0·02
CENTRAL INDIA, EAST																				
Nowgong ...	29·985	−·001	S 45 W	1·1	54·4	51·7	75·5 (r)	+0·5	79	46·5	+0·1	39	82	+ 5	2·3	0	−0·41	0	−0·6	0
Sutna ...	28·975	−·004	S 73 W	1·9	65·7	53·1	78·4	+3·2	82	45·3	−1·4	40	66	− 3	1·9	0	−0·36	0	−0·8	0
BERAR																				
Akola ...	29·083	−·011	N 71 E	3·2	62·0	55·8	82·3	−2·1	87	54·2	+1·9	47	66	+11	1·7	0	−0·60	0	−1·0	0
Amraoti ...	28·784	−·005	N 60 E	4·1	64·0	56·6	81·3	−1·8	85	58·3	+0·8	55	61	+10	3·2	0·27	−0·22	1	+0·3	0·27
CENTRAL PROVINCES, WEST																				
Khandwa ...	28·954	−·010	S 81 E	3·0	62·0	55·6	83·9	+0·3	88	52·3	+1·2	41	64	+ 4	1·4	0·02	−0·26	0	−0·4	0·02
Hoshangabad ...	29·041	+·005	E	3·6	62·8	55·5	79·4	+0·3	82	55·0	+5·5	48	60	− 5	2·9	0·15	−0·28	1	+0·3	0·11
Saugor ...	28·193	−·006	S 66 E	5·5	63·6	53·9	76·1	−0·9	81	54·0	+1·4	50	45	− 7	2·3	0	−0·44	0	−0·6	0
Jubbulpore ...	28·991	+·011	S 14 E	1·5	65·6	51·5	77·5	+0·5	81	49·1	+2·4	44	74	0	1·7	0·15	−0·14	0	−0·6	0·09
Seoni ...	27·959	−·011	N 28 E	2·6	59·7	53·7	76·2	−1·5	82	50·9	+0·7	47	65	+ 3	1·7	0·19	−0·34	1	+0·1	0·18
Nagpur ...	28·900	−·003	N 58 E	2·4	61·9	54·5	80·7	−1·0	85	51·7	+0·5	50	60	0	2·8	0·04	−0·50	0	−0·9	0·02
CENTRAL PROVINCES, EAST																				
Pendra ...	27·951	−·009	N 28 W	2·1	57·6	53·1	73·0	−2·2	77	49·8	0	43	71	+11	1·9	0·06	−0·21	0	−0·5	0·06
Raipur ...	29·038	−·001	N 45 E	2·9	61·3	56·0	79·7	+0·2	82	52·8	−1·3	50	69	+ 4	1·3	0	−0·24	0	−0·4	0
Kanker ...	28·688	...	S 79 E	3·0	57·4	54·8	78·2	...	81	43·3	...	43	84	...	2·5	0	...	0	...	0
Chanda (b) ...	29·376	−·005	N 7 W	2·5	60·6	57·5	79·9	−2·8	83	52·0	−0·2	48	81	+ 8	1·9	0	−0·24	0	−0·7	0
Jagdalpur ...	28·142	−·010	N 45 E	1·0	58·3	56·0	79·4	+3·2	82	50·8	−0·8	45	85	+ 3	0·8	0	−0·20	0	−0·5	0
KONKAN																				
Bombay ...	29·918	−·024	N 75 E	6·3	72·4	67·5	87·7	+1·3	93	60·8	+1·3	65	73	+ 1	2·9	0·65	+0·54	2	+1·9	0·54
Ratnagiri ...	29·732	−·015	N 78 E	6·2	78·9	69·5	88·1	−1·1	92	68·9	+1·4	64	48	− 6	1·0	1·86	+1·78	3	+2·8	1·33
Marmagao ...	29·728	−·017	S 87 E	5·4	75·9	67·8	87·5	...	92	72·2	...	67	65	...	5·4	1·26	+1·03	2	+1·6	0·91
Karwar ...	29·876	−·027	N	1·8	71·3	67·3	88·7	+1·2	92	68·9	+2·4	61	76	0	5·4	3·90	+3·57	4	+3·7	1·87
BOMBAY DECCAN																				
Malegaon ...	28·561	−·002	S	1·5	62·5	56·4	81·8	−3·1	86	52·8	+0·8	45	65	+12	4·3	0·25	+0·06	1	+0·7	0·19
Ahmadnagar ...	27·825	−·014	N 45 W	2·9	62·8	56·4	79·3	−4·1	85	53·8	+1·1	46	65	+ 9	3·5	1·91	+0·60	2	+1·5	0·61
Poona ...	28·141	−·005	N 58 E	1·9	62·4	57·2	81·7	−3·0	89	53·6	+0·6	46	71	+18	3·7	0·32	+0·16	1	+0·5	0·21
Sholapur ...	28·395	−·013	N 88 E	4·3	67·2	58·6	83·1	−1·0	87	58·2	−0·1	50	57	+ 7	3·3	0·40	−0·05	2	+1·4	0·20
