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GOVERNMENT OF INDIA

India METEOROLOGICAL DEPARTMENT

THE

INDIA WEATHER REVIEW

FOR THE YEAR

1908

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GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, JANUARY, 1908.

INTRODUCTION.

THIS review of the weather in India during the month of January 1908, is based on observations taken daily at 8 hrs. at 238 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 35 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by the Provincial Governments up to the date of the preparation of the review, have been utilized. The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories.

In the remaining monthly reviews of the present year the brief statements of the methods of recording and tabulating the data, for each of the elements of observation, given in the present number at the commencement of each section, will not be repeated.

Up to the end of the year 1906 there have been published in Tables I and II the data of the first, second and third class stations. From 1907 the tables have been called B and A respectively, and a Table C has been introduced containing the data of fourth class stations.

Summary of the chief features of the weather in India during the month of January, 1908.

2. The most important feature of the meteorology of the month was the cold weather storm of the 9th to the 15th, which crossed northern India south of the usual tract and gave rise to a deep secondary depression in the Punjab; the combined action of these two disturbances gave general and moderately heavy rain over the whole of India north of the latitude of Nagpur and in addition on the north Madras coast and in south Hyderabad. One other depression entered north-west India towards the end of the month and also developed a deep secondary in the central Punjab on the 30th, but up to the 31st the precipitation associated with it was confined almost entirely to Baluchistan, Kashmir and the west Himalayas.

Temperature and the hygrometric conditions were approximately normal but there was more cloud than usual over the greater portion of the country especially in north-east India, the United Provinces and Hyderabad.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar Observations.*—There were two days in the month unfavourable for spot and three for prominence observations. On 8 other days the latter observations were either partial or were made in poor weather.

Sunspots.—Twenty-four new spot groups were observed

in the month with a daily average of 3·5. One of them 1323 was the return of group 1307 seen in December, and 1344 may be regarded as the return of 1323; it, however, lasted for only a few days after the second return. More than half the spots of the month formed on the visible disc. The spot activity was more nearly equal in the two hemispheres than in the preceding two months, though there was still a slightly larger number of southern spots. The distribution was as follows:—

	1°-10°	11°-20°	above 20°
North	6	4	1 (22°)
South	8	5	

Large spots were again fairly abundant—seven altogether—though not so numerous as in December. Of these No. 1321 came into view on the last day of the previous month. It became a train of penumbral patches on January 5 and was subsequently reduced to a few dots. No. 1323 came round the east limb as an irregular group of large spots but most of them gradually dwindled in size till, on the 8th, the group consisted of one large spot with a number of small companions. No. 1326 first appeared as a dot to the west of the central meridian on January 4; it became a moderate-sized spot with companions on the 5th and was reduced again to a few small dots on the 7th. It was the only group that showed any marked spectroscopic activity. C was reversed and D_3 was dark on it on the 8th and 9th. No. 1328 was fairly large when it came round the east limb and gradually decreased till it became little more than a dot when near the west limb. No. 1338 first appeared as a group of small spots to the east of the central meridian and developed into a double spot group on the 23rd. There was nothing striking about the other two large spots, Nos. 1331 and 1343, except that the latter became smaller and disappeared before reaching the west limb. Most of the large spots of the month are thus seen to have lost in size as they neared the west limb.

Prominences.—Seventy-one prominences a minute or more in height were observed showing a higher daily average than in December. The tallest of them, observed at latitude—49° west on the 12th, was a changing irregular streak 200″ high. It was in a large active region in which fairly large prominences were observed almost every day from the 11th to the 20th. An eruptive prominences at latitude—18° west on the 19th underwent rapid changes of form but unlike most prominences of that kind persisted till the next day when again it was found to be changing. Fifteen metallic prominences were observed but they did not show any other than the usual Na, Mg and Fe lines.

Magnetic disturbances.—There was a "moderate" magnetic disturbance on the 29th from $6^h\ 30^m$ to 16^h and "small" disturbances from the 9th to the 10th and from the 27th to the 29th. On the 9th and 10th the large group 1323 was close to the central meridian.

C. MICHIE SMITH,
Director,
Kodaikanal and Madras Observatories.

BOMBAY OBSERVATORY.

Note on the Alibag Magnetic Record.

4. During the month the traces showed 11 calm days, 18 days of small and 2 days of moderate disturbance.

The days of the month selected as "quiet" are the 1st, 14th, 17th, 20th and 26th.

The observed absolute values of the several magnetic elements reduced to the mean monthly tabulations of the magnetograms, as also the ranges and the summed ranges of the Horizontal Force and the Declination for the month are as follow:—

Easterly declination	1° 3′ 10″
Horizontal Force	0·36870 C. G. S. Unit.
Vertical Force	0·15880 C. G. S. Unit.
Dip (Calculated)	23° 18′·1.
Dip (observed twice a week)	23° 17′·3.
Horizontal Force Range	0·00038 C. G. S. Unit.
Horizontal Force Summed Range	0·00244 C. G. S. Unit.
Declination Range	1′·62.
Declination Summed Range	7′·07.

(NOTE.—Summed range means sum without regard to signs of 24 ordinates of diurnal inequality).

The following table represents the magnetic character of each day in the month:—

Day.	Character.	Day.	Character.	Day.	Character.	Day.	Character.
1	C.	9	M.	17	C.	25	S.
2	S.	10	C.	18	C.	26	C.
3	S.	11	S.	19	S.	27	S.
4	S.	12	S.	20	C.	28	S.
5	S.	13	C.	21	S.	29	M.
6	S.	14	C.	22	C.	30	S.
7	S.	15	S.	23	C.	31	S.
8	S.	16	C.	24	S.		

The Magnitudes of the disturbances are determined from Horizontal Force traces. C.=Calm; S.=Small; M.=Moderate; G.=Great; V.G.=Very great. Days are reckoned from midnight to midnight.

Seismic Disturbances Recorded at Colaba.

Three seismic disturbances were recorded during the month, on the 11th, 12th and 15th.

List of Seismic disturbances.

Date.		Commencement. G. M. T.	Maximum. G. M. T.	End. G. M. T.	Maximum Displacement from Mean position in m m.	Duration.
		H. M.	H. M.	H. M.		H. M.
January 1908.	11th	3 43·0	4 3·4	5 2·3	3·5	1 19·3
"	12th	10 27·9	10 29·5	10 42·1	1·2	0 14·2
"	15th	13 16·1	13 41·2	14 14·7	1·1	0 58·6

N. A. F. MOOS,
Director,
Bombay and Alibag Observatories.

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the Milne seismograph at the Alipore Observatory during January 1908.*

Date 1908.	P. T. Commencement G. M. T.	L. W. Commencement. G. M. T.	Maximum. G. M. T.	End. G. M. T.	* Duration.	Maximum displacement on trace from mean position.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
11th January	3 41·7	3 49·8	?	5 17·9	1 36·2	?	
12th „	10 26·9	...	10 31·0	10 38·7	0 11·8	0·75	
15th „	13 6·6	13 26·0	13 29·6	14 15·4	1 8·8	3·50	
16th „	9 19·1	...	9 20·1	9 23·2	0 4·1	0·50	
27th „	15 55·6	16 2·7	16 4·2	16 28·6	0 33·0	3·25	

Time of Maximum and its amplitude cannot be determined as the boom moved throughout the trace.

Sensibility 1 mm.=0·38″ of tilt.

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing Seismograph; magnification was 20 during the whole month.*

Date. 1908.	Commencement of 1st P. T. G. M. T.	Commencement of 2nd P. T. G. M. T.	Beginning of L. W. G. M. T.	Time of Maximum amplitude G. M. T.	End approximately G. M. T.	Duration.	Maximum displacement of style.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
Jan. 10th	3 42·6	3 48·6	3 56·9	3 57·5	4 30·0	0 47·4	55	Origin about 3,100 miles distant.
11th	8 24·2	...	...	8 25·5	8 34·0	0 9·8	1	Origin short distance away.
12th	10 22·3	...	10 23·9	10 28·5	10 39·0	0 16·7	1	Baluchistan. *

* The earthquake on the 12th appears to have been felt over a large part of north-east Baluchistan with the area of greatest disturbance near Sharigh. This station was badly damaged and the embankments of the railway bridge near Sharigh subsided considerably. The first disturbance consisted of two rather severe shocks and was followed by several after-shocks, the last one being felt at about 15 hrs. G. M. T.

A slight earthquake was felt in the Khyber on the 11th.

Solar Radiation.—The following figures give the intensity of solar radiation, as measured at Simla by Angstrom's pyrheliometer. The values are corrected to local noon, and expressed in grammecalories per square centimetre per minute:—

Maximum	1·54
Minimum	1·43
Mean	1·47
Number of days of observation	10.

J. PATTERSON,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. *Solar observations.*—Observations were taken on every day except the 1st, 6th, 8th to 12th, 15th, 19th, 20th, 27th, 28th and 30th, groups of sunspots being seen throughout. They were especially numerous between the 16th and 18th, and faculæ were visible on each day of observation:—

Magnetic Disturbances.

Day.	Time.	Disturbance.
3	14½ h. to 18 h.	Wave in H. F. (−20).
6	1½ h. to 3½ h.	Wave in H. F. (+20).
9	5 h. to 11½ h.	Wave in H. F. (+40) followed by fluctuations (±10) till 10th 2 h.
9	5½ h. to 7½ h.	Wave in dec. (+20): 10½ h. to 11 h. double wave in dec. (−20 to +11) 19 h. to 20½ h. wave in dec. (+28).
12	¾ h. to 2h.	Wave in H. F. (+22): in dec. (−18).
18	2½ h. to 3½ h.	Wave in H. F. (+14): in dec. (−10).
19	1¾ h. to 3½ h	Wave in H. F. (+11): in dec.−9).
27	17½ h.	Sharp increase in H. F. (12) followed by small fluctuations till 28th 23 h.
29	10¾ h. to 13¼ h.	Irregular decrease in H. F. (86): in dec. small fluctuations.
31	17½ h. to 19 h.	Wave in H. F. (−15).

T. F. CLAXTON,
Director.

Weather in the India monsoon region.

8. Pressure was in defect at Mauritius and in excess at Zanzibar and Seychelles, but the winds were normal in direction and strength at all three stations. Rainfall was nearly 15 inches less than usual at the Seychelles while there was also a slight deficiency at Zanzibar but at Mauritius there was an excess.

	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure	−·042	+·019	+·025
Actual mean wind direction	S 77° E	N 31° E	N 30° W
Normal mean wind direction	S 86° E	N 33° E	N 39° W
Actual mean wind velocity (miles per diem).	227	181	138
Normal mean wind velocity (miles per diem).	266	187	147
Rainfall departure from normal	+3·06	−2·94	−14·63

Depressions and cyclonic storms.

9. Pressure was falling over Baghdad from the 3rd to the 5th, and on the next day there was a large rise, showing that a depression had passed eastward, which was further borne out by light rain falling at Bushire and Ispahan. On the 6th a depression began to develop over Baluchistan, causing south-easterly winds and heavy cloud. This depression however remained stationary until the one from Persia advanced eastward and coalesced with it on the 8th, by which time precipitation had commenced in Baluchistan and Kashmir, and by the morning of the 9th had extended along the Mekran coast from Jask to Kurrachee. By the union of the two depressions a disturbance of great extent and considerable intensity was formed. Its main centre entered India in the neighbourhood of Kurrachee and was thus considerably south of the usual tract; as it moved eastward a deep secondary depression was formed with its centre between Multan and Dera Ismail Khan. There is some evidence to show that this secondary was partly the result of a local intensification of a centre of the original disturbance which passed to the north of Quetta and Chaman. The secondary for the time being obliterated all trace of the original. Rainfall which had commenced in western Sind on the 9th spread eastward very rapidly and by next morning rain was falling over the whole of north west India as far east as Bikaner, Montgomery and Jodhpur; on the 11th the secondary had commenced to fill up and pressure was now lowest over Jacobabad, while the primary had moved into the Central Provinces; there had been a very remarkable extension of rainfall during the previous 24 hours, during which time rain had fallen north of a line through Surat and Nagpur and west of a line through Benares and Pendra omitting Sind and Gujarat. By the 12th the two disturbances had become completely separated from each other as regards their areas of rainfall. In the Punjab the secondary had almost filled up but continued to give good precipitation in the north-west of the United Provinces the east and north Punjab, the North-West Frontier Province and Kashmir up to 8 hrs. on the 12th but after that rainfall completely ceased. The original depression by this time had reached the north Madras coast and was giving rain to the tract of country extending from the eastern districts of the United Provinces to the central districts of Assam and as far south as Orissa; it passed out into the Bay during the day and moderate to heavy rain fell on the northern half of the east coast, Waltair recording as much as 5·20″ on the 13th: rainfall continued in this area next day and by the morning of the 15th all trace of the original depression disappeared. The rainfall accompanying this storm was so heavy that it gave almost the normal amount of rain for the month in the plains of the Punjab and of the United Provinces.

A depression developed over Persia and Arabia from the 13th to the 17th by which date it was central near the head of the Persian Gulf and was of considerable intensity; it caused rain in Persia but it may have been of the nature of a secondary, the primary being to the north, for it disappeared without moving any appreciable distance, while the primary passed through or to the north of Kashmir where it gave light precipitation on the 19th.

An area of low pressure extending from Baluchistan to the Persian Gulf appeared on the 21st and gave rain over these areas: as it moved eastward another part probably of the same general disturbance began to affect Kashmir and together they gave precipitation in Baluchistan and Kashmir on the 22nd and 23rd, but by the latter date the weather had become settled in the former area though precipitation continued in Kashmir until the 27th and on the 26th extended along the west Himalayas. The disturbance did not give any more precipitation on the plains until it reached north-east India when light rain fell in parts of Assam on 27th and in north Burma next day.

The pressure changes on the 26th indicated that a depression was approaching or forming over Baghdad and next day it was well marked, while rainfall had extended eastward as far as the head of the Persian Gulf, Ispahan and Tehran. On the 28th snow was falling at Meshed and skies had commenced to cloud over in Baluchistan but at Baghdad in the rear of the depression rainfall had ceased. The depression entered north-west India on the 29th and the observations of the 30th would appear to indicate that there were three centres, one in Kashmir, a second in the central Punjab and the third or primary in east Rajputana: the second centre was the result of secondary action and it was as deep as the one in Kashmir the pressure at both centres being over a third of an inch in defect, and the primary centre was obliterated by the secondary: on the 31st the secondary was intensified by the advance of a fresh depression from Baluchistan and the centre of the combined disturbance was now over Multan where pressure was over four-tenths of an inch in defect, while a further development had taken place in Kashmir; the primary depression had in the meantime moved in to the east of Central India; considering the intensity of the disturbance the precipitation up to the end of the month had been very light and occurred chiefly in the north-west of the United Provinces, the west Himalayas and the extreme north. The further course of the depression will be described in the February review.

Pressure.

10. In most of the observing stations in India mercurial barometers on Fortin's principle of fiducial point adjustment, with tubes of 0·4″ bore throughout are in use. These are on the whole preferable to the pattern of barometer on the Kew principle, still in use at some Indian stations, which has its scale calibrated to compensate for the change of level of the mercury in the cistern as the pressure alters.

The following list contains the names of all stations equipped with Casella instruments of the latter class :—

Aden.	Delhi.	Negapatam.
Arrah.	Dinajpur.	Noakhali.
Barisal.	Dunga. (Zanzibar.)	Nowgong.
Bhamo.	Faridpur.	Perim.
Bogra	Gorakhpur.	Rangoon.
Bushire.	Jalpaiguri.	Rangpur.
Chapra.	Midnapore.	Ratnagiri.
Cochin.	Minbu.	Sambhar.
Comilla.	Monywa.	Tavoy.
Cuddapah.	Mymensingh.	Toungoo.
	Zanzibar.	

The instruments at the following stations are by various makers and of various kinds :—

Colombo.	Patiala.	Trivandrum.
Dehra.	Pusa.	
Diego Garcia.	Trincomalee.	
Katmandu.		
Kurnool.		

At Calcutta, Bombay and Allahabad the standards are Newman instruments on the Fortin principle, with adjustable scales and fiducial points, and tubes of large bore. Some portable Wild-Fuess standards for purposes of comparison during inspections are now in use; the principle of the instruments allows of the determination at any time of changes that occur in their corrections caused by the access during transport of small quantities of air to the vacuum spaces above the mercury.

All instruments are compared at Calcutta before issue, and their corrections determined to the Calcutta standard, which is believed to be ·011″ higher than the Kew standard.

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

Those heights above mean sea-level of the barometers of all stations given in Table B or Table A which have been obtained accurately by actual measurement are given in Roman figures. In the great majority of cases they have been referred to datum levels determined by the Great Trigonometrical Survey of India; of the remaining stations those heights which have been determined barometrically are printed in italics, and those which are only approximate are indicated by a note of interrogation.

The readings of the barometers are reduced to 32°F, and from 1st January 1905 have been corrected to constant gravity in all cases. They are reduced to sea-level in the cases of stations the elevations of which are accurately known and are below 3,200 feet. Each reading is separately corrected, and the means of the month are the means of the daily corrected readings.

In Table B (2), columns 4 to 11, under the general heading "Pressure, 8 hrs. in inches," are given for each station, the 8 hrs. barometric data of the month, including—

(1) The mean 8 hrs. pressure reduced to 32°F., and its departure from the normal mean pressure (reduced to 32°F.) of the month.

(2) The mean 8 hrs. pressure corrected to sea-level and to constant gravity, or to constant gravity only in cases of stations the elevations of which are above 3,200 feet.

(3) The highest and lowest pressures recorded during the month, with their respective dates of occurrence.

(4) The total range of 8 hrs. pressure during the month.

In Table A, columns 4 to 9, under the general heading "Pressure," are given for all stations recording observations at 10 hrs. and 16 hrs.—

(1) The monthly means of the two hours of observation, 10 hrs. and 16 hrs. reduced to 32°F.

(2) The mean daily range.

(3) The mean of daily mean pressures reduced to 32°F., and its departure from the normal.

(4) The mean of daily mean pressures reduced to 32°F., and corrected to constant gravity and to sea-level, or to constant gravity only in cases of stations the elevations of which are above 3,200 feet.

The means of daily pressures have been obtained by taking the means of the 10 hrs. and 16 hrs. observations and applying corrections for each month, derived from the observations of the same or neighbouring stations, to give true daily means.

The distribution of the mean 8 hrs. pressure of the month is shown on two charts. The first chart (Plate I) gives the distribution of the mean pressure of the month reduced to sea-level and to constant gravity (that of Lat. 45°) by means of isobars drawn for differences of pressure of 0·05″ or $\frac{1}{20}$ of an inch. The second chart (Plate II) gives the departures from the normal of the actual mean 8 hrs. pressure reduced to 32°F.

The greater part of the normal 8 hrs. daily and monthly means of pressure utilized in the pressure section of the review have been deduced from the barometric observations of the whole of the twenty-two years' period 1878—99, and in all except 21 cases the periods employed equalled or exceeded ten years.

A small chart, No. 2 of Plate IV, gives the distribution of the monthly mean daily pressure corrected to standard gravity and to sea-level, and of the mean winds; it is in the same form as in the monthly charts which were issued with the annual reports on the meteorology of India previous to the year 1891. The data on which this chart is based will be found in Table A.

The monthly means employed in the determination of the departures of the mean actual from the mean normal pressures of the month given in Table A are derived from all the available trustworthy pressure data for each station. These normal means are given in the "Indian Meteorological Memoirs," Volume XVII, pages 66 to 69.

The more important barometric changes and movements during the month are described in the statement of depressions and cyclonic storms of the month. The data that are chiefly used in that discussion are the 8 hrs. reduced observations and the departures derived from comparison of these observations with the normal daily 8 hrs. values.

On the mean of the whole country pressure was 0·025″ above normal; the excess was greatest in Burma and north-east India and gradually decreased westward until in the western districts of the country pressure became normal. In northern India the departures from normal of pressure at the hill stations were nearly the same as on the plains and the vertical gradients were thus approximately normal.

In the following tables the pressure data for the 14 divisions and the character of the vertical gradients at a number of stations are given :—

Division.	Departure from normal of mean 8 hrs. pressure.
	"
Burma	+·036
Eastern Bengal and Assam	+·036
Bengal	+·037
United Provinces	+·028
Punjab	+·012
North-West Frontier Province	—·009
Sind	+·004
Rajputana	+·007
Bombay	+·016
Central India	+·024
Central Provinces	+·024
Hyderabad	+·023
Mysore	+·015
Madras	+·028

Hill Station.	Departure from normal pressure. A.	Plain Station.	Departure from normal pressure. B.	Departure of pressure difference. B—A.
	"		"	"
Quetta	+·024	Jacobabad	—·008	—·032
Leh	+·022	Lahore	0	—·022
Murree	+·029	Peshawar	—·017	—·046
Simla	+·028	Ludhiana	+·021	—·007
Chakrata	+·031	Roorkee	+·036	+·005
Darjeeling	+·053	Dhubri	+·029	—·024
Mount Abu	+·005	Deesa	+·008	+·003
Pachmarhi	+·008	Khandwa	+·011	+·003

Temperature.

11. The mean temperature data are given in Table B and Table A under the heading "Temperature of Air." In Table B they are based upon observations of the dry bulb thermometers recorded at 8 hrs. and of the maximum and minimum thermometers. In the preparation of the normal means of maximum and minimum temperature the same periods have been employed as for the normals of pressure, regarding which information has been given in the pressure section, page 5 of this Review. Departures of the mean maximum and minimum temperatures from the corresponding normal means for the month are given in Table B. The monthly mean of the mean between maximum and minimum, as given in this table, differs from the true mean of the day by a small amount which varies from month to month.

It should be noted that for the purposes of Table B the mean temperature of the day really denotes the mean temperature of the 24 hours preceding 8 hrs. of the day in question, and that therefore the month for which the means are given in this table terminates at 8 hrs. of the last day of the month. In the case of Table A, however, the day or 24 hours period terminates at midnight (and not at 8 hrs. as in Table B, and the monthly means apply therefore to monthly periods ending at midnight of the last day of the month in question.

In Table A the mean of daily mean temperatures for each month is obtained by taking the mean of the maximum and minimum temperatures and applying a correction given on pages XV to XXI of Vol. XVII of the "Indian Meteorological Memoirs." This correction was determined from the hourly observation data given in Volumes V, IX and X of the "Indian Meteorological Memoirs." The data at once furnish the necessary corrections for the stations at which these observations were recorded. At the remaining stations the corrections were determined from the values at the nearest stations with similar conditions of exposure, etc., at which the hourly observations were recorded.

The departures from normal of the mean daily mean temperature of the month given in Table A have been obtained by a comparison of the actual mean with normal means calculated in the same manner. The normal means derived from all the available trustworthy temperature data for each station are given in the "Indian Meteorological Memoirs," Volume XVII, pages 16 to 20.

The methods of exposing thermometers will be found fully described in the hand-book of instructions to observers in India, or briefly in the Annual Report on the Meteorology of India for the year 1887, page 37. All thermometers in use have been verified by comparison with Kew standard thermometers at Calcutta, and all thermometer readings are corrected to their true values, and hence are strictly comparable.

The mean distribution of temperature in India in each month is exhibited by means of three charts, which show the departures of the mean maximum, mean minimum and mean daily temperature from their normal values for the month. These charts are Nos. 1 and 2 of Plate III and No. 1 of Plate IV. In these charts equal departures of temperature are indicated by lines, the lines being drawn for differences of 2 degrees of departure. A continuous line indicates that the temperature was in excess by the amount shown by the number given near the line, and a broken line that it was in defect by the amount indicated by the number similarly placed. The line of no departure, separating areas of excessive from areas of deficient temperature, consists of a continuous and of a broken line placed parallel and near to each other, the broken line being on the side of deficient temperature, and the continuous line on that of excessive temperature. The departures of the temperature of the month from the normal at the hill stations are given in figures with a positive or

negative sign to indicate excess or defect; they are not taken into account when the lines are drawn.

Tables of normal mean maximum, mean minimum and mean of daily mean temperatures for each month and for the whole year are given in pages 1 to 10 and pages 16 to 20 of the "Indian Meteorological Memoirs," Volume XVII, and are based on the data for the twenty-two years, 1878 to 1899.

In the province of Bengal and the east of the United Provinces both maximum and minimum temperatures were in defect, the greatest deficiency being 5° 8° in the maximum at Cuttack; on the north Madras coasts the former was also in defect but over the rest of the Indian plains it was normal. The minimum was more irregular in its variations and the only other area in which it was below normal was the Central Provinces, while it was in excess in the south-west Punjab, the North-West Frontier Province and the Madras Deccan. In the hills of upper India and in Baluchistan, areas that were not affected as much as usual with cold weather storms, weather was much warmer than usual: this also probably indicates that on the higher ranges of Afghanistan and Kashmir the snowfall was generally light.

A well marked cold wave followed in the rear of the depression which entered India on the 9th and maximum temperature was 20° below normal in Sind and to a lesser extent over the whole of northern India; the minimum was only slightly affected and it did not fall much below normal; a noteworthy feature at this time was the persistence of the effects of the cold wave in the United Provinces, Bihar and Chota Nagpur, where maximum temperature did not become normal until the 24th.

Division.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Burma	—1·0	+1·7	+0·4
Eastern Bengal and Assam	—1·4	—0·6	—1·0
Bengal	—3·2	—2·4	—2·8
United Provinces	—2·1	—1·2	—1·7
Punjab	0	+2·1	+1·1
North-West Frontier Province	—0·9	+2·8	+1·0
Sind	—0·5	+1·5	+0·5
Rajputana	—0·2	+0·2	—0·1
Bombay	—0·4	+0·4	0
Central India	—1·2	—1·3	—1·2
Central Provinces	—0·5	—2·7	—1·6
Hyderabad	—0·5	+0·7	+0·1
Mysore	+0·9	+1·9	+1·4
Madras	—0·2	+0·9	+0·3

Sub-division.	Actual temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	84·6	74·4	79·5	10·2	17·4	—0·7	—1·1	+0·4
2. Lower Burma	85·6	65·4	75·5	20·3	28·9	—0·8	+1·6	—2·4
3. Upper do.	80·7	54·1	67·4	26·6	38·3	—1·2	+1·9	—3·1
4. Assam	73·3	50·4	61·9	22·8	32·9	—0·8	—0·8	0
5. Eastern Bengal	74·0	51·5	62·8	22·5	36·4	—1·7	—0·5	—1·2
6. Bengal	75·5	51·8	63·7	23·7	37·6	—2·0	—2·3	+0·3
7. Orissa	77·9	55·1	66·5	22·8	35·7	—4·1	—2·8	—1·3
8. Chota Nagpur	74·1	48·3	61·2	25·8	43·1	—2·7	—2·2	—0·5
9. Bihar	70·4	47·2	58·8	23·2	40·5	—4·4	—2·4	—2·0
10. United Provinces, East	71·0	45·5	58·2	25·5	42·4	—2·7	—2·2	—0·5
11. Do., West	69·7	46·3	57·8	23·4	40·8	—1·5	—0·4	—1·1
12. Punjab, East and North	67·6	44·4	56·0	23·3	39·0	—0·3	+1·8	—2·1
13. Do., South-west	69·4	44·9	57·1	24·5	39·9	+0·6	+2·6	—2·0
14. Kashmir	39·7	20·5	30·1	19·2	40·6	+6·4	+4·4	+2·0

Sub-division.	Actual temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
15. N.-W. Frontier Province	65·4	42·8	54·1	22·7	36·5	—0·9	+2·8	—3·7
16. Baluchistan	57·4	37·8	47·6	19·6	40·4	+4·0	+3·0	+1·0
17. Sind	75·3	51·2	63·2	24·1	42·0	—0·5	+1·5	—2·0
18. Rajputana, West	75·7	48·3	62·0	27·4	46·1	0	—0·3	+0·3
19. Do., East	74·9	47·8	61·4	27·2	42·4	—0·4	+0·4	—0·8
20. Gujarat	82·5	55·8	69·1	26·7	41·3	+0·2	+0·9	—0·7
21. Central India, West	78·0	48·0	63·0	30·1	43·7	—0·5	—1·3	+0·8
22. Do., East	73·3	46·0	59·7	27·3	43·4	—1·8	—1·3	—0·5
23. Berar	83·6	55·1	69·3	28·5	40·6	+0·1	—1·5	+1·6
24. Central Provinces, West	79·7	48·8	64·3	30·9	47·6	—0·5	—3·0	+2·5
25. Do., East	79·5	49·1	64·3	30·4	46·6	—1·5	—3·3	+1·8
26. Konkan	84·7	67·4	76·1	17·3	26·9	—1·3	+0·2	—1·5
27. Bombay Deccan	85·1	54·7	69·9	30·4	43·7	0	0	0
28. Hyderabad, North	83·7	56·7	70·2	27·0	40·5	...	...	...
29. Do., South	84·6	60·6	72·6	24·0	37·2	—0·5	+0·7	—1·2
30. Mysore	83·3	59·7	71·6	23·7	33·8	+0·9	+1·9	—1·0
31. Malabar	87·0	71·7	79·4	15·3	22·7	—0·1	+1·3	—1·4
32. Madras, South-east	86·0	68·8	77·3	17·2	28·2	+0·4	+1·1	—0·7
33. Madras, Deccan	88·7	63·2	75·9	25·5	37·8	+0·4	+2·0	—1·6
34. Do., Coast, North	79·9	64·1	72·0	15·8	26·0	—2·4	—0·8	—1·6

Winds.

12. The 8 hrs. wind data, consisting of observations of the direction of the wind and of the air movement as registered by Robinson anemometers, are given in Table B under the headings "Wind directions," "Wind velocity" and "Wind steadiness." In these columns are shown the number of days the wind at 8 hrs. blew from each of eight points, the resultant direction of the wind, the mean hourly air movement and the steadiness. The wind resultant 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. The mean wind directions are shown in Plate I by means of arrows in the usual manner.

The wind data for 10 hrs. and 16 hrs. are given in a similar form in Table A. Under the heading "Wind direction" are shown the number of times that each of eight wind directions was observed at the hours of record, and the direction of the resultant of winds of unit strength in these directions. The ratio of the magnitude of the resultant so obtained to that which it would have if the wind always blew in the same direction (*i.e.*, to the total number of observations) is called the wind steadiness, and is given as a percentage, with a table of normals, under the heading "Wind steadiness." The mean diurnal movement of the air at each station and average monthly value are to be found under the heading "Wind velocity."

The mean wind directions of the month for stations recording at 10 hrs. and 16 hrs. are indicated in the small chart No. 2 of Plate IV by means of arrows flying with the wind. The lengths of the arrows are so proportioned as to indicate the comparative wind prevalence in the mean direction on a scale such that five-eighths of an inch would represent a wind blowing continuously throughout the month from the mean direction.

The figures of normal values for wind used in Tables A and B are computed from all available data previous to 1899, or in some cases 1902, and have been published in Volume XVII of the Indian Meteorological Memoirs.

The strength of the wind was less than usual in Eastern Bengal and Assam, the United Provinces, the North-West Frontier Province, Sind and Central India and winds were above the normal strength only in the Punjab. As regards steadiness the direction was more constant than usual in Burma and Hyderabad, and more variable in Eastern Bengal and Assam and the United Provinces. At Sirsa, Bikaner and Ajmer the prevailing direction was a little east of south instead of north north-west but these were the only stations that showed any remarkable departure from normal directions.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	+0·2	+ 9
Eastern Bengal and Assam	—0·7	—13
Bengal	+0·1	0
United Provinces	—0·5	—17
Punjab	+0·5	+ 3
North-West Frontier Province	—0·6	— 2
Sind	—1·8	+ 4
Rajputana	—0·3	+ 4
Bombay	—0·4	— 6
Central India	—0·9	+ 8
Central Provinces	+0·2	+ 4
Hyderabad	—0·6	+20
Mysore	—0·1	—12
Madras	+1·0	— 3

Humidity and cloud.

13. The hygrometric data of the month registered at certain stations are given in Table A. In that table appear columns giving the means of the wet bulb readings at 10 hrs. and at 16 hrs., of the minimum wet bulb readings, of the vapour tension and humidity at the same hours, and also the mean of daily means of these elements and of its departure from normal mean. The hygrometric data are taken from the tables accompanying "*The Indian Meteorologists Vade Mecum*," which were computed by means of Regnault's modification of August's formula. The means of daily means are obtained by taking the means of the minimum, 10 hrs. and 16 hrs. observations, and reducing them to true means, by applying in case of vapour tension, the corrections given on pages XXXVIII to XLII, and in case of humidity the corrections given on pages XLIV to XLVIII of Volume XVII of the "Indian Meteorological Memoirs." These corrections were determined from the hourly observation data given in Volumes V, IX and X of the "Indian Meteorological Memoirs." The normal values, which have been used for obtaining the departures, are the means calculated in the same way.

The distribution of humidity in each month in India is exhibited by means of two charts in Plate V. The first chart shows the departure from normal of 8 hrs. absolute humidity, and the second that of the relative humidity.

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. The monthly means in Table A are the arithmetical means of the cloud amounts at 10 hrs. and 16 hrs. and the normal means, with which the actual monthly means are compared, are derived from the available cloud data for the same hours.

The departure from normal of the mean distribution of cloud amount at 8 hrs. in each month in India is shown in chart No. 1 of Plate VI, and the discussion of this and of the hygrometric features is based on the data given in Table B.

Normal values are deduced chiefly from ten or more years' records previous to 1899, but in some cases from observations extending from 1877 to 1902.

The hygrometric conditions of the air were fairly normal over the whole country, the only important exceptions being a slight excess in humidity in the North-West Frontier Province and Sind, and a slight defect in the Central Provinces and Hyderabad.

There was less cloud than usual in Rajputana and the normal amount in Burma, the Punjab, the North-West Frontier Province and Sind, but in all other parts of India the cloud proportion was above the average. In the United Provinces the skies cleared after the depression of the 9th to the 15th had passed eastward, but they almost immediately clouded over again in the extreme west of the province on the 14th and by the 16th skies were completely overcast over the whole province. They then began to clear from the west and by the 21st cloud had almost

disappeared but only to reappear again next day, but this time it was due to the advance of a fresh depression.

Division.	Hygrometry; 8 hrs.				Cloud.	
	Mean Humidity.	Departure from normal.	Mean vapour-tension in inches of mercury.	Departure from normal in inches of mercury	Mean cloud amount at 8 hrs	Departure from normal.
	%		"	"		
Burma	85	+ 1	·523	+·021	2·1	+0·1
Eastern Bengal and Assam.	90	+ 1	·397	—·016	3·5	+1·4
Bengal	81	+ 3	·354	—·031	3·0	+1·2
United Provinces . .	78	— 1	·284	—·023	3·5	+1·1
Punjab	74	— 1	·266	+·011	3·5	—0·3
North-West Frontier Province.	81	+10	·256	+·051	4·2	+0·2

Division.	Hygrometry; 8 hrs.				Cloud.	
	Mean Humidity.	Departure from normal.	Mean vapour-tension in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.
	%		"	"		
Sind	74	+12	·324	+·055	3·1	0
Rajputana . . .	65	+ 3	·258	+·010	2·2	—0·6
Bombay . . .	62	0	·388	—·004	1·4	+0·5
Central India . .	66	0	·270	—·020	2·3	+0·7
Central Provinces . .	53	— 8	·249	—·074	1·7	+0·4
Hyderabad . . .	56	— 7	·361	—·047	2·0	+1·2
Mysore	73	+ 3	·477	+·020	2·7	+0·3
Madras . . .	78	0	·630	+·008	3·3	+0·8

Rainfall.

14. Rainfall observations are made at about 2,700 stations in India. The time of observation is 8 hrs. The rainfall data for each province are tabulated in the office of the Meteorologist, Director of Land Records, or other office in the province, and published in the provincial gazettes.

The charts illustrating the distribution of rainfall in the month under discussion are based in part upon the rainfall data of the meteorological observatories throughout India, and in part upon the rainfall statements of the month published by the Local Governments.

Plate VII (based on all the rainfall data available at the time of publication) shows the normal average rainfall and the departure of the rainfall from the normal of the month of the 34 meteorological or rainfall divisions, over each of which the meteorological conditions (more especially the rainfall) are fairly uniform, and the staple crops similar in character.

The distribution of the total number of rainy days in each month is exhibited in chart No. 2 of Plate VI and is based entirely on the data furnished by the meteorological observatories. A "rainy day" is one on which 0·10 inch or more of rain is received within 24 hours.

The normal figures of rainfall, and of the number of "rainy days," in table B are based on observations which extend in most cases over a period of 30 or 40 years ending in 1900.

Weather was dry for the first week of January apart from isolated falls in south India but on the 8th a depression from the west began to give rain in Baluchistan and as it moved eastward across the country it carried rainfall over the whole of India north of the latitude of Nagpur as well as over the north Madras coast. The depression disappeared in the Bay on the 15th and although several other depressions affected the weather they did not give any precipitation except in Baluchistan, Kashmir, along the west Himalayas and in Eastern Bengal and in these areas it was very light. The month's rainfall was thus practically all received during the storm of the 9th to the 15th but it was so general and heavy that it caused an excess of rainfall for the month over almost all the areas affected. In south Hyderabad, on the north Madras coast and in Orissa from 4 to 7 times the normal quantity of rain fell. In other parts of the country the rainfall during January is always so light as to be insignificant.

The usual tables are appended.

Sub-division.	Number of Rainy Days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
			"	"	"	
1. Bay Islands	1·0	1·6	0·41	0·61	—0·20	— 33
2. Lower Burma	0·1	0·1	0·03	0·05	—0·02	— 40
3. Upper do.	0·5	0·3	0·17	0·10	+0·07	+ 70

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
			"	"	"	
4. Assam	1·9	1·9	0·70	0·75	—0·05	— 7
5. Eastern Bengal	1·8	0·9	0·68	0 46	+0·22	+ 48
6. Bengal	1·8	0·9	0·92	0·42	+0·50	+119
7. Orissa	2·6	0·5	1·44	0·26	+1·18	+454
8. Chota Nagpur	1·1	1·1	0 65	0·51	+0·14	+ 27
9. Bihar	1·2	1·4	0·60	0·70	—0·10	— 14
10. United Provinces, East	1·5	1·6	0·75	0·75	0	0
11. Do. do., West	1·7	2·0	1·02	0·96	+0·06	+ 6
12. Punjab, East and North	1·9	2·4	1·62	1·31	+0·31	+ 24
13. Do., South-west	2·0	1·3	0 90	0·54	+0·36	+ 67
14. Kashmir	5·3	5·1	2·36	3·49	—1·13	— 32
15. North-West Frontier Province	5·3	2·5	3·20	1·38	+1·82	+132
16. Baluchistan	3·1	2·9	1·23	1·27	—0·04	— 3
17. Sind	1·1	0·8	0·77	0·28	+0·49	+175
18. Rajputana, West	1·0	0·5	0·38	0 16	+0·22	+138
19. Do., East	1·1	1·0	0·69	0·39	+0·30	+ 77
20. Gujarat	0·7	0 1	0·17	0 04	+0·13	+325
21. Central India, West	1·0	0·6	0·57	0·25	+0·32	+128
22. Do., East	1·3	1·8	0·78	0·86	—0·08	— 9
23. Berar	0	0·5	0·02	0·29	—0·27	— 93
24. Central Provinces, West	0·8	1·0	0·47	0·55	—0·08	— 15
25. Do, East	0·8	0·8	0·36	0·40	—0·04	— 10
26. Konkan	0·1	0·2	0·03	0·13	—0·10	— 77
27. Bombay Deccan	0	0·2	0·01	0·10	—0·09	— 90
28. Hyderabad, North	0·1	0·2	0·06	0·08	—0·02	— 25
29. Do. South	0·7	0·2	0·57	0·08	+0·49	+613
30. Mysore	0·7	0·1	0·54	0·07	+0·47	+671
31. Malabar	0·1	0·2	0·04	0·22	—0·18	— 82
32. Madras, South-east	1·0	1·0	0·57	0·71	—0·14	— 20
33. Madras Deccan	0·3	0	0·21	0·12	+0·09	+ 75
34. Madras Coast, North	2·4	0·2	1·97	0·24	+1·73	+721

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	0·11	0·08	+0·03	+ 38
Eastern Bengal and Assam	0·69	0·61	+0·08	+ 13
Bengal	0·86	0·50	+0·36	+ 72
United Provinces	0·87	0·85	+0·02	+ 2
Punjab	1·47	1·15	+0·32	+ 28
North-West Frontier Province	3·20	1·38	+1·82	+132
Sind	0·77	0·28	+0·49	+175
Rajputana	0·60	0·33	+0·27	+ 82

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Bombay	0·06	0·09	—0·03	— 33
Central India	0·64	0·46	+0·18	+ 39
Central Provinces	0·26	0·41	—0·15	— 37
Hyderabad	0·34	0·08	+0·26	+325
Mysore	0·54	0·07	+0·47	+671
Madras	0·90	0·45	+0·45	+100
Mean of India when the size of the above areas is taken into account	0·63	0·41	+0·19	+ 43

Snowfall.

I.—AFGHANISTAN.

15. *Kabul.*—Snow fell on several occasions, the total fall amounting to about 42 inches:—

Name of Pass or Peak.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Lataband	1 foot	...
Balakoh	1 "	½ foot
Paghman	2 feet	4½ feet
Kohdaman	1⅔ "	2 "

II.—NORTH-WEST FRONTIER PROVINCE.

(*a*) *Wano.*—Feeble snowstorms occurred on the 2nd, 8th to 10th, 21st and 22nd. At the end of the month there was not more than 2 inches of snow on the highest points and in the sheltered ravines.

(*b*) *Tochi* (North Waziristan).—A very heavy general fall occurred from the 9th to the 11th down to 4,000 feet: below that level there was rain.

(*c*) *Dera Ismail Khan.*—Snow fell from the 8th to the 11th, and again from the 17th to 19th, on the hills bordering the district. The total fall is said to have been seven feet in depth on the peaks.

(*d*) *Kurram.*—Frequent falls occurred on the Sufed Koh, and on five occasions descended to the level of Parachinar. At the end of the month all the passes were open.

(*e*) *Kohat.*—Snow fell on four days on the hills bordering the district. At the end of the month the accumulations there varied from 1 to 3½ feet.

(*f*) *Chitral.*—There were in all six falls, and of these two extended as low as the level of the station where their total amount was estimated at six inches.

(*g*) *Hazara.*—There were thirteen falls of snow on the Kagan Range, and nine on the Thandiani Range. The following statement shows the total amount of snowfall on four ranges in the district:—

Name of Range.	Snowfall during month.
Kagan Range	8½ feet
Pludran "	14⅔ "
Narang "	22⅝ "
Thandiani "	26 "

III.—KASHMIR.

Leh.—Snow fell in Leh and the surrounding hills on four days (11th, 24th, 29th and 30th).

IV.—PUNJAB.

(*a*) *Murree.*—There were snowstorms on the 9th, 11th, 29th to 31st: the total fall measured 15 inches in depth. The falls did not extend to the hills adjacent to Kahuta.

(*b*) *Chamba.*—Snow fell at most of the recording stations on the 11th, 30th and 31st and locally on the Bhandal Range on the 22nd and 23rd and on the Tisa Range on the 24th, 25th and 27th. The storm of the 31st was very severe and gave snow down to 3,500 feet.

The statement below shows the total amount of snow received during the month at the recording stations, and the depth of accumulation at the end of the month :—

Recording Station.	Total amount of snowfall.		Reported depth of accumulation at the end of the month.	
	Ft.	Ins.	Ft.	Ins.
Kalatop	7	1	5	10
Kainthli	5	0	4	2
Surkhigalli	3	2	...	
Barmaur	3	11	3	4
Ulansa	2	4	2	0
Chitrari	0	11	0	11
Darkund	1	10	1	6
Bakani	1	2	1	2
Sao	0	6	0	6
Langera	5	0	2	4
Bhent	3	0	1	8
Bhandal	1	7	1	3
Deur	0	9	...	
Khangu	4	0	2	0
Alwas	4	11	2	3
Devi Kothi	7	3	3	0
Bara	3	7	2	2
Tisa	1	0	0	8
Chhatri	4	11	3	0
Masrund	0	4	0	6
Padri Pass	...		3	0
Sach ,,	...		20	0

(*c*) *Dalhousie.*—Snow fell to a depth of 15 inches on the 11th and 5 inches on the 31st. The fall was believed to be greater at Kalatop, Dainkund, Bakrota and Khajiar.

(*d*) *Kulu.*—There were a few falls above 8,000 feet while it rained below that level. Weather was unusually warm.

The statement below gives the reported depth of accumulation on the various passes at the end of January 1908 with the corresponding average data :—

Kulu Tahsil.			Saraj Tahsil.		
Name of Pass.	Reported.	Normal.	Name of Pass.	Reported.	Normal.
Rohtang	9 feet	14½ feet	Srikhand	4 feet	12 feet
Hamta	12 ,,	14 ,,	Chul	½ foot	6½ ,,
Barsai	3 ,,	7 ,,	Maghin	½ ,,	6 ,,
Chandar Khani	2 ,,	8 ,,	Tikkar	½ ,,	5½ ,,
Boja Dhar	4 ,,	6½ ,,	Dundku	½ ,,	7 ,,
Lohri Achhri	2½ ,,	8½ ,,	Nuhnon	½ ,,	3½ ,,
Bhubu	1½ ,,	6 ,,	Jalori	½ ,,	6 ,,
Bastari	½ foot	5 ,,	Raghopur	½ ,,	6 ,,
Sari	2 feet	8½ ,,	Bashleo	½ ,,	6 ,,
			Placha	½ ,,	7 ,,

(*e*) *Kailang.*—There were six falls in all but none of these exceeded 7 inches in depth.

(*f*) *Kilba.*—Snowstorms occurred on five days on the hills near Kilba. The snowline descended to 5,750 feet on the 30th and 31st :—

Name of Pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Rupin Pass	6 feet	11 feet
Brua ,,	6 ,,	11½ ,,
Harang ,,	5 ,,	6 ,,
Shatul ,,	6 ,,	11 ,,
Buldar ,,	6 ,,	12½ ,,
Runang ,,	6 ,,	9½ ,,

All the passes were closed to travellers.

V.—United Provinces.

(*a*) *Almora.*—There were occasional falls, chiefly during the last week. The snowline came down to 4,000 feet during the snowstorm of the 11th and 12th. The aggregate amount measured 24 feet in depth on the Nuwe pass, 20½ feet on the Lipu Lekh and Lampia passes, 15 feet on the Binkaru pass, 6 feet in Malla Danpur and 3 feet in Malla Johar :—

Name of Pass or Peak.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Unta Dhura	8 feet	18½ feet
Ralam ,,	3½ ,,	12 ,,
Pindari Peak	6½ ,,	9 ,,

Name of Pass or Peak.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Kaphini Peak	6¼ feet	8 feet
Kantela „	6¼ „	8 „
Nuwe Pass	31 „	31 „
Binkaru „	22 „	27½ „
Lipu Lekh „	25 „	17½(?) „
Lampia „	27 „	7½(?) „

(*b*) *Garhwal.*—Snowstorms occurred on five days : the fall was heavy on the 11th and 31st, and descended to about 5,000 feet.

16.—SUMMARY.

(1) Weather was apparently more disturbed than usual in Afghanistan and parts of the North-West Frontier Province.

(2) The snowfall of the month was less than usual in Kashmir.

(3) In the hill districts of the Punjab and of the United Provinces the snowfall was on the whole below average and the accumulations at the end of the month were in general not so deep as usual.

Crop report.

17. *Burma.*—Reaping of the winter rice crop was nearly completed. Miscellaneous spring crops in the upper province promised well.

Eastern Bengal and Assam.—Harvesting of winter rice was practically finished. The prospects of standing crops were fair to good.

Bengal.—Rain had greatly improved the prospects of the spring crops. Lands were being ploughed for the autumn crops.

United Provinces.—Conditions were generally improved by rain and prospects of the spring crops were good. Wheat and barley were coming into ear.

Punjab.—Rain had benefitted the standing crops which on irrigated land was good to average and on unirrigated average to below average. Sowing of spring crops and pressing of sugarcane were in progress.

North-West Frontier Province.—Unirrigated crops had been benefitted by rain and the condition of standing crops was generally good to fair, but in Peshawar the outturn of the sugarcane crop was likely to be very poor.

Jammu and Kashmir.—The condition of standing crops in Jammu was fair but fodder was insufficient in several tahsils.

Rajputana.—Standing crops were in good condition and extra sowings were being made in Dholpur. Fodder was sufficient.

Central India.—Prospects of spring crops were fair to good and fodder was sufficient except in Bhopal.

Central Provinces.—Threshing and winnowing of autumn crops and picking of cotton were completed and spring linseed and pulses were being harvested. Spring crops except linseed were generally in good condition.

Bombay.—Crops were in good condition except in parts of the presidency where they were withering for want of moisture. Threshing of autumn crops and cotton picking were in progress. Agricultural stock was generally in good condition.

Hyderabad.—Harvesting and the preparation of lands for next season were in progress. Standing spring crops were generally in fair condition.

Mysore.—Prospects of the season were good and cattle were generally healthy but rain was wanted in parts of Chitaldroog.

Coorg.—Harvest prospects were good and water and fodder for cattle were sufficient.

Madras.—Irrigation supplies were insufficient in parts. Harvesting was in progress with outturn poor to normal and bumper. Standing crops were generally fair but in some places needed more rain.

J. PATTERSON.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 35 stations in India, etc., in January, 1908.

Table

Abstract of observations taken at 10 hrs. and 16 hrs.

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S.L. and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	I.—Burma.																					
2	Rangoon	36	30·048	29·911	·137	29·979	+·031	29·951	87·9	66·4	21·5	91·0	60·3	30·7	78·3	86·3	75·2	+0·5	64·0	69·1	70·1	67·7
	III.—Bengal.																					
6	Calcutta	21	·125	·991	·134	30·048	+·030	30·015	76·4	53·5	22·9	83·4	47·4	36·0	66·8	75·2	64·0	−1·2	52·4	59·5	62·2	58·0
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad	309	29·827	·699	·128	29·750	+·024	·028	72·2	46·0	26·2	81·9	38·8	43·1	60·5	70·9	57·4	−2·1	44·1	52·4	56·6	51·2
11	Dehra Dun	2,233	27·813	27·722	·091	27·757	+·017	·037	67·6	45·0	22·6	75·3	37·3	38·0	57·5	63·2	55·4	+0·8	41·7	49·8	52·4	48·0
	V.—Punjab.																					
12	Lahore	702	29·380	29·289	·091	29·325	−·001	·034	68·8	45·5	23·3	76·5	36·9	39·6	57·1	66·9	55·2	+2·2	43·7	51·7	56·6	50·7
	VIII.—Rajputana.																					
19	Jaipur	1,431	28·662	28·556	·106	28·600	+·016	·036	74·2	48·1	26·1	81·2	40·0	41·2	64·3	72·4	59·7	−0·2	43·9	52·8	56·5	51·1
	Udaipur	1,925?	·156	·041	·115	·090		·011	76·7	47·5	29·2	85·7	41·4	42·3	66·6	74·9	61·9		43·9	54·3	58·2	52·1
	IX.—Bombay.																					
26	Bomtay	37	30·038	29·922	·116	29·973	+·018	29·951	83·4	68·7	14·7	87·4	62·3	25·1	74·9	79·5	75·3	+0·8	63·5	67·1	70·7	67·1
	XI.—Central Provinces.																					
24	Nagpur	1,017	29·080	28·936	·144	·000	+·033	·997	83·1	51·1	32·0	89·4	44·1	45·3	70·4	81·4	66·3	−2·5	46·5	56·5	59·9	54·3
	XII.—Hyderabad.																					
29	Hyderabad	1,690	28·380	·250	·130	28·309	+·018	·961	83·9	58·9	25·0	90·6	53·7	36·9	74·6	80·9	70·5	+0·1	54·5	62·1	62·1	59·6
	XIII.—Mysore.																					
30	Bangalore	3,021	27·058	26·944	·114	26·999	+·013	·925	81·5	59·0	22·5	88·1	53·9	34·2	72·3	79·2	69·3	+1·8	57·1	63·8	64·4	61·8
	Mysore	2,518	·551	27·413	·138	27·480	+·009	·914	84·7	61·0	23·7	89·1	55·5	33·6	75·3	83·6	71·9	+1·2	58·2	64·0	64·2	62·1
	XIV—Madras.																					
22	Periyakulam	944	28·951	28·830	·121	28·888		·772	86·8	66·3	20·5	90·4	58·4	32·0	77·8	84·8	76·7		63·1	68·3	69·8	67·0
	Pudukkottai	318	29·760	29·617	·143	29·689		·941	87·5	69·0	18·5	91·9	63·3	28·6	79·7	85·0	78·3		66·6	70·4	71·0	69·3
	Madras	22	30·079	·961	·118	30·017	+·021	·969	84·4	68·3	16·1	87·9	60·8	27·1	80·1	81·2	75·6	+0·3	68·0	73·7	73·4	71·8
	Station in the Bay.																					
1	Port Blair	61	29·999	·881	·115	29·943	+·045	·935	85·6	74·6	11·0	88·0	67·8	20·2	81·6	83·6	79·3	−0·9	70·8	74·3	74·5	73·2
	Kashmir.																					
14	Srinagar	5,204	25·032	24·940	·092	24·977	−·014	24·948	47·6	30·3	17·3	54·8	19·6	35·2	36·9	45·8	37·0	+6·3	28·4	34·6	42·4	35·1
	Leh	11,503	19·701	19·618	·083	19·654	+·033	19·622	35·7	14·8	20·9	45·6	3·9	41·7	26·0	32·2	23·3	+6·0	12·6	21·5	25·0	19·7
	Baluchistan.																					
16	Quetta	5,502	24·733	24·656	·077	24·685	+·022	24·645	54·1	31·8	22·3	65·5	21·7	43·8	45·3	50·8	42·3	+2·7	30·5	38·5	41·4	36·8

NOTE—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

A.

at 35 stations in India, etc., in January, 1908.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of subdivision.
														Total number of 10 hrs. and 16 hrs. winds from																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%					I.—Burma.	
·571	·591	·523	·579	+·011	87	61	42	70	0	2·2	2·9	2·6	+0·6	2	20	13	5	2	14		3	3	N 34° E	N 27° E	31	36	41*	91	0	0	Rangoon . .	2
																															III.—Bengal.	
·386	·419	·393	·416	—·015	92	64	45	69	— 1	1·9	2·1	2·0	+0·5	1	11	6	4	3		12	4	21	N 11° W	N 30° W	42	44	84	62	0·86	0·43	Calcutta . .	6
																															IV.—United Provinces of Agra and Oudh.	
·278	·294	·273	·290	— ·044	88	48	40	67	— 1	2·4	2·0	2·2	—0·2	4	5	6	13	4		3	13	14	N 19° W	N 42° W	24	26	63*	91	0·48	0·33	Allahabad. .	10
·227	·267	·268	·257	—·013	75	57	48	62	— 5	3·6	5·0	4·3	0	20	3	11	7	9	8		2	2	S 83° E	S 66° W	29	20	25	38	1·17	0·66	Dehra Dun .	11
																															V.—Punjab.	
·267	·316	·326	·307	+ ·038	86	68	51	71	+ 1	3·0	4·6	3·8	+0·1	12	5		6	9	3		22	5	S 86° W	N 30° W	21	21	54*	41	1·73	1·48	Lahore . .	12
																															VIII.—Rajputana.	
·241	·265	·264	·263	—·005	72	46	35	54	— 2	2·1	2·9	2·5	—0·8	5	9	5	5	8	4	9	8	9	N 68° W	N	11	18	69	79	0·94	0·77	Jaipur . .	19
·248	·270	·284	·261		75	42	33	50		1·3	1·6	1·5		22	1	4	11	9	3	6	6		S 46° E		23		72*		0·23	0·15	Udaipur.	
																															IX.—Bombay.	
·518	·565	·640	·592	+ ·001	74	65	63	71	— 1	1·2	1·5	1·4	+0·3		1	11	16	2	1	1	10	20	N 1° E	N 6° E	32	58	202	238	0·09	0·06	Bombay . .	26
																															XI.—Central Provinces.	
·265	·289	·257	·275	—·088	69	39	24	46	— 8	1·2	1·3	1·3	—0·7		21	10	14	6	5	1	5		N 48° E	N 72° E	43	30	63*	84	0·32	0·32	Nagpur . .	24
																															XII.—Hyderabad.	
·376	·405	·328	·368	—·055	74	48	32	52	— 5	2·6	2·9	2·8	+1·2	38		6	3	13		2			S 68° E	S 54° E	26	55	45*	86	0·02	0·02	Hyderabad .	29
																															XIII.—Mysore.	
·448	·500	·436	·465	+ ·057	89	63	44	67	+ 5	1·7	2·5	2·1			2	8	35	10	3	1	2	1	S 87° E	N 88° E	71	78	176*	127	4·01	2·59	Bangalore . .	30
·157	·461	·364	·431	+ ·008	84	52	31	58	0	3·4	3·4	3·4	+0·4		3	9	27	14	2	2	3	2	S 86° E	N 83° E	61	81	176*	211	0·83	0·83	Mysore.	
																															XIV.—Madras.	
·546	·569	·522	·544		83	60	44	63		5·6	6·3	6·0		2		4	16	20	7	13			S 41° E		58		44*		5·72	2·50	Periyakulam .	32
·630	·623	·579	·611		88	61	49	66		5·7	5·4	5·6			9	39	6	5			1	2	N 45° E		79		225*		0·12	0·07	Pudukkottai.	
·688	·748	·723	·736	+ ·051	98	73	68	82	+ 3	4·0	2·0	3·0	—1·1		3	26	23	10					N 74° E	N 51° E	82	76	108	137	0·02	0·02	Madras.	
																															Station in the Bay.	
·705	·756	·737	·751	—·056	82	70	63	75	— 4	4·3	4·2	4·3	+0·7	1	7	36	13					5	N 44° E	N 39° E	81	76	183*	156	0·82	0·56	Port Blair .	1
																															Kashmir.	
·138	·177	·237	·184	+·026	79	79	76	78†	— 6	7·0	7·4	7·2	0	17	10	1	2	4	3	2	1	22	N 32° W	S 21° E	37	4	75*	74	1·88	0·51	Srinagar . .	14
·062	·084	·081	·076	+ ·012	68	58	44	58	— 4	6·5	7·4	7·0	+0·2		1	4	2	6	34	12	2	1	S 3° W	S 13° W	68	32	57	24	0·10	0·03	Leh.	
																															Baluchistan.	
·161	·168	·169	·174	+ ·010	89	57	48	69	— 1	3·9	4·3	4·1	0	27	3		1	4	7	4	5	11	S 81° W	N 84° W	19	24	69*	70	1·57	0·58	Quetta . .	16

* Corrected.

† Mean of three previous columns.

Table

Abstract of observations taken at 10 hrs. and 16 hrs., at 35 stations

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean reduced to sea-level and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Hill Stations excluding Kashmir and Baluchistan.																					
	Simla	7,224	23·172	23·114	·058	23·133	+·028	23·095	49·0	38·6	10·4	55·4	29·2	26·2	45·5	45·4	43·1	+4·3	31·5	35·2	36·8	34·5
	Sarain		·221	·151	·070	·174			49·6	30·7	18·9	57·6	22·6	35·0	42·3	42·4	39·5			34·6	34·8	
	Kalabagh							Observation not received.														
	Chakrata	7,022	·354	·303	·051	·316	+·027	·275	55·8	38·2*	17·6	65·3	29·7	35·6	45·0	46·8	46·2*	+3·5	31·5	36·7	39·2	35·8
	Muktesar	7,556	22·934	22·880	·074	22·887		22·845	51·6	37·5‡	14·1	59·5	27·2	32·3	45·4	48·2	43·5‡	†	31·2	36·4	38·7	35·4
	Katmandu	4,388	25·804	25·682	·122	25·737	†+·050	25·690	63·2	35·6	27·6	67·3	30·8	36·5	48·0	60·0	48·7	−0·9	34·1	44·2	49·9	42·7
	Darjeeling	7,376	23·069*	23·023*	·046	23·040	+·029	22·995*	48·3*	35·4	12·9	53·4	31·8	21·6	44·2*	45·9*	41·2*	+1·1	32·9	40·6*	42·8*	38·8
	Pachmarhi	3,528	26·589‖	26·497	·092	26·535	+·008	26·482‖	71·8	43·7	28·1	79·6	37·1	42·5	63·7‖	69·5	57·1	−1·6	39·9	50·2‖	53·0*	47·7
	Mount Abu	3,945	·171	·090	·081	·123	+·008	·073	65·3	51·0	14·3	75·0	41·4	33·6	61·7	62·5	57·4	−0·8	43·2	48·8	49·7	47·3
	Chikalda	3,642	·475	·376	·099	·418	−·019	·362	74·3	53·9	20·4	82·3	47·3	35·0	66·2	70·7	63·4	−0·6	46·0	53·2	55·5	51·6
	Ootacamund	*7,322*	23·139	23·062	·077	23·095		23·031	64·7	41·3	23·4	70·5	34·5	36·0	60·8	59·5	52·3		38·7	50·5	52·7	47·3
	Kodaikanal	7,688	22·903	22·829	·074	22·866		22·801	63·9	47·8	16·1	70·2	42·4	27·8	58·8	58·6	55·8		42·1	50·4	53·1	48·6
	Dodabetta	8,539	·106	·046	·060	·076		·013	58·3	46·3	12·0	62·3	41·7	20·6	55·3	54·7	52·3		41·9§	48·0	49·4	46·1
	Extra India.																					
	Minicoy	7	30·043	29·939	·104	29·991																
	Zanzibar	72	29·932	·807	·125	·873	+·019	29·871	87·4	80·5	6·9	89·8	79·6	10·2	83·6	87·1	83·0	+1·1	74·9	77·5	77·2	76·5
	Diego Garcia									Register not received.												
	Seychelles	15	·984	·893	·091	·950	†+·025	·888	84·3	78·5	5·8	86·3	75·6	10·7	82·3	83·2	80·2	†+1·7	73·2	76·5	76·6	75·4
	Mauritius	181				·719	−·042	·845				88·1	68·1	20·0			78·6	−0·3				75·0

N. B.—Elevations in italics indicate barometrical determinations. * Mean of 30 days. ‡ Mean of 27 days. § Mean of 26 days.

Note.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet. ‖ Mean of 29 days.

A —*concluded.*

in India, etc., in January, 1908—concluded.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of subdivision.
														Total number of 10 hrs. and 16 hrs. winds from																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles, per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															Hill Stations excluding Kashmir and Baluchistan.	
110	·101	·131	·122	—·029	50	35	46	48	—13	5·3	7·0	6·2	+0·6	2	23	3	1	1	24	6		2	S 36° W	S 18° E	5	20	163*	120	0·98	0·40	Simla.	
	·125	·128				51	50			4·0	4·6	4·3		16	4	3		1	15	22	1		S 28° W		47		83*		2·85d	0·90	Sarain.	
														Observation not received.																	Kalabagh.	
·115*	·136	·164	·146	—·016	53*	48	53	55	—11	3·2	4·5	3·9	—0·7	22	11	1		8	15	2		3	S 18° E	S 51° W	14	6	172*	137	1·94	0·74	Chakrata.	
·118†	·124	·142	·136		54†	44	45	50		3·9	5·2	4·6		23		1	3	4	3		27	1	S 78° W		35		195*		3·06	1·65	Muktesar.	
·182	·251	·245	·237	—·016	86	75	48	74	— 3	1·9	2·7	2·3	—1·1		1	3	18	2	2	1	33	2	S 88° W	N 78° W	23	46	16	21	0·50	0·45	Katmandu.	
·164	·220*	·247*	·218	+ ·008	79	75*	79*	82	— 3	4·5*	5·7*	5·1	—0·6	18		5	4	3		7	8	15	N 62° W	N 81° W	25	20	67* b	89	0·83	0·57	Darjeeling.	
·209	·212‖	·218*	·220	—·073	71	38‖	31*	55	— 8	0·5	0·4	0·5	—1·9	9	7	7	4	6		4	6	14	N 20° W	N 75° W	26	10	85* c	84	0	0	Pachmarhi. (a)	
·195	·202	·214	·211	+ ·004	54	40	39	52	+ 3	1·7	2·0	1·9	—0·5	1	3	7	2	12	7	13	10	7	S 36° W	N 61° W	24	12	133*	125	0·55	0·54	Mount Abu.	
·224	·259	·269	·258	—·056	54	41	36	52	— 6	2·1	2·7	2·4	+0·4	1	8	6		3	5	24	1	14	S 85° W	S 44° W	35	21	166*	132	0·04	0·04	Chikalda.	
·213	·263	·320	·272		79	50	65	66		2·2	3·7	3·0		2	7	13	10	12	12	2	2	2	S 79° E		37		101*		0·58	0·41	Ootacamund.	
·220	·289	·353	·288		65	60	73	66		3·4	5·5	4·5		7	3	8	9	17	12		1	5	S 62° E		40		287		1·12	0·23	Kodaikanal.	
·227§	·274	·336	·259		71§	66	71	67		3·5	4·7	4·1		1	15	13	5	15	3	4	1	5	N 57° E		33		351*		0·16	0·06	Dodabetta.	
																															Extra India.	
										2·8	3·7	3·3			19	30	13						N 40° E		85		123*		0·71	0·54	Minicoy.	
·796	·864	·805	·832	—·030	76	75	62	72	— 5	6·0	3·6	4·8	+0·1		27	18	13	1				3	N 31° E	N 33° E	77	70	181*	187	0·04	0·03	Zanzibar.	
													Register not received																		Diego Garcia.	
·753	·844	·837	·829	—·004	77	76	73	78	— 6	6·7	6·6	6·7	—0·3†	15	7	3	3	3			4	27	N 30° W	N 39° W	50	61	138	147	3·43	0 98	Seychelles.	
			·789	+ ·062				82	+ 7			7·1	+0·7										S 77° E	S 86° E			227	266	10·70	2 67	Mauritius.	

* Corrected. b Mean of 29½ days. † Departures from old normals. c Mean of 30½ days. d Snow water.

(a) Wind observations 3 less.

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Table B.—Abstract of observations taken at 8 hrs., at 238 stations in India, etc., in January, 1908.

(1) Provincial means.

(2) Data of stations.

(1) Provincial means based on the material in Table B (2) except that the statement of rainfall depends on the complete data of about 2,700 stations.

	Pressure departure from normal.	Temperature of air.								Wind.		Hygrometry.				Cloud.		Rainfall.		
		Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Absolute range during month.	Departure of velocity from normal.	Departure of steadiness from normal.	Mean humidity.	Departure from normal.	Mean vapour tension.	Departure from normal.	Mean cloud amount.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.
Burma	+·037	83·1	—1·0	59·7	+1·7	71·5	+0·4	23·4	33·6	+0·2	+ 9	85	+ 1	·523	+·021	2·1	+0·1	0·11	0·08	+0·03
Eastern Bengal and Assam	+·036	73·8	—1·4	51·2	—0·6	62·5	—1·0	22·6	35·4	—0·7	—13	90	+ 1	·397	—·016	3·5	+1·4	0·69	0·61	+0·08
Bengal	+·037	73·8	—3·2	50·1	—2·4	62·0	—2·8	23·6	39·2	+0·1	0	81	+ 3	·354	—·031	3·0	+1·2	0·86	0·50	+0·36
United Provinces of Agra and Oudh	+·028	70·3	—2·1	45·9	—1·2	58·0	—1·7	24·4	41·5	—0·5	—17	78	— 1	·284	—·023	3·5	+1·1	0·87	0·85	+0·02
Punjab	+·012	63·1	0	44·5	+2·1	56·3	+1·1	23·6	39·3	+0·5	+ 3	74	— 1	·266	+·011	3·5	—0·3	1·47	1·15	+0·32
North-West Frontier Province	—·009	65·4	—0·9	42·8	+2·8	54·1	+1·0	22·7	36·5	—0·6	— 2	81	+10	·256	+·051	4·2	+0·2	·320	1·38	+1·82
Sind	+·004	75·3	—0·5	51·2	+1·5	63·2	+0·5	24·1	42·0	—1·8	+ 4	74	+12	·324	+·055	3·1	0	0·77	0·28	+0·49
Rajputana	+·007	75·2	—0·2	48·0	+0·2	61·6	—0·1	27·3	43·8	—0·3	+ 4	65	+ 3	·258	+·010	2·2	—0·6	0·60	0·33	+0·27
Bombay	+·016	83·8	—0·4	58·4	+0·4	71·1	0	25·5	38·4	—0·4	— 6	62	0	·388	—·004	1·4	+0·5	0·06	0·09	—0·03
Central India	+·024	75·7	—1·2	47·0	—1·3	61·4	—1·2	28·7	43·5	—0·9	+ 8	66	0	·270	—·020	2·3	+0·7	0·64	0·46	+0·18
Central Provinces	+·024	80·6	—0·5	50·4	—2·7	65·6	—1·6	30·2	45·6	+0·2	+ 4	53	— 8	·249	—·074	1·7	+0·4	0·26	0·41	—0·15
Hyderabad	+·023	84·2	—0·5	58·9	+0·7	71·6	+0·1	25·3	38·6	—0·6	+20	56	— 7	361	—·047	2·0	+1·2	0·34	0·08	+0·26
Mysore	+·015	83·3	+0·9	59·7	+1·9	71·6	+1·4	23·7	33·8	—0·1	—12	73	+ 3	·477	+·020	2·7	+0·3	0·54	0·07	+0·47
Madras	+·028	85·2	—0·2	67·6	+0·9	76·4	+0·3	17·6	28·0	+1·0	— 3	78	0	·630	+·008	3·3	+0·8	0·90	0·45	+0·45

Table

(2) *Abstract of observations taken at 8 hrs., at 238 stations*

Number of subdivision.	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma.																						
2	Mergui	119	29·950	+·047	29·984	30·020	9th	29·881	30th	·139	76·4	87·9	- 0·2	68·9	+2·0	78·4	+0·9	19·0	92·4	27th	65·4	27th	27·0
	Tavoy	19	30·053	+·051	30·104	30·131	9th	29·953	30th	·178	69·3	89·4	−0·1	64·5	+0·3	77·0	+0·1	24·9	92·5	15th & 26th.	57·8	31st	34·7
	Moulmein	94	29·978	+·045	30·012	30·074	10th	29·854	30th	·220	70·1	89·0	+0·6	66·5	+1·3	77·8	+1·0	22·5	92·5	2nd	62·8	21st & 31st.	29·7
	Rangoon	36	30·030	+·031	30·004	30·125	8th	29·896	31st	·229	69·7	88·1	−1·0	66·4	+2·2	77·3	+0·6	21·7	92·1	1st	60·4	20th	31·7
	Bassein	27?	30·037	+·035	30·002	30·133	9th	29·901	31st	·232	66·6	85·9	+0·2	64·1	+2·4	75·0	+1·3	21·8	89·7	1st, 2nd & 3rd.	57·9	20th	31·8
	Diamond Island	41	30·015	+·028	29·991	30·102	7th	29·886	31st	·216	76·5	82·5	−1·5	73·0	+2·0	77·8	+0·3	9·5	86·4	10th	69·2	20th	17·2
	Toungoo	183	29·911	+·046	30·031	30·007	8th	29·785	30th	·222	63·8‡	84·4‡	−0·9	58·7‡	+1·1	71·6‡	+0·1	25·7	88·4	25th & 28th.	52·6	19th & 20th.	35·8
	Akyab	20	30·053	+·019	30·017	30·162	7th	29·908	31st	·254	62·5	77·8	−3·6	60·7	+1·4	69·3	−1·1	17·1	80·4	1st	57·3	20th & 22nd.	23·1
3	Thayetmyo	121	29·970	+·050	30·038	30·090	8th	29·822	31st	·268	64·1	86·6	+0·7	55·4	+1·9	71·0	+1·3	31·2	91·5	28th	46·9	20th	44·6
	Minbu	*165*	29·914	+·027	30·031	30·036	8th	29·781	30th	·255	63·6	84·8	−0·9	59·1	+3·0	72·0	+1·1	25·7	91·2	28th	50·6	20th	40·6
	Yamethin	657	29·397	+·035	30·036	29·538	11th	29·236	30th	·302	62·6	84·8	−2·4	56·3	+1·7	70·6	−0·4	28·5	88·8	26th & 27th.	49·5	19th	39·3
	Mandalay	250	29·839	+·056	30·051	29·963	8th	29·690	30th	·273	63·8	85·1	+1·0	58·4	+2·4	71·8	+1·7	26·7	91·5	27th	50·8	20th	40·7
	Monywa	*280*	29·839		30·058	29·967	7th	29·695	30th	·272	60·4	82·4		57·3		69·9		25·1	87·3	28th	52·6	20th	34·7
	Lashio	*2,751*	27·237	+·016	27·183	27·365	7th	27·112	31st	·253	51·8	72·6	−2·5	46·1	+1·1	59·4	−0·7	26·5	76·3	26th, 27th & 28th.	40·0	30th	36·3
	Bhamo	*381*	29·729	+·069?	30·092	29·864	7th	29·588	28th	·276	53·0	74·4	−2·8	49·6	+1·1	62·0	−0·9	24·8	79·9	27th	44·1	20th & 21st.	35·8
	Myitkyina	458	29·628		30·074	29·769	7th	29·491	31st	·278	56·9	74·5		50·4		62·5		24·1	80·7	27th	46·1	19th & 20th.	34·6
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	353	29·753		30·092	29·888	7th	29·601	31st	·287	51·3	71·9		48·9		60·4		23·0	75·9	16th & 26th.	43·1	18th	32·8
	Sibsagar	333	29·816?	+·047?	30·131?	29·942	8th	29·675	30th	·267	52·4	70·2	+0·1	48·1	−1·4	59·2	−0·7	22·1	73·6	1st & 25th.	44·2	6 days.	29·4
	Tezpur	252	29·859		30·089	29·978	8th	29·699	31st	·279	53·2	73·1		51·6‖		62·9‖		22·5	78·1	25th	45·9	4th	32·2
	Gauhati	195	29·932		30·097	30·055	7th	29·766	31st	·289	53·6	73·9		49·7		61·8		24·2	80·0	27th	45·1	9th & 11th.	34·9
	Dhubri	115	29·993	+·029	30·071	30·102	8th	29·828	30th & 31st.	·274	54·6	72·2	−1·8	52·2	−0·9	62·2	−1·4	20·0	79·7	28th	45·8	19th	33·9
	Silchar	104	30·006	+·026	30·071	30·124	8th	29·832	30th	·292	56·7	77·2	−0·6	52·1	−0·2	64·7	−0·4	25·1	82·0	24th	47·8	3rd	34·2
5	Chittagong	87	30·013	+·037	30·053	30·121	8th	29·853	31st	·268	59·0	77·6	−0·7	54·5	−0·8	66·1	−0·8	23·1	81·1	12th, 27th & 28th.	49·4	21st	31·7
	Noakhali	43	30·052		30·044	30·160	8th	29·883	30th	·277	57·4	74·9		52·6		63·8		22·3	78·3	11th, 27th & 28th.	47·4	2nd & 3rd.	30·9
	Barisal	12	30·092	+·035	30·051	30·200	8th	29·919	31st	·281	59·4	76·1	−1·5	53·7	−0·7	65·0	−1·1	22·4	82·3	28th	48·1	18th	34·2
	Comilla	36	30·069		30·054	30·182	8th	29·904	30th	·278	56·7	76·9		52·0		64·4		24·9	82·3	27th & 28th.	45·3	19th	37·0
	Narayanganj	26	30·080	+·038	30·056	30·195	8th	29·914	30th	·281	57·4	74·9	−3·0	54·6	−0·6	64·8	−1·8	20·3	80·5	27th & 28th.	46·8	20th	33·7
	Faridpur	46	30·065		30·063	30·174	8th	29·893	31st	·281	55·9	74·6		50·9		62·8		23·7	81·8	27th	43·4	19th	38·4
	Sirajganj	49	30·069		30·070	30·181	8th	29·888	30th	·293	54·5	73·4		51·9		62·7		21·5	80·8	27th	43·8	20th	37·0
	Mymensingh	63	30·055	+·037	30·073	30·157	7th	29·879	30th	·278	57·3	74·1	−0·9	53·1	+0·6	63·6	−0·2	21·0	79·1	27th & 28th.	45·1	20th	34·0
	Bogra	75	30·040	+·047	30·071	30·151	7th	29·852	31st	·299	55·8	73·7	−2·4	51·2	−0·7	62·5	−1·6	22·5	81·7	27th & 28th.	44·2	21st	37·5
	Rampur Boalia	70	30·048		30·071	30·164	7th	29·825	31st	·339	55·7	74·4		50·1		62·3		24·3	83·1	27th	40·6	20th	42·5
	Malda	72	30·041‡		30·071‡	30·150	7th	29·818	31st	·332	52·7	71·1		48·2		59·7		22·9	80·3	27th	40·5	21st	39·8
	Dinajpur	123	29·988	+·042	30·076	30·108	7th	29·812	31st	·296	51·7	73·0	−2·7	47·6	−1·8	60·3	−2·3	25·4	81·8	27th	37·0	20th	44·8
	Rangpur	123	29·993		30·081	30·104	8th	29·819	31st	·285	54·9	71·7		50·4		61·1		21·3	79·6	27th	40·6	20th	39·0

‡ Mean of 28 days.

N.B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometrical readings are not reduced to sea-level in the cases of hill or plateau

B.

in India, etc., in January, 1908.

Wind direction. Number of winds from: Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs, in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 31st January 1908.	Normal rainfall for period, 1st Dec. to 31st January.	Departure from normal of period, 1st Dec. 1907 to 31st Jan. 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																I.—Burma.
23	4	4							N 24° E	S 4° W	2·6	2·0	+0·6	27	+16	79	− 2	·707	−·003	2·0	−1·0	0	1·40	−1·40	0	0·91	− 0·91	0	1·29	− 1·29	0	Mergui.
31									(a)	N 9° W	1·1*	1·2	−0·1			89	+ 2	·645	0	2·0	0	0	0·20	−0·20	0·09	0·21	− 0·12	0·09	0·27	− 0·18	0·05	Tavoy.
4	3	13	6	4	1				N 65° E	N 48° E	3·1	2·4	+0·7	66	+ 5	87	+ 2	·639	+·037	0·8	−0·5	0	0·40	−0·40	0	0·36	− 0·36	0·15	0·41	− 0·26	0	Moulmein.
5	13	11				1		1	N 17° E	N 29° E	3·9	3·8	+0·1	72	+10	80	− 3	·586	+·018	1·2	−0·3	0	0·20	−0·20	0	0·12	− 0·12	1·37	0·21	+ 1·16	0	Rangoon.
4	1	3	1	1		4	6	11	N 60° W	N 2° W	3·8‖	3·6	+0·2	46	+14	91	+ 4	·602	+·025	0·3	−1·5	0	0·10	−0·10	0	0·14	− 0·14	3·22	0·27	+ 2·95	0	Bassein.
2	11	12	3					3	N 23° E	N 14° E	8·2	7·9	+0·3	79	− 2	74	+ 1	·679	+·026	1·5	−0·8	1	0·44	+0·56	1·53	0·21	+ 1·32	6·37	0·91	+ 5·46	1·53	Diamond Island.
14	7	4					1	5	N 8° W	N 9° W	2·2†	1·7	+0·5	43	−22	92	+ 4	·547	+·046	0·4	−0·7	0	0·20	−0·20	0	0·08	− 0·08	2·15	0·25	+ 1·93	0	Toungoo.
1	12	15	2					1	N 27° E	N 21° E	2·8	2·8	0	86	− 1	94	+ 7	·531	+·037	3·3	+2·6	0	0·10	−0·10	0	0·06	− 0·06	3·03	0·76	+ 2·27	0	Akyab.
1	12	12			1	1		4	N 12° E	N 11° E	4·6‖*	2·8	+1·8	76	+10	75	+ 1	·454	+·037	1·5	+0·9	0	0·10	−0·10	0	0·02	− 0·02	1·60	0·17	+ 1·43	0	Thayetmyo.
6	3				1		2	19	N 45° W	N 52° W	4·9§	5·8	−0·9	69	+21	70	− 4	·423	−·002	2·3	+1·6	0	0·10	−0·10	0	0	0	0·38	0·63	− 0·25	0	Minbu.
8	12			4	1			6	N 6° W	N 11° W	2·4	2·4	0	40	+14	79	+ 2	·449	+·020	4·3	+3·8	0	0·20	−0·20	0	0·08	− 0·08	1·09	0·57	+ 0·52	0	Yamethin.
27	3				1				N	N 13° E	3·0‖	2·1	+0·9	6	− 7	78	− 5	·460	+·001?	0·7	−0·4	0	0·10	−0·10	0	0·05	− 0·05	1·22	0·34	+ 0·88	0	Mandalay.
12	9	1						9	N 19° W		2·5‖			56		86		·461		1·7		0	0	0	0·02	0	+ 0·02	0·89	0·15	+ 0·74	0·02	Monywa.
30							1		W		2·3*			3		91	+ 1	·354	+·016	2·9	−1·6	9			0·09	0·39	− 0·30	3·48	1·05	+ 2·43	0·05	Lashio.
28		1	1			1			E	N 18° W	1·3	2·6	−1·3	3	−13	99	+ 6	·494	+·021	2·7	−0·4	4	1·20	+2·80	1·63	0·72	+ 0·91	3·91	1·14	+ 2·77	0·68	Bhamo.
31									(a)		5·9*					93		·430		5·5		1			0·48			1·53			0·31	Myitkyina.
																																II.—Eastern Bengal and Assam.
31									(a)		0·2					96		·365		9·1		3	4·00	−1·00	1·28	1·57	− 0·29	1·53	2·33	− 0·80	0·60	Dibrugarh.
25	1		2	1				2	N 38° E	N 32° E	1·4	1·8	−0·4	7	−16	95	− 4	·380	−·024	8·2	+2·8	3	3·70	−0·70	1·53	1·31	+ 0·22	1·96	1·88	+ 0·08	1·00	Sibsagar.
19			3	2		1			N 75° E		2·4			27		93		·381		1·7		2	1·80	−0·20	0·34	0·65	− 0·31	1·13	1·08	+ 0·05	0·15	Tezpur.
26	2	2			1				N 31° E		1·9			7		97		·402		7·1		1	1·70	−0·70	0·22	0·64	− 0·42	0·50	0·88	− 0·38	0·16	Gauhati.
6	6	3	13	1	2				N 71° E	N 55° E	2·9	3·8	−0·9	53	+14	97	+ 6	·417	+·008	1·1	−0·8	2	0·90	+1·10	0·57	0·43	+ 0·14	0·57	0·50	+ 0·07	0·44	Dhubri.
31									(a)	S 72° E	0·3	1·7	−1·4			89	− 2	·414	−·017	3·5	0	4	1·90	+2·10	0·52	0·72	− 0·20	2·17	1·18	+ 0·99	0·14	Silchar.
6	8	7	2	1			3	4	N 7° E	N 28° E	2·5	3·1	−0·6	49	− 6	90	+ 2	·451	−·009	1·0	−0·1	1	0·68	+0·32	0·43	0·30	+ 0·13	1·14	1·15	− 0·01	0·40	Chittagong.
17	8	5						1	N 14° E		2·2			39		90		·425		2·4		2	0·97	+1·03	0·46	0·44	+ 0·02	0·51	0·82	− 0·31	0·30	Noakhali.
27	1	1						2	N 13° W	N 4° E	0·7	1·7	−1·0	10	− 1	90	+ 3	·456	−·013	1·2	+0·4	2	1·00	+1·00	1·19	0·67	+ 0·52	1·19	1·27	− 0·08	0·78	Barisal.
24	3			2				2	N		1·1			10		93		·434		2·4		2	1·29	+0·71	0·67	0·54	+ 0·13	1·04	0·76	+ 0·28	0·43	Comilla.
15	2	4	1	1	1		1	6	N 6° W	N 10° W	1·5	2·3	−0·8	23	−16	88	+ 1	·419	−·030	1·8	+0·5	3	1·00	+2·00	0·63	0·38	+ 0·25	1·33	0·54	+ 0·79	0·23	Narayanganj.
15	11			1	1			3	N 5° W		1·8			36		90		·407		3·0		2	0·97	+1·03	0·93	0·49	+ 0·44	1·57	0·57	+ 1·00	0·77	Faridpur.
24	2		1		1	1	1	1	N 45° W		1·0			3		92		·402		2·7		1	1·07	−0·07	0·83	0·47	+ 0·36	0·89	0·58	+ 0·31	0·83	Sirajganj.
22		2	2			2	3		N 45° W	N 54° E	0·7	1·3	−0·6	3	−26	88	− 3	·408	−·012	8·2	+6·7	2	1·00	+1·00	0·80	0·50	+ 0·30	1·21	0·55	+ 0·66	0·58	Mymensingh
26		2				1	2		N 20° W	N 18° W	1·5	1·7	−0·2	10	−24	81	− 4	·364	−·032	1·9	+0·7	1	1·06	−0·06	0·62	0·57	+ 0·05	0·88	0·59	+ 0·29	0·60	Bogra.
31									(a)		0·6					75		·339		1·4		1	0·85	+0·15	0·64	0·35	+ 0·29	1·04	0·41	+ 0·63	0·56	Kampur Boalia.
15	3	2	1			1	9		N 24° W		3·5			39		94		·380		2·3		1	0·97	+0·03	0·92	0·68	+ 0·24	1·13	0·92	+ 0·21	0·90	Malda.
17		1	3	1		1	4	4	N 56° W	N 61° W	2·2	2·3	−0·1	10	−26	95	+ 8	·366	−·011	4·1	+3·0	1	0·84	+0·16	0·17	0·51	− 0·34	0·24	0·55	− 0·31	0·17	Dinajpur.
23	2			1		1	1	3	N 45° W		1·0			13		87		·378		4·2		2	0·90	+1·10	0·42	0·49	− 0·07	0·47	0·58	− 0·11	0·27	Rangpur.

* Uncorrected. † Mean of 18 days. (a) Indeterminate.

§ Mean of 22 days. ‖ Mean of 30 days.

stations, the elevations of which exceed 3,200 feet.

Table

(2) *Abstract of observations taken at 8 hrs., at 237 stations*

Number of subdivision.	Station.	Elevation of bar-ciatern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	II.—Eastern Bengal and Assam—*concld.*																						
	Jalpaiguri	283	29·823	+·034	30·083	29·959	7th	29·672	30th	·287	53·7	71·6	−0·4	51·0	+0·2	61·3	−0·1	20·6	77·4	27th & 28th.	44·6	20th	32·8
	Cooch Behar	156	29·968		30·093	30·088	7th	29·794	31st	·294	52·9	72·2		50·3		61·3		21·9	77·3	27th & 28th.	44·6	19th	32·7
	III.—Bengal.																						
6	Saugor Island	25	30·082	+·027	30·052	30·204	7th	29·870	31st	·334	60·1	75·5	−1·1	56·5	−2·7	66·0	−1·9	19·0	80·0	12th & 29th.	49·5	19th	30·5
	Midnapore	149	29·954		30·060	30·074	7th	29·721	31st	·353	57·2	77·3		53·2		65·3		24·1	85·3	27th	46·7	18th & 19th.	38·6
	Calcutta	21	30·098	+·033	30·066	30·213	8th	29·885	31st	·328	56·2	76·3	−0·8	53·1	−2·2	64·7	−1·5	23·2	83·6	27th	47·2	9th	36·4
	Jessore	33	30·092	+·047	30·074	30·204	7th	29·911	31st	·293	56·7	74·6	−3·3	51·3	−1·7	63·0	−2·5	23·3	81·5	27th	45·7	19th & 20th.	35·8
	Krishnagar	47	30·074*		30·073*	30·193	8th	29·860	31st	·333	54·5	75·6		49·8		62·7		25·8	83·6	27th	43·0	19th	40·6
	Burdwan	99	30 017	+·030	30·072	30·137	8th	29·780	31st	·357	56·0	76·2	−2·6	52·5	−2·4	64·3	−2·5	23·7	83·4	27th & 28th.	46·3	19th	37·1
	Bankura	313	29·789		30·074	29·922	8th	29·531	31st	·391	56·3	75·4		52·3		63·8		23·1	85·1	27th	46·7	18th	38·4
	Raniganj	334	29·781		30·095	29·902	7th	29·535	31st	·367	54·0	75·5		50·6		63·1		24·9	84·0	27th	46·0	18th & 19th.	38·0
	Berhampore	67	30·055	+·037	30·076	30·174	7th	29·814	31st	·360	54·1	74·8	−2·0	50·8	−2·6	62·8	−2·3	24·0	83·3	27th	43·2	20th	40·1
	Naya Dumka	489	29·619		30·105	29·742	8th	29·366	31st	·376	55·1	73·9		48·3		61·1		25·6	83·9	27th	43·0	21st	40·9
7	Balasore	50	30·073	+·038	30·071	30·197	7th	29·834	31st	·363	58·2	77·0	−4·3	54·2	−1·5	65·7	−2·9	22·8	83·4	28th	48·3	5th, 9th & 19th.	35·1
	False Point	21	30·102	+·041	30·066	30·224	7th	29·887	31st	·337	61·7	76·4	−2·7	54·7	−3·6	65·5	−3·2	21·7	82·1	28th	47·1	19th	35·0
	Cuttack	80	30·041	+·039	30·069	30·167	7th	29·803	31st	·364	60·2	78·7	−5·8	56·7	−3·1	67·8	−4·5	22·0	87·9	29th	50·7	4th & 19th.	37·2
	Puri	24	30·094		30·057	30·218	7th	29·925	30th	·293	61·2	77·6		60·5		69·1		17·1	81·1	30th	55·1	3rd	26·0
	Angul	455	29·642		30·087	29·770	7th	29·403	31st	·367	58·0	78·9		52·5		65·7		26·4	86·6	29th	46·0	19th	40·6
	Sambalpur	486	29·629	+·041	30·095	29·748	7th	29·341	31st	·407	58·2	78·6	−3·6	52·0	−2·8	65·3	−3·2	26·6	85·1	27th & 28th.	44·6	19th	40·5
8	Chaibassa	*733*	29·355	+·036	30·095	29·490	8th	29·101	31st	·389	52·7	77·1	−4·0	50·3	−2·8	63·7	−3·1	26·8	86·3	27th	44·7	18th	41·6
	Ranchi	2,128	27·914	+·031	30·109	28·036	7th	27·662	31st	·374	53·3	72·3	−2·1	49·0	−1·9	60·7	−2·0	23·3	80·7	27th	40·9	17th & 18th,	39·8
	Purulia	*816*	29·261		30·083	29·380	7th	29·000	31st	·380	53·0	75·8		50·6		63·2		25·2	86·5	27th	44·6	18th	41·9
	Hazaribagh	1,993	28·056	+·033	30·106	28·186	7th	27·781	31st	·405	55·4	71·0	−2·1	48·6	−1·9	59·8	−2·0	22·4	81·7	27th	38·2	17th	43·4
	Daltonganj	*730*	29·379		30·131	29·519	7th	29·046	31st	·473	47·6	74·3		43·1		58·7		31·2	85·0	27th	36·0	17th	49·0
6	Purnea	123	30·002	+·048	30·091	30·132	7th	29·811	31st	·321	49·7	70·9	−3·8	46·1	−2·2	58·5	−3·0	24·8	78·7	27th & 28th.	36·7	20th	42·0
	Bhagalpur	160	29·977		30·101	30·098	7th & 8th	29·762	31st	·336	55·0	70·9		47·2		59·1		23·7	80·2	27th	39·8	21st	40·4
	Monghyr	155	29·977		30·097	30·098	8th	29·715	31st	·383	54·7	69·0		49·5		59·2		19·5	78·4	11th	39·9	18th	38·5
	Darbhanga	165	29·960	+·046	30·097	30·085	7th	29·728	31st	·357	49·8	70·4	−2·3	46·1	−6·0†	58·2	−4·2†	24·3	79·1	28th	35·3	20th	43·8
	Pusa	166	29·963		30·099	30·089	8th	29·741	31st	·348	50·6	70·0‡		46·3		58·0‡		23·7	78·8	28th	35·7	20th	43·1
	Muzaffarpur	178	29·957		30·105	30·089	7th	29·695	31st	·394	52·5	70·0		46·3		58·2		23·7	79·7	28th	36·5	20th	43·2
	Motihari	224	29·887		30·092	30·003	9th	29·619	31st	·384	47·2	71·5		43·9		57·7		27·6	80·4	28th	36·3	20th	44·1
	Chapra	181	29·937		30·088	30·070	9th	29·674	31st	·396	51·5	70·0		48·2		59·1		21·8	78·7	11th	40·6	21st	38·1
	Patna	183	29·917	+·034	30·097	30·066	7th	29·652	31st	·414	53·9	68·1	−4·9	48·9	−1·3	58·5	−3·1	19·2	78·5	11th	41·2	21st & 23rd.	37·3
	Arrah	190	29·934		30·094	30·062	7th	29·633	31st	·429	50·9	70·0		46·7*		58·5*		23·3	79·4	28th	40·7	18th	38·7
	Buxar	239	29·876		30·092	30·020	8th	29·566	31st	·454	51·7	71·2		47·6		59·4		23·6	81·0	11th & 31st.	41·1	23rd	39·9
	Dehri	251	29·755		30·089	29·887	7th	29·446	31st	·441	52·8	72·2		49·4		60·8		22·8	81·3	27th	43·0	18th & 20th.	38·3
	Gaya	375	29·733	+·026	30·089	29·866	7th	29·428	31st	·438	52·3	71·4	−4·5	47·9	−3·7	59·7	−4·1	23·5	80·9	11th	42·2	21st, 22nd & 23rd.	38·7
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·846	+·037	30·081	29·980	7th	29·556	31st	·424	52·2	70·9	−2·0	46·9	−2·3	58·9	−2·2	24·0	79·1	28th	37·0	21st	42·1
	Benares	267	29·846	+·032	30·090	29·973	7th	29·514	31st	·459	51·9	71·4	−2·9	44·5	−3·7	57·9	−3·3	26·9	82·5	31st	39·1	8th	43·4
	Allahabad	309	29·792	+·019	30·082	29·917	7th	29·438	31st	·479	50·1	72·1	−2·3	45·6	−2·3	58·9	−2·3	26·5	81·6	26th & 31st.	39·0	18th	42·6

N.B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometrical readings are not reduced to sea-level, in the cases of hill or plateau

* Mean of 30 days.

† Indeterminate.

‡ Mean of 29 days.

B—*continued.*

in India, etc., in January, 1908—continued.

Wind direction. Number of winds from: Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction,	Normal direction	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs, in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 31st Jan. 1908.	Normal rainfall for period, 1st Dec. to 31st January.	Departure from normal of period, 1st Dec. 1907 to 31st Jan. 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																															II.—Eastern Bengal and Assam—*concld.*	
31									†	N 18° E	0·6					90	— 1	·377	—·019	2·2	+1·2	1	0·97	+ 0·03	0·34	0·50	— 0·16	0·51	0·54	—0·03	0·25	Jalpaiguri.
26		2	2				1		N 63° E		1·2			6		90		·365		4·0		1	0·90	+ 0·10	0·16	0·43	— 0·27	0·39	0·51	— 0·12	0·11	Cooch Behar.
																															III.—Bengal.	
1	12	11	2	1	3			1	N 30° E	N 13° E	8·5§	7·2	+1·3	66	+ 2	89	—1	·467	—·059	2·4	+0·9	3	0·74	+ 2·26	1·73	0·21	+ 1·52	1·78	0·54	+ 1·24	0·65	Saugor Island.
4	16	1	1	2	2		1	4	N 4° W		2·7			52		74		·353		1·9		2	0·94	+ 1·06	0·80	0·55	+ 0·25	2·73	0·75	+ 1·98	0·65	Midnapore.
8	6	3	2	2		1	1	8	N 8° W	N 6° W	3·5§	2·6	+0·9	40	+ 8	89	+5	·413	—·025	1·8	+0·7	4	0·78	+ 3·22	0·86	0·32	+ 0·54	1·39	0·54	+ 0·85	0·43	Calcutta.
25	3					1		2	N 30° W	N 14° W	0·4	1·6	—1·2	17	+ 3	89	+2	·412	—·023	3·3	+2·1	2	0·90	+ 1·10	0·46	0·46	0	1·39	0·64	+ 0·75	0·18	Jessore.
22	3		1	1			2	2	N 27° W		1·3			16		86		·373		1·5		2	0·81	+ 1·19	1·32	0·43	+ 0·89	2·03	0·53	+ 1·50	1·16	Krishnagar.
16	6		1		1		3	4	N 32° W	N 23° W	1·4	1·6	—0·2	33	+ 7	82	+10	·376	+·007	1·8	+0·3	1	0·81	+ 0·19	1·02	0·29	+ 0·73	2·24	0·40	+ 1·84	0·97	Burdwan.
25			1				3	2	N 72° W		1·4			10		71		·326		1·3		2	1·06	+ 0·94	1·52	0·34	+ 1·18	2·62	0·47	+ 2·15	1·30	Bankura.
10	2	1	1	1			6	10	N 51° W		2·0			45		80		·344		1·9		1	0·97	+ 0·03	1·63	0·43	+ 1·20	2·13	0·51	+ 1·62	1·58	Raniganj.
16	6		2	1	1	1	2	2	N 15° W	N 67° W	1·4	1·6	—0·2	17	— 9	84	—4	·353	—·062	2·5	+1·1	1	1·06	— 0·06	0·94	0·41	+ 0·53	1·43	0·52	+ 0·91	0·90	Berhampore.
25	4		1				1		N 3° E		1·2‡			4		75		·333		2·1		1	1·17	— 0·17	0·52	0·59	— 0·07	0·70	0·75	— 0·05	0·50	Naya Dumka
2	10	2				2	1	13	N 28° W	N 27° W	2·0	2·8	—0·8	66	+16	79	—2	·391	—·051	2·8	+1·3	4	0·61	+ 3·39	3·79	0·27	+ 3·52	4·24	0·45	+ 3·79	3·35	Balasore.
8	8				1	2		12	N 35° W	N 28° W	4·5	5·9	—1·4	56	—12	86	—2	·487	—·052	3·0	+1·5	3	0·71	+ 2·29	1·52	0·46	+ 1·06	2·96	1·15	+ 1·81	0·97	False Point.
20	1	2	1			3	3	1	N 74° W	N 8° W	1·3§	1·4	—0·1	10	0	82	+4	·440	—·015	2·6	+1·1	3	0·55	+ 2·45	0·95	0·16	+ 0·79	1·66	0·43	+ 1·23	0·50	Cuttack.
1	23	2				2		2	N 2° W		9·1			81		82		·508		2·3		3	0·43	+ 2·57	0·93	0·26	+ 0·67	2·00	0·91	+ 1·09	0·55	Puri.
2			1		1	1	3	23	N 52° W		4·9			78		78		·391		1·6		1			0·38			1·20			0·30	Angul.
	4	10	8	7	1	1			N 77° E	N 32° E	4·0	2·6	+1·4	62	—12	73	0	·365	—·040	2·1	+0·8	1	1·00	0	0·34	0·28	+ 0·06	1·58	0·52	+ 1·06	0·21	Sambalpur.
6	1	2	1			16	5		S 57° W	S 68° W	1·9	1·2	+0·7	53	+13	84‖	+10	·347‖	—·031	1·8	+0·4	1	1·23	— 0·23	0·63	0·14	+ 0·49	3·29	0·24	+ 3·05	0·63	Chaibassa.
6	2	1	1		2	2	7	10	N 66° W	N 73° W	6·0	5·2	+0·8	49	+13	65	+2	·267	—·033	1·8	+0·2	1	1·35	— 0·35	0·79	0·29	+ 0·50	2·07	0·38	+ 1·69	0·68	Ranchi.
4		1					24	2	N 85° W		3·0			81		79		·321		1·8		1	1·35	— 0·35	0·74	0·44	+ 0·30	1·81	0·62	+ 1·19	0·70	Purulia.
3	2				5	6	8	7	S 82° W	S 86° W	5·6	5·8	—0·2	56	+12	64	0	·277	—·023	1·6	—0·3	1	1·45	— 0·45	0·27	0·48	— 0·21	0·83	0·68	+ 0·15	0·27	Hazaribagh.
24			4	2	1				S 68° E		2·4			16		73		·246		3·0		1	1·63	— 0·63	0·47	0·76	— 0·29	0·57	1·05	— 0·48	0·47	Daltonganj.
19		1	1			3	2	5	N 71° W	S 74° W	1·5	2·1	—0·6	23	— 6	96	+ 5	·348	—·002	3·7	+2·5	1	0·90	+ 0·10	0·81	0·47	+ 0·34	1·44	0·57	+ 0·87	0·81	Purnea.
19			1		2	2	5	2	S 74° W		1·9			23		78		·342		6·7		1	1·32	— 0·32	0·28	0·55	— 0·27	0·28	0·62	— 0·34	0·28	Bhagalpur.
3			4	2	1	4	16	1	S 70° W		4·2			48		84		·363		4·2		1			1·05			1·05			1·05	Monghyr.
22	1	1	1				6		N 68° W	S 84° W	1·6	2·6	—1·0	13	—18	93	+ 7	·310	—·040	4·0	+2·7	1	1·30	— 0·30	0·26	0·62	— 0·36	0·27	0·69	— 0·42	0·23	Darbhanga.
28	1	1				1	2		N 63° W					6		84		·314		3·9		1			0·47			0·47			0·44	Pusa.
19			2	1		1	4	4	N 79° W		2·4			16		85		·334		3·0		1	1·33	— 0·33	0·34	0·79	— 0·45	0·34	0·86	— 0·52	0·29	Muzaffarpur
22		1	2	1	1	1	2	1	S		2·6			3		93		·310		9·0		1	1·32	— 0·32	0·16	0·59	— 0·43	0·16	0·73	— 0·57	0·14	Motihari.
19	1	3	2		2	3		1	S 75° E		2·3			1		85		·325		4·1		1	1·48	— 0·48	0·73	0·74	— 0·01	0·73	0·83	— 0·10	0·73	Chapra.
7		1	4	1	5	5	7	1	S 37° W	S 70° W	3·8	2·4	+1·4	37	—15	77	0	·321	—·035	4·3	+2·6	1	1·32	— 0·32	0·74	0·56	+ 0·18	0·74	0·68	+ 0·08	0·74	Patna.
12		3		1	1	5	7	2	S 77° W		1·8			29		82		·309		4·3		2	1·58	+ 0·42	0·93	0·88	+ 0·05	0·93	1·01	— 0·08	0·82	Arrah.
3	1	1	4	3	2	11	6		S 35° W		4·9			39		76		·293		4·1		2	1·65	+ 0·35	0·74	0·78	— 0·04	0·74	0·98	— 0·24	0·46	Buxar.
1	1	1	2		6	14	6		S 42° W		3·9			61		77		·313		3·6		1	1·35	— 0·35	0·55	0·59	— 0·04	0·55	0·91	— 0·36	0·52	Dehri.
11	2	1		3	6	1	6	1	S 41° W	S 16° W	3·6	3·0	+0·6	27	— 5	82	+ 9	·327	—·018	3·5	+1·8	1	1·32	— 0·32	1·37	0·59	+ 0·78	1·41	0·76	+ 0·65	1·32	Gaya.
																															IV.—United Provinces of Agra and Oudh.	
23		1	1	2			3	1	W	N 84° W	0·8§	1·6	—0·8	2	—34	76	— 6	·297	—·053	2·6	+0·8	1	1·50	— 0·50	0·28	0·76	— 0·48	0·28	0·90	— 0·62	0·19	Gorakhpur.
19		2	3			4	3	1	S 77° W	S 43° W	1·7	2·9	—1·2	10	—26	81	— 3	·317	—·024	2·8	+0·9	2	1·40	+0·60	0·50	0·67	— 0·17	0·50	0·88	— 0·38	0·40	Benares.
12			6			3	7	2	S 68° W	N 74° W	2·7	3·8	—1·1	17	— 9	76	— 3	·284	—·049	3·5	+1·6	2	1·60	+0·40	0·48	0·76	— 0·28	0·48	1·00	— 0·52	0·33	Allahabad.

stations, the elevations of which exceed 3,200 feet.