Bijapur ...	28·017	−·006	N 83 E	2·4	66·9	59·7	80·7	−3·7	85	59·3	+1·5	52	63	− 2	3·7	1·12	+0·89	2	+1·5	0·70
Belgaum ...	27·394	−·012	N 78 E	3·2	66·4	60·0	80·1	−1·7	84	60·1	+1·7	52	67	+ 7	4·4	0·88	+0·51	2	+1·6	0·48
HYDERABAD, NORTH																				
Aurangabad ...	28·088	−·022	S 89 E	3·9	63·4	56·0	79·9	−3·9	85	55·1	−0·2	49	60	+11	4·2	0·36	+0·07	1	+0·4	0·33
Parbhani (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·90	+0·06	2	+1·0	0·64
Nizamabad ...	28·745	+·031	N 67 E	(d) 1·3	63·3	55·5	82·6	−0·9	86	55·3	+1·2	50	71	+ 5	2·6	0·32	+0·13	1	+0·6	0·32

(a) Reports only rainfall. (b) Mean of 30 days. (d) Mean of 28 days. (h) Mean of 24 days. (r) Mean of 14 days.

TABLE III, DECEMBER 1931

STATION.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
					MEAN 8 H.		MAXIMUM.			MINIMUM.										
	At 8 h., reduced to 32° and standard gravity.	Departure from normal.	Mean direction at 8 h.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month.	Mean.	Departure from normal.	Lowest in month.	Mean 8 h.	Departure from normal.	Mean amount 8 h.	Total of the month.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HYDERABAD, SOUTH																				
Gulbarga ...	28·471	-·009	N 75 E	6·6	67·8	59·1	83·2	-2·3	87	59·6	+1·1	52	58	- 2	4·1	0·58	+ 0·42	1	+0·7	0·54
Raichur ...	28·659	-·003	N 83 E	5·3	71·5	53·4	84·7	-0·2	88	65·7	+2·0	58	62	- 3	3·5	0·03	- 0·12	0	-0·2	0·03
Hyderabad ...	28·245	0	S 75 E	3·2	64·4	59·4	81·7	-0·7	85	57·7	-0·6	52	72	0	3·6	0·04	- 0·15	0	-0·4	0·04
Hanamkonda ...	29·116	-·001	N 10 W	2·5	66·6	60·9	82·8	-0·4	87	59·6	-0·2	54	70	+12	2·5	0	- 0·22	0	-0·4	0
MYSORE																				
Chitaldrug ...	27·545	-·007	S 87 E	4·6	63·8	61·2	81·9	-1·1	85	63·3	+2·1	56	79	+12	7·0	1·69	+ 1·35	5	+4·4	0·44
Bangalore ...	26·934	-·025	N 58 E	5·7	66·4	63·3	78·4	-0·5	84	61·2	+2·7	54	84	+ 5	7·8	0·81	+ 0·36	2	+0·7	0·37
Mysore ...	27·413	-·030	N 51 E	6·4	68·6	64·9	80·1	-1·7	84	63·5	+3·1	55	81	+ 6	6·1	1·64	+ 1·27	2	+1·1	1·31
MALABAR																				
Mangalore ...	29·820	-·035	N 80 E	4·6	76·9	70·7	88·5	-0·4	93	72·3	+1·9	65	73	+ 6	6·0	2·32	+ 1·82	5	+4·3	0·91
Calicut ...	29·862	-·029	S 67 E	2·5	77·3	73·0	88·5	+1·5	92	73·3	+2·2	68	79	0	6·5	2·01	+ 0·92	4	+2·3	1·07
Cochin ...	29·972	-·031	N 53 E	4·5	79·4	73·4	86·4	-2·3	89	75·5	+2·7	68	75	+ 1	6·1	2·69	+ 0·95	6	+3·4	0·84
Trivandrum ...	29·651	-·047	N 21 E	3·6	76·7	74·3	83·9	+0·6	87	74·6	+1·7	69	89	+ 9	6·3	7·21	+ 4·80	6	+2·4	3·45
MADRAS, SOUTHEAST																				
Palamcottah (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18·60	+14·60	5	-0·4	7·95