§ Uncorrected.

‖ Mean of 28 days.

Table

(2) *Abstract of observations taken at 8 hrs., at 238 stations*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IV.—United Provinces of Agra and Oudh—*concld.*																						
10	Cawnpore	416	29·685	+·037	30·097	29·800	5th & 17th.	29·331	31st	·469	48·7	72·1	−1·8	44·5	−2·6	58·3	−2·2	27·6	81·9	26th	37·2	16th	44·7
	Lucknow	368	29·748	+·049	30·107	29·866	8th & 16th.	29·409	31st	·457	49·3	70·0	−4·0	44·9	−1·8	57·5	−2·8	25·1	79·5	26th	37·6	20th	41·9
	Bahraich	461	29·689	+·037	30·085	29·809	8th	29·378	31st	·431	49·8	69·2	−3·2	46·4	−0·7	57·9	−2·0	22·8	77·6	1st, 5th & 27th.	38·0	21st	39·6
11	Jhansi	835	29·269?	+·032	30·124?	29·407	17th	28·935	31st	·472	56·9	75·7	−0·7	51·0	−0·1	63·3	−0·4	24·7	88·8	31st	41·1	17th	47·7
	Agra	556	29·520*	+·001	30·083*	29·657	5th	29·119	31st	·538	50·1	70·0	−3·5	47·6	−1·0	58·8	−2·3	22·4	79·0	30th	38·0	17th	41·0
	Mainpuri	516	29·569	+·026	30·087	29·703	5th	29·183	31st	·520	49·2	70·1	−1·6	46·7†	+0·4†	57·1†	−0·6	23·4	80·3	31st	38·3	18th	42·0
	Bareilly	568	29·504	+·027	30·084	29·627	8th	29·155	31st	·472	48·8	67·6	−3·0	44·4	−1·7	56·0	−2·4	23·2	76·3	1st & 27th.	37·5	18th	38·8
	Meerut	738	29·326	+·018	30·091	29·488	5th	28·972	31st	·516	48·3	70·0	−0·4	45·3	+0·3	57·7	−0·1	24·7	77·6	27th	38·8	5th	38·8
	Roorkee	899	29·164	+·036	30·107	29·305	7th	28·788	31st	·517	47·4	66·3	−3·3	44·0	−0·4	55·3	−1·9	22·3	73·5	25th	34·4	4th	39·1
	Dehra Dun	2,233	27·777	+·015	30·103	27·919	7th	27·442	31st	·477	47·9	68·1	+1·9	44·8	0	56·5	+1·0	23·3	75·5	25th	37·5	15th & 16th.	38·0
	V.—Punjab.																						
12	Delhi	718	29·358	+·022	30·098	29·499	5th & 7th.	28·968	31st	·531	50·7	69·4	−1·3	48·0	+0·1	58·7	−0·6	21·4	79·7	30th	41·7	17th	38·0
	Sirsa	662	29·406	+·012	30·092	29·577	5th	28·979	31st	·598	48·1	69·9	−1·1	44·4	+1·3	57·2	+0·1	25·5	80·3	30th	37·1	3rd	43·2
	Patiala	*818*	29·242		30·094	29·420	5th	28·905	30th	·515	49·7	67·9		42·2		55·1		25·7	75·2	8th	34·2	12th	41·0
	Ambala	892	29·160	+·033	30·093	29·310	7th	28·767	31st	·543	48·4	67·9	+0·1	44·8	+1·5	56·4	+0·8	23·1	75·0	30th	35·0	4th & 5th.	40·0
	Ludhiana	812	29·247	+·021	30·096	29·407	7th	28·864	31st	·543	48·4	66·3	−0·9	45·8	+1·5	56·1	+0·3	20·5	73·0	8th	40·5	5th	32·5
—	Lahore	702	29·349	0	30·085	29·531	5th	28·929	30th	·602	46·7	69·0	0	44·6	+3·9	56·8	+2·0	24·4	76·4	6th	37·2	2nd & 6th.	39·2
	Sialkot	830	29·225	+·022	30·096	29·388	5th	28·840	30th & 31st.	·548	48·4	67·2	+1·0	44·6	+1·8	55·9	+1·4	22·6	76·7	1st	35·1	6th	41·6
	Rawalpindi	1,674	28·354	+·008	30·137	28·526	5th	27·954	31st	·572	43·9	63·5	+0·4	40·6	+2·7	52·1	+1·6	22·9	69·9	3rd & 4th	33·1	6th	36·8
13	Khushab	612	29·471	+·016	30·106	29·651	5th	29·049	31st	·602	50·4	69·0	+1·4	44·8	+3·5	56·9	+2·5	24·2	76·9	6th	36·4	1st & 5th	40·5
	Montgomery	558	29·511	+·003	30·085	29·697	5th	29·067	31st	·630	48·1	70·5	+2·0	43·3	+1·1	56·9	+1·6	27·2	78·9	30th	36·1	15th	42·8
	Multan	420	29·659	−·015	30·081	29·849	5th	29·212	31st	·637	50·1	68·7	−1·5	46·5	+3·2	57·6	+0·9	22·2	76·3	22nd	40·0	14th	38·3
	VI.—North-West Frontier Province.																						
15	Peshawar	1,110	28·960	−·017	30·150	29·137	5th	28·541	31st	·596	44·6	62·8	−0·7	41·8	+2·2	52·3	+0·8	21·0	70·2	5th	36·4	2nd & 6th.	33·8
	D. I. Khan	590	29·507	0	30·100	29·702	5th	29·074	31st	·628	47·8	68·0	−1·1	43·7	+3·3	55·9	+1·1	24·3	75·8	16th	36·6	1st	39·2
	VII.—Sind.																						
17	Jacobabad	186	29·910	−·008	30·074	30·094	5th	29·504	31st	·590	49·9	71·7	−1·9	46·7	+3·4	59·2	+0·8	25·0	82·6	30th	37·3	1st	45·3
—	Hyderabad	96	30·019	+·006	30·075	30·171	5th	29·648	31st	·523	55·6	77·0	+0·2	51·5	+0·4	64·3	+0·3	25·5	92·1	30th	46·0	3rd	46·1
	Kurrachee	30	30·096	+·015	30·078	30·228	5th	29·735	31st	·493	58·9	77·1	+0·2	55·3	+0·8	66·2	+0·5	21·8	83·9	8th	49·2	2nd	34·7
	VIII.—Rajputana.																						
18	Bikaner	*771*	29·285	−·003	30·084	29·473	5th	28·863	31st	·610	51·5	72·0	+0·3	48·6	−0·8	60·3	−0·3	23·4	84·1	23rd	40·5	16th	43·6
	Jodhpur	782	29·291		30·109	29·453	5th	28·873	31st	·580	54·8	77·1		51·1		64·1		26·0	88·1	23rd	43·8	14th	44·3
	Pachpadra	*380*	29·672?	−·027?	30·034?	29·845	17th	29·299	31st	·546	50·6	78·1	−0·3	45·3	+0·2	61·7	−0·1	32·8	88·7	23rd	38·4	3rd	50·3
19	Jaipur	1,431	28·627	+·012	30·114	28·786	5th	28·198	31st	·588	52·8	74·4	−0·2	48·0	0	61·2	−0·1	26·4	81·2	26th & 30th.	40·1	14th & 17th.	41·1
	Sambhar	1,254	28·799	+·012	30·112	28·962	5th	28·389	31st	·573	48·8	73·2	−0·4	44·5	−0·9	58·9	−0·7	28·7	81·9	30th	36·5	3rd	45·4
	Ajmer	1,611	28·453	+·011	30·137	28·623	5th	28·047	31st	·576	50·1	72·9	−1·2	47·9	+2·4	60·4	+0·6	25·0	80·4	24th & 30th.	40·2	17th & 18th.	40·2
	Kotah	819 ?	29·243	+·005	30·118	29·376	5th & 17th	28·832	31st	·544	54·4	77·4	+0·4	50·8	+0·2	64·1	+0·3	26·6	87·0	31st	44·1	17th	42·9
	Udaipur	1,925	28·137		30·126	28·275	5th	27·787	31st	·488	54·5	76·8		47·6		62·2		29·2	83·5	23rd & 25th.	41·3	18th	42·2

N.B.—Elevations in Italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

* Mean of 30 days. † Mean of 21 days.

B—*continued.*

in India, etc., in January 1908—continued.

Wind direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual Percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 31st Jan. 1908.	Normal rainfall for period, 1st Dec. to 31st January.	Departure from normal of period, 1st Dec. 1907 to 31st Jan. 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IV.—United Provinces of Agra and Oudh—*concld.*
17	2		3	1		2	5	1	N 80° W	N 79° W	1·4	3·0	−1·6	10	−22	81	+ 2	·280	−·040	1·5	−0·4	1	1·60	−0·60	0·60	0·68	−0·08	0·60	0·85	−0·25	0·59	Cawnpore.
24			1	3		1	2		S 9° E	N 84° W	1·5	2·2	−0·7	9	−20	79	− 3	·282	−·038	4·1	+1·6	2	1·90	+0·10	1·12	0·96	+0·16	1·12	1·34	−0·22	0·82	Lucknow.
21	1		1	2		1		5	N 38° W	N 45° W	2·2	2·2	0	10	−13	86	− 1	·315	−·023	6·0	+4·6	3	1·90	+1·10	1·40	0·92	+0·48	1·40	1·26	+0·14	0·72	Bahraich.
18	2	2			2	5	1	1	S 69° W	N 68° W	2·3	2·1	+0·2	13	− 5	65	+ 3	·299	+·005P	1·5	−0·3	1	1·20	−0·20	1·32	0·62	+0·70	1·32	0·86	+0·46	1·25	Jhansi.
9		2		7		10		3	S 19° W	N 56° W	4·6	3·6	+1·0	27	− 5	72	0	·261	−·020	2·4	−0·2	1	1·20	−0·20	1·26	0·53	+0·73	1·26	0·82	+0·44	1·20	Agra.
7	1	2	4	2	2	4	5	4	S 75° W	N 59° W	1·8	1·6	+0·2	13	−15	76	0	·270	−·015	3·4	+0·8	1	1·50	−0·50	0·79	0·73	+0·06	0·79	1·07	−0·28	0·71	Mainpuri.
20			5				5	1	N 45° W	N 45° W	1·2	2·2	−1·0	3	−22	83	0	·291	−·006	5·3	+2·6	3	2·36	+0·64	0·90	1·05	−0·15	0·90	1·38	−0·48	0·60	Bareilly.
17	1			4		1	5	3	S 85° W	S 88° W	1·2	2·0	−0·8	16	−19	77	0	·268	+·005	3·2	+0·1	3	2·30	+0·70	0·83	1·35	−0·52	0·83	1·83	−1·00	0·35	Meerut.
24			1	2				4	N 18° W	N 53° W	2·2	2·1	+0·1	5	−11	85	0	·285	+·008	5·4	+2·4	3	2·80	+0·20	1·91	1·68	+0·23	1·91	2·29	−0·38	1·09	Roorkee.
31									‡	S 45° E	1·2§	1·6	−0·4			73	− 6	·244	−·019	4·4	−0·3	3	3·50	−0·50	1·17	2·38	−1·21	1·17	3·18	−2·01	0·66	Dehra Dun.
																																V.—Punjab.
2	1	1		8	1	1	14	3	S 71° W	S 87° W	4·6	2·9	+1·7	40	+ 5	73	+ 5	·269	+·010	4·0	+0·4	1	2·40	−1·40	1·53	1·23	+1·30	1·53	1·76	−0·23	0·53	Delhi.
19		1	2	3	2	1	1	2	S 33° E	N 36° W	2·1	3·4	−1·3	13	+ 2	79	+ 3	·265	+·014	2·5	−1·7	2	1·50	+0·50	0·65	0·84	−0·19	0·65	1·15	−0·50	0·41	Sirsa.
3	5	1	4	6			3	9	N 3° W					26		49		·294		3·4		2			2·10			2·10			1·48	Patiala.
15			2	4				10	N 28° W	N 48° W	2·9	1·9	+1·0	17	− 1	80	− 7	·274	−·010	4·0	+0·6	2	2·80	−0·80	1·18	1·62	−0·44	1·18	2·44	−1·26	0·64	Ambala.
5		2		8		1	3	12	N 55° W	N 59° W	2·2	1·7	+0·5	23	+ 4	79	− 3	·270	−·003	2·8	−1·7	3	2·60	+0·40	2·74	1·84	+0·90	2·74	2·62	+0·12	1·90	Ludhiana.
20	1		2	3	1	1	3		S 9° E	N 88° W	2·1	1·7	+0·4	9	+ 6	86	+ 4	·279	+·024	3·3	−0·7	2	1·90	+0·10	1·73	1·12	+0·61	1·73	1·50	+0·23	1·48	Lahore.
15	2	1	5	3	1		4		S 84° E	N 49° E	1·6	1·3	+0·3	12	+ 4	78	− 4	·271	+·002	2·8	−0·6	3	3·40	−0·40	1·77	2·51	−0·74	1·77	3·03	−1·26	1·18	Sialkot.
25	2	4							N 31° E	N 40° W	2·6	2·0	+0·6	20	+ 6	81	− 3	·241	+·011	5·5	+0·8	6	4·20	+1·80	2·08	2·74	−0·66	2·08	3·48	−1·40	1·07	Rawalpindi.
16	1	7	1	1	1	1	2	1	N 37° E	N 18° E	2·6	2·9	−0·3	17	+ 6	66*	− 4	·248*	+·035	3·8	+0·6	3	1·50	+1·50	1·20	0·82	+0·38	1·20	1·36	−0·16	0·63	Khushab.
5	1	4	7	3	1	2	4	4	N 60° E	N 18° E	4·2	3·4	+0·8	13	− 1	69	− 6	·233	−·013	3·4	−0·4	2	1·30	+0·70	0·36	0·84	−0·38	0·36	1·26	−0·90	0·23	Montgomery.
21	3	3		3				1	N 43° E	N 45° E	2·1	1·3	+0·8	20	− 3	79	+ 8	·284	+·040	3·1	−0·1	2	1·10	+0·90	0·40	0·45	−0·05	0·40	0·64	−0·24	0·27	Multan.
																																VI.—North-West Frontier Province.
15		1			3	6	5	1	S 57° W	S 18° W	1·5	2·5	−1·0	37	− 2	80	+ 7	·244	+·040	5·0	+0·3	5	2·90	+2·10	3·60	1·60	+2·00	3·60	1·93	+1·67	1·91	Peshawar.
24	1	2					2	2	N 28° W	N 37° W	1·3	1·4	−0·1	17	− 1	81	+12	·267	+·062	3·3	0	3	1·40	+1·60	2·63	0·44	+2·19	2·63	0·65	+1·98	1·70	D. I. Khan.
																																VII.—Sind.
17	4	1						9	N 27° W	N 22° E	2·0	2·2	−0·2	43	+25	78	+16	·283	+·065	3·5	0	1	1·00	0	1·15	0·27	+0·88	1·15	0·36	+0·79	1·09	Jacobabad.
8	9	3			1	1	2		7	N 15° W	N 7° E	5·4	7·0	−1·6	46	− 5	71	+13	·319	+·061	2·6	−0·6	1	0·70	+0·30	0·54	0·24	+0·30	0·54	0·29	+0·25	0·54	Hyderabad.
7	7	14	1					1	N 28° E	N 50° E	5·6	9·2	−3·6	66	− 8	72	+ 8	·369	+·040	3·2	+0·7	2	1·10	+0·90	0·85	0·66	+0·19	0·85	0·79	+0·06	0·73	Kurrachee.
																																VIII.—Rajputana.
3		1	4	8	9	3	2	1	S 20° E	N 22° W	4·1	3·7	+0·4	53	+31	64	+ 7	·247	+·018	4·5	+1·2	1	1·10	−0·10	0·41	0·39	+0·02	0·41	0·56	−0·15	0·23	Bikaner.
8	6	8	2	1	1	1		4	N 22° E		4·2			43		56		·240		3·5		1	0·90	+0·10	0·38	0·23	+0·15	0·38	0·38	0	0·35	Jodhpur.
20	2	2	2	1	1	2	1		N 80° E		2·9*	4·1	−1·2	6		68	+ 7	·262	+·024	0·3	−2·7	1	1·00	0	0·36	0·38	−0·02	0·36	0·50	−0·14	0·36	Pachpadra.
10	5	4	4	3		1	1	3	N 36° E	N 6° E	2·9§	3·3	−0·4	30	+ 1	62	− 4	·247	−·018	2·1	−1·0	2	1·50	+0·50	0·94	0·60	+0·34	0·94	0·79	+0·15	0·77	Jaipur.
21	2	3		1	3		1		N 77° E	N 34° E	P	4·1	P	6	− 8	73	+ 7	·262	+·019	2·1	−0·6	1	1·10	−0·10	0·41	0·39	+0·02	0·41	0·74	−0·33	0·29	Sambhar.
27			2		2				S	N 9° W	2·3	2·2	+0·1	9	− 9	73	0	·270	+·006	2·7	+0·2	2	1·30	+0·70	0·87	0·44	+0·43	0·87	0·71	+0·16	0·59	Ajmer.
25		1		1	1	3			S 13° W		1·2			10		63		·264		0·8		1	0·70	+0·30	0·47	0·18	+0·29	0·47	0·54	−0·07	0·47	Kotah.
23	2			1		2	2	1	N 80° W		2·9			10		69		·269		1·3		1	0·30	+0·70	0·23			0·23			0·15	Udaipur.

§ Uncorrected. * Mean of 30 days. ‡ Indeterminate.

Table

(2) *Abstract of observations taken at 8 hrs., at 238 stations*

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean, between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IX.—Bombay.																						
20	Deesa	466	29·604	+·008	30·057	29·744	5th	29·265	31st	·479	57·2	83·3	+0·2	51·0	−0·5	67·2	−0·2	32·3	90·3	22nd & 23rd.	46·4	16th	43·9
	Bhuj	395	29·692	+·015	30·064	29·826	5th	29·351	31st	·475	59·3	80·5	+0·1	54·2	−0·2	67·4	−0·1	26·3	90·1	22nd	47·5	17th	42·6
	Jamnagar	61	30·035		30·041	30·123	17th	29·724	31st	·399	59·9	78·5		51·0		66·2		24·5	85·8	23rd	45·5	1st	40·3
	Dwarka	37?	30·067		30·051	30·178	5th	29·757	31st	·421	66·3	78·0		59·4		68·7		18·6	85·3	7th	54·2	1st & 16th.	31·1
	Rajkot	429	29·658?	+·028?	30·062?	29·770	5th	29·368	31st	·402	61·9	83·4	−0·6	52·2	+1·1	67·8	+0·3	31·2	92·4	23rd	43·5	1st	48·9
	Veraval	*18*	30·050	+·009	30·010	30·132	5th	29·788	31st	·344	66·0	81·5	0	60·8	+2·0	71·2	+1·0	20·7	88·7	3rd & 6th.	54·3	13th	34·4
	Bhavnagar Para	55	30·037	−·004?	30·036	30·144	5th	29·747	31st	·397	60·9	85·3	+2·7?	54·5	−1·5?	69·2	+0·6?	30·8	93·1	31st	47·0	15th	46·1
	Surat	39	30·030	+·018	30·016	30·133	5th	29·781	31st	·352	63·1	87·1	+0·2	58·5	+2·0	72·8	+1·1	28·6	94·1	23rd	51·6	13th	42·5
	Ahmedabad	163	29·921	+·013	30·043	30·044	5th	29·625	31st	·419	62·5	85·0	+1·0	57·9	+0·9	71·5	+1·0	27·1	91·6	23rd	49·7	12th	41·9
26	Bombay	37	30·019	+·008	29·997	30·101	5th	29·815	31st	·286	70·9	33·4	+0·8	68·5	+0·6	76·0	+0·7	14·9	87·5	8th&23rd.	62·5	13th	25·0
	Ratnagiri	110	29·926	+·017	29·978	30·005	5th	29·758	31st	·247	72·8	87·1	−0·6	65·8	−0·4	76·5	−0·5	21·3	92·8	22nd	60·9	13th	31·9
	Goa	199	29·827	−·011?	29·969	29·894	5th	29·678	31st	·216	72·1	83·2	−3·7	68·5	+0·7	75·9	−1·5	14·7	88·5	9th	64·0	13th & 14th.	24·5
	Mormugao	*60*	29·985	+·026	29·981	30·057	5th	29·832	31st	·225	71·6	84·0	−1·8	69·5	+0·6	76·8	−0·6	14·5	89·0	9th	66·4	13th	22·6
	Karwar	44	29·989	+·010	29·968	30·050	5th	29·853	31st	·197	67·4	85·9	−1·0	64·8	−0·7	75·4	−0·9	21·1	91·3	8th	61·0	1st	30·3
27	Malegaon	1,430	28·635	+·020	30·092	28·740	5th	28·379	31st	·361	58·9	85·8	+0·2	50·4	−1·5	68·1	−0·7	25·4	93·4	31st	43·1	12th	50·3
	Ahmednagar	2,154	27·907	+·031	30·088	28·017	5th	27·676	31st	·341	61·6	83·7	−0·3	52·7	+2·0	68·2	+0·9	31·0	91·4	31st	44·5	7th	46·9
	Poona	1,846	28·212	+·022	30·084	28·310	5th	27·986	31st	·324	60·8	84·5	−1·4	51·4	−2·9?	68·0	−2·2?	33·1	90·5	31st	46·8	6th, 13th & 14th.	43·7
	Sholapur	1,590	28·455	+·009	30·046	28·561	5th	28·236	31st	·325	66·7	87·0	−0·7	58·8	+0·6	72·9	−0·1	28·2	93·3	31st	53·9	3rd	39·4
	Bijapur	*1,948*	28·095	+·019	30·046	28·185	5th	27·900	31st	·285	66·0	86·1	+0·9	58·4	+0·4	72·3	+0·7	27·7	91·2	31st	51·2	1st	40·0
	Belgaum	2,539	27·488	+·013	30·022	27·574	5th	27·317	31st	·257	64·6	83·2	−0·3	56·2	−1·3	69·7	−0·8	27·0	88·3	30th	46·6	13th	41·7
	X.—Central India.																						
21	Neemuch	1,624	28·440	+·024	30·120	28·562	5th	28·095	31st	·467	54·5	76·8	−0·8	48·1	−0·6	62·5	−0·7	28·7	84·0	24th	40·7	18th	43·3
	Indore	1,822	28·242	+·036	30·111	28·355	5th	27·950	31st	·405	57·3	79·2	−0·2	47·8	−2·0	63·5	−1·1	31·4	85·1	31st	41·1	14th	44·0
22	Nowgong	754	29·334	+·018	30·109	29·473	17th	28·965	31st	·508	49·8	72·4	−2·7	45·5	−1·5	59·0	−2·1	26·9	82·5	31st	39·0	3rd & 18th.	43·5
	Sutna	1,040	29·031	+·019	30·109	29·159	7th	28·684	31st	·475	51·0	74·2	−0·9	46·5	−1·1	60·4	−1·0	27·7	84·5	31st	41·2	5th.	43·3
	XI.—Central Provinces.																						
23	Buldana	2,132	27·927		30·067	28·035	5th	27·672	31st	·363	65·5	80·8		57·0		68·9		23·8	86·8	30th	51·0	16th	35·8
	Akola	930	29.145	+·026	30·081	29·263	7th	28·663	31st	·400	59·5	85·6	+0·4	51·3	−2·1	68·5	−0·9	34·3	92·7	31st	45·6	13th	47·1
	Amraoti	1,215	28·853	+·031	30·074	28·975	7th	28·572	31st	·403	63·7	84·3	−0·3	56·9	−0·9	70·6	−0·6	27·4	91·3	31st	52·3	14th	39·0
24	Khandwa	1,044	29·012	+·011	30·079	29·124	5th	28·724	31st	·400	55·2	84·5	+0·8	49·5	−2·3	67·0	−0·9	35·0	91·7	31st	43·1	6th	48·6
	Hoshangabad	1,006	29·085	+·034	30·122	29·203	5th & 7th	28·759	31st	·444	52·9	79·9	−0·4	47·4	−4·9	63·7	−2·7	32·5	88·6	31st	40·4	20th	48·2
	Saugor	1,807	28·245?	+·015?	30·099?	28·366	5th	27·926	31st	·440	56·5	75·7	−1·2	51·2	−0·6	63·5	−0·9	24·5	84·6	31st	35·0	17th	49·6
	Jubbulpore	1,327	28·737	+·020	30·115	28·866	5th	28·415	31st	·451	50·3	76·3	−1·3	44·7	−3·3	60·5	−2·3	31·6	86·0	28th & 31st.	36·3	18th	49·7
	Seoni	2,033	28·026	+·024	30·113	28·135	7th	27·731	31st	·404	56·2	79·2	0	48·8	−2·5	64·0	−1·3	30·4	87·8	31st	44·0	5th & 17th	43·8
	Nagpur	1,017	29·055	+·026	30·083	29·175	5th	28·768	31st	·407	58·7	82·8	−0·7	51·2	−4·4	67·0	−2·6	31·6	89·6	28th & 31st	44·1	19th	45·5
25	Pendra	2,123?	28·021		30·114	28·158	7th	27·733	31st	·325	55·3	74·9		48·7		61·8		26·2	83·3	27th	39·2	17th & 18th	44·1
	Raipur	970	29·106	+·026	30·088	29·222	7th	28·822	31st	·400	56·5	79·6	−2·0	47·8	−7·6?	63·7	−4·8?	31·8	87·2	31st	41·4	18th	45·8
	Chanda	*634*	29·438	+·016	30·055	29·562	7th	29·156	31st	·406	59·2	83·9	−1·5	50·8	−3·3	67·4	−2·4	33·1	93·0	31st	43·0	7th	50·0

N.B.—Elevations in italics indicate barometrical determinations.

NOTE 2.—The barometric readings are not reduced to sea-level, in the

B—*continued.*

***in India, etc., in January, 1908*—continued.**

Wind direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs, in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 31st Jan. 1908.	Normal rainfall for period, 1st Dec. to 31st January.	Departure from normal of period, 1st Dec. 1907 to 31st Jan. 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IX.—Bombay.
3	1	13	9	2	1	1	1		N 69° E	N 56° E	7·9*	8·5	−0·6	62	+ 4	55	+ 9	·285	+·038	1·0	−0·6	1	0·36	+0·64	0·29	0·15	+0·14	0·29	0·21	+ 0·08	0·29	Deesa.
9		1	2	3		5	3	8	N 84° W	N 45° W	6·6	6·5	+0·1	23	+ 5	75	+20	·382	+·067	1·3	0	0	0·10	−0·10	0·09	0·07	+0·02	0·09	0·14	— 0·05	0·09	Bhuj.
21			6			3		1	S 66° E		7·4			11		63		·326		0		0			0			0			0	Jamnager.
3	9	7	1			1	4	6	N 10° W		11·0			56		72		·474		0·8		1			0·11			0·11			0·11	Dwarka.
4	1	5	11	2	5	1		2	S 85° E	N 55° E	5·1	5·2	− 0·1	46	+ 4	53	0	·301	+·011	0·7	−0·3	1	0·20	+0·80	0·31	0·04	+ 0·27	0·31	0·08	+ 0·23	0·31	Rajkot.
3	12	15					1		N 23° E	N 20° E	7·4†	5·9	+1·5	82	+ 7	58	+ 6	·371	+·049	0·7	−0·3	1	0	+1·00	0·15	0	+ 0·15	0·15	0·09	+ 0·06	0·15	Veraval.
	3	1			1	9	4	13	N 74° W	N 85° W		6·9		62	— 3	65	— 2	·359	+·002	1·3	+0·2	0	0·10	−0·10	0·08	0·07	+ 0·01	0·08	0·14	−0·06	0·08	Bhavanagar Para.
3	9	2	10	1	2	1		3	N 46° E	N 5° E	3·8	4·9	−1·1	43	+ 1	62	− 2	·367	−·009	0·5	−0·2	1	0·20	+0·80	0·32	0·05	+ 0·27	0·32	0·06	+ 0·26	0·25	Surat.
1	4	13	6	4			1	2	N 53° E	N 48° E	5·8	4·3	+1·5	66	− 5	52	+ 5	·292	+·022	0·8	−0·9	0	0·10	−0·10	0·10	0·03	+ 0·07	0·10	0·10	0	0·07	Ahmedabad.
	2	16	11	2					N 63° E	N 58° E	8·5*	9·9	−1·4	86	+ 5	73	+ 1	·562	+·013	2·3	+1·4	0	0·10	−0·10	0·09	0·10	−0·01	0·09	0·16	−0·07	0·06	Bombay.
8	3	3	15	2					N 78° E	S 88° E	7·6	7·7	−0·1	62	+ 7	59	− 1	·473	−·006	1·8	+1·0	0	0·20	−0·20	0·09	0·15	− 0·06	0·09	0·20	− 0·11	0·09	Ratnagiri.
1		9	20	1					N 78° E	N 75° E		5·6		92	+ 5	72	+ 5	·566	−·001	2·0	+1·6	0			0	0·19	− 0·19	0·07	0·25	−0·18	0	Goa.
2	1	9	16	3					N 78° E	S 84° E	8·3*	8·2	+0·1	79	+ 2	81	0	·625	−·008	2·5	+2·1	0			0	0	0	0	0	0	0	Mormugao.
14	6	10		1					N 32° E.	N 62° E	3·9*	3·5	+0·4	49	−38	86	+ 7	·583	+·050	1·8	+1·4	0	0·10	−0·10	0	0·09	− 0·09	0	0·16	− 0·16	0	Karwar.
24	1	1			1	2	1	1	W	N 68° W	4·6	5·1	−0·5	8	−57	38	−20	·195	−·112	0·5	−0·8	0	0·10	−0·10	0	0·11	− 0·11	0	0·37	− 0·37	0	Malegaon.
25					1		5	N	56° W	N 5° W	4·4	5·9	−1·5	17	+10	40	−21	·222	−·121	0·6	−0·3	0	0·20	−0·20	0	0·01	− 0·01	0	0·51	− 0·51	0	Ahmednagar
30						1			W	S 70° W	4·0*	6·2	−2·2	3	−65	53	− 4	·289	−·019	1·9	+1·1	0	0·20	−0·20	0	0·04	−0·04	0	0·23	−0·23	0	Poona.
4	2	3	3	13	1				S 72° E	S 66° E	8·4	7·8	+0·6	66	+11	51	+ 3	·338	+·013	2·5	+1·5	0	0·20	−0·20	0	0·07	− 0·07	0	0·50	− 0·50	0	Sholapur.
	4	3	5	14	2			3	S 76° E	S 59° E	4·6	4·2	+0·4	53	+ 9	61	− 7	·391	−·064	2·1	+0·9	0	0·20	−0·20	0	0	0	0·40	0·03	+ 0·37	0	Bijapur.
16	2	2	6	3			1		N 77° E	S 81° E	6·5*	10·0	−3·5	30	−13	63	+ 7	·374	+·018	2·3	+1·4	0	0·20	−0·20	0	0·04	− 0·04	0·03	0·16	− 0·13	0	Belgaum.
																																X.—Central India.
3	12	7	3	1	2	2		1	N 26° E	N 48° E	5·2	6·5	−1·3	53	+ 3	57	0	·215	−·019	1·3	−0·3	1	0·40	+0·60	0·34	0·21	+ 0·13	0·34	0·49	− 0·15	0·34	Neemuch.
17		7	2	1	2	1	1		N 75° E	N 36° E	2·3	2·4	−0·1	23	+12	60	− 2	·292	−·006	1·6	+0·2	1	0·40	+0·60	0·28	0·13	+ 0·15	0·28	0·33	− 0·05	0·27	Indore.
7	2	1	4	1	9	4	1	2	S 1° E	N 56° W	1·4	1·4	0	27	+ 1	80	+ 4	·287	−·021†	2·3	0	1	1·70	−0·70	0·96	0·71	+ 0·25	0·96	1·26	−0·30	0·96	Nowgong.
13						9	9	N	67° W	N 20° W	2·0	4·1	−2·1	53	+17	68	− 2	·257	−·035	3·9	+2·7	2	1·80	+0·20	0·79	0·92	− 0·13	0·79	1·35	−0·56	0·63	Sutna.
																																XI—Central Provinces.
2	1	2	4	10	5	2	2	3	S 38° E		5·3‖	5·7	−0·4	36		34		·216		1·3		0			0	0·22	−0·22	0‡	0·81	−0·81	0	Buldana.
6		3	10	7	1	2	1	1	S 72° E	S 84° E	3·6	3·7	−0·1	49	+14	42	−13	·225	−·073	1·9	+0·7	0	0·70	−0·70	0	0·33	− 0·33	0	1·08	− 1·08	0	Akola.
	1	12	12		2	1	2	1	N 67° E	N 87° E	5·5	4·2	+1·3	59	− 2	37	−15	·218	−·109	1·5	+0·3	0	0·90	−0·90	0	0·35	− 0·35	0	0·92	− 0·92	0	Amraoti.
19	1	3	4	2	2				S 88° E	N 39° E	3·2	3·3	−0·1	24	+ 1	47	− 9	·207	−·068	2·5	+1·5	0	0·50	−0·50	0	0·26	− 0·26	0	0·69	− 0·69	0	Khandwa.
18		5	10	3					N 84° E	N 63° E	2·4	2·8	−0·4	53	− 4	62	− 5	·257	−·056†	2·4	+1·0	0	0·80	−0·80	0·07	0·26	− 0·19	0·07	0·79	− 0·72	0·07	Hoshangabad
13		2	5	6	4	1			S 53° E	S 84° E	4·3	3·5	+0·8	43	+14	56	− 3	·248	−·032	2·4	+1·1	1	1·50	−0·50	0·70	0·64	+ 0·06	0·70	1·34	− 0·64	0·70	Saugor.
15			1	5	8		1	1	S 15° E	S 63° E	1·6	2·0	−0·4	37	+ 1	69	− 6	·252	−·069	1·7	0	1	1·40	−0·40	0·66	0·72	− 0·06	0·66	1·05	−0·39	0·61	Jubbulpore.
16	4	5	1		2	2		1	N 27° E	N 39° E	4·3	2·6	+1·7	20	−12	57‖	−10	·262‖	−·077	1·2	−0·4	0	1·20	−1·20	0·02	0·53	− 0·51	0·08	1·05	− 0·97	0·02	Seoni.
4	16	4		1			2	4	N 4° W	N 13° E	2·4	3·5	−1·1	69	+37	50	−11	·253	−·095	1·1	−0·2	1	1·00	0	0·32	0·43	− 0·11	0·41	0·91	− 0·50	0·32	Nagpur.
14	7	2			3	2		3	N 19° W		4·5			20		56		·243		1·3		2			0·71			0·87			0·42	Pendra.
23	3	2	2	1					N 48° E	N 13° E	3·0	2·7	+0·3	20	+10	59	− 3	·274	−·073	0·3	−1·1	1	0·80	+0·20	0·14	0·20	− 0·06	0·51	0·45	+ 0·06	0·14	Raipur.
15	3	1	2	3	2	1		4	N 38° E	N 68° E	2·5	2·0	+0·5	7	−21	63	− 8	·327	−·070	1·8	+0·7	0	0·60	−0·60	0·06	0·30	− 0·24	0·03	0·64	− 0·55	0·01	Chanda.

cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

* Uncorrected reading.

† Mean of 28 days.
‖ ,, 20 ,,
‡ Rainfall since 1st January.

Table

(2) *Abstract of observations taken at 8 hrs., at 238 stations*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean, between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XII.—Hyderabad.																						
28	Aurangabad	1,905	28·174		30·092	28·273	5th	27·942	31st	·331	65·0	84·5		54·2		69·4		30·3	91·7	13th	44·2	13th	47·5
	Nizamabad	1,260	28·803		30·061	28·917	5th	28·573	31st	·344	66·2	81·7		54·7		69·7		30·0	91·9	31st	50·2	3rd, 4th & 9th.	41·7
	Bidar	*2,165*	27·889		30·052	27·977	8th	27·664	31st	·313	67·1	81·9		61·1		71·5		20·8	89·5	31st	57·1	13th	32·4
29	Gulbarga	1,502	28·554	+·023	30·056	28·652	5th	28·338	31st	·314	66·1	87·1	+0·4	59·1	+0·6	73·1	+0·5	28·0	93·0	31st	51·8	2nd	41·2
	Raichur	*1,311*	28·745	+·032	30·041	28·857	5th	28·565	31st	·292	69·8	85·7	-1·0	64·1	+0·7	74·9	-0·2	21·6	93·1	31st	58·1	20th	35·0
	Hyderabad (Deccan).	1,690	28·360	+·014	30·062	28·467	8th	28·157	31st	·310	63·4	83·7	-0·8	58·9	+0·8	71·3	0	24·8	90·8	31st	53·7	1st & 4th	37·1
	Hanumkonda	871	29·186		30·040	29·298	5h	28·969	3 t	·329	65·5	82·0		60·4		71·2		21·6	89·0	31st	53·7	4th	35·3
	XIII.—Mysore.																						
30	Chitaldroog	2,405	27·636	+·017	30·017	27·720	7th	27·478	31st	·242	69·0	84·9	+1·1	61.6	+0·5	73·3	+0·8	23·3	89·6	31st	55·9	9th	33·7
	Hassan	3,149	26·932	−·027‡	30·054‡	27·004	2nd	26·787	31st	·217	64·4	82·5‡	+0·9‡	57·2‡	+3·1‡	69·9‡	+2·0	25·3	85·7	13th	52·3	24th	33·4
	Bangalore	3,021	27·046	+·008	30·045	27·126	5th	26·892	31st	·234	64·5	81·5	+1·3	58·8	+2·0	70·2	+1·7	22·7	88·3	13th	53·8	21st & 23rd	34·5
	Mysore	2,518	27·541	+·019	30·036	27·626	5th	27·402	31st	·224	68·3	84·4	+0·4	61·1	+1·8	72·8	+1·1	23·3	89·0	15th	55·5	21st & 22nd	33·5
	XIV—Madras.																						
31	Mangalore	65	29·978	+·024	29·976	30·045	5th	29·813	31st	·202	76·6	86·3	−2·2	70·5	+1·0	78·4	−0·6	15·8	90·7	5th & 9th	66·9	24th	23·8
	Calicut	27	30·003	+·019	29·960	30·070	5th	29·876	31st	·194	75·7	88·1	+0·5	70·9‡	+1·3	79·5‡	+0·9	17·2	89·4	5 days.	66·1	24th	23·3
	Cochin	9	30·010	+·018	29·948	30·078	5th	29·905	31st	·173	75·0	89·9	+0·8	72·8	+1·3	81·4	+1·1	17·1	94·3	8th	68·2	25th	26·1
	Trivandrum	198	29·816	+·044	29·947	29·883	5th	29·697	31st	·186	75·7	83·8	+0·4	72·7	+1·5	78·3	+1·0	11·1	85·5	8th	68·0	3rd 23rd& 25th.	17·5
32	Tinnevelly	168	29·907	+·036	30·007	30·000	5th	29·768	31st	·232	76·2	88·3	+0·6	71·7	+0·1	80·0	+0·4	16·6	93·8	30th	66·9	21st	26·9
	Pamban	37	30·027	+·040	29·991	30·105	5th	29·891	31th	·214	77·3	82·3	+0·4	74·6	−0·2	78·5	+0·1	7·7	85·3	18th	71·2	22nd	14·1
	Madura	447	29·631	+·047	30·024	29·720	5th	29·493	31st	·227	75·2	87·7	+0·2	69·2	+0·6	78·5	+0·4	18·5	92·4	29th	63·6	21st	28·8
	Periyakulam	944									72·1	86·7		66·2		75·7		20·4	90·4	15th	58·4	22nd	32·0
	Pudukkottai	318	29·756		30·014	29·843	5th	29·621	31st	·227	73·3	87·3		67·4		77·4		19·9	91·8	14th	61·9	24th	30·0
	Negapatam	31	30·023	+·021	29·983	30·107	5th	29·894	31st	·213	76·1	84·0	+2·2	71·9	+1·1	78·0	+1·7	12·1	87·4	31st	62·0	21st	25·4
	Trichinopoly	255	29·824	+·036	30·018	29·916	5th	29·683	31st	·233	74·9	88·0	+0·6	68·6	+1·4	78·3	+1·0	19·4	91·6	29th & 30th.	60·8	21st	30·8
	Coimbatore	1,348	28·705	+·022	30·032	28·792	5th	28·575	31st	·217	70·1	85·8	−1·0	65·4	+1·5	75·6	+0·3	20·4	90·4	13th & 14th.	58·3	21st	32·1
	Salem	940	29·139	+·013	30·041	29·238	5th	28·999	21st	·239	73·6	89·3	+1·0	67·1	+3·4	78·2	+2·2	22·2	94·2	30th	59·9	21st	34·3
	Cuddalore	37	30·034	+·027	30·002	30·121	5th	29·895	31st	·226	73·0	83·6	+0·3	68·7	+1·4	76·2	+0·9	14·9	87·1	31st	61·2	20th	25·9
	Vellore	707	29·377		30·050	29·483	5th	29·229	31st	·254	68·3	84·7		66·1		75·4		18·6	90·2	14th	59·3	20th	30·9
	Madras	22	30·065	+·024	30·018	30·165	5th	29·899	31st	·266	73·8	84·4	−0·3	68·2	+0·8	76·3	+0·3	16·2	88·6	30th	60·5	20th	27·5
33	Cuddapah	453	29·640	+·022	30·023	29·748	5th	29·441	31st	·307	73·4	88·7	+0·3	66·1	+1·7	77·4	+1·0	22·6	95·2	30th & 31st.	60·1	9th	35·1
	Bellary	1,475	28·566	+·011	30·034	28·665	8th	28·386	31st	·279	67·2	88·7	+1·1	62·5	+2·0	75·6	+1·6	26·2	94·5	30th	57·3	28th	37·2
	Kurnool	923	29·119	+·001?	30·023	29·233	7th	28·926	31st	·307	66·7	88·6	−0·1	61·0	+2·3	74·8	+1·1	27·o	94·2	31st	53·1	20th	41·1
34	Nellore	61	30·032	+·036	30·027	30·142	5th	29·853	31st	·289	71·7	84·3	−1·7	66·1	−0·2	75·2	−1·0	18·2	89·3	30th	61·1	20th	28·2
	Masulipatam	15	30·097	+·040	30·047	30·214	7th	29·905	31st	·309	70·3	80·5	−3·0	65·0	−0·3	72·8	−1·7	15·5	84·1	13th & 31st.	60·1	19th	24·0
	Cocanada	26	30·081	+·032	30·043	30·197	7th	29·888	31st	·309	68·9	79·5	−1·5	64·6	−0·7	72·1	−1·1	14·9	86·6	13th & 31st.	59·0	4th	27·6
	Waltair (Vizag.)	*226*	29·868	+·017?	30·042	29·981	7th	29·667	31st	·314	70·6	78·3		65·8		72·1		12·5	82·4	30th	59·9	20th	22·5
	Calingapatam	19	30·097		30·056	30·213	7th	29·892	31st	·321													
	Gopalpur	72	30·046	+·048	30·062	30·177	7th	29·809	31st	·368	62·9	76·8	−3·5	59·1	−2·1	68·0	−2·8	17·7	80·7	29th	53·0	5th	27·7

* Mean of 29 days.

‡ Mean of 30 days.

N.B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau.