Pamban ...	29·847	-·042	N 13 W	14·7	77·6	74·7	81·5	-1·1	84	74·5	0	73	89	+ 1	6·1	32·87	+25·38	17	+7·6	7·51
Madura ...	29·423	-·054	N 27 E	4·2	74·6	70·4	83·5	-2·5	88	71·9	+1·5	67	81	+ 5	8·4	6·02	+ 4·25	8	+4·5	1·77
Negapatam ...	29·864	-·040	N 2 E	11·5	76·4	74·0	81·3	-0·8	84	73·9	+1·9	69	89	+ 6	8·9	33·77	+22·37	20	+10·7	14·44
Trichinopoly ...	29·669	-·040	N 10 E	4·5	74·9	71·7	82·3	-3·1	87	71·4	+2·1	64	85	+ 8	6·7	12·93	+10·37	10	+5·4	5·34
Coimbatore ...	28·561	-·042	N 47 E	2·4	72·1	69·0	81·5	-3·2	87	68·7	+3·0	61	85	+ 3	8·3	3·86	+ 2·68	6	+3·4	2·41
Salem ...	28·984	-·048	N 29 E	4·0	72·6	68·9	83·6	-2·6	89	68·1	+2·5	61	82	+ 5	7·4	4·82	+ 3·84	9	+6·8	1·88
Cuddalore ...	29·880	-·036	N 3 W	6·1	75·4	72·9	91·3	-1·5	84	72·5	+2·6	66	83	+ 2	7·7	42·35	+35·12	16	+9·8	15·79
Vellore ...	29·220	-·042	N 9 E	2·7	70·8	69·1	79·7	-2·6	85	67·2	+2·7	61	91	+ 6	7·4	11·46	+ 8·75	12	+6·1	2·41
Madras ...	29·905	-·043	N 9 E	10·7	76·5	73·0	82·0	-1·4	85	72·2	+2·3	63	85	+ 2	7·8	10·35	+ 4·54	12	+6·8	2·73
MADRAS, DECCAN																				
Cuddapah ...	29·589	-·014	N 23 E	4·0	73·3	68·8	82·9	-2·6	88	67·9	+2·6	59	80	+ 3	6·0	0·50	- 0·40	1	-0·5	0·24
Bellary ...	28·478	-·015	S 78 E	3·0	70·1	64·3	83·7	-2·4	87	64·5	+3·0	58	72	+ 6	5·7	0·54	+ 0·43	1	+0·7	0·49
Kurnool ...	29·044	-·009	N 51 E	3·4	70·0	63·2	85·2	-1·5	86	63·3	+3·2	53	66	- 6	4·7	0	- 0·24	0	-0·4	0
MADRAS COAST, NORTH																				
Nellore ...	29·888	-·029	N 15 W	3·3	73·8	71·1	82·4	-1·6	87	70·6	+2·5	64	88	+ 2	6·7	4·41	+ 1·23	5	+1·9	1·76
Masulipatam ...	29·975	-·042	N	4·7	72·8	67·5	81·6	-1·5	85	67·6	+1·1	61	75	- 6	3·2	0	- 0·87	0	-1·1	0
Cocanada ...	29·962	-·021	N 33 E	7·5	73·1	66·5	81·0	+0·5	83	67·0	+0·9	63	70	- 4	4·8	0	- 0·97	0	-0·9	0
Vizagapatam ...	29·861	-·023	N 10 E	5·8	73·0	64·5	81·5	+0·7	85	69·3	+1·2	61	51	- 2	4·0	0·11	- 0·62	1	0	0·11
Calingapatam ...	29·989	-·009	N 31 W	7·9	68·3	64·3	79·7	-1·2	84	63·5	+1·3	59	79	- 2	2·8	0	- 1·01	0	-0·7	0
Gopalpur ...	29·965	-·008	N 22 W	6·6	67·1	62·9	80·9	+1·0	83	61·3	+0·3	57	78	+ 1	2·8	0	- 0·74	0	-0·9	0
HILL STATIONS, EXCLUDING KASHMIR AND BALUCHISTAN																				
Mayuyo ...	26·480	+·014	N 41 E	1·1	55·5	54·9	72·3	+2·8	78	49·1	+5·6	40	96	+ 3	3·4	2·90	+ 2·26	3	+1·8	1·37
Shillong ...	25·177	+·003	S 45 E	1·9	51·2	47·2	62·2	+0·6	67	40·4	+0·7	31	74	+ 2	2·5	0·41	+ 0·22	3	+2·4	0·14
Cherrapunji ...	25·739	+·016	N 86 E	3·9	56·9	50·8	62·6	+0·7	72	49·8	+2·4	42	66	- 2	2·6	0·17	- 0·14	1	+0·3	0·11
Darjiling ...	22·962	+·001	S 76 E	2·2	46·4	39·8	51·3	+1·9	57	38·9	+3·2	33	57	-19	3·0	0	- 0·24	0	-0·6	...