B—*continued.*

***in India, etc., in January, 1908*—continued.**

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal	Total rainfall from 1st Dec. 1907 to 31st Jan. 1908.	Normal rainfall for period, 1st Dec. to 31st January.	Departure from normal of period, 1st Dec. 1907 to 31st Jan. 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																XII.—Hyderabad.
10		6	11			1	2	1	N 71° E		8·1			43		42		·257		1·1		0	0·20	−0·20	0	0·26	−0·26	0	0·59	− 0·59	0	Aurangabad.
26		2			1	2			S		2·4			3		52		·335		1·9		0	0·20	−0·20	0	0·09	−0·09	0·52	0·23	+ 0·29	0	Nizamabad.
4	1	3	2	10	3	7	1		S 23° E		4·2			42		55		·364		0·7		0	0·10	−0·10	0	0·02	− 0·02	0·54	0·54	0	0	Bidar.
1	1	7	16	4	1	1			N 87° E	S 86° E	7·3	7·1	+0·2	76	+44	49	− 8	·315	−·061	1·7	+0·6	0	0·20	−0·20	0	0·07	− 0·07	0·28	0·07	+ 0·21	0	Gulbarga.
7		5	5	11		1		2	S 76° E	S 55° E	7·9	8·1	−0·2	49	− 4	56	− 7	·418	−·031	2·9	+1·4	0	0·10	−0·10	0·05	0	+ 0·05	0·05	0	+ 0·05	0·05	Raichur.
31									(a)	S 51° E	1·8	3·6	−1·8			68	− 7	·405	−·049	3·0	+1·6	0			0·02	0·06	− 0·04	0·80	0·23	+ 0·57	0·02	Hyderabad (Deccan).
13	2			12	8			1	S 42° E		4·3*			40		69		·436		2·7		3	0·20	+2·80	3·35			3·63			1·84	Hanumikonda.
																																XIII.—Mysore.
7	1	2	10	7		2		2	S 79° E	S 69° E	4·8	6·7	−1·9	46	− 9	63	+ 5	·448	+·026†	1·8	+0·3	0	0·30	−0·30	0	0·01	− 0·01	0·99	0·10	+ 0·89	0	Chitaldroog.
7		3	8	8	2	1		2	S 70° E	S 80° E	3·6	2·9	+0·7	48	−21	77‡	+ 5	·473‡	+·013	2·8	+0·1	0	0·10	−0·10	0	0	0	0·61	0·18	+ 0·43	0	Hassan.
		2	21	5	1		1	1	S 84° E	N 87° E	7·4	5·3	+2·1	79	− 3	81	+ 3	·497	+·039	2·8	−0·2	3	0·10	+2·90	4·01	0·14	+ 3·87	4·50	0·62	+ 3·88	2·59	Bangalore.
1	1	5	13	5	2	1	2	1	S 87° E	N 72° E	7·6	8·8	−1·2	56	−14	70	− 3	·491	+·007	3·3	+0·8	1	0·10	+0·90	0·83	0	+ 0·83	1·24	0·17	+ 1·07	0·83	Mysore.
																																XIV.—Madras.
3	2	2	23	1					N 84° E	S 85° E	4·9†	3·1	+1·8	82	+ 4	70	− 1	·649	+·048	1·7	+0·1	0	0·10	−0·10	0	0·05	− 0·05	0·52	0·50	+ 0·02	0	Mangalore.
2	2	7	16	3	1				N 81° E	N 86° E	7·5	8·4	−0·9	76	− 7	76	− 1	·673	+·012	1·5	+0·1	0	0·30	−0·30	0	0·19	− 0·19	0·89	1·16	− 0·27	0	Calicut.
2		15	12	2					N 69° E	N 42° E	6·4†	5·1	+1·3	82	+ 1	74	+ 2	·646	+·005	2·0	+0·6	1	1·00	0	0·80	0·54	+ 0·26	2·05	2·20	− 0·15	0·75	Cochin.
20	1	3	4					3	N 38° E	N 44° E	2·8†	4·0	−1·2	23	−27	75	− 2	·679	+·002	2·4	−0·5	1	1·30	−0·30	0·19	0·63	− 0·44	4·90	2·87	+ 2·03	0·13	Trivandrum.
1	13	6					4	7	N 12° W	N 19° W	3·2	5·1	−1·9	76	− 7	77	− 1	·685	−·013	5·2	+2·7	3	1·50	+1·50	0·64	1·02	− 0·38	2·19	4·77	− 2·58	0·24	Tinnevelly.
1	7	14	5				1	3	N 32° E	N 15° E	12·4	11·4	+1·0	76	+32	86		·801		4·3		6	2·20	+3·80	1·93	1·33	+ 0·60	7·21	11·64	− 4·43	0·44	Pamban.
	10	11	5					5	N 23° E	N 3° E	8·4	5·1	+3·3	76	− 3	79	+ 5	·690	+·058	4·7	+1·9	0	0·80	−0·80	0·12	0·24	− 0·12	1·15	2·11	− 0·96	0·06	Madura.
24		3	4						N 72° E		1·8			23		74		·587		5·2		5	0·90	+4·10	5·72	0·63	+ 5·09	7·39	2·19	+ 5·20	2·50	Periyakulam.
	11	13	1				1	5	N 14° E		9·6			81		81		·671		4·7		0			0·12			1·07			0·07	Pudukkottai.
	1	11	2	1			1	15	N 3° W	N 1° W	13·0†	7·8	+5·2	62	+ 1	79	− 3	·720	+·006	4·5	−1·0	8	1·90	+1·10	1·11	1·37	− 0·26	3·40	14·16	−10·76	0·58	Negapatam.
9	11	8	1					2	N 16° E	N 18° E	4·1†	4·4	−0·3	62	+14	77	0	·671	+·039	3·6	+0·6	0	0·60	−0·60	0	0·27	− 0·27	1·42	3·03	− 1·61	0	Trichinopoly.
4	2	11	11	1			2		N 62° E	N 67° E	4·3	2·9	+1·4	62	−10	78	− 6	·580	−·038	3·6	+1·1	2	0·50	+2·50	2·34	0·16	+ 2·18	4·90	1·29	+ 3·61	1·80	Coimbatore.
2	1	10	17				1		N 71° E	N 50° E	6·6	4·8	+1·8	79	+37	75	0	·631	+·046	4·7	+2·3	0	0·30	−0·30	0	0·23	− 0·23	1·04	1·49	− 0·45	0	Salem.
1	9	3					3	15	N 28° W	N 21° W	7·6	2·6	+5·0	82	+ 3	85	− 3	·695	−·015	3·9	−0·3	1	1·20	−0·20	0·26	0·80	− 0·54	3·60	8·99	− 5·39	0·14	Cuddalore.
28	1						1	1	N 45° W		4·0†			10		85		·598		2·8		1	0·70	+0·30	0·10	0·42	− 0·32	1·32	3·37	− 2·05	0·10	Vellore.
9	10	2	2	1	1	1		5	N	N 16° E	4·5†	5·7	−1·2	40	−18	87	+ 5	·737	+·048	3·6	+0·2	0	2·10	−2·10	0·02	0·52	− 0·50	6·51	6·54	− 0·03	0·01	Madras.
	2	4	6	16	1	1		1	S 68° E	S 65° E				66	+12	74	− 1	·615	+·034	2·3	+0·8	0	0·20	−0·20	0	0·16	− 0·16	0·78	1·30	− 0·52	0	Cuddapah.
8	1	1	3	2	8	3	2	3	S 8° W	S 36° E	3·2	3·6	−0·4	27	−15	64	− 2	·427	−·028	2·5	+0·9	1	0·10	+0·90	0·56	0·09	+ 0·47	0·58	0·20	+ 0·38	0·56	Bellary.
24		2	3		1			1	N 73° E	S 80° E	4·4†			13	+ 9	74	+ 6	·493	+·031	1·7	+0·5	1	0·20	+0·80	0·18	0·07	+ 0·11	0·52	0·19	+ 0·33	0·18	Kurnool.
2	1	5	5	9	3			6	S 87° E	N 51° W	4·3†	3·7	+0·6	37	−14	87	+ 1	·684	+·009	3·9	+0·2	4	0·50	+3·50	2·20	0·55	+ 1·65	10·99	2·19	+ 8·80	1·15	Nellore.
20	1	2	4	1	3				S 78° E	N 14° E	5·5	4·6	+0·9	20	−55	84	− 2	·626	−·017	2·2	+0·4	2	0·30	+1·70	3·16	0·07	+ 3·09	4·86	0·85	+ 4·01	3·00	Masulipatam.
4	4	12						11	N 2° E	N 7° W	7·4	7·8	−0·4	66	−15	81	+ 8	·583	+·041†	4·5	+2·8	2	0·40	+1·60	1·38	0·11	+ 1·27	4·45	0·91	+ 3·54	1·26	Cocanada.
3	2	10				2	10	4	N 35° W	N 78° W	7·4			40	− 9	67	+ 1	·508	−·044	3·7	+2·3	4	0·60	+3·40	6·52	0·16	+ 6·36	7·30	1·96	+ 5·34	5·20	Waltair (Vizagapatam)
	4	5		2	5	3	5	7	N 60° W		6·1			26						2·5		5			1·57			2·28			1·00	Calingapatam.
	16	1					1	13	N 20° W	N 21° W	9·5	8·4	+1·1	92	+11	80	+ 3	·460	−·039	1·9	+0·5	2	0·40	+1·60	2·12	0·12	+ 2·00	3·96	0·87	+ 3·09	1·86	Gopalpur.

tations, the elevations of which exceed 3,290 feet.

† Uncorrected. ‡ Mean of 30 days. (a) Indeterminate.

Table

(2) *Abstract of observations taken at 8 hrs., at 238 stations*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	A bsolute range during month.
1		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Stations in the Bay																						
1	P. V. Fraser ‡	*8*	30·084?		30·008?	30·198	17th	29·908	31st	·290	69·7												
	Car Nicobar	25	29·915?		29·867?	30·012	23rd	29·838	31st	·174	81·7	86·0		76·4		81·2		9·6	87·4	28th	69·3	20th	18·1
	Port Blair	61	29·984	+·048	29·976	30·049	8th	29·887	31st	·162	77·2	85·7	−0·7	74·5	−1·1	80·1	−0·9	11·2	88·2	15th	68·0	20th & 21st,	20·2
	Slipper Island	90	29·937		29·961	30·005	9th	29·818	31st	·187	77·1	83·4		74·3		78·9		9·1	86·1	12th	71·6	30th & 31st.	14·5
	Kashmir.																						
14	Srinagar	5,204	24·996	−·001	24·957	25·113	17th	24·564	31st	·579	32·6	48·1	+9·1	29·7	+3·3	38·9	+6·2	18·4	55·1	6th	19·6	6th	35·5
	Gulmarg	*8,569*						Observations		not	received.												
	Sonemarg	*8,764*	21·814		21·782	21·937	6th	21·553	31st	·384	22·8	38·8		18·1		28·5		20·7	45·4	18th	0·1	13th	45·3
	Dras	*10,059*	20·806		20·774	21·034	17th	20·345	31st	·689	9·5	27·4		2·6		15·0		24·8	25·9	6th & 22nd.	−25·0	28th	60·9
	Leh	11,503	19·683	+·022	19·651	19·892	17th	19·235	31st	·657	17·5	36·0	+6·2	14·2	+5·4	25·1	+5·8	21·8	45·6	23rd	4·0	15th	41·6
	Skardu	*7,505*	22·959		22·929	23·223	17th	22·470	31st	·753	27·6	41·6		25·5		33·6		16·1	48·9	24th & 25th.	16·1	16th	32·8
	Minimarg	*9,359*	21·363		21·331	21·532	17th	20·928	31st	·604	19·1	36·8		14·3		25·5		22·3	50·3	25th	3·0	13th	47·3
	Astor	*7,955*	22·598		22·568	22·796	6th	22·120	31st	·676	27·0	40·2		23·4		31·8		16·8	49·4	6th	12·5	14th	36·9
	Gilghit	4,890	25·279		25·252	25·542	17th	24·806	31st	·736	39·2	49·2	+4·0	36·2	+4·6	42·7	+4·3	13·0	54·7	3rd & 22nd.	30·2	1st	24·5
	Baluchistan.																						
16	Quetta	5,502	24·711	+·024	24·671	24·876	5th	24·377	31st	·499	34·0	54·5	+3·2	30·7	+1·4	42·6	+2·3	23·8	65·6	19th	21·8	1st	43·8
	Chaman	4,311	25·782	+·010	25·744	25·936	5th	25·503	31st	·433	42·9	58·1*	+4·7	39·2	+4·5	48·8*	+4·6	18·9	68·3	21st	28·3	31st	40·0
	Robat		26·972		26·930	27·132	23rd	26·821	20th	·311	47·6	59·6		43·4		51·5		16·2	71·5	21st	34·2	1st	37·3
	Hill Stations exclusive Kashmir and Baluchistan.																						
	Chitral	*5,486*									36·0	49·2							56·1	6th			
	Para Chinar	6,900	24·452		24·419	24·609	5th	24·062	31st	·547	37·9	50·9		33·0		42·0		17·9	61·2	20th	27·4	1st	33·8
	Cherat	*4,256*	25·799	+·030	25·767	25·937	5th	25·429	31st	·508	45·1	51·4	+2·2	42·3	+4·4	46·9	+3·3	9·1	57·3	5th	36·0	11th	21·3
	Murree	6,333	23·898	+·029	23·861	24·020	5th	23·513	31st	·507	41·7	48·5	+1·3	37·7	+2·5	43·1	+1·9	10·8	58·8	18th	30·9	12th	28·8
	Kailang	*10,087*	20·981		20·936	21·193	17th	20·562	31st	·631	21·5	39·5	+5·2	18·4	+3·9	29·0	+4·6	21·1	47·6	21st	9·0	14th	38·6
	Simla	7,224	23·140	+·028	23·102	23·267	7th & 8th,	22·828	31st	·439	41·9	49·4	+4·9	38·4	+3·9	43·9	+4·4	11·0	55·4	9th & 25th.	29·1	12th	26·3
	Sarain		23·201			23·336	8th	22·891	31st	·445	23·8	50·1		30·4		40·3		19·7	57·6	3rd & 19th.	22·6	13th & 15th.	35·0
	Kalabagh							Observations		not	received.												
	Chakrata	7,022	23·330	+·031	23·290	23·462	5th	23·045	31st	·417	41·8	56·4	+5·8	38·5*	+2·3	47·4*	+4·1	17·9	65·3	21st	29·7	12th & 13th.	35·6
	Muktesar	7,556	22·896		22·855	23·029	8th & 9th.	22·654	31st	·375	41·7	52·1		37·3†		44·4†		14·8	59·5	9th	26·9	12th	32·6
	Darjeeling	7,376	23·072	+·053	23·027	23·182	8th	22·926	28th	·256	40·4	48·6	+1·8	35·4	+0·6	42·0	+1·2	13·2	53·3	19th & 24th.	31·7	14th & 29th.	21·6
	Shillong	4,909	25·210		25·162	25·320	8th	25·056	30th	·264	44·9	60·0		38·4		49·2		21·6	63·9	12th	32·7	19th & 20th.	31·2
	Cherra Poonjee	4,309	25·780		25·731	25·892	8th	25·630	30th	·262	50·6	59·8		P		P		P	63·2	12th			
	Maymyo	3,545	26·562		26·507	26·674	7th	26·399	30th	·275	50·7	68·6		41·8		55·2		26·8	71·9	27th	33·6	20th	38·3
	Pachmarhi	3,528	26·565	+·008	26·512	26·675	5th	26·294	31st	·381	50·7	72·1	+0·8	44·3	−3·2	58·2	−1·2	27·8	78·7	31st	37·6	18th	41·1
	Mount Abu	3,945	26·143	+·005	26·093	26·284	5th	25·818	31st	·466	57·0	65·4	−1·2	51·1	−0·1	58·3	−0·7	14·3	75·2	23rd	41·4	11th & 15th,	33·8
	Mercara	3,781	26·315	+·022	26·268	26·372	5th	26·191	31st	·181	61·5	78·6	+0·3	57·3	+0·7	67·7	+0·5	20·7	82·0	31st	54·0	23rd & 24th.	28·0
	Ootacamund	*7,329*	23·118		23·054	23·166	5th & 8th.	23·013	31st	·148	52·0	64·7		41·3		53·0		23·4	70·5	26th	34·7	21st	35·8
	Kodaikanal	7,698	22·885		22·820	22·940	5th	22·770	31st	·170	53·8	63·6		47·8		55·7		15·8	73·0	26th	42·5	21st	30·5

* Mean of 30 days. † Mean of 27 days.

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hills

N.B.—Elevations in italics indicate barometrical determinations.

B—*continued.*

in India, etc., in January, 1908—continued.

Wind direction. number of winds from											Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.							Heaviest rainfall during month.	Station.
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Mean velocity miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs., in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to Jan. 1908.	Normal rainfall for period, 1st Dec. to 31st January.	Departure from normal of period, 1st Dec. 1907 to 31st Jan. 1908.		
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Stations in the Bay.
	11	2	1		1	2	1		N					6		76		·553		3·7		1			0·17			0·17b			0·15	P.V.Fraser ‡ (c)
	5	12			1	1			N 34° E		5·2¶			79		75		·812		8·6		2			0·56			9·43			0·46	Car Nicobar.
2	7	10	5					7	N 20° E	N 23° E	6·6§	6·5	+0·1	69	+ 3	79	− 2	·747	− ·034	4·0	−0·1	2			0·82	1·02	− 0·20	10·49	7·64	+ 2·85	0·56	Port Blair.
3	10	8	5		1			4	N 21° E		8·9			62		71		·668		3·6		0			0			14·29			0	Slipper Island.
																																Kashmir.
9	3	1	2	6	1	2	1	6	N 15° E	S 26° E	2·9	3·1	−0 2	4	−14	82	− 9	·153	+ ·004	7·1	−0·8	7	6·40	+0·60	1·88	3·49	− 1·61	1·91	4·40	− 2·49	0·51	Srinagar.
																	Observations not received															Gulmarg.
17	1		5	4	1	2		1	S 58° E		2·3			27		93		·118		6·3		13			14·17			14·40			3·58	Sonemarg.
81									(a)		0·4					82		·068		6·1		11	8·70	+2·30	3·04	3·98	− 0·94	3·13	6·17	− 3·04	0·64	Dras.
26		2	2	1					N 80° E	S 13° W	2 3§	1·0	+1·3	13	−25	56	+ 3	·058	+ ·022	7·4	+0·7	0	0·80	−0·80	0·10	0·31	− 0·21	0·10	0·50	− 0·40	0·03	Leh.
26				1	3	1			S		2·4			14		97		·147		6·6		1	3·00	−2·00	0·38	1·71	− 1·33	0·38	2·42	− 2·04	0·16	Skardu.
25		3	2	1					S 61° E		2·3			13		91		·093		6·2		17			10·22			10·56			1·30	Minimarg.
15			3	8	4	1			S 7° W		3·0			43		66		·102		7·0		4			0·89			1·07			0·43	Astor.
22	2				1	6			N 82° W		1·8¶			17		61	− 6	·148	+ ·005	7·8	+0·9	1	0·30	+0·70	0·19	0·21	− 0·02	0·19	0·30	− 0·11	0·10	Gilgit.
																																Baluchistan.
25		1	3	1		1			S 34° E	N 13° W	3·3	2·9	+0·4	13	+ 8	82	+ 3	·158	+ ·010	4·5	+0·8	5	4·80	+0·20	1·57	2·03	− 0·46	1·75	2·84	− 1·09	0·58	Quetta.
2		6	17	3	3				S 43° E	S 58° E	6·2	6·8	−0·6	72	+12	72*	+ 4	·201*	+ ·036	3·8	−0·6	6	3·40	+2·60	1·77	1·30	+ 0·47	2·00	2·22	− 0·22	0·62	Chaman.
6	9	6	5			1	3	1	N 20° E		7·0			46		69		·230		2·5		1			1·90			2·08			1·82	Robat.
																																Hill stations excluding Kashmir and Baluchistan.
28		2			1				N 77° E		1·3			6		82		·179		4·1		6			1·93			2·01			0·77	Chitral.
27			1		1		2		S 45° W		3·5			3		75		·172		5·4		7	1·00	+6·00	3·20	0·63	+ 2·57	3·40	1·22	+ 1·98	1·17	Para Chinar.
1	5	7		3				15	N 11° W	N 12° W	12·7	13·4	−0·7	62	− 8	54	− 5	·159	+ ·008	4·2	−0·6	7			4·71	2·07	+ 2·64	4·71	3·07	+ 1·64	1·48	Cherat.
10	2	1	2	9	7				S 40° E	S 62° E	8·5	9·0	−0·5	46	− 3	52	−10	·132	−·004	4·7	−0·6	8	2·80	+5·20	2·96	3·67	− 0·71	2·98	4·81	− 1·83	0·51	Murree.
		9	10	8	2	1	5		S 69° E		0·6§	0·9	−0·3	45		98		·088		5·7		4			2·20	2·92	- 0·72	2·20	4·00	− 1·80	0·75	Kailang.
3	11	2		4	9	1		1	N 78° E	S 63° E	6·4	5·0	+1·4	10	−20	43	−10	·105	−·017	5·4	+0·7	3	3·60	−0·60	0·98	2·71	− 1·73	0·98	3·94	−2·96	0·40	Simla.
6		1			10	14			S 25° W		3·5			68		76		·144		5·2		5			2·85			2·85			0·90	Sarain.
																	Observations not received															Kalabagh.
10	8	2			3	1		7	N 22° W	N 34° E	7·4	5·7	+1·7	40	− 5	49	− 9	·124	−·007	3·4	−0·7	4	5·00	−1·00	1·94	3·73	− 1·79	1·94	4·89	−2·95	0·74	Chakrata.
11			1	4	1		19		N 79° W		7·2			33		46		·112		3·6		3			3·04			3·07			1·65	Muktesar.
6	1	6	6	7		1	2	2	N 85° E	S 57° E	2·7	3·7	−1·0	37	+14	74	− 8	·189	− ·001	2·9	−1·3	2	1·71	+0·29	0·83	0·71	+ 0·12	0·83	0·94	−0·11	0·57	Darjeeling.
17		2	7		4		1		S 25° E		3·3			27		77		·232		2·1		1	1·50	−0·50	0·48	0·53	− 0·05	1·54	0·81	+ 0·73	0·19	Shillong.
2	1	4	15	1		2	3		N 71° E		4·0			49		75		·278		0·4		3	1·70	+1·30	0·40	0·33	+0·13	0·91	1·04	−0·13	0·20	Cherra Poonjee.
29					1		1		W		1·3			5		89		·331		1·3		0	0·20	−0·20	0	0·06	- 0·06	2·63	0·51	+2·12	0	Maymyo.
18	1		1	1	1	2	5	2	S 83° W	S 3° E	3·4	3·5	−0·1	20	+ 2	64	+ 6	·232	−·056	0·6	−1·3	1	1·50	−0·50	0·50	0·65	−0·15	0·50	1·12	− 0·62	0·50	Pachmarhi.
17	3	1		2		5	1	2	N 87° W	N 2° W	5·6	5·2	+0·4	12	− 6	48	+ 4	·215	+ ·010	1·2	−0·5	1	0·70	+0·30	0·55	0·33	+ 0·22	0·55	0·54	+ 0·01	0·54	Mount Abu.
6	3	10	10	1				1	N 60° E	N 74° E	3·9	5·0	−1·1	66	− 8	84	+ 9	·460	+ ·042	3·3	+0·2	0	0·20	−0·20	0·02	0·02	0	0·89	0·53	+ 0·36	0·02	Mercara.
8		3	8	6	5			1	S 67° E		4·0			49		63		·248		2·0		1	0·60	+0·40	0·58	0·35	+ 0·23	1·76	2·00	− 0·24	0·44	Ootacamund.
	3	7	8	10	1		1	1	N 88° E		12·4§			9		68		·258		3·4		6	1·40	+4·60	1·12	1·17	− 0·05	3·09	6·74	− 3·65	0·23	Kodaikanal.

(a) Indeterminate. (b) Since 1st January 1908. ‡ Mean of 18 days. § Uncorrected. ¶ Mean of 29 days.

or plateau stations, the elevations of which exceed 3,200 feet. (c) Wind Observations of 19 days.

Table

(2) *Abstract of observations taken at 8 hrs.*

Number of sub-division.	Station.	Elevation of bar cistern above sea-level in feet.	Pressure 8 hrs. in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XIII.—Extra India.																						
	Singapore (*a*)	10	30·000		29·931	30·078	8th	29·869	30th	·209	83·9	89·3		73·1		81·2		16·2	92·0	25th	71·4	14th	20·6
	Penang (*a*)	20	29·965		29·910	29·988	8th	29·926	30th	·062	81·8	90·8		73·1		82·0		17·7	93·0	5 days	71·0	5 days	22·0
	Trincomalee	12	30·045	+·059?	29·983	30·109	8th	29·916	31st	·193	76·2	83·8	+0·5	74·0	−0·6	78·9	−0·1	9·8	86·5	23rd	68·0	30th	18·5
	Colombo	40	29·975	+·025	29·941	30·029	5th	29·854	31st	·175	75·9	87·5	0	72·6	+0·5	80·1	+0·3	14·9	90·0	19th	66·0	20th	24·0
	Minicoy	7	30·030			30·083	5th	29·907	31st	·176													
	Amini Divi	*13*	30·022	+·017	29·963	30·082	5th	29·899	31st	·183	80·9	87·1	+2·8	74·5	+0·6	80·8	+1·7	12·6	88·6	5th	67·7	1st	20·9
	Gyantse	13,120	19·030			19·484	9th	18·402	30th	1·082	12·5	42·5		2·1		22·4		40·4	51·7	1st	−5·1	16th	57·8
	Pharijong	14,400	17·888			18·060	10th	17·650	30th	·410	13·7	36·0		−1·4		17·3		37·4	49·6	21st	−10·2	14th	59·8
	Gangtok	5,660?	24·563			24·698	7th	24·420	28th	·278	48·9	59·5		38·1		48·8		21·4	67·1	19th	31·0	5th	36·1
	Gartok	15,100?						Observatory		not	opened.												
	Kashgar (*c*)	4,255	25·627			25·890	6th	25·280	18th	·610	19·2	36·8	+4·4	15·7	+3·1	26·2	+3·8	21·1	45·2	17th & 19th	11·3	4th	33·9
	Kabul	21,371				24·532	5th	23·980	31st	·552	30·5	48·2	+3·3	25·3	+7·4	36·8	+5·4	22·9	64·0	13th	18·4	27th	45·6
	Meshed	3,104	26·799		26·777	27·044	7th	26·570	15th	·474	29·6	47·8		24·3	+2·1	36·0		23·5	65·9	18th	16·8	8th	49·1
	Jask	13	30·117	−·010	30·087	30·217	5th	29·957	30th	·260	66·6	75·1	+1·3	63·6	+3·3	69·4	+2·3	11·5	78·3	20th	52·3	11th	26·0
	Muscat	20	30·127	+·006	30·095	30·219	5th	29·989	30th	·230	68·5	76·6	+4·4	66·6	−0·6	71·7	+1·9	10·0	82·3	8th	63·1	10th	19·2
	Bahrein	18	30·179		30·151	30·340	23rd	29·922	17th	·418	61·7	66·3		57·5		61·9		8·8	74·0	6th & 16th	48·8	11th	25·2
	Bushire	14	30·112	−·022	30·085	30·290	23rd	29·816	17th	·474	54·9	64·6	+0·5	51·8	+0·1	58·2	+0·3	12·8	77·1	16th	42·6	23rd	34·5
	Busrah	25	30·185		30·171	30·383	22nd	29·924	16th	·459	52·1	63·7		42·3‡		52·1‡		21·4	71·2	7th	30·2	23rd	41·0
	Ispahan (*b*)	*5,817*	24·234			24·380	31st	24·010	16th	·370	29·9	48·6	+2·1	27·7	+4·5	38·2	+3·3	20·9	60·8	14th, 16th & 17th.	18·2	23rd	42·6
	Tehran (*b*)	*4,002*	25·927			26·100	2nd, 9th & 25th.	25·650	16th	·450	32·2	46·1	+3·8	29·0	+2·7	37·5	+3·3	17·1	57·5	14th	21·7	22nd & 23rd	35·8
	Baghdad†	220	30·028	+·003	30·243	30·243	30th	29·644	27th	·599	42·5	58·6	−1·6	39·5*	+1·3	49·2*	−0·2	19·1	67·4	14th	33·0	22nd	34·4
	Beirut				30·077						54·1	62·0		50·4		56·2		11·6	73·7	10th	39·9	17th	33·8
	Aden	94	30·024	+·042	30·051	30·104	5th	29·925	31st	·179	74·9	79·4	−1·2	72·3		76·1	−0·6	6·6	82·8	31st	68·9	9th	13·9
	Perim	201	?		?	?		?			76·3	82·3	−0·4	72·6	−0·9	77·5	−0·7	9·7	84·5	2nd	69·6	23rd	14·9
	Zanzibar	72	29·941	+·029	29·940	29·995	19th	29·834	31st	·161	82·6	87·4	+1·3	80·4	+0·8	83·9	+1·1	7·0	89·8	29th	78·8	17th	11·0
	Do. Dunga	*154*	29·779		29·860	29·812	24th	29·751	4 days	·061	82·3	92·2		81·8		87·0		10·4	95·5	24th	78·8	21st	16·7

N.B.—Elevations in italics indicate barometrical determinations.
NOTE—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations the elevations of which exceed 3,200 feet.

(*a*) 9 hrs. observations.
(*b*) Aneroid uncorrected.
(*c*) " corrected.

* Mean of 28 days.
† Mean of 30 days.
‡ Mean of 10 days.

—concluded.

t 238 stations in India, etc., in January, 1908—concluded.

Wind direction. Number of winds from N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction	Wind velocity. Mean velocity miles per hr.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. In inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 31 st Jan. 1908.	Normal rainfall for period, 1st Dec. to 31st January.	Departure from normal of period 1st Dec. 1907 to 31st Jan. 1908.	Heaviest rainfall during month.	Station.
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																															XIII—Extra India.
8	18		1	1				N 34° E		6·0§			76						3·5		10			4·27			17·80			1·15	Singapore.
5	12		4		2		8	N 16° E		11·6§			53						0		5			2·40			9·82			0·76	Penang.
		11			1			N 49° E	N 30° E	1·6§	7·7	−6·1	33	−32	88	+ 9	·802	+·025	5·1	+1·1	9			4·99	5·38	− 0·39	11·03	21·28	−10·25	1·66	Trincomalee
10	17		1				2	N 27° E	N 37° E	7·2§	8·7	−1·5	86	+ 5	85	+11	·773	+·004	3·8	+0·2	7			4·20	3·20	+ 1·00	5·51	9·99	− 4·48	1·94	Colombo.
8	18	5						N 41° E	N 42° E	4·5	6·4	−1·9	87						3·3	+0·1	2			0·71	2·09	− 1·38	2·58	6·75	− 4·17	0·54	Minicoy.
8	17	1	1			1	2	N 28° E					78		72	− 1	·763	−·035	2·8	−0·7	0			0	0·19	− 0·19	0·94	0·51	+ 0·43	0	Amini Divi.
			17	13	1			S 23° E		2·2			94		64		·050				0			0			0			0	Gyantse.
3			2	1		1		N 45° W		6·0			3		91		·082		0·6		0			0			0			0	Pharijong.
2	2							N 18° E		2·2§			10		59†		·196†		1·1		3			0·60			0·61			0·35	Gangtok.
																Observatory not opened.															Gartok.
		3		1			3	N 45° E	N 56° W	0·3	0·6	−0·3	3	0					6·3	+0·1	1			0·18	0·27	−0·09	0·18	0·46	−0·28	0·15	Kashgar.
10	6				5	7	3	N 32° W	N 82° W				48	+43	85		·150		5·5	+2·8	9			4·55	1·24	+3·31	5·05	1·53	+ 3·52	1·00	Kabul.
4			1	2	1		4	N 40° W		2·0§			13		87		·146		4·7		3			1·02	0·41	+0·61	1·03	1·11	− 0·08	0·62	Meshed.
5	7	12				1	5	N 43° E	N 18° E	15·5†	12·0	+3·5	56	−15	77	+4	·514	+·068	3·2	+1·3	2			0·23	0·87	−0·64	0·92	1·65	− 0·73	0·12	Jask.
	1					9		N 39° W	S 59° W	5·1	4·8	+0·3	30	− 3	67	−1	·472	−·014	3·9	+1·4	1			0·22	1·28	−1·06	0·36	1·54	− 1·18	0·11	Muscat.
2	2	2	5	2	2	6	10	N 63° W		8·7			29		81		·451		2·1		3			0·73			0·76			0·32	Bahrein.
6	5	5	7	1	2		5	N 56° E	N 58° E	13·8	8·0	+5·8	37	−17	81	+3	·353	+·004	4·7	+1·4	6			4·36	3·12	+1·24	5·16	6·36	− 1·20	1·40	Bushire.
1			6	2	4	10	5	S 67° W		5·8§			42		81		·325		3·5		3			0·94			1·24			0·41	Busrah.
1	2	1		1		2		N 15° E	S 79° W	2·3	3·1	−0·8	2		82		·141		3·0		5			2·04	0·28	+1·78	2·27	0·80	+ 1·47	0·89	Ispahan
10	12	1			2	1		N 22° E	N 16° E	4·3	2·9	+1·4	61	+15	79	+12	·146	+·017	2·9	−0·	7			2·71	1·29	+1·42	4·43	2·66	+1·77	1·10	Tehran.
7		1		5	1	4	2	N 59° W	N 8° W	8·5	3·2	+5·3	20	− 5	74	−6	·206	−·038	4·0	+1·4	3			1·38	1·38	0	1·55	3·02	− 1·47	0·73	Baghdad.
	1	2	16	1	8		1	S 25° E					59		74		·310		6·3		13			5·35			11·34			0·76	Beirut.
3	25	1						N 42° E	N 80° E	14·7	13·5	+1·2	92	+18	78	+3	·669	+·017	6·6	+0·2	0			0·06	0·32	−0·26	0·13	0·69	− 0·56	0·03	Aden.
2	1		19	5	1		3	S 38° E	S 81° E	20·1	19·8	+0·3	58	−25	79	+3	·719	+·035			6			2·08	0·34	+1·74	2·23	0·42	+1·81	0·64	Perim.
21	5	3						N 16° E	N 28° E	7·5	7·8	−0·3	84	+ 7	77	−3	·858	−·009	6·6	+0·4	0			0·04	3·37	−3·33	5·50	6·14	− 0·64	0·03	Zanzibar.
27	2					1		N 2° E		8·9			91		78		·844				0			0			2·05			0	Do. Dunga.

§ Uncorrected.

Table C.—Abstract of observations taken at 8 hrs. at 27 fourth-class stations in India, etc., in January, 1908.

Table

Abstract of observations taken at 8 hrs.

Number of subdivision.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from								Resultant direction.	Normal direction.
															Calm.	N.	NE.	E.	SE.	S.	SW.	W.	NW.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	II.—Eastern Bengal and Assam.																								
4	Bishnath	48·7	75·1	...	41·4	...	58·3	...	33·7	79·0	17th & 26th.	36·9	9th	42·1	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	49·5	77·3	...	43·8	...	60·6	...	33·5	80·0	3 days	39·2	h	40·8	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	53·0	76·5	...	47·6	...	62·1	...	28·9	80·5	3 days	42·1	22nd	38·4	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma (*a*)	48·3	52·7	...	43·9	...	48·3	...	8·8	56 3	17th	39 0	18th	17·3	...	...	...	...	...	...	...	...	...	...	...
	Dikom	48·3	73·6	...	44·0	...	58·8	...	29·6	78·4	1st	38·9	18th & 19th.	39·5	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	54·3	72·7	...	47·1	...	59·9	...	25·6	76·7	25th	42·4	17th	34·3	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	54·2	77·1	...	51·1	...	64·1	...	26·0	81·7	24th	46·8	4th & 10th.	34·9	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	53·2	74·4	...	48·2	...	61·3	...	26·2	77·9	1st & 25th.	43·9	10th	34·0	...	...	...	...	...	...	...	...	...	...	...
	Messa	60·0	79·5	...	45·3	...	62·4	...	34·2	82·4	27th	40·5	1st & 3rd.	41·9	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	48·5	74·5	...	46·0	...	60·3	...	28·5	78·9	25th	40·0	18th	38·9	...	...	...	...	...	...	...	...	...	...	...
	Srimangal	53·4	77·3	...	48·1	...	62·7	...	29·2	82·7	27th	43·3	3rd	39·4	...	...	...	...	...	...	...	...	...	...	...
	Tura†	67·6	72·9	...	55·0	...	64·0	...	17·9	80·6	3rd	42·4	20th	38·2	...	...	4	...	5	...	18	3	1	S 38° W	...
5	Brahmanbaria	59·8	75·9	...	51·0	...	63·5	...	24·9	81·8	12th	42·1	19th	39·7	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	48·3	83·1	...	42·4	...	62·8	...	40·7	87·9	3 days	38·1	16th	49·8	...	...	...	...	...	...	...	...	...	...	...
	Goalundo (*a*)	56·3	77·3	...	45·7	...	61·5	...	31·6	80·9	31st	41·2	30th	39·7	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	57·4	73·5	...	45·3	...	59·4	...	28·2	78·4	24th & 27th.	40·5	22nd	37·9	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	53·9	75·1	...	52·3‡	...	63·7	...	22·8	79·1	3 days	44·9	29th	34·2	...	...	...	...	...	...	...	...	...	...	...
	Pabna	56·5	77·9	...	50·6	...	64·3	...	27·3	86·0	27th	45·0	20th	41·0	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
6	Fraserganj	65·9	...	...	...	...	...	...	...	...	...	...	...	...	...	22	3	...	...	4	...	...	2	...	...
	XI.—Central Provinces.																								
24	Chhindwara	Observatory not opened.																							
	Hill Stations.																								
	Panighatta	57·6	73·0	...	50·9	...	62·0	...	22·1	77·7	24th & 27th.	35·7	20th	42·0	...	..	...	...	...	...	...	...	...	...	...
	Kurseong	48·4	59·1	...	45·5	...	52·3	...	13·6	63·1	17th	42·0	30th	21·1	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	42·6	...	28·2	...	35·5	...	14·4	50·0	20th	21·3	13th	28·7	26	...	...	...	2	...	3	...	...	S 14° W	...
	Kargil	22·0	37·6	...	17·0	...	27·4	...	20·6	46·5	6th	8·0	16th	38·5	...	6	6	...	1	...	2	4	12	N 28° W	...
	Killa Drosh	37·9	48·7	...	34·6	...	41·7	...	14·1	55·3	20th & 21st.	31·0	3 days	24·3	16	...	2	...	6	...	...	...	...	S 63° E	...
	Pishin	...	54·8	...	30·5	...	42·7	...	24·3	66·5	19th	19·0	1st	47·5	...	...	...	...	...	...	...	...	...	...	...
	Kalat	34·2	54·9	+2·5	25·3	+5·0	40·1	+3·8	29·6	63·3	14th	11·6	12th	51·7	...	1	...	...	...	28	...	2	...	S 4° W	...
	Extra India.																								
	Birjand	39·8¶	50·5	...	35·8	...	43·2	...	14·7	60·6	17th	23·5	10th	37·1	9	4	12	3	...	...	1	...	2	N 35° E	...

(*a*) Observations of 10 days.

† 10 hrs. observations.

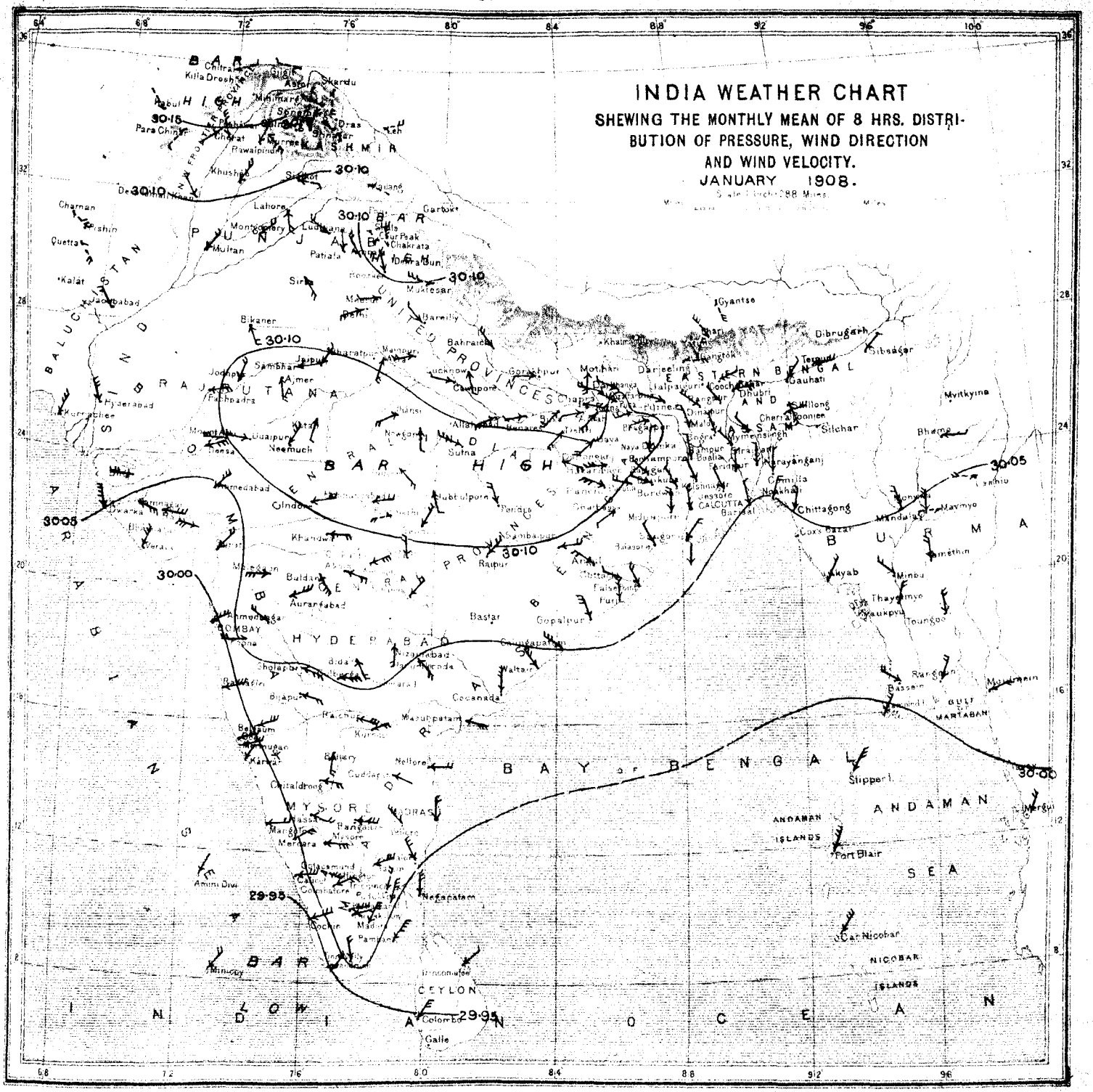
C.

at 27 fourth-class stations in India, etc., in January, 1908.

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.										
Mean velocity, miles per hour.	Normal.	Percentage departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st December 1907 to 31st January 1908.	Normal rainfall for period, 1st December to 31st January.	Departure from normal of period, 1st December 1907 to 31st January 1908.	Heaviest rainfall during month.	Station
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Eastern Bengal and Assam.
...	...	...	...	...	95	...	330	...	...	...	2	...	...	0·47	...	...	0·61	...	...	0·20	Bishnath.
...	...	...	...	...	93*	...	·333*	...	...	...	1	...	...	0·29	...	...	0·37	...	...	0·21	Borjuli.
...	...	...	...	...	97	...	·395	...	...	...	3	...	...	1·32	...	...	2·38	...	...	0·92	Chandkhira.
...	...	...	...	...	94	...	·322	...	...	...	0	...	...	0·02	...	...	0·35	...	...	0·02	Doom Dooma.
...	...	...	...	...	94	...	·322	...	...	...	3	...	...	1·17	...	...	1·49	...	...	0·65	Dikom.
...	...	...	...	...	94	...	·402	...	...	...	2	...	...	0·67	...	...	1·29	...	...	0·42	Golaghat.
...	...	...	...	...	98	...	·415	...	...	...	2	...	...	0·51	...	...	1·55	...	...	0·20	Hailakandi.
...	...	...	...	...	93	...	·386	...	...	...	1	...	...	0·45	...	...	0·98	...	...	0·31	Jorehat.
...	...	...	...	...	78	...	·405	...	...	...	0	...	...	0·15	...	...	0·46	...	...	0·07	Messa.
...	...	...	...	...	97¶	...	·333¶	...	...	...	1	...	...	0·20	...	...	0·20	...	...	0·17	Panerihat.
...	...	...	...	...	92	...	·380	...	...	...	2	...	...	1·20	...	...	2·03	...	...	0·72	Srimangal.
...	...	...	36	...	63*	...	·428*	...	...	...	3	...	...	0·83	...	...	1·07	...	...	0·36	Tura.
...	...	...	...	...	87	...	·454	...	...	...	2	...	...	0·91	...	...	2·88	...	...	0·75	Brahmanbaria.
...	...	...	...	...	94	...	·322	...	...	...	1	...	...	0·24	...	...	0·24	...	...	0·19	Dam Dim.
...	...	...	...	...	86	...	·390	...	...	...	0	...	...	0	...	...	0·52	...	...	0	Goalundo.
...	...	...	...	...	82	...	·392	...	...	...	1	...	...	0·26	...	...	0·29	...	...	0·16	Kalchini.
...	...	...	...	...	85	...	·358	...	...	...	1	...	...	0·19	...	...	0·19	...	...	0·16	Nagrakata.
...	...	...	...	...	92	...	·421	...	...	...	1	...	...	1·14	...	...	1·63	...	...	1·00	Pabna.
																					III.—Bengal.
...	...	...	...	...	74	...	·479	...	...	...	1	...	...	0·58	...	...	0·98	...	...	0·50	Fraserganj.
																					XI.—Central Provinces.
											Observatory not opened.										Chhindwara.
																					Hill Stations.
...	...	...	...	...	68	...	·318	...	...	...	1	...	...	0·19	...	...	0·19	...	...	0·11	Panighatta.
...	...	...	...	...	68	...	·228	...	...	...	2	...	...	0·73	...	...	0·74	...	...	0·52	Kurseong.
...	...	...	13	...	...	...	...	...	5·5	...	3	...	...	0·70	3·20	—2·50	0·70	4·25	—3·55	0·31	Poo.
...	...	...	61	...	47	...	·056	...	5·4	...	3	...	...	0·96§	...	...	0·96‖	...	...	0·30§	Kargil.
...	...	...	29	...	68	...	·158	...	2·6	...	7	...	...	2·37	...	...	2·43	...	...	0·45	Killa Drosh
...	...	...	...	...	...	...	...	...	4·0	...	4	...	...	1·25	2·16	—0·91	1·41	3·36	—1·95	0·45	Pishin.
...	...	...	87	...	71	...	·143	...	...	...	3	...	...	1·56	0·79	+0·77	1·56‖	...	...	0·75	Kalat.
																					Extra India.
7·4	...	...	52	...	71¶	...	·179¶	...	5·1	...	7	...	...	2·69	...	...	2·80	...	...	0·59	Birjand.

* Mean of 29 days.
¶ „ „ 30 „
‡ „ „ 10 „

§ Snow water.
‖ Since 1st January 1908.

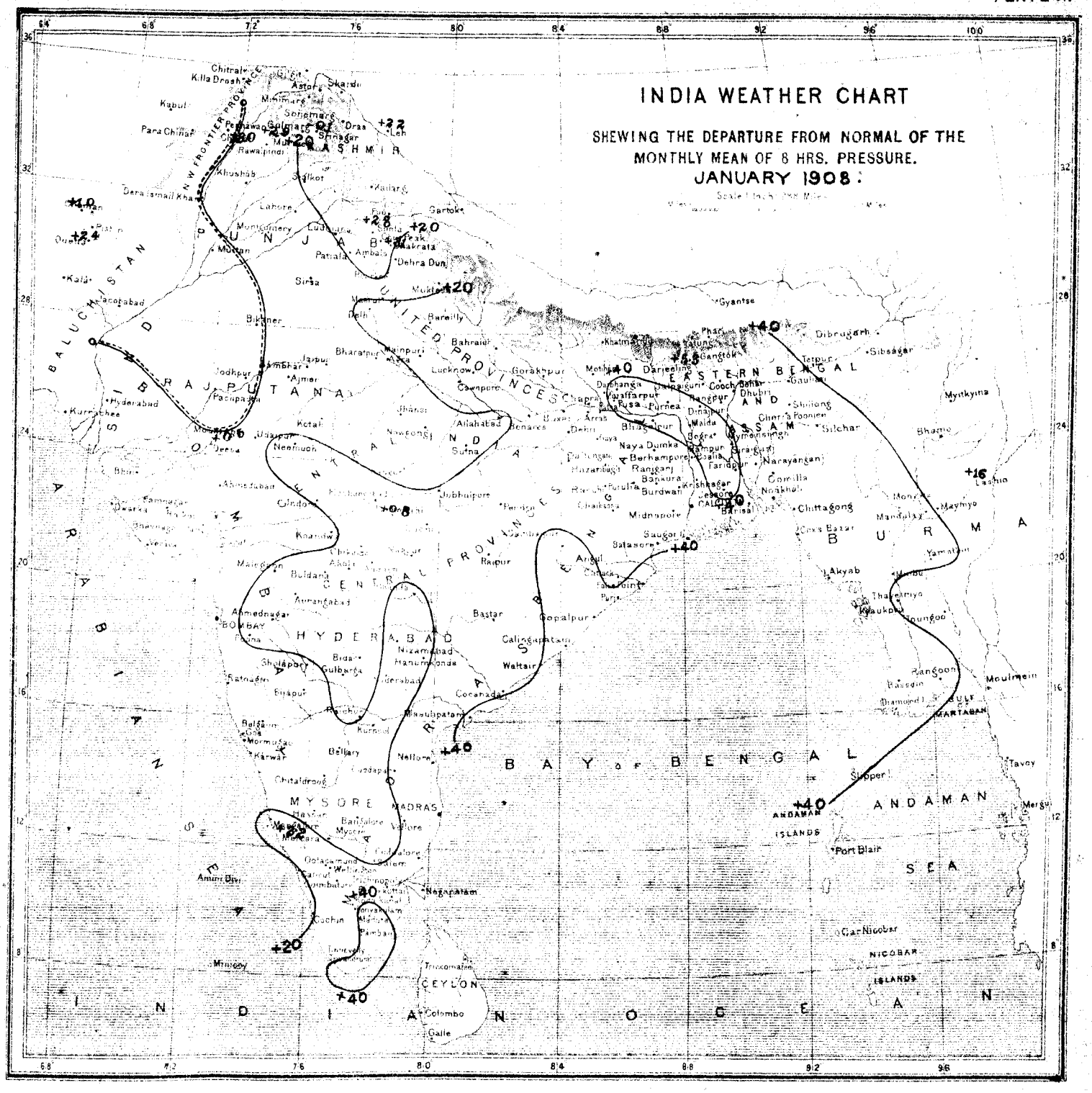


LITHO BY P. N. BANERJEE.

The lines of the above chart represent isobars or lines of equal barometric pressure, the numbers attached indicating the barometric pressure in inches and being drawn for differences of pressure of ·05 inch. The isobars in the Bay of Bengal are filled in by means of the shore observations, and by comparison with the normal distribution of pressure.

The mean 8 hrs. wind directions of the month are shewn by means of arrows flying with the wind, and are calculated by means of Lambert's formula applied to the winds as given in Table B of the 8 hrs. observations. The mean wind directions for the hill stations are indicated by broken arrows to distinguish them from the wind arrows for the plain stations. The mean velocity of the winds during the month is shewn by the following notation:—

Velocity of	0 to 2 miles per hour	...	one feather added to the wind arrow.
,,	,, 2 to 5 ,, ,,	...	two feathers ,, ,, ,, ,,
,,	,, 5 to 10 ,, ,,	...	three ,, ,, ,, ,, ,,
,,	,, 10 to 20 ,, ,,	...	four ,, ,, ,, ,, ,,
	over 20 ,, ,,	...	five ,, ,, ,, ,, ,,



The chart shows the departure from normal of the mean during the month of 8 hrs. pressure by means of lines drawn for equal amounts of departure. The numbers are given in thousandths of an inch, 20 representing ·020′ or two hundredths of an inch, &c. Continuous lines indicate that the pressure was in excess by amounts indicated by the numbers attached to the lines, and broken or dotted lines that it was in defect by amounts indicated by the numbers attached to the lines. Two parallel lines near to each other, one continuous and the other broken or dotted, represent the line of no departure. the dotted line facing the area of deficient pressure or negative departures.

PLATE III.

CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MAXIMUM TEMPERATURE.