Mukteswar ...	22·857	+·013	S 72 W	5·4	45·4	36·7 (f)	51·3	+0·3	62	40·7	+2·7	34	26 (f)	- 5	2·1	0	- 0·69	0	-1·4	0
Mussooree ...	23·416	+·035	N 24 E	4·2	45·8	37·3	54·5	+3·3	63	41·3	+1·2	37	45	- 9	5·1	0	...	0	...	0
Simla ...	23·138	+·014	S 41 E	1·9	46·2	35·7 (f)	53·4	+3·3	64	40·4	+1·2	35	33 (f)	- 1	3·0	0·03	- 1·08	0	-2·0	0·01
Dharampore (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	...	0	...	0
Dalhousie (a) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·05	...	0	...	0·05
Murree ...	23·254	...	S 78 E	5·5	40·7	34·9 (m)	50·8	-0·7	58	36·8	-1·8	31	49 (m)	+ 2	2·5	0	- 1·57	0	-2·8	0
Cherat ...	25·815	+·025	N 29 W	12·7	47·7	36·6 (b)	55·3	+1·1	65	44·6	+2·5	24	38 (b)	- 6	3·3	0·51	- 0·95	1	-0·9	0·51
Parachinar (b) ...	24·528	+·036	N 18 W	3·1	40·1	34·9 (h)	54·7	+0·4	62	34·1	+1·9	27	54 (h)	- 8	4·4	0·91	- 0·23	2	-1·2	0·57
Drosh ...	...	...	E	1·7	39·2	35·1 (h)	49·9	-1·4	65	36·7	+1·7	32	61 (h)	- 3	4·9	1·99	+ 0·99	2	-1·2	1·30
Mount Abu ...	26·113	0	N 89 E	3·1	61·0	49·9	68·9	+0·7	73	51·7	-1·2	48	44	+ 2	2·5	0	- 0·13	0	-0·3	0
Pachmarhi ...	26·541	+·017	N 81 E	1·4 (r)	61·4	53·1	69·7	-1·1	74	45·0	-0·8	41	57	- 7	3·9	0·30	- 0·16	1	+0·3	0·27
Mercara ...	26·196	-·017	N 72 E	6·4	62·7	60·6	72·8	-2·4	76	59·5	+3·0	53	88	+ 4	6·2	0·96	+ 0·23	3	+1·9	0·59
Kodaikanal ...	22·783	-·009	N 72 E	8·8	53·6	50·6	59·2	-2·9	66	49·3	+2·4	45	84	+21	7·2	15·67	+11·25	18	+11·0	6·02
Coonoor ...	23·462	...	S 65 E	3·3	59·0	55·9	65·0	...	69	52·5	...	40	84	...	7·4	21·56	...	15	...	5·10
CEYLON																				
Colombo ...	29·840	-·032	N 39 E	4·2	75·5	73·6	85·0	-1·6	87	73·1	+0·5	69	91	+ 6	7·3	15·44	+9·96	17	+9·5	3·05

(a) Reports only rainfall. (b) Mean of 30 days. (f) Mean of 26 days. (h) Mean of 24 days. (m) Mean of 19 days. (r) Mean of 14 days.

Y. P. P.—S 1959—490—16-1-32