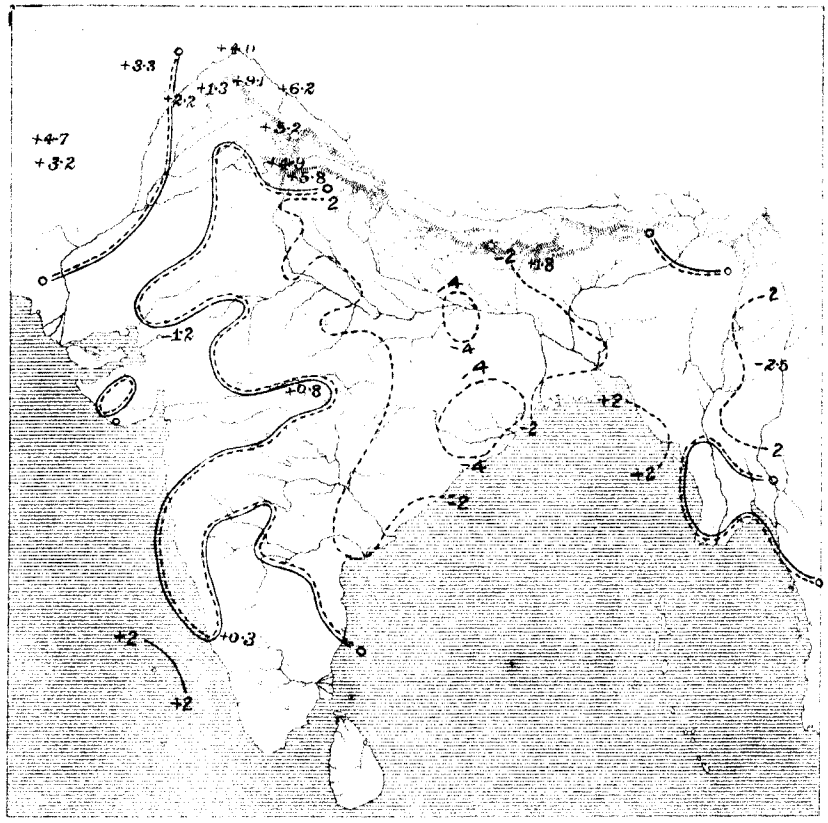
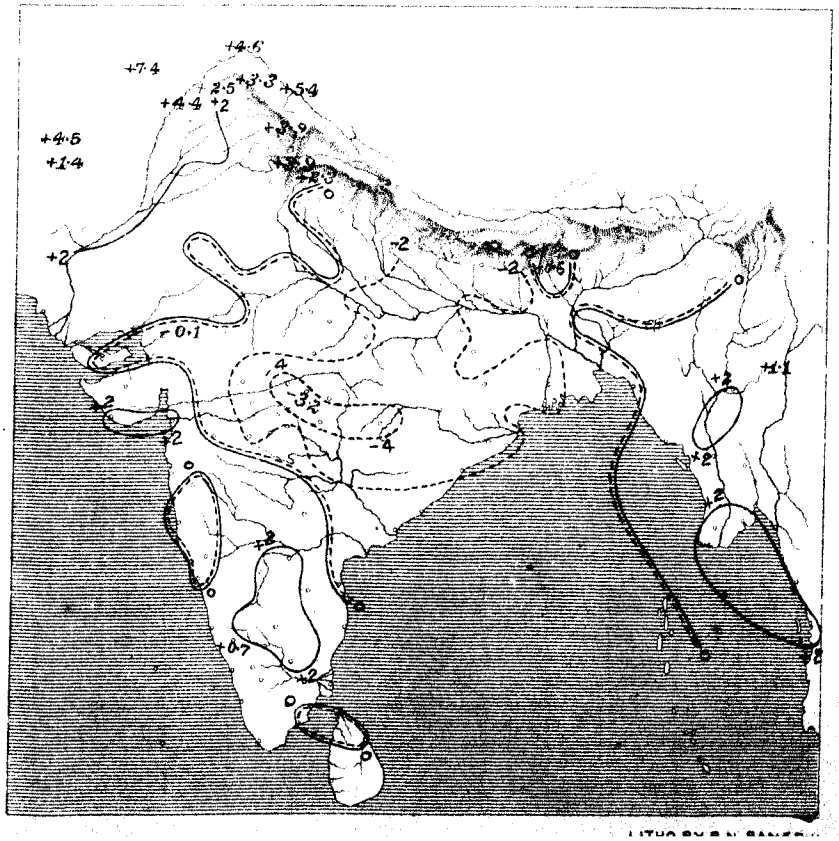


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.



LITHO BY S.N. SANYAL

CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MEAN TEMPERATURE.

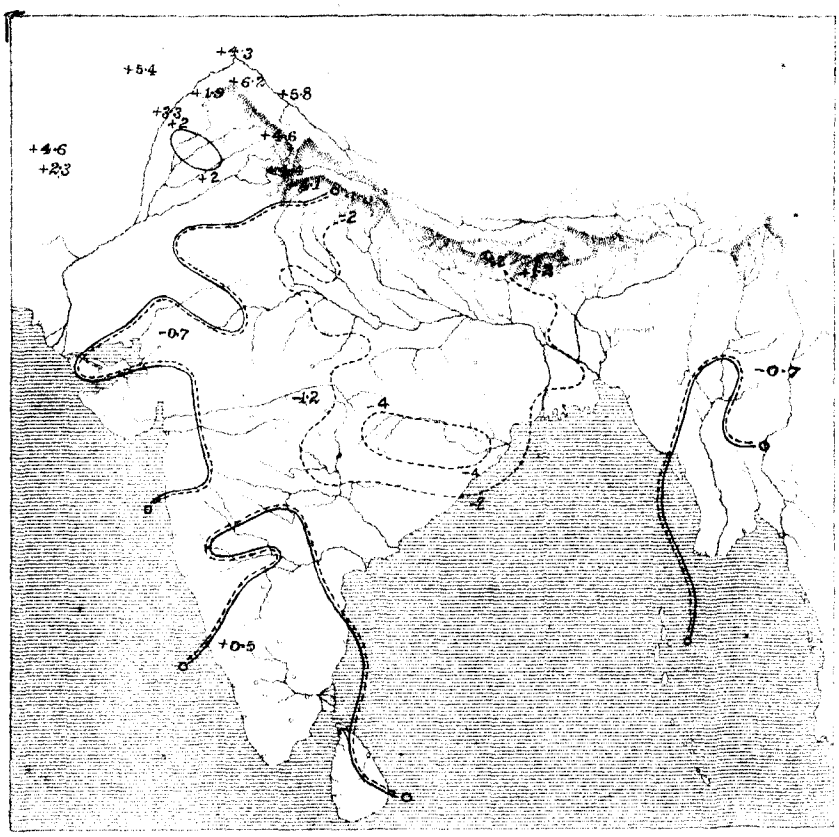
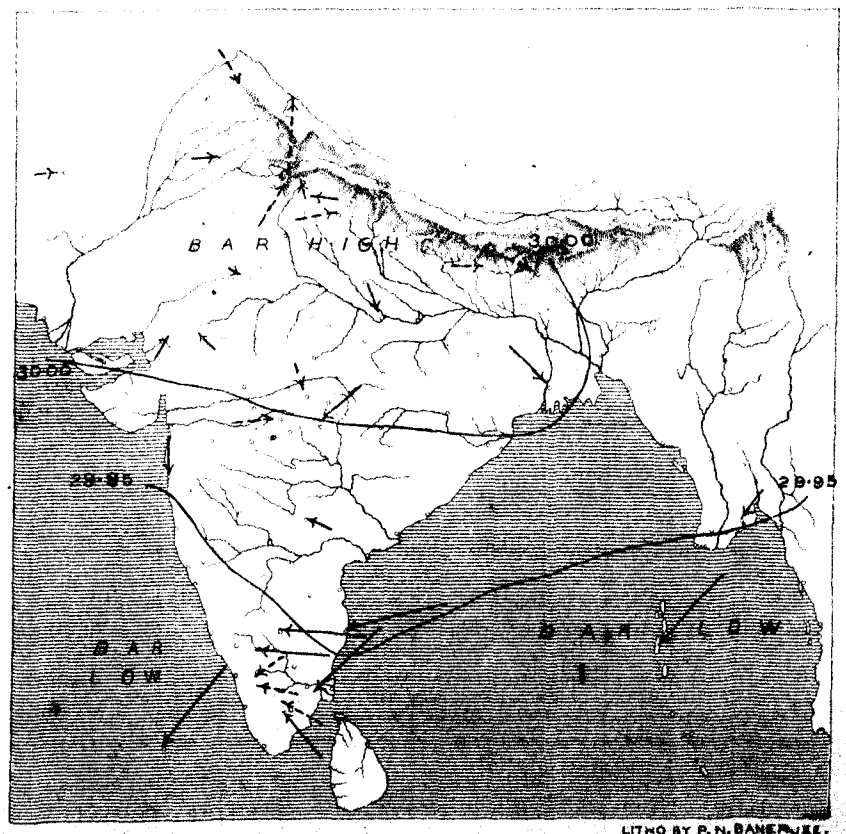


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.



LITHO BY P. N. BANERJEE.

CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF ABSOLUTE HUMIDITY AT 8 HRS.

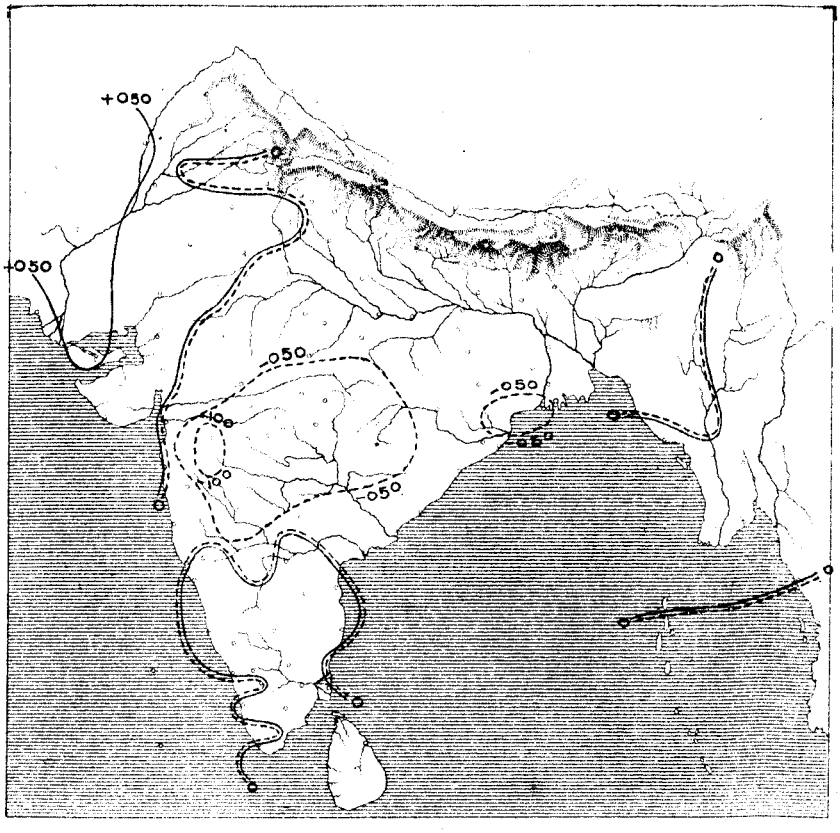


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

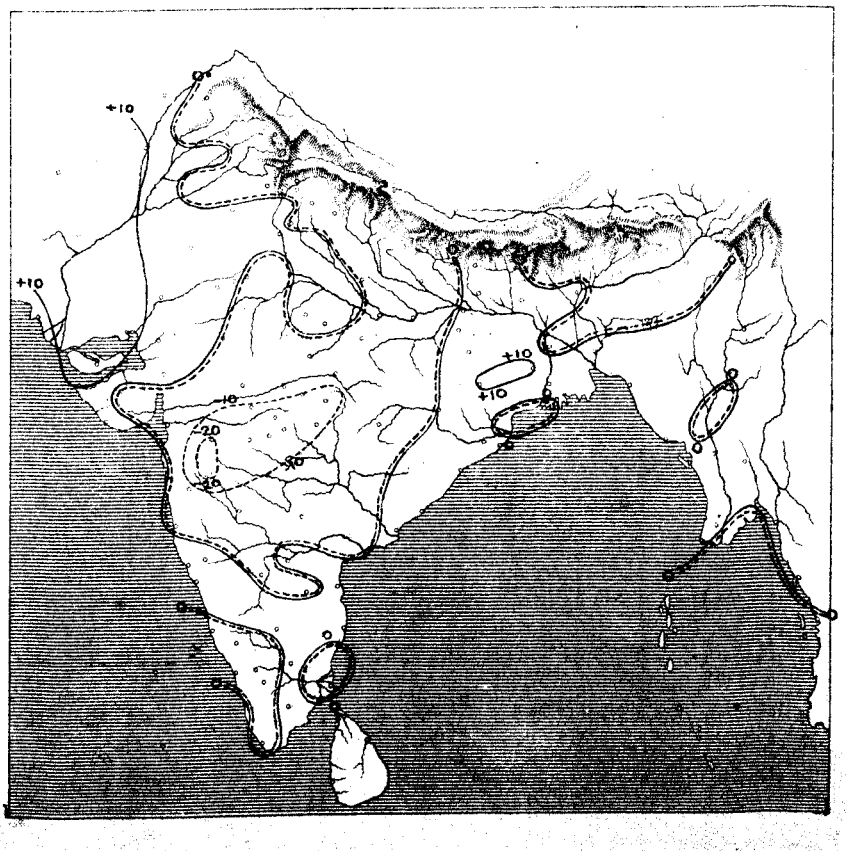


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.
(BASED ON THE RETURNS OF TABLE B.)

LITHO BY P. N. BANERJEE.

Reg. No. 1653 E., 08.—Wr., India.—July 08.—5,000.

The country is divided into 34 areas as shewn in the list below. The numbers in that list correspond with the red numbers on the chart, and serve to identify the areas. The numbers in brackets on the chart give the average over the divisions of the normal monthly rainfall; the numbers above these give the departures from normal of the average actual rainfall over the divisions.

1. Bay Islands
2. Lower Burma
3. Upper Burma
4. Assam
5. Eastern Bengal
6. Bengal
7. Orissa
8. Chota Nagpur
9. Bihar
10. United Provinces, East
11. Do., West
12. Punjab, East and North
13. Do., Southwest
14. Kashmir
15. Northwest Frontier Province
16. Baluchistan
17. Sind
18. Rajputana, West
19. Rajputana, East
20. Gujarat
21. Central India, West
22. Do., East
23. Berar
24. Central Provinces, West
25. Do., East
26. Konkan
27. Bombay, Deccan
28. Hyderabad, North
29. Do., South
30. Mysore
31. Malabar
32. Madras, Southeast
33. Madras, Deccan
34. Madras Coast, North

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, FEBRUARY, 1908.

INTRODUCTION.

THIS review of the weather in India during the month of February, 1908, is based on observations taken daily at 8 hrs. at 238 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 35 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by the provincial Governments up to the date of the preparation of the review have been utilized. The brief notes on solar, seismic and magnetic disturbances are supplied by the chief observatories.

Summary of the chief features of the weather in India during the month of February, 1908.

2. During February there were two well defined periods of disturbed weather, the first lasting from the 1st to the 7th and the 2nd from the 23rd until the end of the month. The disturbed weather at the beginning of the month was due to a depression from Persia, which developed a deep secondary in the Punjab and rain fell along the Himalayas from Peshawar to Dibrugarh and extended southward as far as Lahore and Montgomery, to the east of Central India and the central districts of north-east India. There was also rain over Chota Nagpur, the east of the Central Provinces and north Hyderabad. The second period of disturbed weather began in south India on the 23rd and rainfall far in excess of the normal occurred over this region to the south of the latitude of Madras, during the next two days. In the extreme north of India the third depression of the month began to affect the weather on the 26th and precipitation was of daily occurrence there until the end of the month, while on the 29th scattered falls also occurred in northeast India.

The 1st depression was followed by a cold wave of considerable severity which passed right across the head of the Peninsula and the Bay into Burma. It was succeeded by a hot wave and from the 10th to the 21st weather was abnormally hot over northern India, the maximum at times being over 20° in excess in Baluchistan and Sind. Cloud and humidity were generally less than usual in the central parts of the country, the United Provinces and the Punjab.

Solar, seismic and magnetic disturbances.

SOLAR PHYSICS OBSERVATORY, KODAIKANAL.

3. *Solar Observations.*—Spots and prominences were observed on all but two days in the month—the 24th and 25th—but on nine other days the prominence observations were either imperfect or made in poor weather.

Spots.—There were only 17 new groups in the month with a daily average of 3·4. Groups 1346 and 1362 were in the same region on the sun but both formed on the visible disc. A special feature of the month was that a large majority of the new groups—12 out of the 17—formed on the visible disc. The relatively greater spot activity in

the southern hemisphere persisted in February, the latitude distribution being as follows:—

	1-10	11-20	more than 20°
North	2	2	2 (24° and 25°)
South	5	6	-

There were four large spots in the month: 1343 (which was first seen at the end of January), 1352, 1358 and 1361. The first of these broke up on the 2nd into two spots the eastern one of which decreased greatly in size on the next day. Both 1343 and 1358 became very small and disappeared before reaching the west limb. 1361 was first seen as a train of small spots within four days' march of the west limb on the 26th (the 24th and 25th were overcast), and developed rapidly. On the 27th C was reversed *on* and near the two largest spots and D3 was dark between them B′ was bright on the largest spot.

On the 7th a mass of bright hydrogen was observed (in C) on group 1347 and another to the east of the group at 8 h. 40 m; no other line was reversed between C and F. The reversal of C had disappeared by 10 h. 18 m.

Prominences.—The month was remarkable for the record of one of the largest prominences ever observed. It was seen between 8 h. and 9 h. on the 18th as a more or less connected group occupying 30° of the east limb and 75″ high at the tallest part. It was, however, changing both in form and height and was repeatedly photographed (19 times on the whole) till sunset. The main feature indicated by the successive photographs was the gradual vertical rise of a huge massive cloud. It rose continuously till its highest point was nine minutes (243,500 miles) away from the limb on the last photograph. There was very little on the limb near its place on the next day. Eruptive prominences of this kind, but on a very much smaller scale, were recorded also on the 4th and 17th. There were on the whole 53 prominences in the month a minute or more in height and 8 metallic prominences. The spectrum of a prominence observed at the east limb on the 7th showed about 30 lines belonging mainly to Na, Mg, Fe, Ti, and He. The list also contained several unknown lines.

Magnetic disturbances.—There was a "moderate" magnetic disturbance lasting from about 17h. on the 22nd to about 16h. on the 25th and several "small" disturbances in the month. On the 22nd and 23rd the central part of the disc was quite free from spots. It is worth noting that on the 18th when the great prominence was developing the magnetic condition was "calm".

C. MICHIE SMITH,
Director,
Kodaikanal and Madras Observatories.

BOMBAY OBSERVATORY.

Note on the Alibag magnetic record.

4. During the month the traces showed 9 calm days, 17 days of small, and 3 days of moderate disturbance.

The days of the month selected as "quiet" are the 2nd, 14th, 15th, 19th and 21st.

The observed absolute values of the several magnetic elements reduced to the mean monthly tabulations of the magnetograms, as also the ranges and the summed ranges of the Horizontal Force and the Declination for the month are as follow:—

Easterly Declination	1° 2′ 58″
Horizontal Force	0·36868 C. G. S. unit.
Vertical Force	0·15891 " "
Dip (calculated)	23° 19′·0
Dip (observed twice a week)	23° 18′·6
Horizontal Force Range	0·00045 C. G. S. unit.
Horizontal Force Summed Range	0·00292 " "
Declination Range	1′·85
Declination Summed Range	7′·06

(NOTE:—Summed Range means sum without regard to signs of 24 ordinates of diurnal inequality.)

The following table represents the magnetic character of each day in the month:—

Day.	Character.	Day.	Character.	Day.	Character.	Day.	Charactor.
1	C	8	S	15	C	22	M
2	C	9	S	16	S	23	S
3	M	10	S	17	S	24	S
4	S	11	S	18	C	25	C
5	S	12	S	19	C	26	S
6	M	13	S	20	C	27	S
7	S	14	C	21	C	28	S
						29	S

Seismic disturbances recorded at Colaba.

Only one seismic disturbance was recorded during the month on the 9th.

(*List of seismic disturbances.*)

Date.	Commencement.	Maximum.	End.	Maximum displacement from mean position.	Duration.
	H. M.	H. M.	H. M.	mm.	H. M.
9th February 1908	18 16·9	18 27·8	19 13·4	4·6	0 56·5

(NOTE:—All the times given above denote G. M. T.)

N. A. F. MOOS,
Director,
Bombay and Alibag Observatories.

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the Milne seismograph at the Alipore Observatory during February 1908.*

Date 1908.	P. T. Commencement. G. M. T.	L. W. Commencement. G. M. T.	Maximum. G. M. T.	End. G. M. T.	Duration.	Maximum displacement on trace from mean position.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
9th February	—	18-15·4	18-20·4	19-48·9	1-33·5	13·00	*Measured from the base line. Sensibility 1 mm. = ·038″ of tilt.

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing seismograph; magnification was 20 during the whole month.*

Date.	Commencement of 1st P. T.	Commencement of 2nd P. T.	Beginning of L. W.	Time of maximum amplitude.	End approximately.	Duration.	Maximum displacement of style.	REMARKS.
	G. M. T.	G. M. T.	G. M. T.	G. M. T.	G. M. T.			
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
9th.	18 17·3	18 20·7	18 24·3	18 25·2	18 50·0	0 32·7	5	Epicentre about 1,500 miles distant.
22nd	20 58·1	—	—	21 0·2	21 15·0	0 17	1	

The following table contains a list of the earthquakes that have been reported.

Place at which felt.	Date.	Time of earthquake. G. M. T.	Direction.	REMARKS.
		H. M.		
Kabul	3rd	9 30	—	Slight.
Mandalay . . .	9th	18 15	West to east.	Do.
„	„	18 35?	—	Two after shocks.
Sharigh and Nakus N. W. F. P . . .	13th	11 30	—	Slight.
„ „ „ .	„	12 30	—	After shock.
Tezpur . . .	21st	11 50	South to north.	Slight.

Solar Radiation.—The following figures give the intensity of solar radiation, as measured at Simla by Angstrom's pyheliometer. The values are corrected to local noon, and expressed in grammecalories per square centimetre per minute.

Maximum	1·55
Minimum	1·40
Mean	1·47
Number of days of observations . .	12

J. PATTERSON,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. *Solar observations.*—Observations were taken on every day except the 2nd, 3rd, 16th, 18th, 23rd, 26th, 28th and 29th, groups of sunspots being seen on each day of observation. They were particularly numerous between the 10th and 15th and faculæ were visible throughout:—

Magnetic Disturbances.

Day.	Time.	Disturbance.
3	21½—23½ h.	Wave in H. F. (+15): in dec. (+28).
4 to 5	13—0 h.	Undulations in H. F. (±8).
5	16—18½ h.	Wave in H. F. (—22).
6	¼—1⅝ h.	Wave in H. F. (+26) and double wave in Dec. (+18 to—11).
6	20—20½ h.	Increase in H. F. (28).
6 to 7	23½ h. to 1 h.	Wave in H. F. (+24).
7	21½—23½ h.	Wave in H. F. (+30) sharp at commencement.
8 to 9	16 h. to 10 h.	Loss of H. F. and dec. registers.
9	21¾—23 h.	Wave in H. F. (+12).
10	18—23 h.	Fluctuations in H. F. (±6).
12	¼—2 ¼ h.	Wave in H. F. (+25): in dec. (—12).
13	½—1¾ h.	Wave in H. F. (+22).
22	16 h. 10 m.	Sharp increase in H. F. (26): 18½ h. to 23rd 0 h. irregular decrease in H. F. (90).
23	3¼—4½ h.	Wave in H. F. (+34), in dec. occasional small fluctuations.
23	13—17 h.	Double wave in H. F. (+24 to—24).
23 to 24	20 h. to 18 h.	Small fluctuations in H. F. with wave 24th 16¾ h. to 17½ h. (+14).
29	20½—21½ h.	Wave in H. F. (+15); in Dec. (+25).

T. F. CLAXTON,
Director.

Weather in the Indian monsoon region.

8. Pressure was in large defect at Mauritius and nearly normal at Zanzibar and Seychelles, while winds were much more southerly than usual at Mauritius and normal in direction at the other stations. At Zanzibar and Seychelles the strength of the wind was considerably above the average but at Mauritius it was normal. Rainfall was in defect at Zanzibar and in considerable to large excess at the other two stations.

	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	—·073	—·007	—·022
Actual mean wind direction	S 45° E	N 15° E	N 36° W
Normal mean wind direction	S 81° E	N 33° E	N 21° W
Actual mean wind velocity (miles per diem)	264	195	193
Normal mean wind velocity (miles per diem)	264	161	147
Rainfall departure from normal	+1·52	+2·64	+6·95

Depressions and cyclonic storms.

9. The depression which entered northwest India from Persia on the 30th January had advanced to the east of Central India by 8 hrs. on the 1st February, while the secondary had moved into the central Punjab and had decreased somewhat in intensity. Up to the end of January the disturbance had not been active as a rain producing depression but on the 1st February it gave nearly general rain in the northern districts of northeast India excluding the Brahmaputra valley, the eastern half of the United Provinces, the east of Central India and the hill and submontane districts of upper India. The secondary depression was disappearing in the Simla hills on the morning of the 2nd and the primary had moved eastward, but at the same time it had become very diffuse in character. The precipitation on this date occurred all along the Himalayas and submontane districts and was very heavy in the Simla hills. The primary depression ceased to affect the weather by the 3rd but it was followed by a cold wave which passed right across the country to Burma.

The second important depression of the month appeared over Persia on the 14th on which date rain was reported from Tehran and Bushire: it travelled rapidly eastward and was entering upper Sind on the morning of the 16th, the pressure in its central area being nearly a quarter of an inch in defect, but its eastward movement was now considerably checked and it travelled slowly towards the Punjab hills where it disappeared on the 19th. The depression failed to give any precipitation of importance in the plains and only caused light snow in Kashmir. The depression was chiefly noteworthy for the wave of abnormally high temperature that crossed India in front of it and for the absence of any marked cold wave in the rear.

The third depression made its appearance in Persia on the 22nd and by the morning of the 23rd it had commenced to affect Kashmir where skies began to cloud over. This disturbance developed a small secondary in the Punjab on the 27th and for the time being it completely obliterated all trace of the original, but on the 28th the latter had moved far enough eastward to become separated from the secondary which had in the mean time moved towards the north Punjab. The disturbance gave heavy cloud in Kashmir and along the hills as far east as Bihar but precipitation occurred only in the extreme north of India. On the 29th the secondary had almost disappeared in the Punjab hills after giving rather widespread precipitation in the extreme north while the primary had reached the east of the United Provinces and had caused a few falls of rain in northeast India.

Pressure.

10. Pressure on the mean of the month over the whole of India was ·034″ in defect and this defect was a characteristic feature throughout the country for pressure was nowhere in excess. The deficiency was greatest along the valley of the Indus from Jacobabad to Peshawar where it amounted to nearly ·065″, but on the Baluchistan Plateau and in Kashmir pressure was nearly normal. The vertical pressure gradients were thus less steep than usual and unfavourable for the cold weather rains. In the Eastern Himalayas also pressure was normal and the vertical gradients in northeast India were not as steep as usual, but at the other hill stations of Lashio, Pachmarhi and Mercara the departures from normal of pressure corresponded closely with those at the plains stations in their vicinity. The weak vertical gradients were hence a feature peculiar to northern India and disappeard in Burma and the Peninsula.

The usual tables giving the pressure data for the 14 meteorological divisions and the character of the vertical gradients at a number of stations are appended.

Division.	Departure from normal of mean 8 hrs. pressure.
Burma	—·032
Eastern Bengal and Assam	—·028
Bengal	—·035

Division.	Departure from normal of mean 8 hrs. pressure.
	"
United Provinces	—·049
Punjab	—·048
North-West Frontier Province	—·063
Sind	—·042
Rajputana	—·034
Bombay	—·024
Central India	—·037
Central Provinces	—·028
Hyderabad	—·012
Mysore	—·032
Madras	—·027

Hill Station.	Departure from normal pressure. A	Plain Station.	Departure from normal pressure. B	Departure of pressure difference. B—A.
	"		"	"
Quetta	—·010	Jacobabad	—·063	—·053
Leh	—·012	Lahore	—·068	—·056
Murree	—·016	Peshawar	—·067	—·051
Silma	—·013	Ludhiana	—·029	—·016
Chakrata	—·018	Roorkee	—·051	—·033
Darjeeling	+·015	Dhubri	—·030	—·045
Mount Abu	—·023	Deesa	—·030	—·007
Pachmarhi	—·032	Khandwa	—·026	+·006

Temperature.

11. Maximum temperature was considerably higher than usual in the west of the United Provinces, the Punjab, Sind and Rajputana, but in the rest of India it was normal; at Hyderabad, Bikaner, Khushab and Sialkot the excess for the whole month exceeded 4°. On the other hand the minimum was in defect in Gujarat, the southern half of Rajputana and the northeastern half of the Central Provinces, and was normal in the remainder of the country.

The depression which entered northwest India at the beginning of the month was followed by a cold wave of considerable intensity, which passed right across the head of the Peninsula and the Bay into Burma, it reduced maximum temperature to more than 10° below normal at many stations along its track. As the cold wave was disappearing in Burma a hot wave was advancing into northwest India from the west and a period of abnormally warm weather followed which lasted from the 10th to the 21st. Maximum temperature was at times over 20° in excess in Baluchistan and Sind but the minimum was only slightly affected.

Sub-division.	Actual temperature.					Departure from normal of month of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	85·4	75·2	80·3	10·2	16·5	—2·5	—1·4	— 1·1
2. Lower Burma	88·9	67·2	78·0	21·8	32·9	—0·4	+1·0	— 1·4
3. Upper do.	87·0	57·2	72·1	29·8	40·5	—0·3	0	— 0·3
4. Assam	76·7	55·1	65·9	21·6	33·5	—0·1	+0·4	— 0·5
5. Eastern Bengal	80·1	56·1	68·1	24·0	39·4	+0·2	+0·8	— 0·6
6. Bengal	83·4	58·9	71·2	24·5	43·0	+0·9	+0·3	+ 0·6
7. Orissa	86·0	63·1	74·6	22·9	37·7	—0·5	—0·9	+ 0·4
8. Chota Nagpur	80·8	56·1	68·5	24·8	44·0	—0·5	+1·0	— 1·5
9. Bihar	77·9	53·6	65·8	24·3	40·9	—1·1	—0·2	— 0·9
10. United Provinces, East	79·8	51·5	65·7	28·3	45·7	+1·0	—0·1	+ 1·1
11. Do. do. West	77·4	50·3	63·9	27·1	45·8	+1·8	—0·2	+ 2·0
12. Punjab, East and North	74·4	47·1	60·8	27·3	49·6	+2·9	+1·3	+ 1·6

Sub-division.	Actual temperature.					Departure from normal of month of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily
	°	°	°	°	°	°	°	°
13. Punjab, Southwest	75·0	46·7	60·9	28·3	46·5	+3·3	0	+3·3
14. Kashmir	39·7	19·3	29·5	20·4	46·4	+2·9	+1·9	+1·0
15. North-West Frontier Province	69·2	44·5	56·9	24·7	42·0	+0·2	+0·7	−0·5
16. Baluchistan	61·6	37·9	50·3	23·7	52·7	+3·8	+0·8	+3·0
17. Sind	82·3	52·9	67·6	29·4	53·5	+2·8	−0·8	+3·6
18. Rajputana, West	82·4	49·6	66·0	32·8	55·3	+2·4	−2·6	+5·0
19. Do., East	81·6	50·5	66·0	31·2	52·5	+2·8	−1·3	+4·1
20. Gujarat	85·3	55·9	70·6	29·4	49·6	+0·6	−2·8	+3·4
21. Central India, West	82·9	50·1	66·5	32·8	53·7	+0·6	−2·0	+2·6
22. Do., East	81·6	51·4	66·5	30·3	49·4	+1·7	−0·4	+2·1
23. Berar	89·9	60·1	75·0	29·8	46·0	+1·5	−0·7	+2·2
24. Central Provinces, West	86·2	54·1	70·2	32·1	52·0	+1·0	−1·3	+2·3
25. Do., East	85·6	56·6	71·0	29·0	45·6	−1·4	−0·4	−1·0
26. Konkan	85·3	68·6	77·0	16·7	29·2	0	−0·3	+0·3
27. Bombay Deccan	90·7	57·8	74·2	32·8	46·1	+0·3	−1·1	+1·4
28. Hyderabad, North	89·7	61·5	75·6	28·2	39·4	...	...	...
29. Hyderabad, South	91·8	63·8	77·7	27·8	40·2	0	−1·6	+1·6
30. Mysore	87·9	61·9	74·9	26·0	35·1	+0·3	+0·3	0
31. Malabar	87·6	73·7	80·7	13·9	22·1	−0·4	+0·8	−1·2
32. Madras, Southeast	89·1	68·4	78·7	20·6	30·9	−0·4	−0·5	+0·1
33. Do. Deccan	94·8	65·2	80·0	29·6	40·5	+0·2	−1·2	+1·4
34 Do. Coast, North	85·5	67·8	76·7	17·7	27·0	−0·6	−1·4	+0·8

Division.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Burma	−0·4	+0·6	+0·1
Eastern Bengal and Assam	+0·1	+0·7	+0·4
Bengal	−0·2	0	−0·1
United Provinces	+1·4	−0·1	+0·6
Punjab	+3·0	+0·9	+2·0
North-West Frontier Province	+0·2	+0·7	+0·5
Sind	+2·8	−0·8	+1·0

Division.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Rajputana	+2·7	−1·8	+0·4
Bombay	+0·3	−1·5	−0·6
Central India	+1·1	−1·2	0
Central Provinces	+0·8	−1·0	−0·1
Hyderabad	0	−1·6	−0·8
Mysore	+0·3	+0·3	+0·3
Madras	−0·4	−0·5	−0·4

Winds.

12. The air movement was stronger than usual in the Punjab and weaker in Eastern Bengal and Assam, but in the rest of the country it was normal. The winds were fairly normal in direction except at a few isolated stations and were steadier than usual in the Punjab, Rajputana, Central India and Hyderabad and were very variable in Bengal and the North-West Frontier Province.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	−0·3	− 2
Eastern Bengal and Assam	−0·6	− 1
Bengal	+0·3	− 9
United Provinces	0	0
Punjab	+0·9	+ 4
North-West Frontier Province	−0·4	− 9
Sind	−0·8	+ 5
Rajputana	+0·5	+10
Bombay	−0·7	− 7
Central India	−0·5	+ 9
Central Provinces	+0·5	− 4
Hyderabad	0	+ 5
Mysore	+1·0	0
Madras	+0·5	+ 4

Humidity and cloud.

13. The air contained the normal amount of moisture in northeast India, Burma, the southern half of the Peninsula, Sind and the adjacent districts to the east, but over the rest of the country the absolute and relative amount of moisture in the air was below the average, especially in Central India, the Central Provinces, Hyderabad, and the north of the Bombay Deccan. There was more than the usual amount of cloud in Eastern Bengal and Assam, Mysore and Madras, but in the United Provinces, the Punjab, the North-West Frontier Province, Sind and Rajputana skies were much freer from cloud than usual; in Rajputana there was only about a third of the normal amount of cloud and in the United Provinces a half.

Division.	Hygrometry; 8 hrs.				Cloud.	
	Mean humidity.	Departure from normal.	Mean vapour-tension in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.
	%					
Burma	79	− 1	·535	−·013	1·5	−0·5
Eastern Bengal and Assam.	85	0	·461	+·006	3·2	+0·7
Bengal	74	+ 1	·430	−·002	2·3	+0·1
United Provinces.	63	− 9	·287	−·043	1·3	−1·5
Punjab	64	−11	·251	−·038	1·9	−1·7
North-West Frontier Province.	68	− 6	·235	−·021	3·1	−0·9
Sind	58	− 3	·303	−·06	1·8	−1·0
Rajputana	48	− 3	·222	−·02/	0·8	−1·9
Bombay	56	− 6	·382	−·058	0·9	−0·1
Central India	44	−13	·222	−·078	1·4	−0·3
Central Provinces	41	−13	·243	−·092	1·3	−0·3
Hyderabad	45	−13	·347	−·108	1·1	+0·1
Mysore	63	− 1	·454	−·019	2·7	+0·7
Madras	76	0	·647	−·014	3·0	+0·7

Rainfall

14. February was on the whole a dry month and the rainfall was chiefly received during two well defined periods of disturbed weather, the first at the beginning of the month and the second at the end. The first period was initiated by a cold weather depression from Persia and lasted until the 7th. During this time heavy snow fell in the Simla and Mussoorie hills and heavy rain at their foot, while light rainfall occurred in the rest of the east and north Punjab, the eastern half of the United Provinces, the east of Central India and the northern half of northeast India. On the 5th and 6th unsettled conditions gave rain over the region extending from Nizamabad and Chanda to the southeast of the United Provinces and south Bihar, and including Chota Nagpur. On the 23rd wet weather set in on the south Madras coast and on the 24th and 25th it was raining over south India, south of the latitude of Madras but rainfall ceased in this area on the next day and commenced in the extreme north of India; in the latter area it continued until the end of the month and on the 29th scattered falls had also occurred in northeast India.

The rainfall during the first week was in large excess of the monthly normal in Chota Nagpur, Bihar and the east of the Central Provinces, and was equal to it in the United Provinces. In Mysore and the Madras Deccan excluding the north Madras coast the rainfall from the 25th to the 26th was sufficient to give a very large excess for the whole month. In all other parts of the country there was a deficiency of rainfall, the most important deficiencies occurring in Orissa, Baluchistan, Sind and Rajputana.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			Inches	Inches.	Inches.	
1. Bay Islands	2·0	0·8	1·68	0·54	+1·14	+211
2. Lower Burma	0	0·3	0·02	0·19	−0·17	− 89
3. Upper do.	0·1	0·4	0·03	0·16	−0·13	− 81
4. Assam	3·8	3·3	0·94	1·48	−0·54	− 36
5. Eastern Bengal	1·4	1·4	0·80	0·83	−0·03	− 4
6. Bengal	0·8	1·5	0·37	0·86	−0·49	−57
7. Orissa	0·1	1·3	0·04	0·74	−0·70	− 95
8. Chota Nagpur	2·8	1·6	1·60	0·76	+0·84	+111
9. Bihar	3·1	1·3	1·61	0·55	+1·06	+193
10. United Provinces, East	1·5	1·1	0·48	0·48	0	0
11. Do. do., West	1·2	1·6	0·87	0·87	0	0
12. Punjab, East and North	1·1	2·1	0·54	1·08	−0·54	− 50
13. Do, Southwest	0·5	1·3	0·21	0·55	−0·34	− 62
14. Kashmir	3·4	4·9	1·56	2·91	−1·35	− 46
15. North-West Frontier Province	3·3	2·8	1·11	1·34	−0·23	− 17
16. Baluchistan	0·4	3·7	0·11	1·56	−1·45	− 93
17. Sind	0	0·7	0	0·25	−0·25	−100
18. Rajputana, West	0	0·3	0·01	0·13	−0·12	− 92
19. Do., East	0·1	0·6	0·04	0·26	−0·22	− 85
20. Gujarat	0	0·2	0	0·11	−0·11	−100
21. Central India, West	0·1	0·6	0·02	0·28	−0·26	− 93

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
			Inches.	Inches.	Inches.	
22. Central India, East	1·2	1·3	0·58	0·64	—0·06	— 9
23. Berar	0·1	0·6	0·09	0·23	—0·14	— 61
24. Central Provinces, West	0·8	0·8	0·36	0·38	—0·02	— 5
25. Do. do. East	1·9	0·8	1·85	0·45	+1·40	+311
26. Konkan	0·1	0·1	0·04	0·05	—0·01	— 20
27. Bombay Deccan	0	0·2	0	0·09	—0·09	—100
28. Hyderabad, North	0·3	0·3	0·05	0·16	—0·11	— 69
29. Do., South	0·3	0·4	0·15	0·18	—0·03	— 17
30. Mysore	0·2	0·1	0·13	0·04	+0·09	+225
31. Malabar	0·9	0·2	0·50	0·18	+0·32	+178
32. Madras, Southeast	2·1	0·7	1·43	0·50	+0·93	+186
33. Do. Deccan	0·2	0	0·66	0·11	+0·55	+500
34. Do. Coast, North	0·1	0·6	0·03	0·45	—0·42	— 93

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	0·03	0·18	—0·15	—83
Eastern Bengal and Assam	0·87	1·16	—0·29	—25
Bengal	0·89	0·73	+0·16	+22
United Provinces	0·66	0·66	0	0
Punjab	0·47	0·97	—0·50	— 52
North-West Frontier Province	1·11	1·34	—0·23	—17
Sind	0	0·25	—0·25	—100
Rajputana	0·03	0·23	—0·20	—87

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
Bombay	0·01	0·09	—0·08	—89
Central India	0·21	0·41	—0·20	—49
Central Provinces	0·58	0·34	+0·24	+71
Hyderabad	0·10	0·17	—0·07	—41
Mysore	0·13	0·04	+0·09	+225
Madras	0·74	0·41	+0·33	+80
Mean of India when the size of the above areas is taken into account.	0·40	0·46	—0·06	—13

Snowfall.

I.—AFGHANISTAN.

15. *Kabul.*—Snow fell daily at Kabul during the period from the 7th to 11th giving a total amount much in excess of the normal quantity. The largest amount received on any single day was 26 inches. The total fall of the month was reported as amounting to about 9 feet on the Paghman and 22 feet at Kotal Khawak. At the end of the month the plain of Kabul was clear of snow but on the surrounding hills there was still an accumulation of about 20 to 38 inches.

II.—NORTH-WEST FRONTIER PROVINCE.

(*a*) *Wano.*—Snow fell on the 2nd, 7th, 15th and 29th. The total fall of the month was about normal in amount. The snow line descended to the level of the Wano plain (height 4,500 feet) on the 7th. At the close of the month there was an accumulation of about 3 inches on the peaks.

(*b*) *Tochi.*—Moderate snow fell on the 7th throughout north Waziristan on levels above 4,000 feet.

(*c*) *Dera Ismail Khan.*—A severe snow storm occurred on the 7th on the higher peaks of the Suleiman Range where the fall is said to have been about 7 feet in amount.

(*d*) *Kurram.*—There were in all ten falls, and five of those extended to Parachinar. At the end of the month all the higher passes were blocked.

(*e*) *Kohat.*—There were two or three falls on the hills on the border. The total fall of the month varied from 10 inches on the Samana Range to 2½ feet at Fort Lockhart.

(*f*) *Chitral.*—There were four falls of snow in Chitral itself and seven falls on the neighbouring hills; in the former locality the total fall received during the month measured 9½ inches in depth. Heavy snow is reported to have fallen on the Lowarai Pass.

(*g*) *Hazara.*—The statement below shows the total depth of snowfall during the month on the well-known ranges :—

Name of Range.	Snowfall during month.	
	Feet.	Inches.
Kagan	8	3
Pludran	12	2¾
Narang	17	4¾

III.—KASHMIR.

No information is available.

IV.—PUNJAB.

(*a*) *Murree.*—Snow fell on three days at Murree and on two days on the hills near Kahuta; the total fall amounted to 13½ inches in the former and 2½ feet in the latter locality.

(*b*) *Dalhousie.*—Snow fell on six days to a total depth of about 8½ feet. The fall is said to have been greater at Bakrota, Kalatop, Dain Kund and Khajiar.

(*c*) *Kulu.*—There were occasional snowfalls during the month, the lowest level reached by the snowline being 3,500 feet.

The statement below gives the reported depth of accumulation on the various passes on the 25th February with the normal data for the last day of the month :—

KULU TAHSIL.			SAVAJ TAHSIL.		
Pass.	Depth of accumulation.		Pass.	Depth of accumulation.	
	Reported.	Normal.		Reported.	Normal.
	Feet.	Feet.		Feet.	Feet.
Rohtang	21	17½	Sirikhand	17	18
Hamta	26	15	Chul	6½	10
Barsai	12	7½	Maghin	8½	8½
Chandar Khani	9	11	Dundku	2	10
Boja Dhar	9	8	Tikkar	2	8
Lohri Achhri	10½	10	Nuhnon	3	4½
Bhubu	10½	8	Jalori	4	8½
Majhang	8	3½	Raghopur	4½	9
Bastari	6½	7	Lambri	6	8
Sari	14	12	Sakiran	6	9
			Gargarasan	3	12
			Supakun	3	9
			Bashleo	4	9
			Placha	2	11
			Tirath	4	12½
			Ram Garh	4	2½

It may be noted that except in the case of Hamta the reported values in the above table are characterized as unreliable by the Assistant Commissioner.

(*d*) *Kailang.*—A total fall of 2 feet 9 inches occurred during the month.

(*e*) *Kilba.*—There were three falls on the hills near Kilba. The snow line descended to 5,750 feet, at which level the total fall of the month was estimated at 3 feet 2 inches :—

Name of Pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
	Feet.	Feet.
Rupin Pass	6	15
Brua „	6	15½
Harang „	4	8½
Shatul „	5	14
Buldar „	6	15½
Runang „	5	10

At the end of the month all the passes were closed.

V.—UNITED PROVINCES.

(*a*) *Almora.*—Occasional falls occurred during the month. The total fall was reported as amounting to 12 feet in Malla Johar, 11½ feet in Malla Darma, 10 feet in Byans, 6½ feet in Chandas and 5½ feet in Malla Danpur. The snowline came down to the inhabited area :—

Name of Pass or Peak.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
	Feet.	Feet.
Unta Dhura	12	25
Ralam „	6	20½
Pindari Peak	9	9
Kaphini „	9	9
Kantela „	9	9
Nuwe Pass	24	35
Binkaru Pass	19	37½
Lepu Lekh Pass	22	19
Lampia Pass	23	21½

The snowfall was unusually light and the weather was accordingly warmer than usual.

(*b*) *Garhwal.*—Snowstorms occurred on the 1st, 2nd, 25th, 28th and 29th, those of the 1st and 2nd being severe: the snow line descended to about 5,000 feet on that occasion.

SUMMARY.

16. The snowfall of the month was much in excess of the normal in Afghanistan and in parts of Chitral. Over the greater part of the mountain region of the North-West Frontier Province and in the Western Himalayas on the other hand, snowfall was below the average and the accumulations at the end of the month were not so deep as usual.

Crop Report.

17. *Burma.*—The threshing and winnowing of winter rice were approaching completion. The standing crops in the upper province were generally in fair condition.

Eastern Bengal and Assam.—Land was being prepared for early rice and jute and pruning, hoeing and manuring of tea were in progress. The prospects of standing crops were generally fair.

Bengal.—The condition of spring crops was fair except in Nadia, Murshidabad and Jessore. Land was being prepared for autumn crops and sugarcane was being planted. The stocks of food-grains and the fodder and water supply were insufficient in parts.

United Provinces.—Sugarcane and extra crops were being sown. Prospects of the spring crop were good and the condition of agricultural stock was generally fair except in Hardoi.

Punjab.—Extra spring crops were being sown and land was being prepared for the next autumn crop. The condition of crops was good to average in irrigated lands but in unirrigated tracts were below average.

North-West Frontier Province.—The standing crops were in good condition; and the water supply in canals was sufficient.

Jammu and Kashmir.—In irrigated tracts the condition of standing crops were fair but elsewhere it was poor. Fodder was insufficient in parts.

Rajputana.—Standing crops were doing well and the prospects of the spring harvest were generally favourable. Cattle were in good condition.

Central India.—Prospects of spring crops were fair to good; but in parts of Gwalior and Indore fodder and water were insufficient and they were indifferent in Bhopal.

Central Provinces.—The spring harvest was being reaped and its prospects were fair to good but wheat had withered in parts of the Akola district where the linseed crop was practically a failure.

Bombay.—Standing spring crops were in good condition except in parts of Thar and Parkar, Ahmedabad, the Panch Mahals and East Khandesh, where they were withering for want of moisture. Agricultural stock was generally in good condition.

Hyderabad.—Spring crops were being harvested and land was being prepared in certain tracts for the next monsoon. Water and fodder were scarce in parts.

Mysore.—Prospects of the season were good and cattle was generally healthy.

Coorg.—Threshing of rice was in progress. Harvest prospects were good.

Madras.—Standing crops were generally fair but in some parts were withering, and the condition of cattle was good. Harvesting was being carried on with poor to normal outturn.

J. PATTERSON.

TABLE A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 35 stations, in India, etc., in February, 1908.

Table

Abstract of observations recorded at 10 hrs. and 16 hrs. at

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	I.—Burma.																					
2	Rangoon . .	36	29·943	29·802	·141	29·869	—·044	29·841	92·8	67·1	25·7	98·9	60·8	38·1	80·0	91·9	77·9	+0·6	61·4	69·5	70·4	68·1
	III.—Bengal.																					
6	Calcutta . .	21	·990	·862	·128	·918	—·039	·885	85·2	61·1	24·1	94·1	51·3	42·8	75·8	83·9	72·3	+2·0	58·8	65·2	65·8	63·2
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad . .	308	·680	·560	·120	·609	—·059	·879	91·4	52·4	29·0	92·8	43·8	49·0	70·1	80·5	65·8	+0·9	48·2	56·2	58·8	54·4
11	Dehra Dun . .	2,233	27·694	27·619	·075	27·650	—·053	·900	71·8	47·7	24·1	82·0	41·2	40·8	61·6	68·5	58·3	+1·7	44·2	52·2	54·3	50·2
	V.—Punjab.																					
12	Lahore . .	702	29·253	29·176	·077	29·205	—·076	·902	75·2	47·6	27·6	88·6	38·1	50·5	63·4	73·5	60·3	+3·0	44·2	53·4	56·6	51·4
	VIII.—Rajputana.																					
19	Jaipur . .	1,431	28·565	28·461	·104	28·502	—·036	·914	81·2	50·8	30·4	93·0	41·2	51·8	71·0	79·8	64·9	+0·7	42·8	52·9	56·1	50·6
	Udaipur . .	1,925?	·078	27·960	·118	·014		·908	82·4	48·4†	34·0	94·0	38·6	55·4	71·7	81·6	65·4†		42·7	55·6	61·0	53·1
	IX.—Bombay.																					
26	Bombay . .	37	29·970	29·850	·120	29·904	—·029	·882	83·6	68·3	15·3	90·2	60·4	29·8	75·7	78·8	76·4	+1·6	62·1	66·7	69·5	66·1
	XI.—Central Provinces.																					
24	Nagpur . .	1,017	28·973	28·825	·148	28·891	—·027	·870	90·5	58·4	32·1	97·1	45·9	51·2	77·4	89·0	74·1	−0·2	49·5	59·0	63·9	57·5
	XII.—Hyderabad.																					
29	Hyderabad . .	1,690	·299	·165	·134	·225	—·029	·848	91·3	62·5	28·8	95·6	56·5	39·1	81·0	89·1	76·6	−0·5	55·0	61·7	63·4	60·0
	XIII.—Mysore.																					
30	Bangalore . .	3,021	26·996	26·876	·120	26·933	—·036	·826	86·2	59·6	26·6	89·3	53·0	36·3	76·5	84·2	72·2	+0·2	55·7	62·5	63·0	60·4
	Mysore . . .	2,518	27·488	27·340	·148	27·411	—·031	·822	89·2	63·3	25·9	91·9	57·2	34·7	78·6	87·8	75·6	+0·4	57·8	63·8	63·3	61·6
	XIV.—Madras.																					
32	Periyakulam .	944	29·039	28·883	·156	28·960		·840	89·6	65·0	24·6	93·5	57·1	36·4	79·0	87·8	77·3		60·9	67·5	68·0	65·5
	Pudukkottai .	318	·688	29·534	·154	29·611		·860	90·6	69·1	21·5	94·3	63·1	31·2	80·9	88·7	79·9		66·7	70·1	71·0	69·3
	Madras . .	22	·995	·874	·121	·933	—·033	·887	86·5	69·2	18·3	92·3	63·9	28·4	81·6	83·0	76·5	−0·1	67·8	75·0	75·1	72·6
	Station in the Bay.																					
1	Port Blair . .	61	·909	·800	·109	·852	—·039	·845	85·9	73·6	12·3	88·8	69·8	19·0	81·1	84·4	78·9	−1·7	70·4	74·7	75·6	73·6
	Kashmir.																					
14	Srinagar . .	5,204	24·933	24·861	·072	24·893	—·044	24·864	48·5	30·8	17·7	65·1	24·1	41·0	38·5	46·6	37·9	+4·9	29·0	35·9	43·0	36·0
	Leh . . .	11,503	19·616	19·540	·076	19·577	—·016	19·546	33·9	12·2	21·7	48·6	—1·1	49·7	24·6	30·1	21·3	+2·5	10·3	20·4	23·6	18·1
	Baluchistan.																					
16	Quetta . .	5,502	24·673	24·596	·077	24·628	—·019	24·568	57·3	31·3	26·0	75·2	17·2	58·0	48·1	54·7	44·1	+1·9	28·4	37·2	40·0	35·2

N.B.—Elevations in italics indicate barometric determinations.

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

† Mean of 28 days.

A.

35 stations, in India, etc., in February, 1908.

Vapour Tension in inches of mercury.					Humidity.					Cloud.				Wind Direction. Total number of 10 hrs. and 16 hrs. winds from											Wind Steadiness.		Wind Velocity.		Rainfall.		Station.	Number of subdivision.
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%					I.—Burma.	
·573	·581	·461	·562	—·043	86	57	31	64	— 5	1·2	1·1	1·2	—0·6	7	9	10	4	1	10	3	10	4	N 27° W	S 42° W	13	16	38*	91	0	0	Rangoon.	2
																															III.—Bengal.	
·475	·490	·398	·480	—·005	87	55	35	62	— 4	1·7	1·5	1·6	—0·6		4	3		4	3	26	3	15	S 75° W	N 73° W	48	25	107	79	0	0	Calcutta	6
																															IV.—United Provinces of Agra and Oudh.	
·290	·272	·204	·269	—·058	72	39	22	49	— 9	1·7	2·2	2·0	—0·4	2	1	10	7	1	1	2	19	15	N 46° W	N 63° W	40	34	98*	108	0·17	0·15	Allahabad.	10
·248	·277	·251	·269	—·013	75	52	38	57	— 5	2·1	3·7	2·9	—1·5	9	2	9	9	8	13	3	3	2	S 52° E	S 85° W	31	29	35	41	5·85	3·22	Dehra Dun.	11
																															V.—Punjab.	
·249	·279	·241	·264	—·023	76	49	30	55	— 7	1·8	2·3	2·1	—1·8	2	9	1	3	9	3	1	12	18	N 51° W	N 30° W	34	30	89*	53	0	0	Lahore.	12
																															VIII.—Rajputana.	
·180	·183	·163	·182	—·080	49	24	16	33	—14	0·9	0·9	0·9	—2·2		8	7	5	3	1	6	8	20	N 36° W	N 20° W	41	33	94	91	0·01	0·01	Jaipur.	19
·212	·254	·297	·256		51	31	27	36		0·5	0·6	0·6		5	2	5	12	9	1	8	12	4	S 19° E		9		95*		0	0	Udaipur.	
																															IX.—Bombay.	
·480	·539	·607	·565	—·054	69	60	61	67	— 4	0·7	0·5	0·6	—0·6		5	8	11	1	1		4	28	N 13° W	N 1° W	52	57	239	250	0·07	0·07	Bombay.	26
																															XI.—Central Provinces.	
·253	·277	·286	·274	—·070	51	30	22	35	— 8	0·7	1·3	1·0	—1·2	2	16	9	5	2	8	5	5	6	N	N 42° E	26	19	109*	106	0·26	0·20	Nagpur.	24
																															XII.—Hyderabad	
·350	·313	·264	·307	—·135	60	30	20	38	—12	1·2	2·2	1·7	—0·3	33		9	4	10	1			1	S 86° E	S 51° E	27	27	47*	98	0	0	Hyderabad	29
																															XIII.—Mysore.	
·406	·407	·335	·388	—·019	78	46	29	53	— 1	2·1	2·2	2·2			2	15	24	4	10	3			S 86° E	S 69° E	60	59	186*	120	0	0	Bangalore.	30
·420	·416	·284	·378	—·059	71	43	22	47	— 6	3·5	4·7	4·1	+1·0		2	14	22	11	3	3	2	1	S 89° E	N 87° E	60	56	200*	190	0·01	0·01	Mysore.	
																															XIV—Madras.	
·502	·523	·438	·485		79	53	35	56		4·0	3·8	3·9		7	1	3	8	24	4	4	5	2	S 43° E		46		51*		2·19	1·04	Periyakulam.	32
·628	·612	·527	·589		88	58	40	62		5·4	4·3	4·9		1	7	28	11	5		3		3	N 53° E		65		98*		0·77	0·39	Pudukkottai.	
·682	·781	·768	·766	+·051	98	72	68	82	+ 4	3·0	2·6	2·8	—0·4	1		13	22	13	9				S 77° E	S 84° E	71	72	89	120		0·27	Madras.	
																															Station in the Bay.	
·702	·775	·768	·772	—·065	84	72	65	77	— 2	5·1	5·1	5·1	+2·0	2	14	34	6	2					N 41° E	N 42° E	82	71	114*	120	3·35	1·07	Port Blair.	1
																															Kashmir	
·141	·189	·252	·190	+·016	81	78	75	78‡	— 6	6·7	6·4	6·6	0	9	7	3	2	8		2	4	15	N 54° W	S 9° W	14	8	105*	84	2·25	0·50	Srinagar.	11
·058	·078	·079	·071	+·004	74	59	51	64	0	5·7	7·4	6·6	—0·2		3	9	5	5	17	12	6	1	S 1° W	S 9° W	33	25	68	31	0·46	0·21	Leh.	
																															Baluchistan	
·132	·118	·101	·127	—·044	78	38	27	50	—17	2·0	2·7	2·4	—1·8	10	5	2		3	5	3	12	17	N 69° W	N 31° W	43	30	121*	94	0·03	0·03	Quetta.	16

*Corrected. ‡ Mean of three previous columns.

Table

Abstract of observations taken at 10 hrs. and 16 hrs. at

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Hill Stations excluding Kashmir and Baluchistan.																					
	Simla	7,224	23·098†	23·051	·047	23·068†	−·010	23·031†	49·4	38·1	11·3	62·2	25·1	37·1	44·0†	46·7	43·6	+3·0	31·7	35·5†	38·1	35·1
	Sarain		·143	·090	·053	·105			49·7	30·0	19·7	60·5	20·5	40·0	43·7	42·0	39·7			35·8	36·1	
	Kalabagh									Register not received.												
	Chakrata	7,022	·274	·225	·049	·234	−·021	·194	56·2	38·7	17·5	70·3	26·7	43·6	47·2	43·8	47·3	+3·8	32·7	38·3	40·8	37·3
	Muktesar	7,556	22·859	22·802	·057	22·824		22·781	53·9	38·7	15·2	62·7	29·7	33·0	46·6	50·8†	46·1		31·5†	37·2	40·8†	36·5
	Katmandu	4,388	25·695	25·583	·112	25·636	−·012‡	25·590	68·7	39·6	29·1	76·9	34·0	42·9	54·9	65·7	54·0	+1·5‡	37·8	48·6	52·3	46·2
	Darjeeling	7,376	23·011	22·972	·039	22·989	0	22·943	51·2	37·4	13·8	54·9	32·4	22·5	45·3	46·8	44·1	+2·5	35·5	42·2	43·7	40·5
	Pachmarhi	3,528	26·517	26·434	·083	26·467	−·032	26·413	77·2	50·5	26·7	85·3	39·1	46·2	66·9	75·4	63·7	+0·4	42·2	50·5	53·6	48·8
	Mount Abu	3,945	·117	·044	·073	·071	−·023	·022	69·2	54·1	15·1	79·2	37·9	41·3	64·6	67·6	61·4	+0·4	42·2	47·0	49·5	46·2
	Chikalda	3,642	·407	·310	·097	·350	−·052	·294	79·9	57·0	22·9	87·3	48·3	39·0	69·4	76·0	68·3	−0·2	47·5	54·2	57·2	53·0
	Ootacamund	*7,322*	23·098	23·018	·080	23·048		22·985	66·2	44·8	21·4	71·0	36·2	34·8	61·8	62·7	55·3		38·8	47·9	50·7	45·8
	Kodaikanal	7,688	22·867	22·792	·075	22·820		·765	65·2	48·3	16·9	72·6	42·8	29·8	60·4	60·1	56·7		40·0	48·2	51·9	46·7
	Dodabetta	8,539	670	·011	·059	·031		21·968	59·0	45·8	13·2	65·8	39·9	25·9	55·3	56·9	52·2		40·0	44·7	46·9	43·9
	Extra India.																					
	Minicoy	7	29·989	29·878	·111	29·936																
	Zanzibar	72	·905	·769	·136	·839	−·007	29·837	86·5	78·8	7·7	10·4	76·7	13·7	81·9	85·6	81·7	−1·0	73·5	75·6	76·6	75·2
	Diego Garcia									Observation not received.												
	Seychelles	15	·944	·854	·090	·907	−·022‡	·846	83·2	77·9	5·3	86·3	74·2	12·1	80·7	81·3	79·5	+0·4‡	72·0	75·5	75·7	74·4
	Mauritius	181				·869	−·073	·793				87·9	65·5	22·4			77·6	−0·9				72·9

N.B.—Elevations in italics indicate barometric determinations.

Note—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

† Mean of 28 days.

‡ Departure from old normals.

§ Snow water.

A—*concluded.*

35 stations, in India, etc., in February, 1908—concluded.

Vapour Tension, in inches of mercury.					Humidity.					Cloud.				Wind Direction. Total number of 10 hrs. and 16 hrs. winds from										Wind Steadiness.		Wind Velocity.		Rainfall.		Station.	Number of subdivision.
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															Hill Stations excluding Kashmir and Baluchistan.	
·115	·106†	·143	·131	—·028	54	38†	48	50	−11	2·6	5·6	4·1	−1·6	11	15	1			23	2	1	4	S 37° W	S 11° E	12	25	** 161*	120	4·70	2·50	Simla¶	
	·133	·155				50	59			3·6	4·1	3·9		11	2	8		1	27	9			S		16		78*		6·42§	2·83	Sarain.	
												Register not received.																			Kalabagh.	
·128	·142	·176	·159	—·014	57	48	53	56	−10	2·2	3·2	2·7	−2·2	21	8			8	19			2	S 16° E	S 6° W	27	4	144*	151	6·67	3·05	Chakrata.	
·106†	·128	·153†	·139		46†	43	45†	48		2·8	3·7	3·3		11		1	3	7	7	3	26		S 55° W		42		247*		2·64	1·20	Muktesar.	
·207	·275	·244	·285	+ ·025	85	64	39	66	− 3	2·0	3·5	2·8	−0·7	1	1	3	20	2		3	26	2	N 75° W	N 87° W	7	47	22	29	0·12	0·17	Katmandu.	
·190	·242	·256	·239	+·016	84	79	79	84	+ 1	5·8	6·8	6·3	+0·3	7	3	1	4	2		24	11	6	S 68° W	S 83° W	48	31	104*	132	1·19	0·65	Darjeeling.	
·178	·184	·164	·179	−·081	4	29	20	36	−13	0·7	0	0·4	−1·9		11	6	2	3		8	8	20	N 42° W	N 69° W	50	25	132*	106	0	0	Pachmarhi.	
·140	·125	·161	·146	—·042	34	21	24	30	− 4	0·3	0·7	0·5	−1·9	1	9	4	1	1	3	16	10	13	N 77° W	N 66° W	46	28	168*	146	0·16	0·16	Mount Abu.	
·226	·249	·253	·247	−·026	49	35	29	42	− 1	1·0	0·9	1·0	−0·8	3	4	3			2	28		18	S 85° W	N 81° W	54	24	166*	156	0	0	Chikalda.	
·177	·195	·249	·222		58	35	44	49		2·1	4·5	3·3		1	8	12	22	10	2		1	2	N 76° E		62		108*		1·15	0·73	Ootacamund.	
·174	·223	·309	·238		50	42	61	51		3·0	5·6	4·3			14	9	12	9	4	1		9	N 49° E		41		329		4·99	2·38	Kodaikanal.	
·192	·190	·22	·216		61	43	48	54		2·7	4·7	3·7			23	16	7	7	2			3	N 36° E		56		457*		1·24	0·92	Dodabetta.	
																															Extra India.	
										2·1	2·8	2·5			29	13	5					11	N 8° E		79		103*		0·36	0·18	Minicoy.	
·767	·804	·794	·802	−·068	77	74	65	74	− 3	6·7	4·9	5·8	+1·2	1	23	13	6	1	4	2	1	7	N 15° E	N 33° E	57	55	195*	161	0·32	0·17	Zanzibar.	
												Observations not received.																			Diego Garcia.	
·714	·818	·819	·807	−·035	74	78	76	79	− 4	7·2	7·7	7·5	+1·0‡	7	14	1					6	30	N 36° W	N 21° W	76	53	193	147	19·09	6·96	Seychelles.	
			·723	−·034				76	− 2			5·8	−0·5										S 45° E	S 81° E			264	264	8·77	3·10	Mauritius.	

* Corrected.

** Mean of 27 days.

¶ Wind observations less .

Table B.—Abstract of observations taken at 8 hrs. at 238 stations in India, etc., in February, 1908.

(1) Provincial means.

(2) Data of stations.

(1) Provincial means based on the material in Table B (2) except that the statement of rainfall depends on the complete data of about 2,700 stations.

	Pressure departure from normal.	Temperature of air.								Wind.		Hygrometry.				Cloud.		Rainfall.		
		Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Absolute range during month.	Departure of velocity from normal.	Departure of steadiness from normal.	Mean humidity.	Departure from normal.	Mean vapour tension.	Departure from normal.	Mean cloud amount.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.
Burma	—·032	88·0	—0·4	62·2	+0·6	75·1	+0·1	25·8	36·7	—0·3	— 2	79	—1	·535	—·013	1·5	—0·5	0·03	0·18	—0·15
Eastern Bengal and Assam	—·028	79·1	+0·1	55·3	+0·7	67·5	+0·4	23·3	37·7	—0·6	— 1	85	0	·461	+·006	3·2	+0·7	0·87	1·16	—0·29
Bengal	—·035	81·4	—0·2	57·2	0	69·3	—0·1	24·2	41·4	+0·3	— 9	74	+ 1	·430	—·002	2·3	+0·1	0·89	0·73	+0·16
United Provinces of Agra and Oudh.	—·049	78·5	+1·4	50·9	—0·1	64·7	+0·6	27·7	45·8	0	0	63	— 9	·287	—·043	1·3	—1·5	0·66	0·66	0
Punjab	—·048	74·6	+3·0	47·0	+0·9	60·8	+2·0	27·6	48·7	+0·9	+ 4	64	—11	·251	—·038	1·9	—1·7	0·47	0·97	—0·50
North-West Frontier Province	—·063	69·2	+0·2	44·5	+0·7	56·9	+0·5	24·7	42·0	—0·4	— 9	68	— 6	·235	—·021	3·1	—0·9	1·11	1·34	—0·23
Sind	—·042	82·3	+2·8	52·9	—0·8	67·6	+1·0	29·4	53·5	—0·8	+ 5	58	— 3	·303	—·016	1·8	—1·0	0	0·25	—0·25
Rajputana	—·034	81·9	+2·7	50·1	—1·8	66·0	+0·4	31·8	53·5	+0·5	+10	48	— 3	·222	—·027	0·8	—1·9	0·03	0·23	—0·20
Bombay	—·024	86·9	+0·3	59·6	—1·5	73·3	—0·6	27·3	43·4	—0·7	— 7	56	— 6	·382	—·058	0·9	—0·1	0·01	0·09	—0·08
Central India	—·037	82·2	+1·1	50·7	—1·2	66·5	0	31·5	51·5	—0·5	+ 9	44	—13	·222	—·078	1·4	—0·3	0·21	0·41	—0·20
Central Provinces	—·028	86·9	+0·8	56·2	—1·0	71·6	—0·1	30·7	48·9	+0·5	— 4	41	—13	·243	—·092	1·3	—0·3	0·58	0·34	+0·24
Hyderabad	—·012	90·8	0	62·8	—1·6	76·8	—0·8	28·0	39·8	0	+ 5	45	—13	·347	—·108	1·1	+0·1	0·10	0·17	—0·07
Mysore	—·032	87·9	+0·3	61·9	+0·3	74·9	+0·3	26·0	35·1	+1·0	0	63	— 1	·454	—·019	2·7	+0·7	0·13	0·04	—0·09
Madras	—·027	88·8	—0·4	68·8	—0·5	78·8	—0·4	20·0	29·8	+0·5	+ 4	76	0	·647	—·014	3·0	+0·7	0·74	0·41	+0·33

Table

(2) *Abstract of observations taken at 8 hrs. at 238*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of Air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma.																						
	Mergui	56	29·903	—·024	29·890	30·012	7th	29·831	17th & 29th.	·181	76·4	90·0	+0·4	72·1	+3·0	81·1	+1·7	17·9	95·9	16th	64·9	1st & 2nd.	31·0
	Tavoy	19	29·956	—·029	29·907	30·062	7th	29·886	17th	·176	71·1	92·0	+0·9	68·0	+1·2	80·0	+1·1	24·0	95·5	18th	56·8	1st	38·7
	Moulmein	94	29·872	—·024	29·906	29·969	8th	29·805	29th	·164	72·1	91·7	+0·2	68·7	+1·0	80·2	+0·6	23·0	96·5	19th	63 8	2nd	32·7
	Rangoon	36	29·918	—·045	29·892	30·016	8th	29·836	29th	·180	70·3	92·4	—0·4	67·1	+1·2	79·7	+0·4	25·3	98·1	29th	60·9	12th	37·2
	Bassein	27?	29·933	—·029	29·898	30·026	7th	29·862	29th	·164	69·9	89·9	—0·1	66·0	+1·1	77·9	+0·5	23·9	94·7	29th	58·9	12th	35·8
	Diamond Island	41	29·913	—·047	29·889	30·009	8th	29·825	29th	·184	76·5	82·3	—1·9	73·5	+1·2	77·9	—0·4	8·8	86·4	18th	70·7	12th	15·7
	Toungoo	164	29·800	—·020	29·912	29·902	8th	29·715	18th	·187	67·8	90·3	—0·6	60·4	—0·7	75·3	—0·7	29·9	95·4	27th & 28th.	54·6	12th & 13th.	40·8
	Kyaukpyu								Observatory		not	opened.											
	Akyab	20	29·917	—·017	29·910	30·053	8th	29·875	29th	·178	64·3	82·8	—2·0	61·5	0	72·2	—1·0	21·3	88·9	29th	57·3	10th	31·6
	Thayetmyo	121	29·840	—·022	29·907	29·940	6th	29·756	29th	·184	66·8	83·4	+0·8	57·2	+0·3	75·3	+0·6	36·2	97·5	20th & 29th.	49·9	10th	47·6
3	Minbu	*165*	29·791*	—·023	29·905*	29·892	7th	29·726	19th	·166	66·3	91·4	—0·2	61·2	0	76·4	—0·1	30·2	97·2	29th	56·1	3rd	41·1
	Yamethin	657	29·264	—·038	29·895	29·377	7th	29·201	18th	·176	66·3	91·1	—1·4	59·9	—0·7	75·6	—1·1	31·2	95·8	29th	55·5	12th	40·3
	Mandalay	250	29·702†	—·021	29·910†	29·803	6th	29·629	10th	·174	67·8†	91·4†	+1·5†	60·7†	+0·6†	76·1†	+1·1	30·7	96·5	29th	56·3	17th	40·2
	Monywa	*280*	29·705		29·924	29·812	6th	29·637	10th	·175	65·6	89·2		61·1		75·2		28·1	94·3	28th	55·1	13th	39·2
	Lashio	*2,751*	27·133	—·046	27·079	27·204	8th	27·061	19th	·143	55·2	78·6	—0·4	48·7	0	63·7	—0·2	29·9	82·3	20th	42·0	16th	40·3
	Bhamo	*381*	29·593?	—·001?	29·950?	29·717	6th	29·507	24·h	·210	58·7	80·4	—1·8	53·1	0	66·8	—0·9	27·3	8·9	29th	47·6	17th	38·3
	Myitkyina	458	29·486		29·925	29·624	6th	29·394	10th	·230	61·3	80·3		55·3		67·8		25·0	85·7	29th	48·6	17th	37·1
	II.—Eastern Bengal and Assam.																						
	Dibrugarh	353	29·634		29·966	29·772	8th	29·556	20th	·216	58·7	73·2		56·3		61·8		16·9	80·4	19th	50·6	14th	29·8
4	Sibsagar	333	‡ 29·703?	—·006?	‡ 30·011?	29·863	8th	29·632	21st	·231	* 58·7	72·0*	—1·1*	54·1*	+0·8*	63·1*	—0·2	17·9	78·6	20th	48·2	16th	30·4
	Tezpur	252	29·740		29·966	29·800	8th	29·633	20th	·267	57·4	76·2		55·5		65·9		20·7	82·1	29th	51·4	9th & 10th.	30·7
	Gauhati	195	29·808		29·971	29·991	8th	29·697	20th	·294	57·5	79·1		52·5		65·8		26·6	85·0	29th	47·1	9th & 24th.	37·9
	Dhubri	115	29·864	—·030	29·942	30·050	8th	29·750	20th	·300	59·4	77·9	—0·1	56·0	0	67·0	—0·1	21·9	85·7	28th	51·8	8th	33·9
	Silchar	104	29·900	—·033	29·962	30·072	8th	29·828	15th	·244	61·5	81·7	+1·0	56·1	+0·5	68·9	+0·8	25·6	88·0	29th	49·8	9th	38·2
	Cox's Bazar								Observatory		not	opened.											
5	Chittagong	87	29·909	—·021	29·949	30·099	8th	29·841	29th	·258	64·5	82·8	+0·5	59·2	+0·2	71·0	+0·4	23·6	89·1	29th	52·9	10th	36·2
	Noakhali	43	29·936		29·928	30·124	8th	29·863	11th	·261	64·2	80·3		58·8		69·6		21·5	87·3	28th	47·4	9th	39·9
	Barisal	12	29·978*	—·022	29·937*	30·173	8th	29·903	29th	·270	66·7	82·2	+0·5	60·3	+0·6	71·3	+0·6	21·9	88·3	29th	49·1	9th	39·2
	Comilla	36	29·951		29·936	30·140	8th	29·871	29th	·269	63·6	83·9		57·5		70·7		26·4	90·8	28th	46·3	9th	44·5
	Narayanganj	26	29·959	—·029	29 935	30·156	8th	29·892	12th, 20th, & 29th	·264	63·	82·3	+0·1	58·9*	+0·3	70·5*	+0·2	23·4	89·0	21st, 28th 29th	49·8	8th & 9th.	39·2
	Faridpur	46	29·939		29·940	30·134	8th	29·855	29th	·279	62·4	82·2		55·3		68·8		26·9	91·3	29th	46·4	9th	44·9
	Sirajganj	49	29·939		29·940	30·127	8th	29·842	20th	·285	60·3	80·1		55·3		67·8		24·8	88·3	21st, 27th	47·3	8th	41·0
	Mymensingh	63	29·931	—·025	29·948	30·114	8th	29·851	20th	·263	62·5	79·4	+1·0	57·5	+1·9	68·5	+1·5	21·9	87·1	28th	51·1	9th	36·0
	Bogra	75	29·909	—·022	29·940	30·086	8th	29·816	20th	·270	61·3	79·6	—0·6	55·4	+0·9	67·5	+0·2	24·2	89·2	21st	48·7	8th	40·5
	Rampur Boalia	70	29·912		29·934	30·100	6th	29·797	20th	·303	62·6	80·4		55·2		67·8		25·2	89·1	21st, 27th	47·1	8th	42·0
	Malda	72	29·897		29·925	30 083	8th	29·784	20th	·299	59·8	77·7		54·5†		66·2†		23·2	85·8	21st	48·0	9th	37·8
	Dinajpur	123	29·848	—·037	29·934	30·027	8th	29·735	20th	·292	57·8	78·5	—0·9	52·8	—0·3	65·7	—0·6	25·7	87·3	21st	47·5	4 days	39·8
	Rangpur	123	29·859		29·945	30·037	6th	29·757	20th	·280	59·6	78·0		52·6		65·3		25·4	85·6	21st	47·0	8th	38·6

* Mean of 28 days.
† " 27 "
‡ Mean of 26 days.

N.B.—Elevations in italics indicate barometrical determinations.
NOTE—The barometric readings are not reduced to sea-level, in the cases of hill or plateau

B.

stations, in India, etc., in February, 1908.

Wind Direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs., in inches of mercury.	Departure from normal, in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 29th Feb. 1908.	Normal rainfall for period, 1st Dec. to 29th February.	Departure from normal of period, 1st Dec. to 29th Feb. 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																I.—Burma.
29									(a)	N 8° W	1·6	2·1	−0·5			86	+ 3	·768	+·011	2·5	−1·1	1	2·80	−1·80	0·52	1·73	− 1·21	0·52	3·02	− 2·50	0·49	Mergui.
29									(a)	N 54° W	1·0§	1·4	−0·4			89	+ 1	·685	− ·009	2·7	+0·3	0	0·80	−0·80	0·02	0·65	− 0·63	0·11	0·92	−0·81	0·02	Tavoy.
12	1	9	4	3					N 67° E	N 84° E	3·2	2·3	+0·9	46	− 2	86	+ 2	·679	+·003	0	−1·3	0	0·50	−0·50	0	0·25	− 0·25	0·15	0·66	− 0·51	0	Moulmein.
7	10	5	2		1		2	2	N 8° E	S 67° W	4·5	3·8	+0·7	49	+ 2	79	− 6	·585	−·048	2·7	+1·5	0	0·40	−0·40	0	0·31	− 0·31	1·37	0·52	+ 0·85	0	Rangoon.
9	2					2	8	8	N 68° W	N 43° W	6·0	4·5	+1·5	56	− 3	89	+ 2	·654	−·015	1·0	−1·0	0	0·30	−0·30	0	0·29	− 0·29	3·22	0·53	+2·66	0	Bassein.
1	12	2	1					13	N 17° W	N 9° W	1·4	8·8	−7·4	85	+ 0	74	− 2	·681	−·015	1·6	−0·7	0	0·40	−0·40	0	0·07	− 0·07	6·37	0·98	+ 5·39	0	Diamond Island.
9	6	3		2	1	1		7	N 11° W	N 6° E	2·4	1·9	+0·5	36	+ 1	82	− 2	·564	+·009	1·0	−0·3	0	0·30	−0·30	0	0·15	− 0·15	2·18	0·40	+ 1·78	0	Toungoo.
												Observatory not operated.																				Kyaukpyu.
1	11	13	4						N 33° E	N 24° E	4·0	3·5	+0·5	85	+ 2	87	+ 5	·530	−·010	0·3	−0·9	0	0·30	−0·30	0	0·12	− 0·12	3·03	0·88	+ 2·15	0	Akyab.
	9	3	1	4	4	5	1	2	N	N 50° W	6·1§	3·5	+2·6	8	− 35	60	− 6	·396	−·050	1·0	+0·4	0	0·10	−0·10	0	0·04	− 0·04	1·60	0·21	+ 1·39	0	Thayetmyo.
7			1	4	2	4	1	10	S 85° W	N 70° W	4·7§	6·3	−1·6	25	+ 7	59	− 5	·386	−·058	1·0	+0·2	0	0·10	−0·10	0	0·03	−0·03	0·38	0·66	− 0·28	0	Minbu.
11	3			10	3			2	S 45° E	S 63° E	2·7	3·1	−0·4	29	+17	69	− 1	·454	−·013	1·2	+0·5	0	0·30	−0·30	0	0·38	− 0·38	1·09	0·95	+ 0·14	0	Yamethin.
19	2				6				S	S 30° W	3·0†	2·4	+0·6	14	+ 3	65†	− 4	·440†	−·015	0·1†	−1·0	0	0·30	−0·30	0	0·05	− 0·05	1·22	0·39	+ 0·83	0	Mandalay.
7	9							13	N 27° W		3·0			70		73		·464		0·3		0	0	0	0	0	0	0·89	0·15	+ 0·74	0	Monywa.
24		1	2			1	1		E		3·8§			3		82	0	·361	+·009	0·7	−3·7	0			0	0·29	− 0·29	3·48	1·34	+ 2·14	0	Lashio.
2		4	1			2	1		N 45° E	N 18° W	1·7	2·8	−1·1	4	−20	92	+ 5	·457	+·023	2·4	−0·4	0	1·10	−1·10	0·05	0·39	−0·34	3·96	1·53	+ 2·43	0·05	Bhamo.
29									(a)		5·4§					84		·459		5·7		0			0·09			1·62			0·09	Myitkyina.
																																II.—Eastern Bengal and Assam.
27	1		1						N 45° E		0·2			4		94		·460		7·1		5	6·70	−1·70	2·21	2·56	− 0·35	3·74	4·89	−1·15	1·25	Dibrugarh.
23		1			1	3			S 31° W	N 48° E	1·2*	2·3	−1·1	7	−29	92*	− 6	·455*	−·003	7·0*	+1·1	4	4·90	−0·90	1·78	1·98	− 0·20	3·74	3·86	− 0·12	0·96	Sibsagar.
8		13	5	2		1			N 65° E		4·2			55		90		·427		2·6		3	2·60	+0·40	0·86	0·87	− 0·01	1·99	1·95	+ 0·04	0·32	Tezpur.
20		1	1	3	4				S 36° E		2·2			25		89		·425		3·5		1	1·80	−0·80	0·34	0·73	− 0·39	0·84	1·61	− 0·77	0·25	Gauhati.
6	1	1	15		5	1			S 75° E	N 67° E	5·2	4·3	+0·9	56	+25	86	+ 2	·443	+·016	2·5	+0·3	3	1·20	+1·80	0·70	0·48	+ 0·22	1·27	0·98	+ 0·29	0·27	Dhubri.
16			9	4					S 77° E	S 63° E	3·6	2·4	+1·2	42	+34	84	− 3	·463	−·029	2·8	−0·9	1	3·70	−2·70	0·44	2·31	− 1·87	2·61	3·49	− 0·88	0·25	Silchar.
												Observatory not opened.																				Cox's Bazar.
11	2	7	2	4	1		1	1	N 64° E	N 45° E	1·6	3·9	−2·3	32	−23	81	0	·512	−·011	0·7	−1·6	1	1·39	−0·39	1·18	0·98	+ 0·20	2·32	2·13	+0·19	1·18	Chittagong.
14	2	6	3		2	1	1		N 56° E		2·8			28		88		·537		3·2		2	1·81	+0·19	1·11	1·00	+ 0·11	1·62	1·82	− 0·20	0·75	Noakhali.
21	2	3	1		1	1			N 45° E	N 13° W	1·0	2·1	−1·1	11	+ 3	88	+ 3	·578	+·019	1·9	−0·5	0	1·77	−1·77	0	1·04	− 1·04	1·19	2·31		0	Barisal.
22			1	1	3	2			S 3° E		1·6			9		88		·527		2·1		0	2·18	−2·18	0	0·97	− 0·97	1·04	1·73	−0·69	0	Comilla.
14		2	3	3		4	1	2	S 27° E	N 27° W	2·3	2·9	−0·6	7	− 1	84	0	·496	−·015	3·2	+0·2	0	2·12	−2·12	0	1·28	− 1·28	1·33	1·82	− 0·49	0	Narayanganj.
15	5			1	5	1		2	W		1·9					84		·479		3·3		0	2·00	−2·00	0	1·32	− 1·32	1·57	1·99	− 0·32	0	Faridpur.
24		2	1		1		1		N 75° E		1·5			2		86		·455		2·6		1	1·57	−0·57	0·60	0·91	− 0·31	1·49	1·49		0·56	Sirajganj.
19	2		3	2	1			2	N 72° E	N 74° E	1·0	1·9	−0·9	11	−20	83	− 2	·468	+·011	7·8	+5·7	3	1·48	+1·52	1·14	1·03	+ 0·11	2·35	1·58	+0·77	0·66	Mymensingh.
21		5	1				1	1	N 35° E	N 27° W	1·6	2·4	−0·8	18	+ 7	79	0	·436	+·015	2·0	·0·2	4	1·52	−2·48	2·83	0·85	+ 1·98	3·71	1·44	+ 2·27	1·28	Bogra.
28									(a)		0·1					74		·429		1·9		2	1·35	+0·65	0·91	0·84	+ 0·07	1·95	1·25	+ 0·70	0·56	Rampur Boalia.
12	1	4	1		3	2	2	4	N 27° W		3·3§			7		87		·453		2·1		2	1·23	+0·77	2·77	0·75	+ 2·02	3·90	1·67	+ 2·23	1·50	Malda.
13	3	5	2			2	3	1	N 4° E	N 83° W	2·6	3·6	−1·0	20	− 9	86	+ 6	·414	+·021	2·9	+1·4	3	1·39	+1·61	1·39	0·37	+ 1·02	1·63	0·92	+ 0·71	0·70	Dinajpur.
12		4	1	2		2	6	2	N 76° W		1·4*			14		77		·397		2·2		2	1·13	+0·87	0·81	0·43	+ 0·38	1·28	1·01	+ 0·27	0·50	Rangpur.

stations, the elevations of which exceed 3,200 feet. (a) Indeterminate. § Uncorrected. ‖ Mean of 17 days. ** Mean of 21 days..

Table

(2) *Abstract of observations taken at 8 hrs. at 238*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	II—Eastern Bengal and Assam—*concld.*																						
	Jalpaiguri	283	29·694	−·031	29·950	29·853	6th	29·501	20th	·262	58·7	77·1	+0·6	54·8	+2·0	65·9	+1·3	22·3	83·4	19th, & 21st.	48·6	8th	34·8
	Cooch Behar	156	29·841		29·963	30·016	8th	29·730	20th	·286	57·8	76·6		54·0		65·3		22·6	83·3	21st	46·6	8th	36·7
	III.—Bengal.																						
6	Saugor Island	25	29·949	−·042	29·919	30·155	8th	29·850	29th	·305	70·0	82·1	+0·9	66·2	+0·7	74·1	+0·8	15·9	87·0	25th	55·0	9th	32·0
	Midnapore	149	29·819		29·921	30·027	8th	29·704	29th	·323	66·6	87·2		61·4		74·3		25·8	97·3	29th	52·7	9th	44·6
	Calcutta	21	29·964	−·039	29·932	30·169	8th	29·853	29th	·316	65·5	84·8	+2·8	60·7	+0·3	72·8	+1·6	24.1	94·1	29th	51·2	9th	42·9
	Jessore	33	29·962	−·023	29·943	30·163	8th	29·863	29th	·300	64·8	83·0	−0·1	57·7	+0·4	70·4	+0·2	25·3	92·5	29th	46·2	9th	46·3
	Krishnagar	47	29·942		29·941	30·144	8th	29·834	20th	·310	62·5	83·5		55·0		69·3		28·5	93·1	28th	45·0	9th	48·1
	Burdwan	99	29·880	−·043	29·933	30·091	8th	29·767	29th	·324	63·3	84·6	+0·8	58·7	+0·1	71·7	+0·5	25·9	94·4	29th	50·8	9th	43·6
	Bankura	313	29·651		29·929	29·846	8th	29·541	29th	·305	64·6	83·8		59·3		71·5		24·5	95·1	29th	51·7	9th	43·4
	Raniganj	334	29·646		29·951	29·856	8th	29·550	20th	·306	62·8	82·9*		57·6		70·2*		25·3	94·5	29th	50·0	8th	44·5
	Berhampore	67	29·919	−·035	29·939	30·121	8th	29·808	20th	·313	61·0	82·0	0	56·4	−0·1	69·3	−0·1	25·6	90·3	21st, 28th & 29th,	49·2	8th	41·1
	Naya Dumka	489	29·482		29·956	29·668	8th	29·381	20th	·287	62·9	80·0		55·8		67·9		24·2	89·9	29th	46·5	8th	43·4
7	Balasore	50	29·937	−·042	29·934	30·146	8th	29·830	29th	·316	66·8	85·3	−0·1	62·1	+0·2	73·7	+0·1	23·2	93·4	28th & 29th.	52·8	9th	40·6
	False Point	21	29·971	−·030	29·935	30·170	8th	29·863	29th	·307	71·2	82·2	−0·6	63·7	−1·1	72·9	−0·9	18·5	85·1	13th, 22nd & 28th.	53·1	11th	32·0
	Cuttack	80	29·906	−·031	29·933	30·119	8th	29·796	29th	·323	67·9	89·3	−0·8	64·0	−1·7	76·7	−1·3	25·3	96·4	28th	54·7	10th	41·7
	Puri	24	29·960*		29·923	30·160	8th	29·845	29th	·315	73·2	82·9		69·6		76·3		12·3	85·6	15th, 22nd & 28th.	60·6	9th & 11th.	25·0
	Angul	455	29·517*		29·951*	29·721	8th	29·432	27th	·289	65·9*	88·7		60·3		74·5		28·4	96·1	28th	53·0	9th	43·1
	Sambalpur	486	29·490	−·038	29·945*	29·727	8th	29·334	29th	·393	66·0	87·7	−0·3	58·8	−1·1	73·3	−0·7	28·9	95·1	28th	51·1	9th	44·0
8	Chaibassa	*733*	29·226	−·032	29·946	29·435	7th	29·110	29th	·325	61·9	85·7	+0·5	58·4	+0·1	72·2	+0·3	27·3	97·3	29th	50·7	9th	46·6
	Ranchi	2,128	27·809	−·028	29·961	27·887	7th	27·713	1st	·274	61·2	77·6	−0·6	56·4	+1·6	67·0	+0·5	21·2	89·7	28th	51·4	11th	38·3
	Purulia	*816*	29·127		29·935	29·329	7th	29·029	29th	·300	60·1	82·9		57·5		70·2		25·4	95·0	29th	50·1	8th	44·9
	Hazaribagh	1,9.3	27·947	−·027	29·962	28·142	7th	27·848	29th	·294	62·6	76·5	−1·5	55·9	+1·4	66·2	−0·1	20·6	87·7	29th	45·3	8th	42·4
	Daltonganj	*730*	29·243		29·974	29·493	7th	29·086	29th	·407	57·1	81·4		52·1		66·8		29·3	93·0	29th	45·0	22nd	48·0
9	Purnea	123	29·854	−·028	29·943	30·050	6th	29·736	20th	·314	56·5	77·9	−1·2	52·0	+0·6	64·9	−0·3	25·9	87·2	28th	46·2	26th	41·0
	Bhagalpur	160	29·830		29·949	30·045	6th	29·712	20th	·333	63·4	77·6		54·6		66·1		23·0	85·7	27th & 28th.	44·8	8th	40·9
	Monghyr	155	29·825		29·941	30·041	8th	29·705	29th	·336	61·8	76·6		56·2		66·4		20·4	84·9	27th & 28th.	46·4	8th	38·5
	Darbhanga	165	29·810	−·033	29·942	30·020	6th	29·701	20th	·319	56·4	77·5	+0·7	51·3	−3·1	64·4	−1·2	26·2	85·6	28th	43·8	8th	41·8
	Pusa	166	29·813		29·944	30·012	7th	29·698	20th	·314	56·6	77·4		51·9		64·7		25·5	85·7	20th	44·4	8th	41·3
	Muzaffarpur	178	29·805		29·949	29·999	7th & 8th.	29·701	20th	·298	59·1	77·5		52·2		64·9		25·2	85·7	20th & 21st.	44·0	8th	41·7
	Motihari	224	29·737		29·936	29·932	6th & 7th.	29·623	20th	·309	53·8	78·4		48·5		63·5		29·9	86·4	20th & 21st.	41·3	8th	45·1
	Chapra	181	29·786		29·932	29·976	8th	29·685	29th	·291	57·6	77·7		52·9		65·3		24·8	85·7	20th, 27th & 28th.	45·6	8th	40·1
	Patna	183	29·797	−·039	29·943	30·019	7th	29·672	29th	·347	62·3	76·1	−2·1	55·5	+1·9	65·8	−0·1	20·6	84·5	27th	47·2	8th	37·3
	Arrah	190	29·764		29·939	30·004	7th	29·665	29th	·339	58.2	78·0		53·4		65·7		24·6	86·9	20th	45·7	8th	41·2
	Buxar	239	29·723		29·932	29·966	7th	29·605	29th	·361	60·0	79·3		55·0		67·1		24·3	89·5	28th	46·1	8th	43·4
	Dehri	351	29·608		29·932	29·860	7th	29·474	29th	·386	62·0	79·6		57·1		68·4		22·5	88·3	28th	50·0	8th	38·3
	Gaya	375	29·590	−·052	29·940	29·827	7th	29·455	29th	·372	61·1	79·4	−1·9	56·1	−0·1	67·8	−1·0	23·3	88·4	28th & 29th.	47·2	8th	41·2
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·696	−·043	29·926	29·922	7th	29·591	12th	·331	57·7	79·2	+1·2	51·2	−1·4	65·2	−0·1	28·0	88·1	20th	46·0	4th, 8th & 9th.	42·1
	Benares	267	29·696	−·052	29·933	29·955	7th	29·524	29th	·431	60·7	79·4	−1·0	52·3	+0·3	65·9	−0·4	27·1	89·6	20th	45·1	7th	44·5
	Allahabad	309	29·649	−·058	29·931	29·923	7th	29·479	28th	·444	59·2	80·9	+0·7	52·1	+0·3	66·6	+0·5	28·8	92·6	20th	44·0	7th & 8th	48·6

N.B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to

* Mean of 28 days.

B—*continued.*

***stations, in India, etc., in February, 1908*—continued.**

Wind direction. Number of winds from: Calm.	N	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal, in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 29th Feb. 1908.	Normal rainfall for period, 1st Dec. to 29th February.	Departure from normal of period, 1st Dec. 1907 to 29th Feb. 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																II.—Eastern Bengal and Assam—*concld.*
29									(*a*)	N 40° E	1·3					83*	— 3	·417*	+·035	2·1	+0·6	1	1·03	—0·03	0·46	0·45	+0·01	0·97	0·99	—0·02	0·40	Jalpaiguri.
20			8				1		E		1·3					85		·409		3·3		2	1·21	+0·79	0·49	0·42	+0·07	0·88	0·93	—0·05	0·34	Cooch Behar
																																III.—Bengal.
	7	6	3		6	5	1	1	N 41° E	N 3° W	11·1†	8·7	+2·4	11	—13	83	+ 2	·619	+·007	1·7	—1·5	0	1·74	—1·74	0	1·12	—1·12	1·78	1·66	+0·12	0	Saugor Island.
4	8	4		1	8	3		1	N 45° E		3·4			3		66		·437		3·0		0	1·77	—1·77	0	1·09	—1·09	2·73	1·84	+0·89	0	Midnapore.
3	2	3	1	3	1	8	2	6	S 87° W	S 46° W	4·5†	3·3	+1·2	23	+ 7	85	+ 4	·554	+·037	3·1	+0·9	0	1·61	—1·61	0	1·00	—1·00	1·39	1·54	—0·15	0	Calcutta.
22	1		1	1	1	1	2		S 38° W	N 18° W	0·8	2·0	—1·2	4	— 8	82	— 1	·509	+·007	2·9	+0·6	0	1·77	—1·77	0	1·16	—1·16	1·39	1·80	—0·41	0	Jessore.
8				1					S 45° E		2·0			3		80		·467		1·4		0	1·58	—1·58	0·06	1·10	—1·04	2·09	1·63	+0·46	0·01	Krishnagar.
15	6	2	1			1	1	3	N 9° W	N 27° W	2·1	2·0	+0·1	32	+12	73	+ 5	·442	+·026	3·0	+0·5	0	1·58	—1·58	0·10	0·92	—0·82	2·34	1·32	+1·02	0·09	Burdwan.
26		1					1	1	N 45° W		1·6			3		61		·395		2·2		1	1·88	—0·88	0·15	1·03	—0·88	2·77	1·50	+1·27	0·15	Bankura.
7	2	3	2	1		4	6	4	N 67° W		2·1			24		71		·423		2·8		2	1·52	+0·48	0·55	1·05	—0·50	2·68	1·56	+1·12	0·23	Raniganj.
13		3	2	2	2	6		1	S 7° E	S 83° W	2·0	2·2	—0·2	18	—13	76	— 4	·411	—·031	2·9	+0·7	1	1·65	—0·65	0·55	0·97	—0·42	1·98	1·49	+0·49	0·55	Berhampore.
25			2					2	N 45° E		1·4‡			3		65		·373		1·8		3	1·62	+1·38	1·42	0·70	+0·72	2·12	1·45	+0·67	0·95	Naya Dumka
4	6	3	1		3	5	2	5	N 56° W	N 42° W	3·2	3·8	—0·6	29	— 6	78	0	·517	—·009	3·1	+0·1	0	2·16	—2·16	0	1·20	—1·20	4·24	1·65	+2·59	0	Balasore.
9	4				2	6	4	4	N 87° W	N 57° W	7·2	7·8	—0·6	39	— 4	85	— 1	·651	—·016	2·7	—0·4	0	1·29	—1·29	0	0·95	—0·95	2·96	2·10	+0·86	0	False Point.
15		2	3	1	2	4	1	1	S 10° E	N 36° E	1·7†	2·1	—0·4	11	+ 4	81	+ 3	·559	—·003	3·1	+0·7	0	1·16	—1·16	0	0·46	—0·46	1·66	0·89	+0·77	0	Cuttack.
1	12	2				10	1	3	N 45° W		13·3			45		78		·650		2·2		0	1·08	—1·08	0	0·99	—0·99	2·00	1·90	+0·10	0	Puri.
1	2	1	2	3			4	16	N 43° W		6·1			55		69*		·451*		3·5		0			0			1·20			0	Angul.
	4	5	3	10	3			4	N 89° E	N 27° E	4·3	2·3	+1·4	42	—20	62	— 5	·409	—·049	1·4	—0·6	0	1·00	—1·00	0	0·51	—0·51	1·58	1·03	+0·55	0	Sambalpur.
11	2		1		3	9	3		S 49° W	S 86° W	2·7	1·5	+1·2	36	—21	69	0	·388	—·035	1·8	—0·3	1	1·61	—0·61	0·38	1·26	—0·88	3·67	1·50	+2·17	0·38	Chaibassa.
6	1	2	3		1	2	7	7	N 61° W	N 68° W	7·3	5·8	+1·5	36	+ 1	56	— 3	·304	—·022	2·4	+0·3	3	2·10	+0·90	1·43	1·36	+0·07	3·50	1·74	+1·76	0·55	Ranchi.
3	2	1	1			1	14	7	N 69° W		3·4			66		72		·382		1·9		1	1·97	—0·97	0·60	1·02	—0·42	2·41	1·64	+0·77	0·45	Purulia.
3	3	1	3	2	4	2	5	6	N 79° W	S 87° W	7·3	7·2	+0·1	21	—23	59	+ 2	·332	+·028	2·2	—0·4	5	1·84	+3·16	3·06	0·75	+2·31	3·89	1·44	+2·45	1·29	Hazaribagh
15		3	8	3					E		3·4					80		·383		2·0		4	1·30	+2·70	3·46	0·53	+2·93	4·03	1·58	+2·45	1·99	Daltonganj.
15		5		1		3	1	4	N 28° W	S 64° W	2·2	3·1	—0·9	18	— 2	89	+ 5	·405	+·012	2·4	+0·9	2	1·13	+0·87	1·12	0·56	+0·56	2·56	1·13	+1·43	0·63	Purnea.
17		2	2	1		3	4		S 63° W		2·5			7		68		·400		1·7		3	1·52	+1·48	1·81	0·68	+1·13	2·09	1·30	+0·79	1·06	Bhagalpur.
3		2	5	2	1	6	9	1	S 50° W		5·5			28		76		·423		2·1		2			2·54			3·59			1·22	Monghyr.
21		1	2		1	1	3		S 45° W	N 89° W	2·0	3·7	—1·7	4	—27	85	+ 8	·392	0	2·0	+0·4	3	1·23	+1·77	1·17	0·51	+0·66	1·44	1·20	+0·24	0·53	Darbhanga.
14	2		3	3	1		6		S 45° W					3		80		·372		2·0		4			2·27			2·74			0·84	Pusa
9		1	4	3		3	5	4	S 72° W		2·9†			10		74		·358		1·3		3	1·27	+1·73	0·90	0·47	+0·43	1·24	1·33	—0·09	0·58	Muzaffarpur.
15		2	4	1	1	1	4	1	S 71° E		3·3			2		88		·373		2·9		2	1·00	+1·00	0·50	0·37	+0·13	0·66	1·10	—0·44	0·29	Motihari.
12		4	1	1	3	6	1	1	S 11° W		3·5			14		77		·370		1·8		3	1·13	+1·87	1·33	0·49	+0·84	2·06	1·32	+0·74	0·65	Chapra.
3		1	6	2	2	9	5	1	S 26° W	S 70° W	4·6	3·3	+1·3	32	—15	68	0	·386	+·015	2·0	—0·4	3	1·16	+1·84	1·67	0·60	+1·07	2·41	1·26	+1·15	0·72	Patna.
9		2		4	2	9	3		S 27° W		2·7			38		72		·356		2·0		3	1·10	+1·90	2·01	0·61	+1·40	2·94	1·62	+1·32	1·11	Arrah.
9		1	7		2	10	5		S 27° W		6·3			31		62		·330		1·9		3	1·39	+1·61	1·10	0·52	+0·58	1·84	1·50	+0·34	0·37	Buxar.
1	1	2		3	4	14	4		S 36° W		5·0			59		62		·353		2·3		4	1·29	+2·71	2·52	0·52	+2·00	3·07	1·43	+1·64	1·36	Dehri.
8	1	3	1	4	3	1	8		S 40° W	S 37° W	4·7	3·6	+1·1	14	—21	73	+ 5	·394	+·011	2·2	—0·1	5	1·39	+3·61	1·97	0·63	+1·34	3·38	1·39	+1·99	0·91	Gaya.
																																IV.—United Provinces of Agra and Oudh.
16		3	1			4	4	1	W	N 73° W	1·6†	2·2	—0·6	15	—24	62	—11	·303	—·061	1·5	—0·4	3	1·30	+1·70	0·42	0·49	—0·07	0·70	1·39	—0·69	0·19	Gorakhpur.
7			6	1	1	10	2	2	S 27° W	S 52° W	3·1	3·9	—0·8	32	— 2	63	— 8	·364	—·014	1·8	—0·4	5	1·20	+3·80	1·56	0·46	+1·10	2·06	1·34	+0·72	0·30	Benares.
7		2	3			1	15	1	N 83° W	S 81° W	4·0	4·5	—0·5	42	+18	55	—14	·285	—·076	1·7	—0·8	3	1·00	+2·00	0·47	0·47	0	0·95	1·47	—0·52	0·15	Allahabad.

sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

(*a*) Indeterminate. † Uncorrected. ‡ Mean of 26 days.

Table

(2) *Abstract of observations taken at 8 hrs., at 238*

Number of subdivision.	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 hrs. in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IV.—United Provinces of Agra and Oudh—*concld.*																						
10	Cawnpore	416	29·545	—·024	29·947	29·818	7th	29·361	28th	·457	56·7	80·8	+2·0	50·6	—0·9	65·7	+0·6	30·2	90·4	20th & 29th.	43·0	7th	47·4
	Lucknow	368	29·600	—·036	29·951	29·865	7th	29·440	28th	·425	56·6	79·8	+1·0	51·3	+0·4	65·6	+0·7	28·5	91·0	20th	45·6	4th & 7th.	45·4
	Bahraich	401	29·559*	—·023?	29·946*	29·791	7th	29·428	28th	·363	57·3	78·6	+1·9	51·5	+0·8	65·1	+1·4	27·1	88·1	20th	42·0	8th	46·1
11	Jhansi	835	29·151?	—·032?	29·986?	29·417	7th	28·971	1st	·446	64·7	84·3	+3·1	57·8	+2·4?	71·1	+2·8?	26·5	95·2	19th	48·1	4th & 7th.	47·7
	Agra	556	29·396	—·063	29·947	29·674	7th	29·190	28th	·484	56·8	79·4	+0·8	52·4	+0·1	65·9	+0·5	27·0	90·0	19th	43·5	7th	46·5
	Mainpuri	516	29·438*	—·035	29·948*	29·710	7th	29·258	28th	·452	54·2	80·1	+3·3	49·3	—1·1	64·7	+1·1	30·8	91·8	19th	39·8	5th	52·0
	Bareilly	568	29·353	—·060	29·924	29·607	7th	29·211	28th	·396	54·0	77·3	+2·3	49·1	—0·6	63·2	+0·9	28·2	87·3	19th	41·0	5th	46·3
	Meerut	738	29·191	—·054	29·945	29·456	7th	29·008	1st	·448	53·1	76·7	+2·2	48·8	+0·4	62·8	+1·3	27·9	87·6	19th	39·8	6th	47·8
	Roorkee ‡	899	29·017	—·051	29·948	29·288	7th	28·861	1st	·427	51·2	73·0	—0·1	47·2	—0·5	60·1	—0·3	25·8	81·5	20th & 28th.	41·9	4th	39·6
	Dehra Dun	2,233	27·662	—·050	29·954	27·899	7th	27·503	1st	·396	52·9	71·3	+2·1	47·7	+0·7	59·5	+1·4	23·6	82·0	19th	41·0	3rd	41·0
	V.—Punjab.																						
12	Delhi	718	29·232†	—·043	29·961†	29·483	7th	29·017	1st	·466	55·6	78·0	+3·2	52·0	+0·2	65·0	+1·7	26·0	89·2	18th	37·2	6th	52·0
	Sirsa	662	29·292	—·045	29·968	29·588	7th	29·046	1st	·542	52·3	78·2	+3·0	46·8	0	62·5	+1·5	31·4	92·3	18th	36·1	5th	56·2
	Patiala	*818*	29·115		29·954	29·385	7th	28·890	1st	·490	54·6	74·9		42·8		58·9		32·1	86·3	18th	30·6	10th	55·7
	Ambala	892	29·032	—·028	29·951	29·294	7th	28·828	1st	·466	53·1	74·6	+3·1	48·7	+0·9	61·7	+2·0	25·9	86·0	19th	40·0	5th	46·0
	Ludhiana	812	29·137†	—·029	29·975†	29·425	7th	28·910	28th	·515	53·2	73·4	+2·2	49·2	+1·7	61·3	+2·0	24·2	85·5	18th	42·0	4th & 5th.	43·5
	Lahore	702	29·229	—·068	29·955	29·529	7th	28·958	28th	·571	50·4	75·1	+2·4	47·0	+2·9	61·1	+2·7	28·1	88·4	18th	38·2	4th	50·2
	Sialkot	830	29·107	—·041	29·965	29·390	7th	28·821	28th	·569	53·4	73·9	+4·3	47·3	+1·2	60·6	+2·8	26·6	86·2	18th	38·1	3rd & 4th.	48·1
	Rawalpindi	1,674	28·247	—·053	30·011	28·521	7th	27·993	28th	·528	47·6	67·2	+2·4	43·3	+1·9	55·3	+2·2	23·9	79·9	18th	35·1	4th	44·8
13	Khushab	612	29·355*	—·042	29·983†	29·651	7th	29·054	28th	·597	53·4	72·7	+4·0	47·9	+1·8	60·3	+2·9	24·8	81·4	16th	40·4	4th	41·0
	Montgomery	558	29·387	—·059	29·954	29·691	7th	29·106	28th	·585	52·3	76·6	+3·8	44·4†	—2·0	60·6†	+0·9	32·2	88·4	18th	36·1	2nd	52·3
	Multan	420	29·550	—·070	29·968	29·857	8th	29·301	1st	·553	52·1	75·7	+2·0	47·8	+0·3	61·8	+1·2	27·9	86·3	16th	40·0	3rd & 6th.	46·3
	VI.—North-West Frontier Province.																						
15	Peshawar	1,110	28·862	—·067	30·041	29·153	8th	28·609	28th	·544	47·5	65·6	—0·5	43·7	+1·1	54·7	+0·3	21·9	73·7	21st & 27th.	34·9	2nd	38·8
	D. I. Khan	590	29·401	—·059	29·987	29·702	5th	29·128	28th	·574	51·3	72·7	+0·8	45·2	+0·3	59·0	+0·6	27·5	81·3	16th & 17th.	36·1	5th	45·2
	VII.—Sind.																						
17	Jacobabad	186	29·797	—·063	29·959	30·083	8th	29·615	27th	·468	55·3	81·1	+3·2	49·1	+0·6	65·1	+1·9	32·0	93·1	15th	35·3	3rd	57·8
	Hyderabad	96	29·913	—·046	29·969	30·127	8th	29·731	26th	·396	59·0	85·2	+4·4	52·9	—1·5	69·0	+1·5	32·3	98·6	16th	40·5	4th	58·1
	Kurrachee	30	30·010	—·018	29·992	30·181	7th	29·850	27th	·331	61·1	80·5	+0·8	56·6	—1·4	68·6	—0·3	23·9	89·4	28th	44·7	3rd	44·7
	VIII.—Rajputana.																						
18	Bikaner	*771*	29·177	—·047	29·963	29·445	7th	28·924	1st	·521	57·0	80·1	+4·2	52·5	—1·0	66·4	+1·6	27·6	92·1	17th & 18th.	41·0	5th	51·1
	Jodhpur	782	29·206		30·020	29·436	7th	28·981	1st	·455	57·6	83·2		51·0		67·1		32·2	94·1	16th & 17th.	40·3	2nd	53·8
	Pachpadra	*380*	29·578?	—·081?	29·940?	29·777	7th	29·401	1st	·376	54·1	83·8	+0·6	45·3	—4·2	64·5	—1·8	38·5	96·7	16th	35·6	3rd	61·1
19	Jaipur	1,431	28·537	—·029	30·004	28·803	7th	28·305	1st	·498	58·0	80·9	+2·3	50·9	—1·0	65·9	+0·7	30·0	93·2	18th	41·1	6th	52·1
	Sambhar	1,254	28·704	—·030	30·002	28·971	7th	28·473	1st	·498	52·7	80·7	+3·3	46·4	—3·3	63·6	0	34·3	93·4	17th	38·5	3rd & 4th.	54·9
	Ajmer	1,611	28·364	—·031	30·029	28·615	7th	28·111	1st	·504	54·1	80·2	+2·4	51·1	+1·7?	65·7	+2·1?	29·1	91·9	17th	43·2	3rd & 4th.	48·7
	Kotah	819?	29·144	—·042?	30·006	29·410	7th	28·922	1st	·488	60·5	84·0	+2·9	55·4	+0·5	69·7	+1·7	28·6	97·0	18th	45·1	7th	51·9
	Udaipur	1,925	28·057		30·028	28·295	7th	27·836	1st	·459	57·5	82·3		48·5†		65·3†		33·8	94·0	17th & 18th.	38·8	5th	55·2

N.B.—Elevations in italics indicate barometrical determinations.

* Mean of 27 days.
† „ „ 28 „

NOTE.—The barometric readings are not reduced to sea-level in the cases of ‡ Observation of 28 days.

B—*continued.*

stations, in India, etc., in February, 1908—continued.

Wind Direction.										Wind Velocity.			Wind Steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.								Heaviest rainfall during month.	Station.
Number of winds from																													
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Mean velocity in miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 29th Feb. 1908.	Normal rainfall for period, 1st Dec. to 29th February.	Departure from normal of period, 1st Dec. to 29th Feb. 1908.		
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IV.—United Provinces of Agra and Oudh—*contd.*
12	1			2	2			10	2	N 83° W	N 81° W	2·6	3·9	−1·3	29	+ 5	57	−10	·264	−·070	0·7	−1·2	2	1·00	+1·00	0·26	0·48	−0·22	0·86	1·33	− 0·47	0·14	Cawnpore.
11			2		2	5	7	2		S 67° W	N 74° W	2·8	3·0	−0·2	39	+ 9	60	−12	·278	−·066	1·2	−1·6	1	1·20	−0·20	0·20	0·44	−0·24	1·32	1·78	− 0·46	0·17	Lucknow.
10	1		4	3		4	2	3		S 25° W	S 68° W	3·2	3·2	0	7	−24	75†	− 3	359†	−·009	1·2	−1·8	2	1·60	+0·40	0·32	1·01	−0·69	1·72	2·27	− 0·55	0·22	Bahraich.
7	1	1	1	2		8	4	5		S 86° W	S 81° W	4·5	2·5	+2·0	36	+13	41	− 12	·252	−·044	1·0	−0·7	0	0·80	−0·80	0·09	0·41	−0·32	1·41	1·27	+ 0·14	0·09	Jhansi.
6				3		15		5		S 53° W	N 53° W	4·5	4·3	+0·2	53	+14	50	−15	·235	−·075	1·1	−1·3	0	0·60	−0·60	0	0·29	−0·29	1·26	1·11	+ 0·15	0	Agra.
6	1		3	2		6	9	2		S 72° W	N 63° W	2·9	2·0	+0·9	36	+16	59	−13	·254	−·073	0·8	−3·0	0	0·70	−0·70	0·01	0·96	−0·95	0·80	2·03	− 1·23	0·01	Mainpuri.
17		1	4	1			6			W	N 51° W	3·4	3·1	+0·3	2	−24	71	− 5	·292	−·032	1·2	−1·9	0	1·18	−1·18	0·13	0·74	−0·61	1·03	2·12	− 1·09	0·07	Bareilly.
15				2		5	6	1		S 64° W	N 89° W	1·8	2·6	−0·8	36	+ 5	65	− 8	·267	−·036	0·9	−2·2	2	1·50	+0·50	0·84	0·90	−0·06	1·67	2·73	− 1·06	0·42	Meerut.
15			1	4		1		7		N 52° W	N 40° W	3·6	7·8	+0·8	7	− 5	81	+ 1	·305	−·003	1·2	−2·1	3	2·90	+0·10	2·94	1·32	+1·62	4·85	3·61	+ 1·24	1·95	Roorkee.
29										‡	N 32° W	1·5§	1·7	−0·2			69	− 5	·277	−·004	2·3	−1·5	3	4·10	−1·10	5·85	2·21	+3·64	7·02	5·39	+ 1·63	3·22	Dehra Dun.
																																V.—Punjab.
2		1		4	2	2	13	5		S 82° W	N 86° W	5·9	3·5	+2·4	49	+16	57	− 8	·251	−·031	1·2	−2·5	1	1·40	−0·40	0·56	0·71	−0·15	2·09	2·47	− 0·38	0·56	Delhi.
13	1		2	3	3	2	2	3		S 23° W	S 76° W	3·3	4·1	−0·8	11	+ 7	58	−15	·226	−·062	1·4	−2·7	0	1·10	−1·10	0	0·33	−0·33	0·65	1·48	− 0·83	0	Sirsa.
3	5		3	4			2	12		N 21° W		6·8			41		68		·285		1·2		0			0·07			2·17			0·07	Patiala.
5			2	2		1	1	18		N 46° W	N 39° W	4·7	2·3	+2·4	53	+28	70	−14	·282	−·042	2·8	−0·6	2	2·30	−0·30	0·81	2·41	−1·60	1·99	4·85	− 2·86	0·56	Ambala.
1		4		7		1	3	13		N 39° W	N 52° W	3·2	1·9	+1·3	29	+ 1	65	−13	·261	−·047	1·5	−3·0	2	2·40	−0·40	0·40	1·30	−0·90	3·14	3·92	− 0·78	0·22	Ludhiana.
11	1	1	4	3	1		3	5		N 9° E	N 23° W	3·7	2·2	+1·5	7	−2	71	− 7	·259	−·036	1·6	−2·0	0	2·20	−2·20	0	1·10	−1·10	1·73	2·60	− 0·87	0	Lahore.
6	2	4	4	2	1		5	5		N 3° W	N 18° E	2·9	1·8	+1·1	20	+ 6	66	−13	·265	−·042	2·4	−0·8	1	3·50	−2·50	0·27	1·80	−1·53	2·04	4·83	− 2·79	0·24	Sialkot.
20		4			1	3		1		N	N 45° W	3·6	2·3	+1·3	1	−23	76†	− 6	·250†	−·013	3·9	−0·4	4	4·40	−0·40	1·84	2·24	−0·40	3·92	5·72	− 1·80	0·80	Rawalpindi.
14	3	6			2	2	1	1		N 14° E	N 23° E	3·2	3·3	−0·1	18	+ 7	63	− 7	·246	+·014	2·2	−1·1	3	1·80	+1·20	1·86	0·69	+1·17	3·06	2·05	+ 1·01	1·30	Khushab.
10	1	2	3	6	1		1	5		N 80° E	N 18° E	4·9	4·2	+0·7	14	− 2	51	−18	·191	−·081	1·7	−2·0	0	1·30	−1·30	0	0·67	−0·67	0·36	1·93	− 1·57	0	Montgomery.
19	4	1		2				3		N	N 37° E	1·4	1·8	−0·4	19	− 1	64	− 4	·243	−·061	1·1	−2·2	1	1·20	−0·20	0·13	0·43	−0·30	0·53	1·07	− 0·54	0·13	Multan.
																																VI.—North-West Frontier Province.
15	2			2	3	3	3	1		S 49° W	S 27° W	2·3	3·2	−0·9	21	−18	71	− 5	·235	−·017	4·2	−0·3	4	2·90	+1·10	1·72	1·22	+0·50	5·32	3·15	+2·17	0·80	Peshawar.
17	3	3		1		1		4		N 6° W	N 22° W	2·1	1·9	+0·2	25	+ 1	65	− 6	·235	−·025	1·9	−1·4	0	2·00	−2·00	0·01	0·79	−0·78	2·64	1·44	+1·20	0·01	D. I. Khan.
																																VII.—Sind.
10	6	2		1				10		N 20° W	N 37° E	3·6	3·0	+0·6	53	+33	55	− 2	·241	−·008	1·5	−1·9	0	0·90	−0·90	0	0·34	−0·34	1·15	0·70	+0·45	0	Jacobabad.
8	5			1	4	6		5		S 87° W	N 21° W	6·1	6·9	−0·8	24	−16	57	0	·297	− 005	1·0	−1·7	0	0·60	−0·60	0	0·22	−0·22	0·54	0·51	+0·03	0	Hyderabad.
5	6	8	1				3	6		N 2° W	N 39° E	7·6	9·8	−2·2	56	− 3	63	− 6	·370	−·036	2·8	+0·7	0	0·80	−0·80	0	0·31	−0·31	0·85	1·10	−0·25	0	Kurrachee
																																VIII.—Rajputana.
4			1	7	8	6	2	1		S 4° W	N 39° W	5·3	4·5	+0·8	56	+32	56	+ 3	·255	+·007	1·3	−2·0	0	0·80	−0·80	0	0·26	−0·26	0·41	0·82	− 0·41	0	Bikaner.
14	5	3	1			3	1	2		N 12° W		4·3			21		33		·161		1·3		0	0·50	−0·50	0	0·11	−0·11	0·38	0·49	− 0·11	0	Jodhpur.
21	1	1	2		1	2	1			S 23° E		3·5	4·5	−1·0	3		65	+12	·286	+·049	0	−2·8	0	0·30	−0·30	0	0·08	−0·08	0·36	0·58	− 0·22	0	Pachpadra.
7	8	7	3	1				3		N 26° E	N 2° W	3·9§	3·8	+0·1	60	+29	41	−16	·186	−·091	1·3	−1·6	0	0·50	−0·50	0·01	0·17	−0·16	0·95	0·98	− 0·01	0·01	Jaipur.
21	2	1	1	2			1	1		N 34° E	N 9° E		4·7		7	−21	53	− 6	·213	−·047	0·5	−2·0	0	0·50	−0·50	0·03	0·18	−0·15	0·44	0·92	− 0·48	0·03	Sambhar.
22		1			1	2	2	1		S 74° W	N 2° W	4·7	2·5	+2·2	11	0	54	−10	·231	−·053	1·1	−1·2	0	0·70	−0·70	0	0·24	−0·24	0·87	0·95	− 0·08	0	Ajmer.
22			1	1	2	1	2			S 61° W		1·8			11		37		·204		0·3		0	0·50	−0·50	0	0·25	−0·25	0·47	0·72	− 0·25	0	Kotah.
13	3	1		1	1	4	6			N 53° W		4·1			36		48		·237		0·3		0	0·30	−0·30	0			0·23			0	Udaipur.

hill or plateau stations, the elevations of which exceed 3,200 feet.

§ Uncorrected readings.
‡ Indeterminate.

Table

(2) Abstract of observations taken at 8 hrs. at 238

Number of sub-divisions.	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17.	18	19	20	21	22	23	24
	IX.—Bombay.																						
20	Deesa	466	29·523*	—·030	29·970*	29·736	7th	29·356	1st	·380	59·1	87·8	+1·3	49·9	−5·2	68·9	−2·0	37·9	98·3	16th & 17th.	41·4	5th	56·9
	Bhuj	395	29·619	—·013	29·988	29·795	7th	29·441	27th	·354	61·3	85·2	+0·9	54·7	−3·4	70·0	−1·3	30·5	96·6	15th	42·0	3rd	54·6
	Jamnagar	61	29·971		29·977	30·130	6th	29·847	28th	·283	64·5	80·6		54·1		67·5		26·5	89·4	25th	42·4	5th	47·0
	Dwarka	37?	30·004		29·988	30·158	6th	29·839	27th	·319	68·4	78·4		62·5		70·5		15·9	87·8	9th & 24th	50·7	3rd	37·1
	Rajkot‡	429	28·598?	+ ·002?	30·000?	29·754	6th	29·443	27th	·311	61·7	87·1	−0·1	50·8	−3·7	68·9	−1·9	36·3	95·9	16th & 25th.	38·0	3rd, 4th & 5th.	57·9
	Veraval	*18*	30·003	0	29·963	30·139	6th	29·891	27th	·248	63·2	82·2*	+0·7	58·3	−2·4	70·3*	−0·9	23·9	90·7	24th	50·3	6th	40·4
	Bhavnagar Para	55	29·969	—·022	29·968	30·129	6th & 7th.	29·849	27th	·280	63·7	88·4	+2·5?	55·2	−4·8?	71·8	−1·2?	33·2	97·6	15th & 25th.	42·5	5th	55·1
	Surat	39	29·958	−·031	29·943	30·100	6th	29·857	26th	·243	64·9	89·6	−0·1	59·5	+0·5	74·6	+0·2	30·1	99·6	25th	50·1	4th	49·5
	Ahmedabad	163	29·849	—·006	29·970	30·043	7th	29·698	27th	·345	63·1	88·6	+1·1	57·9	−2·4	73·3	−0·7	30·7	97·1	16th & 25th.	43·2	5th	47·9
26	Bombay	37	29·946	—·035	29·924	30·067	6th	29·840	23rd	·227	71·1	83·6	+1·0	68·3	−0·4	76·0	+0·3	15·3	90·0	9th	60·5	5th	29·5
	Ratnagiri	110	29·951	—·031	29·903	29·974	9th	29·748	23rd	·226	73·0	87·1	+0·7	66·1	−1·2	76·6	−0·3	21·0	96·3	9th & 10th.	58·9	6th	37·4
	Goa	199	29·748	—·064?	29·688	29·886	9th	29·655	23rd	·231	75·1	83·7	−2·9	71·6	+1·5	77·6	−0·7	12·1	88·0	4 days	66·5	6th	21·5
	Mormugao	*60*	29·910	—·023	29·906	30·046	9th	29·815	23rd	·231	73·9	85·7	+0·8	70·1	−1·1	77·9	−0·2	15·6	90·5	10th	65·2	6th	25·3
	Karwar	44	29·914	—·044	29·893	30·041	9th	29·821	26th	·220	68·9	86·6	+0·3	66·9	−0·4	76·8	−0·1	19·7	93·3	10th	61·0	12th	32·3
27	Malegaon	1,430	28·555	—·017	29·996	28·740	7th	28·418	1st	·322	62·7	90·4	+0·5	52·6	−2·8	71·5	−1·2	37·8	100·4	25th	43·1	7th	57·3
	Ahmednagar	2,154	27·838	+·003?	29·995	27·997	8th	27·733	1st	·264	65·9	89·5	+1·4	55·6	+0·5	72·5	+1·0	33·9	97·4	16th	49·5	6th	47·9
	Poona	1,846	28·137	−·022	29·991	28·266	7th	28·040	27th	·246	63·9	89·9	−1·4	53·5*	−3·6	71·6*	−2·5	36·4	95·5	27th	46·8	6th	48·7
	Sholapur	1,590	28·375	—·032	29·949	28·533	8th	28·290	27th	·243	70·6	93·4	−0·3	62·7	+0·5	78·0	+0·1	30·7	97·8	28th	55·9	10th & 11th.	41·9
	Bijapur	*1,948*	28·023	—·002?	29·950	28·183	9th	27·952	26th	·231	71·0	92·4	+2·0	63·1	−1·1	77·7	+0·5	29·3	97·2	27th	55·2	11th	42·0
	Belgaum	2,539	27·427*	−·023	29·928*	27·555	8th	27·359	4th & 26th.	·196	70·4	88·3	−0·3	59·5	−0·1	73·9	−0·2	28·8	92·3	15th & 18th.	53·6	2nd	38·7
	X.—Central India.																						
21	Neemuch	1,624	28·356	−·016	30·017	28·598	7th	28·160	1st	·438	58·9	81·9	+0·7	50·0	−2·1	66·0	−0·7	31·9	93·5	17th	39·2	3rd	54·3
	Indore	1,823	28·185‖	+·017?	30·035‖	28·372	7th	28·003	1st	·369	62·3	83·8	+0·5	50·2	−1·9	67·0	−0·7	33·6	93·6	18th & 19th.	40·6	3rd & 6th	53·0
22	Nowgong	754	29·214	−·045	29·973	29·485	7th	29·027	29th	·458	57·3	81·9	+1·6	50·0	−1·1	66·0	+0·3	31·9	91·5	19th & 28th.	42·5	4th & 7th.	49·0
	Sutna	1,040	28·906	−·049	29·963	29·167	7th	28·732	29th	·435	58·7	81·3	+1·7	52·7	+0·4	67·0	+1·1	28·6	94·0	28th	44·2	7th & 8th	49·8
	XI.—Central Provinces.																						
23	Buldana	2,132	27·644		29·955	28·032	8th	27·711	1st	·321	70·7	85·9		62·4		74·2		23·5	93·4	26th	53·0	3rd	40·4
	Akola	930	29·037*	—·028	29·956*	29·271	7th	28·909	29th	·362	65·3	92·4	+1·7	56·3	−1·2	74·3	+0·3	36·1	99·7	26th & 28th.	48·1	9th & 10th.	51·6
	Amraoti	1,215	28·755	—·011	29·958	28·969	7th	28·621	29th	·348	68·7	91·3	+1·2	61·5	−0·2	76·4	+0·5	29·8	97·8	26th & 28th.	51·8	10th	46·0
24	Khandwa	1,044	28·929	—·026	29·980	29·142	8th	28·775	1st	·367	61·0	89·1	+0·3	54·5	−1·4	71·8	−0·6	34·6	98·2	19th	44·6	8th	53·6
	Hoshangabad	1,006	28·988*	—·014	30·009*	29·226	7th	28·838	1st	388	58·9	86·6	+1·2	51·9	−4·1?	69·3	−1·5?	34·7	95·6	19th	41·4	3rd	54·2
	Saugor‡	1,807	28·148	—·027	29·973	28·399	7th	27·970	29th	·429	63·3	82·2	+0·9	56·5	+1·1	69·4	+1·0	25·7	92·6	19th	45·0	4th	47·6
	Jubbulpore	1,327	28·625	—·039	29·978	28·859	7th & 8th.	28·468	29th	·391	57·3	83·0	+0·6	50·2	−2·2	66·6	−0·8	32·8	94·5	28th	40·8	8th	53·7
	Seoni	2,033	27·926	—·031	29·974	28·147	8th	27·769	29th	·378	63·1	85·7	+1·9	53·1	−2·3	69·5	−0·2	32·6	97·8	26th	46·0	8th	51·8
	Nagpur	1,017	28·944*	—·029	29·953*	29·173	8th	28·789	29th	·384	66·4	90·4	+1·1	58·3	−1·7	74·3	−0·3	32·1	97·1	28th	46·1	8th	51·0
25	Pendra	2,123?	27·919‖		29·965‖	28·141	7th	27·767	29th	·374	64·1	80·0†		55·5¶		67·5**		24·5	91·8	27th	47·2	7th & 8th.	44·6
	Raipur	970	28·986	—·039	29·946	29·218	7th	28·835	29th	·383	64·8	86·3	−1·1	55·5	−5·0?	70·9	−3·1?	30·8	94·7	28th	48·4	8th	46·3
	Chanda	*634*	29·328*	−·036	29·931*	29·557	8th	29·169	29th	·388	67·7	90·4	−1·4	58·8*	−0·4	74·7*	−0·9	31·6	97·0	28th	51·0	10th	46·0

N.B.—Elevations in Italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

* Mean of 28 days. † Mean of 27 days. ‡ Observations of 28 days. ‖ Mean of 26 days. ¶ Mean of 24 days. ** Mean of 22 days.

3—*continued.*

tations, in India, etc., in February, 1908—continued.

Wind Direction. Number of winds from N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs., in inches of mercury.	Departure from normal, in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 29th Feb. 1908.	Normal rainfall for period, 1st Dec. to 29th February.	Departure from normal of period, 1st Dec. 1907 to 29th Feb. 1908.	Heaviest rainfall during month.	STATION.
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																															IX.—Bombay.
5	4	1				2		N 52° E	N 30° E	5·1‡	8·6	−3·5	29	− 7	40	− 3	·205	−·042	0·2	−1·8	0	0·27	−0·27	0·02	0·07	−0·05	0·31	0·28	+0·03	0·02	Deesa.
		2	1	5	7	8		S 89° W	N 69° W	6·8	7·3	−0·5	51	+16	71	+12	·391	+·007	0·8	−0·5	0	0·30	−0·30	0	0·09	−0·09	0·09	0·23	−0·14	0	Bhuj.
	5	2		4	11	2		S 72° W		9·8§			13		68		·392		0		0			0			0			0	Jamnagar.
				1	8	9		N 41° W		11·4			63		69		·502		0·9		0			0			0·11			0	Dwarka.
3	1			1	4	4		N 49° W	N 2° W	5·2	6·1	−0·9	14	−17	49	−10	·280	−·038	0	−1·0	0	0·30	−0·30	0	0·09	−0·09	0·31	0·17	+0·14	0	Rajkot.
5	1					4		N 6° E	N 7° E	8·8	7·1	+1·7	60	−12	60	+ 1	·356	−·045	0·7	−0·5	0	0·10	−0·10	0	0·01	−0·01	0·15	0·10	+0·05	0	Veraval.
1			1		10	15		N 58° W	S 85° W	4·7	8·1	−3·4	82		52	−10	·312	−·083	0·8	−0·3	0	0·20	−0·20	0	0·07	−0·07	0·08	0·21	−0·13	0	Bhavnagar Para.
3	5	1	1	1	1	4		N 18° E	N 27° W	4·7	5·0	−0·3	53	+10	55	−10	·354	−·083	0·4	−0·7	0	0·10	−0·10	0	0·08	−0·08	0·32	0·14	+0·18	0	Surat.
5	6	4			1	5		N 16° E	N 11° E	5·2	4·0	+1·2	49	− 9	52	+ 2	·309	−·012	0·4	−1·0	0	0·30	−0·30	0	0·14	−0·14	0·10	0·24	−0·14	0	Ahmedabad.
4	13	10	1		1			N 57° E	N 47° E	9·8‡	10·4	−0·6	78	+ 7	68	− 3	·526	−·053	1·5	+0·3	0	0·10	−0·10	0·07	0·02	+0·05	0·16	0·18	−0·02	0·07	Bombay.
4	6	12	2	1				N 72° E	N 73° E	9·7	8·2	+1·5	67	+27	58	− 7	·474	−·065	0·7	0	0	0.10	−0·10	0	0·03	−0·03	0·09	0·23	−0·14	0	Ratnagiri.
12	13	1	1			1		N 69° E	N 67° E		5·9		78	+ 1	71	− 3	·625	−·016	1·0	+0·4	0			0	0·06	−0·06	0·07	0·31	−0·24	0	Goa.
5	8	6	5					N 65° E	N 80° E	8·1‡	9·3	−1·2	56	+ 8	82	0	·695	+·009	2·0	+1·1	0			0	0·05	−0·05	0	0·05	−0·05	0	Mormugao.
2								N	N 55° E	4·8‡	4·1	+0·7	7	−76	86	+ 2	·618	+·005	1·6	+1·1	0	0	0	0	0·02	−0·02	0	0·18	−0·18	0	Karwar.
1				2	2	1		N 86° W	N 63° W	5·5	6·1	−0·6	14	− 57	28	−29	·160	−·193	0·4	− 0·9	0	0·10	−0·10	0	0·03	−0·03	0	0·40	−0·40	0	Malegaon.
	1	2		1		8		N 48° W	N 13° W	5·5	8·3	−2·8	21	−14	28	−31	·179	−·203	0·7	−0·2	0	0·30	−0·30	0	0·40	−0·40	0	0·91	−0·91	0	Ahmednagar.
						1		N 45° W	N 76° W	5·1‡	7·1	−2·0	4	−12	44	− 8	·264	−·053	1·7	+0·9	0	0·10	−0·10	0	0·06	−0·06	0	0·29	−0·29	0	Poona.
8	2	4	3		1	4		N 38° E	N 72° E	8·8	7·5	+1·3	39	+23	40	0	·300	−·010?	1·4	+0·5	0	0·10	−0·10	0	0·03	−0·03	0	0·53	−0·53	0	Sholapur.
2	2	4	5	3	1	12		S 89° W	N 79° W	6·1	4·8	+1·3	18	− 4	47	− 9	·359	−·078	0·7	−0·3	0	0·20	−0·20	0	0·07	−0·07	0·40	0·10	+0·30	0	Bijapur.
1	5	2		1	1			S 75° E	N 68° E	6·0‡	9·7	−3·7	18	− 6	46	− 2	·337	−·009	1·7	+0·8	0	0·10	−0·10	0	0·03	−0·03	0·03	0·19	−0·16	0	Belgaum.
																															X.—Central India.
3	2	1		2	3	4		N 11° W	N 30° E	5·8	7·0	−1·2	42	+11	35	−13	·177	−·086	0·5	−0·8	0	0·50	−0·50	0	0·17	−0·17	0·34	0·66	−0·32	0	Neemuch.
					1	1		N28 ° E	N 29° W	4·1	2·8	+1·3	21	+ 9	38	−14	·222	−·072	1·0	−0·3	0	0·50	−0·50	0	0·18	−0·18	0·28	0·51	−0·23	0	Indore.
1	2	1	6	6	3	1		S 26° W	N 85° W	2·0	2·0	0	39	+20	49	−18	·234	−·101	1·1	−1·4	1	1·00	0	0·12	0·48	−0·36	1·08	1·74	−0·66	0·12	Nowgong.
	2	2	1	7	5			N 80° W	N 30° W	2·9	4·8	−1·9	29	− 6	52	− 7	·256	−·052	2·9	+1·2	3	1·50	+1·50	0·76	0·65	+0·11	1·55	2·00	−0·45	0·43	Sutna.
																															XI.—Central Provinces.
1	2	2	2	2	8	7		N 73° W		6·0	6·4	−0·4	35		24		·172		0·5		0			0	0·20	−0·20	0(*a*)	1·11	−1·11	0	Buldana.
	2	8	2	1	3	5		S 6° E	S 34° E	4·0	4·3	−0·3	17	+ 9	33	−12	·208	−·081	1·4	−0·1	0	0·30	−0·30	0	0·17	−0·17	0	1·25	−1·25	0	Akola.
7	8		4	4	2	1		S 88° E	S 83° E	5·3	4·8	+0·5	26	− 6	30	−19	·216	−·133	1·0	−0·3	0	0·60	−0·60	0	0·21	−0·21	0	1·13	−1·13	0	Amrauti.
1	3	3	2		2	3		N 33° E	N 18° W	4·8	4·1	+0·7	18	− 6	31	−15	·169	−·100	1·4	+0·2	0	0·30	−0·30	0	0·05	−0·05	0	0·74	−0·74	0	Khandwa.
3	5	1		1	1			N 83° E	N 60° E	2·3	2·9	−0·6	21	−19	42	−16	·212	−·111	1·3	−0·1	0	0·50	−0·50	0	0·27	−0·27	0·07	1·06	−0·99	0	Hoshangabad.
4	2	3	2	8	1	1		S 5° W	S 72° E	5·3	3·7	+1·6	18	−13	29	−23	·168	−·112	1·5	+0·1	0	0·80	−0·80	0	0·41	−0·41	0·70	1·75	−1·05	0	Saugor.
1	1	9	7	1	1	2		S 27° E	S 63° E	2·5	2·4	+0·1	39	+19	51	−15	·239	−·108	1·5	−0·6	2	1·10	+0·90	0·38	0·56	−0·18	1·04	1·61	−0·57	0·22	Jubbulpore.
5	1		3	5	1			N	N 31° E	5·3	2·9	+2·4	10	−26	52	−10	·298	−·069?	1·5	−0·7	2	1·50	+0·50	0·56	0·88	−0·32	0·61	1·93	−1·29	0·36	Seoni.
3	2		2	1	3	3		N 7° W	N 18° E	4·0	4·4	−0·4	53	+17	38	−14	·248	−·112	1·1	−0·7	1	0·90	+0·10	0·26	0·38	−0·12	0·67	1·29	−0·62	0·20	Nagpur.
		1	4	3	1	2		N 53° W		6·2*			11		47		·276		1·4		3			1·87			2·74			1·32	Pendra.
1	2		3	4				S 2° W	N 4° W	5·3	4·0	+1·3	11	− 1	56	+ 3	·344	−·011	0·9	−1·2	2	0·70	+1·30	2·51	0·35	+2·16	3·02	0·80	+2·22	1·34	Raipur.
2	3	2	1	1	2	2		N 66° E	N 76° E	2·8	2·7	+0·1	7	−13	53	—	·363	−·056	1·5	+0·2	2	0·60	+1·40	1·58	0·49	+1·09	1·67	1·13	+0·54	0·82	Chanda.

(*a*) Rainfall since 1st January. ‡ Uncorrected. § Mean of 25 days.

Table

(2) *Abstract of observations taken at 8 hrs. at 238*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XII.—Hyderabad.																						
28	Aurangabad	1,905	28·093*		29·989*	28·248	8th	27·951	1st	·297	69·9	89·7		58 4		74·1		31·3	95 7	19th	53·2	20th	42·5
	Nizamabad	1,260	28·704†		29·939†	28·828	10th	28·638	1st	·190	72·5	90·9		59·8		75 4		31·1	97·9	29th	54·2	13th	43·7
	Bidar	*2,165*	27·812		29·942	27·975	8th	27·707	29th	·268	73·4	88·5		66·2		77·4		22·3	93·5	27th	61·4	3rd	32·1
29	Gulbarga	1,503	28·470	—·010	29·948	28·628	9th	28·377	29th	·251	72·8	93·1	+0·5	62·1	−2·2	77·7	−0·9	31·0	97·0	4 days	54·8	11th	42·2
	Raichur	*1,311*	28·666‡	+·009?	29·945‡	28·819	9th	28·585	29th	·231	74·9	92·4	−0·4	66·4‡	−1·8	·794‡	−1·1	26·0	96·1	18th & 29th.	56·1	10th	40·0
	Hyderabad (Dn.)	1,690	28·274	—·013	29·955	28·450	8th	28·161	29th	289	68 0	91·2	−0·1	62·6	—0·8	76·9	−0·5	28·6	95·8	28th	56·7	10th	39·1
	Hanumkonda	871	29·086		29·928	29·271	8th	28·966	29th	·305	70·4	89·8		64·1		76·9		25·7	95·5	27th	56·2	10th	39·3
	XIII.—Mysore.																						
30	Chitaldroog	2,405	27·566	—·024	29·924	27·707	9th	27·491	23rd	·213	72·6	89·4	+0·1	65·1	−0·8	77·3	−0·4	24·3	92·1	29th	59·4	11th	32·7
	Hassan	3,149	26·871?	—·048?	29·969?	26·999	9th	26·803	23rd	·196	67·2	87·0	+0·6	59·3	+1·6	73·2	+1·1	27·7	89·6	15th	52·9	12th	36·7
	Bangalore	3,021	26·976	—·040	29·950	27·116	9th	26·902	23rd	·214	67·4	86·0	+0·2	59·6	0	72·8	+0·1	26·4	89·3	15th & 29th.	52·8	20th	36·5
	Mysore	2,518	27·474	—·018?	29·953	27·609	9th	27·404	23rd	·205	70·4	89·1	+0·3	63·4	+0·5	76·3	+0 4	25·7	92·0	29th	57·5	17th	34·5
	XIV.—Madras.																						
31	Mangalore	65	29·900	—·037	29·897	30·022	9th	29·803	23rd	·219	79·0	87·5	—0·6	73·1	+0·8	80·3	+0·1	14·4	95·2	26th	68·9	11th	26·3
	Calicut	27	29·933	—·036	29·889	30·047	9th	29·841	25th	·206	77·3	88·2	—0·5	73·7	+1·1	81·0	+0·3	14·5	89·8	27th & 28th.	68·1	11th	21·7
	Cochin	9	29·951	—·031	29·888	30·061	9th	29·863	25th	·198	78·0	90·3	+0·4	75·0	+1·3	82·7	+0·9	15·3	93·2	27th	71·2	12th & 13th.	22·0
	Trivandrum	198	29·751	—·013	29·882	29·844	9th	29·653	23rd	·186	76·1	84·3	−0·7	73·1	+0·1	78·7	- 0·3	11·2	86·5	26th	68·0	11th	18·5
32	Tinnevelly	168	29·824	—·010	29·923	29·969	9th	29 721	23rd	·248	77·2	91·8	—0·2	71·8	—0·9	81·8	−0·6	20·0	95·3	16th	64·9	13th	30·4
	Pamban	37	29·944	—·018	29·908	30·068	9th	29 848	22nd	·220	77·8	84·6	−0·3	73·0	−1·9	78·8	−1·1	11·6	86·8	6th	66·7	14th	20·1
	Madura	447	29·545	—·019	29·936	29·684	9th	29·434	23rd	·250	75·5	91·0	−1·0	68·8	−0·7	79 9	−0·9	22·2	95·4	23rd	62·1	11th	33·3
	Periyakulam	944	29·026		29·932	29·169	9th	28·932	23rd	·237	71·2	89·2		65·0		76·5		24·2	93·5	15th	57·1	12th & 13th.	36·4
	Pudukkottai	318	29·674		29·931	29·809	9th	29·576	23rd	·233	74·0	90·7		69·1		80·0		21·6	94·3	17th	63·1	12th	31·2
	Negapatam	31	29·941	—·040	29 901	30·080	9th	29·839	22nd	·241	75·3	85·2	+0·8	71·4	−0·7	78·3	+ 0·1	13·8	88·4	18th & 29th.	66·0	13th & 15th.	22·4
	Trichinopoly	255	29 742	—·027	29·935	29·880	9th	29·636	23rd	·244	75·1	91·7	−0·6	67·8	—0·6	79·8	—0·6	23·9	94·6	17th	61·3	13th	33·3
	Coimbatore	1,348	28 629	—·034	29·948	28·775	9th	28·548	23rd	·227	71·8	89·9	—2·1	65·7	+0·2	77·8	—1·0	24·2	94·4	15th	59·3	12th	35·1
	Salem	940	29 039	—·043	29·960	29·202	9th	28·977	23rd	2 5	73·1	93·6	0	66·2	+0·7	79·9	+0·4	27·4	98·2	17th	57·9	13th	40·3
	Cuddalore	37	29·945	—·031	29·912	30·093	9th	29·847	22nd	·246	73·0	85·3	−0·1	68·2	−0·7	76·3	—0·4	17·1	87·6	15th & 17th.	62·7	13th	24·9
	Vellore	707	29 289		29·959	29·138	9th	29 2·0	22nd	·228	69·0	89·2		66·7§		77·7§		22·5	94·2	15th	59·8	13th	34·4
	Madras	22	29·974	—·031	29·927	30·120	9th	29·877	22nd	·243	74·7	86·4	−0·5	68·3	+0·3	77·4	−0·1	18·1	92·5	17th	64·0	12th & 14th.	28·5
33	Cuddapah	433	29·434	—·029	29·924	29·701	9th	29·469	22nd	·232	74·8	95·0	- 0·1	67·4	—1·7	81·2	—0·9	27·6	99·7	15th	62·6	11th	37·1
	Bellary	1,375	28 484	—·031	29·935	28·644	9th	28·411	22nd	·233	71·4	94·7	+0·5	65·6	+0·2	80·2	+0·4	29·1	99·0	29th	57·3	12th	41·7
	Kurnool	923	29·036	—·028	29 933	29·197	8th & 9th.	28·953	29th	·244	68·1	94·6	+0·1	62·6	−2·2	78·6	−1·1	32·0	97·7	18th & 19th.	55·1	11th	42·6
34	Nellore	61	29·939	—·004?	29·935	30·099	8th	29 854	29th	·245	73·4	89·0	—1·6	67·6	-1·5	78·3	—1·6	21·4	94·3	17th	63·1	12th & 13th.	31·2
	Masulipatam	15	29·997*	—·012	29·947*	30·161	9th	29·887	29th	·274	74·1	86·4	−0·5	68·0	−0·3	77·2	−0·4	18·4	89·1	24th	63·6	11th	25·5
	Cocanada	26	29·971	—·026	29·934	30·129	8th	29·884	29th	·245	73·5	86·3	+0·5	68·4	−1·2	77·4	−0·4	17·9	93·1	17th	64·5	22nd	28·6
	Waltair (Vizagapatam).	*226*	29·757	—·041?	29·928	29·925	8th	29·671	29th	·254	75·2	82 9		69·8		76·4		13·1	87·9	22nd	67·4	4 days	20·5
	Calingapatam	19	29·975		29 934	30·151	8th	29·885	29th	·266													
	Gopalpur ¶	72	29·913	—·020	29·929	30·111	8th	29·798	29th	313	68·8	82·8	—0·7	65·2	—2·7	74·0	—1·7	17·6	87·2	15th	58·0	10th	29·2

N.B.—Elevations in italics indicate barometrical determinations.
NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,000 feet.

* Mean of 27 days.
† ,, 21 ,,
‡ ,, 28 ,,
§ ,, 16 ,,
¶ Observations of 28 days.

B—*continued.*

stations, in India, etc., in February, 1908—continued.

Wind Direction. Number of winds from: Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Stradiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs.* Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st December 1907 to 29the February 1908.	Normal rainfall for period, 1st December to 29th February.	Departure from normal of period, 1st Dec. 1907 to 29th Feb. 1908.	Heaviest rainfall during month	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																XII.—Hyderabad.
9	2	7	2	1	1	1	3	3	N 16° E		9·0			25		32		·225		0·1		0	0·20	-0·20	0	0·17	−0·17	0	0·76	−0·76	0	Aurangabad.
20	1					7		1	S 60° W		3·2			25		50		·398		1·2		2	0·40	+1·60	1·46	0·42	+1·04	1·98	0·65	+1·33	0·75	Nizamabad.
4	5	2	1	1	3	10		3	S 72° W		4·4			24		45		·364		0·9		1	0·40	+0·60	0·14	0·18	−0·04	0·68	0·72	−0·04	0·14	Bidar.
6	3	8	3	4	3	2			N 82° E	N 89° E	8·4	7·7	+0·7	36	+10	35	−14	·281	−·112	0·8	−0·1	0	0·40	−0·40	0	0·29	−0·29	0·28	0·36	−0·08	0	Gulbarga.
11		1	1	9	1	6			S 19° E	S 23° E	8·5	7·0	+1·5	42	+11	13	− 9	·371	−·067	1·6	+0·6	0	0·20	−0·20	0	0·21	−0·24	0·05	0·24	−0·19	0	Raichur.
28				1					S 45° E	S 68° E	1·9	4·1	−2·2	4	− 5	50	−17	·350	−·145	1·3	−0·1	0			0	0·15	−0·15	0·80	0·38	+0·42	0	Hyderabad (Dn.)
13	1		1	7	6	1			S 26° E		5·5‡			42		58		·443		2·1		0	0·60	−0·60	0·03			3·66			0·03	Hanumkonda
																																XIII.—Mysore.
9	1	1	6	5		2	3	2	S 67° E	S 6° E	5·0	6·3	−1·3	14	− 2	51	0	·407	−·017	1·2	−0·3	0	0·10	−0·10	0·04	0·07	−0·03	1·03	0·17	+0·86	0·03	Chitaldroog.
11	1	2	7	5		1	1	1	S 84° E	S 72° E	5·0	2·8	+2·2	35	−16	70	+ 3	·471	−·008	3·6	+1·2	1	0·10	+0·90	0·20	0·06	+0·14	0·81	0·24	+0·57	0·20	Hassan.
		2	16	4	6	1			S 67° E	S 62° E	7·7	5·0	+2·7	74	+19	65	− 5	·436	−·042	2·8	+1·1	0	0·20	−0·20	0	0·09	−0·09	4·50	0·71	+3·79	0	Bangalore.
2		8	6	2	4	5	3	1	S 47° E	S 89° E	8·4	7·9	+0·5	21	− 1	67	− 1	·501	−·007	3·1	+0·9	0	0·30	−0·30	0·01	0·22	−0·21	1·25	0·39	+0·86	0·01	Mysore.
																																XIV.—Madras.
3	1	3	11	1					N 80° E	N 76° E	4·7‖	2·9	+1·8	49	−18	72	− 3	·738	+·033	2·2	+0·5	0	0·10	−0·10	0	0·03	−0·03	0·52	0·53	−0·01	0	Mangalore.
3		10	13	3					N 77° E	N 69° E	8·2	9·8	−1·6	78	+11	86	+ 8	·803	+·068	2·6	+0·6	1	0·40	+0·60	0·61	0·15	+0·46	1·50	1·31	+0·19	0·58	Calicut.
		12	12	3					N 70° E	N 41° E	7·0‖	5·5	+1·5	85	+14	75	0	·723	−·018	2·0	+0·4	1	1·70	−0·70	0·22	0·87	−0·65	2·27	3·07	−0·80	0·16	Cochin.
5	2	6	3					2	N 38° E	N 55° E	3·5‖	4·7	−1·2	36	−11	77	− 1	·707	−·016	2·6	0	2	1·10	+0·90	1·08	0·64	+0·44	5·98	3·51	+2·47	0·85	Trivandrum.
5	13	5					2	4	N 4° W	N 17° W	3·0	4·9	−1·9	67	− 9	74	− 3	·697	−·015	5·0	+2·7	3	1·80	+1·20	3·23	1·48	+1·75	5·42	6·25	−0·83	2·32	Tinnevelly.
1	4	7	12					2	N 56° E	N 56° E	9·3	9·0	+0·3	6[illegible]	− 8	82		·782		3·4		3	0·50	+2·50	1·32	0·73	+0·59	8·53	12·37	−3·84	0·65	Pamban.
	10	9	3				1	6	N 11° E	N 14° E	7·1	4·5	+2·6	78	+15	76	+ 1	·669	−·018	5·2	+3·2	2	0·90	+1·10	1·01	0·51	+0·50	2·16	2·62	−0·46	0·73	Madura.
1		2		2		1			S 64° E		2·1			7		70		·542		3·8		3	1·40	+1·60	2·19	0·97	+1·22	9·58	3·16	+6·42	1·04	Periyakulam.
2	12	7					1	7	N 3° W		8·4			76		81		·686		4·5		2			0·77			1·81			0·39	Pudukkottai.
	1	8					3	17	N 27° W	N 18° E	11·8	6·4	+5·4	74	+34	81	+ 1	·720	−·034	4·4	0	3	0·80	+2·20	5·57	0·58	+4·79	8·77	14·74	−5·97	3·07	Negapatam.
	5	5	1				1	3	N 7° E	N 27° E	3·2‖	3·9	−0·7	39	+ 3	78	0	·674	−·011	3·6	+0·9	2	0·50	+1·50	0·30	0·79	−0·49	1·72	3·82	−2·10	0·18	Trichinopoly.
	2	7	8	1					N 66° E	N 63° E	4·3	2·9	+1·4	53	−10	69	−14	·541	−·121?	2·8	+0·3	2	0·80	+1·20	0·65	0·46	+0·19	5·55	1·75	+3·80	0·49	Coimbatore.
		7	13	1					N 77° E	N 53° E	6·3	5·3	+1·0	67	+12	74	0	·614	−·020	4·1	+2·5	2	0·50	+1·50	1·08	0·33	+0·75	2·12	1·82	+0·30	0·60	Salem.
	5	5					5	13	N 39° W	N 60° W	5·8	3·2	+3·6	70	+19	80	− 3	·700	−·080?	3·1	−0·4	4	0·70	+3·30	2·85	0·71	+2·14	6·45	9·70	−3·25	1·45	Cuddalore.
	1						1	1	N 45° W		4·0			10		77		·558		2·0		0	0·50	−0·50	0·12	0·13	−0·01	1·44	3·50	−2·06	0·69	Vellore.
	3	3	1		4	2	2	5	N 50° W	S 34° W	3·9‖	5·0	−1·1	18	+ 2	87	+ 5	·753	+·011	2·7	0	2	0·60	+1·40	0·48	0·23	+0·25	6·99	6·77	+0·22	0·27	Madras.
		1	9	11		6	2		S 45° E	S 72° E				53	−10	70	+ 4	·604	−·010	1·6	+0·7	0	0·20	−0·20	0	0·07	−0·07	0·78	1·37	−0·59	0	Cuddapah.
			3	5	3	1	3	1	S 18° E	S 11° E	3·7	4·0	−0·3	25	+ 5	46	−10	·351	−·117?	1·0	−0·5	1	0·10	+0·90	0·20	0·02	+0·18	0·78	0·22	+0·56	0·20	Bellary.
			2						E	S 58° E	3·6‖			7	− 1	63	+ 5	·445‡	−·033‡	0·5	−0·3	1	0·10	+0·90	0·48	0·02	+0·46	1·00	0·21	+0·79	0·48	Kurnool.
	2		7	8	6	2		1	S 46° E	S 14° E	4·0‖	4·6	−0·6	53	+37	86	+ 1	·705	−·037	4·0	+1·5	0	0·30	−0·30	0·05	0·10	−0·05	11·04	2·29	+8·75	0·05	Nellore.
	1	3	1	7	9	1			S 22° E	N 41° E	4·3	4·7	−0·4	49	+25	89	+ 3	·729	−·019	2·2	−0·4	0	0·30	−0·30	0	0·22	−0·22	4·86	1·07	+3·79	0	Masulipatam.
	3	3		1			2	14	N 33° W	N 17° W	5·9	7·2	−1·3	60	− 7	77	+ 3	·646	+·008	4·9	+2·7	1	0·50	+0·50	0·16	0·37	−0·21	4·61	1·28	+3·33	0·16	Cocanada.
	3	4	1			1	12		N 60° W	N 86° W	7·4			36	−27	68	− 3	·596	−·052	3·2	+1·2	0	0·50	−0·50	0·03	0·17	−0·14	7·33	2·13	+5·20	0·03	Waltair (Vizag.).
		8	2		3	2	7	4	N 82° W		4·6			24						1·9		0			0·07			2·33			0·07	Calingapatam
3						2	11	11	N 28° W	N 37° W	11·3	10·9	+0·4	78	+16	78	0	·547	−·070	1·4	−1·0	0	0·90	-0·90	0	0·48	-0·48	3·96	1·35	+2·61	0	Gopalpur.

‖ Uncorrected.

‡ Mean of 28 days.

Table

(2) *Abstract of observations taken at 8 hrs. at 238*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Stations in the Bay.																						
1	P. V. Fraser	*8*	30·007		29·932	30·225	8th	29·908	29th	·317	74·3												
	Car Nicobar	25	?		?	?	?	?	?	?	82·5	87·0		77·7		82·4		9·3	88·7	29th	73·4	6th	15·3
	Port Blair	61	29·893	—·034	29·885	29·996	7th	29·836	29th	·160	76·4	85·6	−2·5	73·5	−1·4	79·6	−2·0	12·1	88·7	29th	70·0	4th	18·7
	Slipper Island	90	29·844		29·869	29·939	7th	29·767	29th	·172	77·4	83·6		71·4		79·0		9·2	87·1	20th & 23rd.	71·6	1st	15·5
	Kashmir.																						
14	Srinagar	5,204	24·902	—·052	24·873	25·168	7th	24·562	1st	·606	33·1	48·2	+5·9	30·3	+3·0	39·3	+4·5	17·9	65·1	19th	24·1	3rd	41·0
	Gulmarg	*8,569*							Observations		not received												
	Sonemarg	*8,764*	21·711		21·679	21·923	8th	21·406	1st	·517	20·4	36·6		15·0		25·8		21·6	49·4	23rd	−3·9	3rd	53·3
	Dras	*10,059*	20·716		20·684	20·978	15th	20·363	1st	·615	5·3	25·6		−13·6		11·0		29·2	37·9	19th & 26th.	−26·0	15th	63·9
	Leh	11,503	19·599	—·012	19·567	19·816	15th	19·226	1st	·590	16·1	33·9	+2·5	11·9	+2·1	22·9	+2·3	22·0	48·6	19th	−1·0	4th	49·6
	Skardu	*7,505*	22·851		22·821	23·154	15th	22·478	1st	·676	30·1	42·4		27·5		35·0		14·9	52·9	22nd 23rd & 26th.	20·6	4th & 6th	32·3
	Minimarg	*9,359*	21·272*		21·240*	21·465	7th	20·911	1st	·554	19·5	38·9		12·9		25·9		26·0	55·0	23rd	−3·0	3rd	58·0
	Astor	*7,955*	22·488		22·458	22·726	15th	22·110	1st	·616	26·0	40·4		23·3		31·9		17·1	50·4	22nd	9·0	4th	41·4
	Gilgit	4,890	25·161		25·134	25·430	7th	24·800	1st	·630	41·0	51·5	+0·2	37·2	+0·6	44·4	+0·4	14·3	62·2	23rd	30·2	5th & 6th.	32·0
	Baluchistan.																						
16	Quetta	5,502	24·650	—·010	24·611	24·749	14th	24·406	1st	·343	36·8	56·9	+3·8	31·0	−0·7	41·0	+1·6	25·9	75·1	16th	17·3	2nd & 3rd	57·8
	Chamán	4,311	25·722	—·001	25·684	25·878	18th	25·527	1st	·351	43·7	60·8†	+3·7††	39·1‡	+2·3‡	51·3††	+3·0	21·8	72·8	15th & 16th	20·8	3rd	52·0
	Robat	...	26·924		26·882	27·131	18th	26·641	15th	·490	51·6	67·1		43·7		55·5		23·4	78·0	16th & 25th.	29·7	18th	48·3
	Hill Stations, excluding Kashmir and Baluchistan.																						
	Chitral	*5,486*									36·3	48·1							59·1	25th			
	Para Chinar	6,000	24·353		24·320	24·543	7th	24·031	28th	·512	37·6	52·5		31·9		42·2		20·6	64·5	16th	23·4	3rd	41·1
	Cherat	*4,256*	25·729*	0	25·697*	25·930	8th	25·424	1st	·506	44·7	52·6	+0·5	40·7*	+0·6	46·6*	+0·6	11·9	64·1	18th	26·5	3rd	37·6
	Murree	6,338	23·812	−·016	23·780	24·021	7th	23·533	1st	·488	41·5	48·5	+0·5	36·6	+2·1	42·6	+1·3	11·9	60·0	16th	25·0	2nd	35·0
	Kailang	*10,087*	20·868§		20·823§	21·034	15th	20·472	1st	·562	19·6	34·8	+1·2	15·4	+1·6	25·1	+1·4	19·4	46·9	19th	2·9	7th	44·0
	Simla	7,224	23·065	−·013	23·027	23·235	9th	22·819	1st	·416	41·8	49·0	+3·1	37·8	+2·2	43·4	+2·7	11·2	62·2	18th	25·1	3rd	37·1
	Sarain	...	23·120			23·275	7th & 9th.	22·873	1st	·402	33·2	49·4		29·3		39·4		20·1	60·5	18th	20·5	7th	40·0
	Kaiabagh	...							Observation		not received												
	Chakrata	7,022	23·250	—·018	23·210	23·414	9th	23·051	1st	·363	42·2	55·4	+4·2	38·7	+2·6	47·1	+3·4	16·7	70·3	18th	26·7	2nd & 3rd	43·6
	Muktesar	7,556	22·824		22·783	22·947	8th	22·684	1st	·263	43·1	53·9		38·0		46·0		15·9	62·5	18th, 19th & 25th.	29·4	7th	33·1
	Darjeeling	7,376	23·000	+·015	22·955	23·152	6th	22·898	12th	·254	41·9	50·5	+2·6	37·4	+1·8	44·0	+2·2	13·1	54·8	9th, 11th 19th	32·2	15th	22·6
	Shillong	4,920	25·133		25·085	25·248	6th	25·038	12th	·210	50·4	63·5		42·9		53·2		20·6	69·9	28th	34·7	8th	35·2
	Cherra Poonjee	4,309	25·725		25·676	25·837	8th	25·635	12th	·202	54·1	62·3		48·1		55·2		14·2	70·7	29th	35·8	4th	34·9
	Maymyo	3,545	26·457		26·402	26·559	6th	26·383	11th	·176	54·3	74·1		44·6		59·4		29·5	77·9	7th	38·6	16th	39·3
	Pachmarhi	3,528	26·489	—·032	26·436	26·676	8th	26·349	29th	·327	59·5	77·8	+2·3	50·3	−1·2	64·1	+0·6	27·5	85·2	19th	39·1	8th	46·1
	Mount Abu	3,945	26·087	−·023	26·037	26·258	7th	25·824	1st	·434	60·5	69·1	+0·3	54·1	+0·5	61·6	+0·4	15·0	78·2	16th, 17th & 18th.	37·9	2nd & 3rd.	41·3
	Mercara	3,781	26·260	−·025	26·193	26·371	9th	26·195	23rd	·176	64·6	81·6	+0·4	59·4	+0·6	70·6	+0·5	22·2	85·0	28th	54·0	13th	31·0
	Ootacamund	*7,329*	23·060		22·996	23·161	8th & 9th.	23·009	22nd 24th & 25th.	·152	54·6	66·2		44·8		55·5		21·4	71·0	6th	36·2	1st	34·8
	Kodaikanal	7,688	22·841		22·776	22·927	9th	22·786	23rd	·141	54·5	65·3		48·3		56·8		17·0	72·5	5th	42·0	9th	29·5

N.B.—Elevations in italics indicate barometrical determinations.

* Mean of 28 days.
† " " 27 "
‡ Mean of 26 days.
†† " 24 "
§ " " 23 "

NOTE.—The barometric readings are not reduced to sea-level in the cases of

B—*continued.*

stations, in India, etc., in February, 1908—continued.

Wind Direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 29th Feb. 1908.	Normal rainfall for period, 1st Dec. to 29th February.	Departure from normal of period, 1st Dec. 1907 to 29th Feb. 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Stations in the Bay.
1	6	2			2	11	4	3	S 89° W					12		81		·695		2·9		0			0			a 0·17			0	P. V. Fraser.
	1	6	1						N 45° E		4·4 ††			100		73		·806		9·6		4			0·85			10·28			0·40	Car Nicobar. (b)
6	6	8	2	1			1	5	N 15° E	N 9° E	5·5	5·0	+0·3	53	+ 2	83	− 1	·757	−·057	4·8	+1·4	4			3·35	0·40	+2·95	13·84	8·04	+ 5·80	1·07	Port Blair.
	20	4	1					4	N 2° E		10·0			92		73		·681		3·9		0			0			14·29			0	Slipper Island.
																																Kashmir.
12		1		6	2	1	3	4	S 26° W	S 24° E	4·3	3·5	+0·8	14	− 9	83	− 6	·157	−·001	6·5	−1·1	6	6·40	−0·40	2·25	2·80	−0·55	4·16	7·20	− 3·04	0·50	Srinagar.
																		Observation		not	received.											Gulmarg.
18	1	5	4					1	N 52° E		3·2			29		95		·112		5·9		11			8·83			23·23			3·06	Sonemarg.
26	2			1					N 30° E		1·0			4		75		·055		4·8		10	8·20	+1·80	1·87	2·57	−0·70	5·00	8·74	− 3·74	0·25	Dras.
15	1	2	4	1	3	3			S 50° E	S 27° W	2·8 ††	1·3	+1·5	18	−18	51	+ 4	·049	+·013	6·3	+0·3	2	1·00	+1·00	0·46	0·35	+0·11	0·56	0·85	− 0·29	0·21	Leh.
18				1	4	5	1		S 25° W		4·1			32		91		·152		7·0		0	2·60	−2·60	0·28	1·15	−0·87	0·66	3·57	− 2·91	0·09	Skardu.
25		1	2					1	N 56° E		2·4			7		78		·085		5·9		14			8·03			18·59			1·70	Minimarg.
17				3	6	3			S 45° W		2·9			36		72 †		·104 †		7·3		5			1·00			2·07			0·20	Astor.
18					1	10			S 86° W		2·7			39		60	+ 4	·156	+·020	7·1	+0·6	2	0·90	+1·10	0·27	0·16	+0·11	0·46	0·46	0	0·11	Gilgit.
																																Baluchistan.
17	1	2	1	3	2	1	1	1	S 51° E	S 4° W	5·1	3·5	+1·6	11	− 1	63	−11	·130	−·036	2·2	−1·6	0	6·40	−6·40	0·03	2·21	−2·18	1·78	5·05	− 3·27	0·03	Quetta.
2			3	11	9	4			S 22° E	S 46° E	8·3	8·4	−0·1	74	+13	55*	− 9	·152*	−·030	2·5	−1·6	0	4·30	−4·30	0·03	1·75	−1·72	2·03	3·97	−1·94	0·03	Chaman.
5	8	8	6			2			N 36° E		9·3			60		42		·165		0·2		0			0			2·08			0	Robat.
																																Hill Stations, exluding Kashmir and Baluchistan.
24		4	1						N 53° E		1·6			17		79		·175		4·6		5			1·64			3·68			0·65	Chitral.
23	1	1	1				2	1	N 27° W		4·5			7		67		·149		3·4		4	4·80	−0·80	1·30	1·93	−0·63	4·70	3·35	+ 1·35	0·50	Para Chinar.
3	10	1		3		2		10	N 21° W	N 16° W	12·8	13·6	−0·8	53	− 3	52	− 8	·148	−·018	4·3	−0·1	3			2·06	3·31	−1·25	6·77	6·38	+ 0·39	1·02	Cherat.
6	2	1	1	13	6				S 42° E	S 68° E	11·3	8·9	+2·4	56	+16	53	−11	·109	−·035	4·3	−0·5	6	2·70	+3·30	2·45	3·84	−1·39	5·43	8·65	− 3·22	0·95	Murree.
		2	4	7	4	5	6	1	S 1° E		0·6 ††	1·0	−0·4	9		79		·090		4·9		7			3·48	3·02	+0·46	5·68	7·02	− 1·34	1·02	Kailang.
3	14			3	9				N 36° E	S 53° E	6·9	5·0	+1·9	14	−11	47	− 9	·113	−·018	3·2	−1·3	3	4·00	−1·00	4·70	3·00	+1·70	5·68	6·94	− 1·26	2·50	Simla.
6		1	2		12	7		1	S 11° W		3·9			55		76		·143		2·8		5			6·42 ¶			3·19			2·83 ¶	Sarain.
																		Observation		not	received.											Kalabagh.
11	14							4	N 10° W	N 66° E	7·9	6·3	+1·6	60	+29	52	−12	·129	−·020	2·4	−1·2	3	5·60	−2·60	6·67	4·20	+2·47	8·61	9·09	− 0·48	3·05	Chakrata.
7		2	4	3	1		12		S 68° W		10·4			18		47		·120		2·0		4			2·64			5·71			1·20	Muktesar.
6	2	5	4	3	1	5	3		S 71° E	S 53° E	4·2	5·5	−1·3	11	− 9	81	− 3	·221	+·010	3·8	−1·0	3	2·52	+0·48	1·19	1·01	+0·18	2·02	1·95	+ 0·07	0·63	Darjeeling.
11			1	1	5	7	4		S 35° W		4·6			46		67		·245		3·5		4	1·80	+2·10	0·81	0·79	+0·02	2·35	1·60	+ 0·75	0·50	Shillong.
3	2	4	7	1		5	5	2	N 17° E		5·6			7		75		·311		0·6		2	3·10	−1·10	0·60	2·08	−1·48	1·51	3·12	− 1·61	0·35	Cherra Poonjee.
23				1	1	3	1		S 33° W		2·7			18		80		·341		0·4		0	0·30	−0·30	0	0·30	−0·30	2·63	0·81	+ 1·82	0	Maymyo.
8		3	1	1		2	6	8	N 58° W	S 23° W	5·6	4·4	+1·2	39	+23	40	−11	·202	−·093	1·0	−1·2	0	1·00	−1·00	0	0·47	−0·47	0·50	1·59	− 1·09	0	Pachmarhi.
6	3	3		1		6	5	5	N 69° W	N 45° W	7·4	6·1	+1·3	39	+11	26	−16	·135	−·071	0·7	−1·3	1	0·50	+0·50	0·16	0·29	−0·13	0·71	0·83	− 0·12	0·16	Mount Abu.
5	6	8	6	1	1			2	N 44° E	N 60° E	5·0	4·3	+0·7	53	+11	79	+ 9	·478	+·025	3·7	+0·7	1	0·30	+ 0·70	0·10	0·14	−0·04	0·99	0·67	+ 0·32	0·10	Mercara.
4		7	12	5	1				N 89° E		4·5			70		42		·180		1·6		2	1·20	+ 0·80	1·15	0·38	+0·77	2·91	2·38	+ 0·53	0·73	Ootacamund.
	12	2	5	3	1	1		5	N 18° E		14·2 ††			49		48		·206		2·6		3	2·30	+ 0·70	4·99	1·48	+3·51	8·08	8·22	−0·14	2·38	Kodaikanal.

hill or plateau stations, the elevations of which exceed 3,200 feet.

†† Uncorrected.

(b) Wind observation for 8 days only.

(a) Rainfall since 1st January.

¶ Snow water.

Table

(2) Abstract of observations taken at 8 hrs. at 238

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure 8 hrs. in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XIII.—Extra India.																						
	Singapore (*a*)	10	29·929		29·860	30·034	7th	29·871	29th	·163	82·6	88·2		72·7		80·5		15·5	92·4	24th	69·4	22nd	23·0
	Penang (*a*)	20	29·930		29·875	29·985	6th	29·870	18th	·115	81·3	91·3		73·8		82·6		17·5	91·0	5th	71·0	26th	23·0
	Trincomalee	12	29·973?	−·001?	29·911?	30·081	8th	29·876	23rd	·205	75·9	85·0	0	73·3	−1·8	79·2	−0·9	11·7	87·0	9th & 10th.	69·0	12th & 13th.	18·0
	Colombo	40	29·901	−·047	29·867	30·018	9th	29·802	23rd	·216	76·6	87·6	−0·7	72·6	−0·3	80·2	−0·5	15·0	93·0	9th	67·0	16th	26·0
	Minicoy	7	29·976			30·076	9th	29·875	25th	·201													
	Amini Divi	*13*	29·960	−·023	29·901	30·077	9th	29·863	25th	·214	81·4	88 0	+2·7	75·8	−0·3	81·9	+1·2	12·2	90·2	10th	71·0	7th	19·2
	Gyantse	13,120	?	?	?	?	?	?	?	?	21·1	49·5		9·8		29·6		39·7	63·5	20th	0·9	10th	62·6
	Pharijong §	14,400	17·750§			17·914	17th	17·624	1st	·290	17·2	37·7		5·4		21·6		32·3	60·1	28th	0·3	28th	59·8
	Gangtok	5,660?	24·488(*e*)			24·612	8th	24·400	12th	·212	48·0	58·5		42 9		50·7		15·6	65·1	5th	37·0	15th	28·1
	Gartok	15,100?									Observatory not opened.												
	Kashgar (*c*)	4,255	25·629			25·930	3rd	25·260	25th	·670	25·7	39·8	−5·3	21·7	−0·8	30·8	−3·1	18·1	53·2	25th	14·7	7th	38·5
	Kabul		24·233§		24·222.	24·430	8th	23·973	28th	·457	29·5	52·3	+3·8	23·3	0	37·8	+1·9	29·0	64·2	27th	14·4	2nd	49·8
	Meshed	3,104	26·738			26·995	17th	26·424	7th	·571	32·2	50·7		25·6	−3·0	38·2		25·1	74·4	24th	3·8	17th	68·6
	Jask‡	13	30·052	0	30·022	30·256	18th	29·938	24th	·318	66·6	76·0	+1·1	63·1	+1·3	69·6	+1·2	12·9	81·3	15th	53·3	18th	28·0
	Muscat	20	30·060	+·006	30·028	30·225	18th	29·946	24th	·279	68·6	78·6	+5·8	66·2	-1·6	72·5	+2·1	12·4	83·8	11th	60·1	17th	23·7
	Bahrein	18	30·125		30·097	30·410	17th	29·920	7th	·490	59·6	65·1		55·8		60·5		9·3	75·1	23rd	44·8	19th	30·3
	Bushire	14	30·072	−·004	30·045	30·326	17th	29·850	14th	·476	53·4	63·9	−1·8	50·4	−2·4	57·1	−2·1	13·5	75·6	7th	39·1	17th	36·5
	Busrah	25	30·153		30·139	30·474	17th	29·901	6th	·573	53·0	67·1	¶	43·5		55·3	¶	23·6	83·3	23rd	31·1	18th	52·2
	Ispahan (*b*)	*5,817*	24·196			24·350	17th & 21st.	23·930	8th	·420	31·6	54·1	+0·3	28·6	−0·6	41·3	−0·2	25·5	67·8	23rd	14·2	17th & 18th	53·6
	Tehran (*b*)	*4,002*	25·875			26·150	17th	25·590	7th	·560	33·9	54·7	+0·6	29·6	−3·3	41·2	−1.4	23·1	66·5	23rd	16·7	17th	49·8
	Baghdad	220	29·991	0	30·204 (*d*)	30·122	2nd	29·803	5th	·319	45·3 (*d*)	62·9	−1·7	40·6	−0·9	51·8	−1·3	22·1	77·2	29th	30·5	16th	46·7
	Beirut				30·025						55·2	63·1		51·0		57·1		12·1	76·3	28th	41·0	9th	35·3
	Aden	94	29·994	+·047	30·022	30·064	18th	29·918	29th	·146	73·6	80·3	−1·4	70·4	−3·0	75·4	−2·2	9·9	85·3	29th,	64·9	24th	20·9
	Perim	201	?	?	?	?	?	?	?	?	75·8	82·0	−1·5	72·6	−1·6	77·3	−1·6	9·4	84·3	12th	69·6	8th	14·7
	Zanzibar	72	29·909	0	29·908	30·000	10th & 11th	29·791	1st	·209	80·6	86·5	−0·6	78·8	−1·5	82·6	−1·1	7·7	90·4	13th	76·7	28th	13·7
	Do. Dunga	*154*	29·755		29·837	29·817	4th	29·709	28th, 27th & 28th.	·108	80·1	90·7		79·7		85·2		11·0	97·5	29th	76·3	4th	21·2

N.B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

(*a*) 9 hrs. observations.
(*b*) Aneroid uncorrected.
(*c*) Aneroid corrected.
(*d*) 8½ hrs. observations.
§§ Observations of 22 days.
‡ Observations of 26 days.
¶ Mean of 25 ,,
** ,, of 6 ,,
§ Mean of 18 days.
‖ ,, of 27 ,,

B—*concluded.*

tations in India, etc., in February, 1908—concluded.

Wind direction. Number of winds from Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 29th Feb. 1908.	Normal rainfall for period, 1st Dec. to 29th Feb.	Departure from normal of period, 1st Dec. 1907 to 29th Feb. 1908.	Heaviest rainfall during month.	Station.
5	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																XIII.—Extra India.
5	12	10						2	N 15° E		4·1*			69						5·7		9			5·92			23·72			1·54	Singapore.
	3	10			4	1	2	9	N 10° E		9·9*			37						0·3		7			3·72			13·54			0·95	Penang.
1		3	1	1					N 69° E	N 7° E	1·3*	6·9	−5·6	14	−7	86	+5	·777	−·034	4·4	+1·3	5			6·85	1·98	+ 4·87	17·88	23·26	− 5·38	3·25	Trincomalee.
4	7	10	1	1	2		1	3	N 23° E	N 58° E	6·3*	6·4	−0·1	49	− 4	84	+12	·774	−·014	3·6	+1·2	3			1·57	2·29	− 0·72	7·08	12·28	− 5·20	1·25	Colombo.
	13	6	3					7	N 5° E	N 20° E	4·5	5·2	−0·7	76	+10					2·3	−0·8	2			0·36	0·35	+ 0·01	2·94	7·10	− 4·16	0·18	Minicoy.
4	8	11						6	N 11° E					72		73	−3	·785	−·046	3·6	−0·3	2			0·26	0	+ 0·26	1·20	0·51	+ 0·69	0·14	Amini Divi.
			2	1	3	3			S 37° E		3·4			86		67		·077		0		0			0			0			0	Gyantse.
3	3			1	3		1	1	W		7·1†			4		92		·093		3·6		1			0·25			0·25			0·25	Pharijong.
3	1	1				1			N		3·6			4		79		·264		1·2		6			2·02			2·63			0·86	Gangtok. (*f*)
																		Observatory not opened.														Gartok.
3	1							5	N 39° W	N 29° W	0·8	1·5	−0·7	24	+14					6·2	+1·2	0			0	0·12	− 0·12	0·18	0·58	− 0·40	0	Kashgar.
	1	12	1				2	8	N 5° W	S 51° E				38	+29	80		·136		3·3	0	5			6·53	0·98	+ 5·55	11·58	2·51	+ 9·07	2·60	Kabul.
2	3	1		2	1				N 63° E		2·1			7		87		·164		2·7	−1·9	1			0·19	1·03	− 0·84	1·22	2·14	− 0·92	0·12	Meshed.
8	3	3	6	1				10	N 9° E	N 10° E	15·6‖	12·2	+3·4	42	−26	70	− 6	·466	−·031	1·4	−1·1	0			0	0·97	− 0·97	0·92	2·62	− 1·70	0	Jask.‡
8	1						2	8	N 49° W	S 82° W	5·2	4·7	+0·5	36	− 5	62	− 9	·443	−·068	0·6	−1·8	0			0	0·78	− 0·78	0·36	2·32	− 1·96	0	Muscat.
	2	2	2	3		1	9	10	N 54° W		8·6			48		77		·034		0·8		1			0·10			0·86			0·10	Bahrein.
4	3	7	4	2	1			8	N 23° E	N 48° E	13·1	8·0	+5·1	42	− 5	74	− 2	·310	−·053	2·5		0			0·04	2·35	− 2·31	5·20	8·71	− 3·51	0·04	Bushire.
5				1	3	2	10	8	N 86° W		5·7			55		69		·278		2·2		0			0			1·24			0	Busrah.
2	1			2			4		S 82° W	S 82° W	3·3*	4·6	−1·3	9	−35	75	− 5	·137	−·042	1·5	−1·7	2			0·39	0·17	+ 0·22	2·66	0·97	+ 1·69	0·21	Ispahan.
5	8	12	1			1	1	1	N 22° W	N 22° E	6·1	3·6	+2·5	66	+36	71	+ 6	·137	−·022	1·7	−2·2	1			0·17	0·82	−0·65	4·60	3·48	+ 1·12	0·10	Tehran.
8	5				5		3	8	N 56° W	N 8° E	10·0	4·4	+5·6	38	+15	88 (*d*)	− 2	·206 (*d*)	−·055	2·7	+0·1	3			0·64	2·17	− 1·53	2·19	5·19	− 3·00	0·29	Baghdad.
7			1		1	1	1	2	S 17° W					46		75		·323		6·2		11			5·71			17·05			1·45	Beirut.
7		2	2						N 49° E	N 81° E	8·8	15·3	−6·5	74	− 5	72	− 4	·536	−·079	4·4	−2·0	0			0·01	0·29	− 0·28	0·14	0·98	− 0·84	0·01	Aden.
	2	2	11	7	7				S 62° E	S 83° E	17·0§	19·2	−2·2	66	− 5	70	− 8	·632	−·084			0			0	0·26	− 0·26	2·23	0·68	+ 1·55	0	Perim.
3	18	4	1		1		1	1	N 5° E	N 27° E	8·2	6·7	+1·5	72	0	79	+ 1	·820	−·044	7·4	+1·3	1			0·32	1·38	− 1·06	5·82	7·52	− 1·70	0·17	Zanzibar.
9	16							4	N 9° W		8·6			66		79		·815		1·7		1			0·38			2·43			0·38	Do. Durga.

* Uncorrected.

† Mean of 20 days.
§ " of 26 "
(*e*) " of 28 "

‖ Mean of 23 days.

(*f*) Wind observations for 26 days.

Table C.—Abstract of observations taken at 8 hrs. at 27 fourth class stations, in India, in February, 1908.

Table

Abstract of observations taken at 8 hrs.

Number of subdivision.	Station.	Temperature of air.													Wind direction.									
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	II.—Eastern Bengal and Assam.																								
4	Bishnath	54·4	76·1	...	47·4	...	61·8	...	28·7	83·1	19th	41·4	10th	41·7	...	...	...	...	..	...	...	...	...	...	...
	Borjuli	56·3	78·1	...	49·1	...	63·6	...	29·0	84·7	19th & 29th.	42·2	9th & 10th.	42·5	...	...	...	...	...		...	...	...	...	...
	Chandkhira	59·5	82·3	...	51·2	...	66·8	...	31·1	88·7	29th	42·1	9th	46·6	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	56·4	60·9	...	50·4	...	55·7	...	10·5	66·9	13th	44·9	1st	22·0	...	...		...	...	...	...	...	...	...	...
	Dikom	56·0	74·6	...	52·4	...	63·5	...	22·2	81·6	7th & 19th.	44·7	17th	36·9	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	57·3	75·0	...	53·1	...	64·1	...	21·9	81·1	19th & 29th.	48·0	16th	33·1	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	57·3	81·7	...	54·1	...	67·9	...	27·6	88·0	29th	47·0	9th	41·0	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	58·1	74·5	...	54·3	...	64·4	...	20·2	81·9	19th	49·3	16th	32·6	...	...	...	...	...	...	...	...	...	...	...
	Messa	62·5	81·0	...	52·8	...	66·9	...	28·2	85·3	29th	47·0	10th	38·3	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	53·0	76·4	...	49·7	...	63·1	...	26·7	82·9	19th	43·9	8th	39·0	...	...	...	...	...	...	...	...	...	...	...
	Srimangal	60·7	83·0	...	53·0	....	68·0	...	30·0	90·0	29th	43·5	9th	46·5	...	...	...	...	...	...	...	...	...	...	...
	Tura §	71·8	76·8	...	59·3	...	68·0	...	17·5	84·6	27th	51·4	8th	33·2	...	1	2	...	7	...	18	1	...	S 65° W	...
5	Brahmanbaria	63·6	82·7	...	56·1	...	69·4	...	26·6	90·3	29th	46·1	9th	44·2	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	55·1	83·4	...	47·8	...	65·6	...	35·6	88·3	10th	39·9	8th	48·4	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	62·3	84·0	...	52·7	...	68·4	...	31·3	93·9	29th	41·8	9th	52·1	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	61·8	77·0	...	49·4	...	63·2	...	27·6	85·5	21st	44·0	9th	41·5	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	60·7	79·0	...	53·5	...	66·3	...	25·5	86·1	19th, 21st & 28th.	44·9	8th	41·2	...	...	...	...	...	...	...	...	...	...	...
	Pabna	65·3	84·2	...	54·1	...	69·2	...	30·1	93·5	29th	46·8	23rd	46·7	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
6	Fraserganj	73·0	...	...	...	...	...	...	...	...	...	...	...	...	...	12	...	...	...	11	...	5	1	S 9° W	...
	XI.—Central Provinces.																								
24	Chhindwara	Observatory not opened.																							
	Hill Stations.																								
	Panighatta	64·0	76·9	...	55·7	...	66·3	...	21·2	84·4	28th	47·1	8th	37·3	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	50·9	60·6	...	47·6	...	54·1	...	13·0	67·3	19th	43·1	15th	24·2	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	41·5	...	27·5	...	34·5	...	14·0	53·8	17th	17·8	7th	36·0	21	...	...	1	5	1	1	...	...	S 39° E	...
	Kargil	19·1	34·4	...	14·8	...	24·7	...	19·6	48·7	19th	5·6	15th	43·1	...	5	7	1	1	1	1	1	1	N 14° W	...
	Killa Drosh	37·3	49·3	...	33·6	...	41·5	...	15·7	62·3	15th	26·0	2nd & 3rd	36·3	24	...	4	...	1	...	...	...	...	N 63° E	...
	Pishin	..	57·4	...	29·7	...	43·6	...	27·7	74·3	16th	15·0	2nd	59·3	...	...	...	...	...	...	...	...	...	...	...
	Kalat	33·5	55·0	...	25·1	...	40·1	...	29·9	70·9	16th	9·9	2nd	61·0	...	6	...	...	...	21	...	2	...	S 8° W	...
	Extra India.	**	**				††																		
	Birjand	38·8	51·9	...	30·8	...	41·1	...	21·1	64·3	15th	19·7	2nd	44·6	6	4	10	...	1	...	...	2	2	N 14° E	...

§ Observations of 10 hrs.

* Mean of 17 days
" 26 "
" 24 "

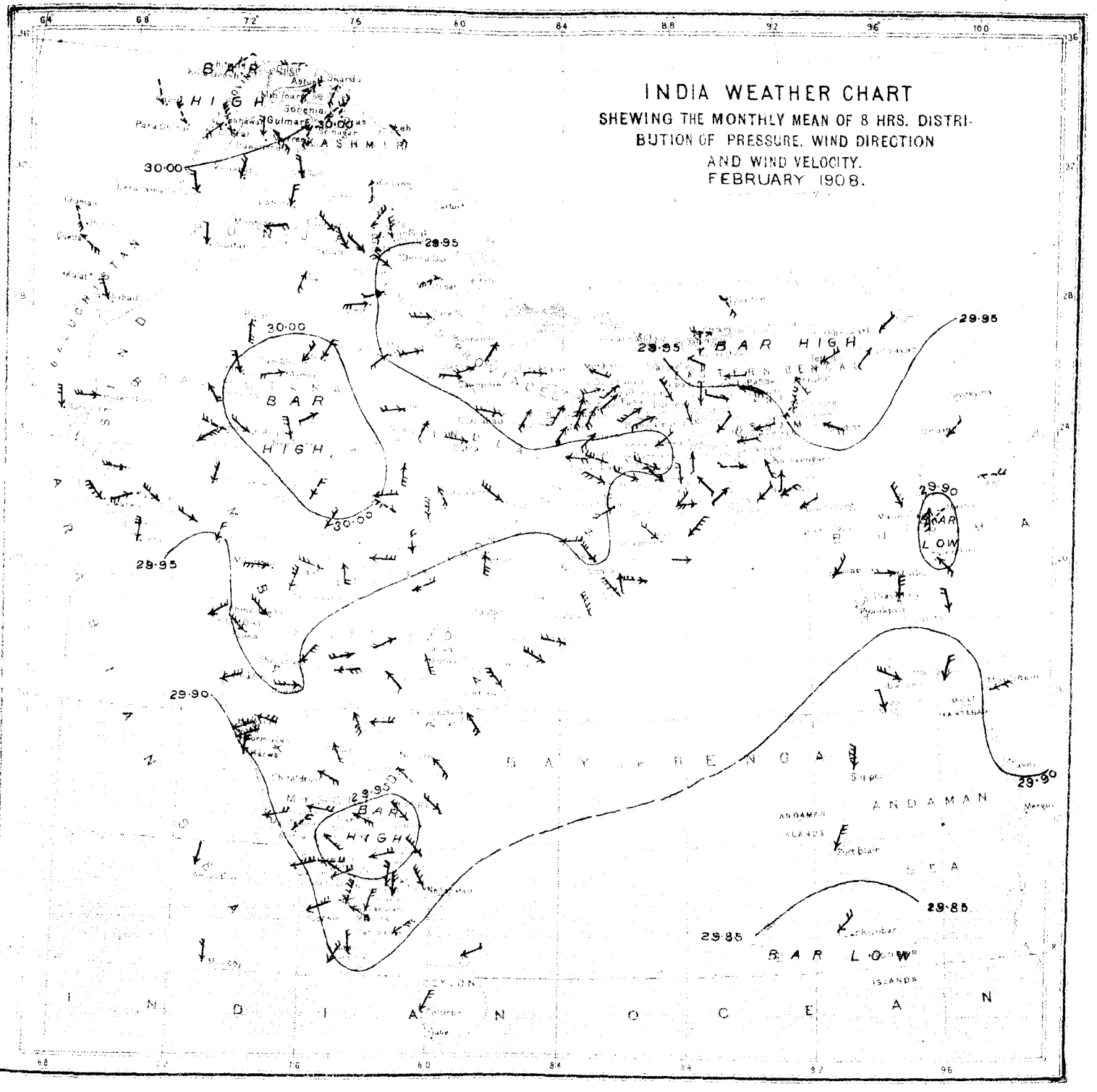
† Mean of 28 days.
‡ " 25 "
‖ " 23 "

C.

at 27 fourth class stations in India, etc., in February, 1908.

Wind Velocity.			Wind steadiness.		Hygrometry, 8 hrs				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Mean velocity miles per hour.	Normal.	Percentage departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal, in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st December 1907 to 23th February 1908.	Normal rainfall for period, 1st December to 29th February.	Departure from normal of period, 1st December 1907 to 29th Feb. 1908.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Eastern Bengal and Assam.
...	...	...	...	...	98	...	·421	...	...	...	3	...	...	1·37	...	...	1·98	...	...	0·63	Bishnath.
...	...	...	...	...	90	...	·418	...	...	...	2	...	...	0·72	...	...	1·09	...	...	0·35	Borjuli.
...	...	...	...	...	91	...	·466	...	...	...	1	...	...	0·71	...	...	3·09	...	...	0·63	Chandkhira.
...	...	...	...	...	94	...	·436	...	...	...	3	...	...	1·29	...	...	1·64	...	...	0·49	Doom Dooma.
...	...	...	...	...	95	...	·428	...	...	...	4	...	...	1·63	...	...	3·12	...	...	0·57	Dikom.
...	...	...	...	...	95	...	·451	...	...	...	2	...	...	0·95	...	...	2·24	...	...	0·53	Golaghat.
...	...	...	...	...	91*	...	·446*	...	...	...	2	...	...	0·78	...	...	2·33	...	...	0·36	Hailakandi.
...	...	...	...	...	94	...	·457	...	...	...	3	...	...	1·43	...	...	2·41	...	...	0·65	Jorehat.
...	...	...	...	...	87	...	·495	...	...	...	2	...	...	0·98	...	...	1·44	...	...	0·62	Messa.
...	...	...	...	...	90†	...	·369†	...	...	...	2	...	...	0·56	...	...	0·76	...	...	0·27	Panerihat.
...	...	...	...	...	87	...	·458	...	...	...	1	...	...	1·62	...	...	3·65	...	...	1·57	Srimangal.
...	...	...	55	...	52	...	·396	...	...	...	2	...	...	0·59	...	...	1·66	...	...	0·34	Tura.
...	...	...	...	...	83	...	·492	...	...	...	...	...	...	...	...	...	2·88	...	...	...	Brahmanbaria.
...	...	...	...	...	90	...	·398	...	...	...	2	...	...	0·48	...	...	0·72	...	...	0·25	Dam Dim.
...	...	...	...	...	82	...	·462	...	...	...	...	...	...	...	...	...	0·52	...	...	...	Goalundo.
...	...	...	...	...	81	...	·457	...	...	...	2	...	...	1·18	...	...	1·47	...	...	0·58	Kalchini.
...	...	...	...	...	75	...	·399	...	...	...	2	...	...	0·56	...	...	0·75	...	...	0·25	Nagrakata.
...	...	...	...	...	74	...	·466	...	...	...	0	...	...	0·05	...	...	1·68	...	...	0·03	Pabna.
																					III.—Bengal.
...	...	...	21	...	84	...	·688	...	...	...	0	...	...	...	...	...	0·98	...	...	...	Fraserganj.
																					XI.—Central Provinces.
											Observatory not opened.										Chhindwara.
																					Hill Stations.
...	...	...	...	...	63	...	·372	...	...	...	1	...	...	0·59	...	...	0·78	...	...	0·46	Panighatta.
...	...	...	...	...	72	...	·266	...	...	...	2	...	...	0·93	...	...	1·67	...	...	0·48	Kurseong.
...	...	...	24	...	...	...	...	...	4·1	...	4	...	...	1·62 (c)	3·93	−2·31	2·32 (a)	8·18	−5·86	0·75 (c)	Poo.
...	...	...	59	...	57	...	·065	...	5·7	...	3	...	...	0·73	...	...	1·69	...	...	0·19	Kargil.
...	...	...	17	...	71	...	·160	...	1·6	...	6	...	...	1·85	...	...	4·28	...	...	0·44	Killa Drosh.
...	...	...	...	...	...	...	...	...	2·0	...	1	...	...	0·12	2·86	−2·74	1·53 (a)	6·22	−4·69	0·12	Pishin.
...	...	...	52	...	64	...	·124	...	6·2	...	0	...	...	0	1·26	−1·26	1·56	...	...	0	Kalat.
																					Extra India.
22·61	...	...	46	...	63	...	·148	...	3·2	...	1	...	...	0·76	...	...	3·45 (a)	...	...	0·68	Birjand.(b)

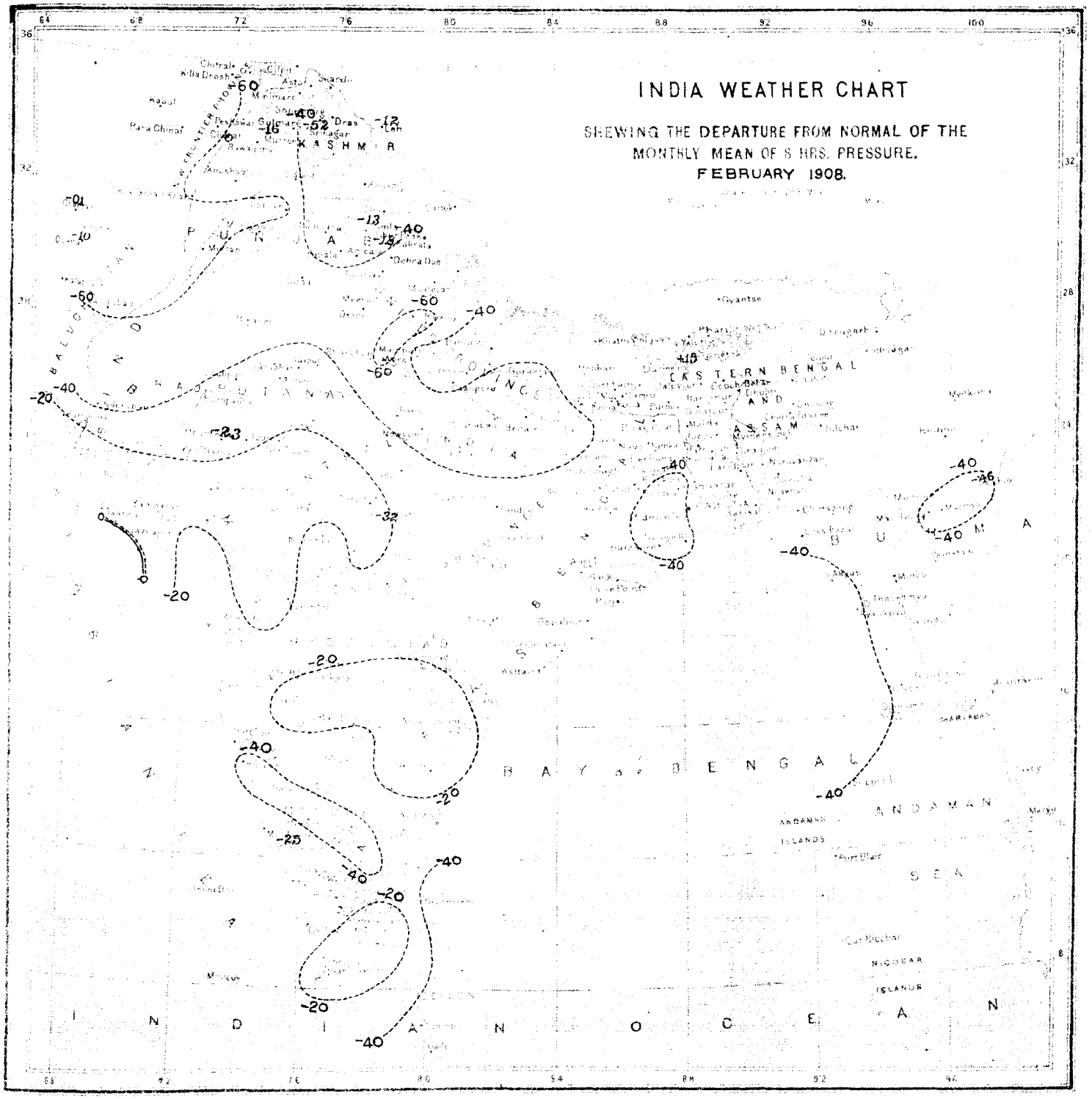
(a) Since 1st January 1908.
(b) Wind observation of 26 days.
(c) Snow water.



The lines of the above chart represent isobars or lines of equal barometric pressure, the numbers attached indicating the barometric pressure in inches and being drawn for differences of pressure of ·05 inch. The isobars in the Bay of Bengal are filled in by means of the ship observations, and by comparison with the normal distribution of pressure.

The mean 8 hrs. wind directions of the month are shewn by means of arrows flying with the wind, and are calculated by means of Lambert's formula applied to the winds as given in Table B of the 8 hrs. observations. The mean wind directions for the hill stations are indicated by broken arrows to distinguish them from the wind arrows for the plain stations. The mean velocity of the winds during the month is shewn by the following notation:—

Velocity of	0 to 2 miles per hour	. .	one feather added to the wind arrow.
,,	,, 2 to 5 ,,	. .	two feathers ,, ,,
,,	,, 5 to 10 ,,	. .	three ,, ,,
,,	,, 10 to 20 ,,	. .	four ,, ,,
	over 20 ,,	. .	five ,, ,,



The chart shows the departure from normal of the mean during the month of 8 hrs. pressure by means of lines drawn for equal amounts of departure. The numbers are given in thousandths of an inch, 20 representing .020 or two hundredths of an inch, &c. Continuous lines indicate that the pressure was in excess by amounts indicated by the numbers attached to the lines, and broken or dotted lines that it was in defect by amounts indicated by the numbers attached to the lines. Two parallel lines near to each other, one continuous and the other broken or dotted, represent the line of no departure, the dotted line facing the area of deficient pressure or negative departures.

PLATE III.

CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MAXIMUM TEMPERATURE.

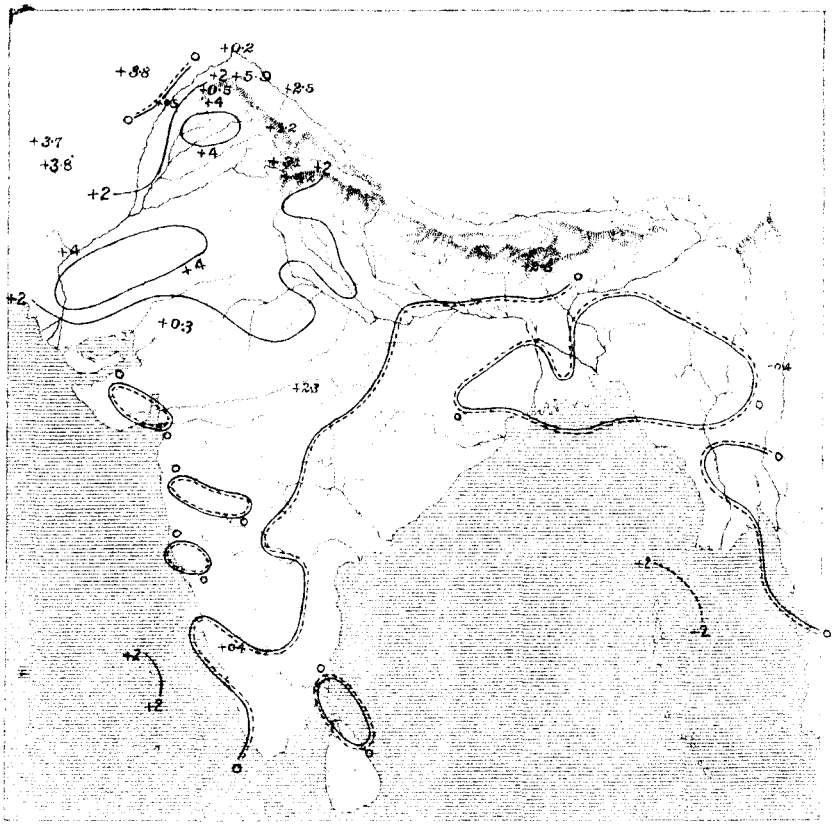
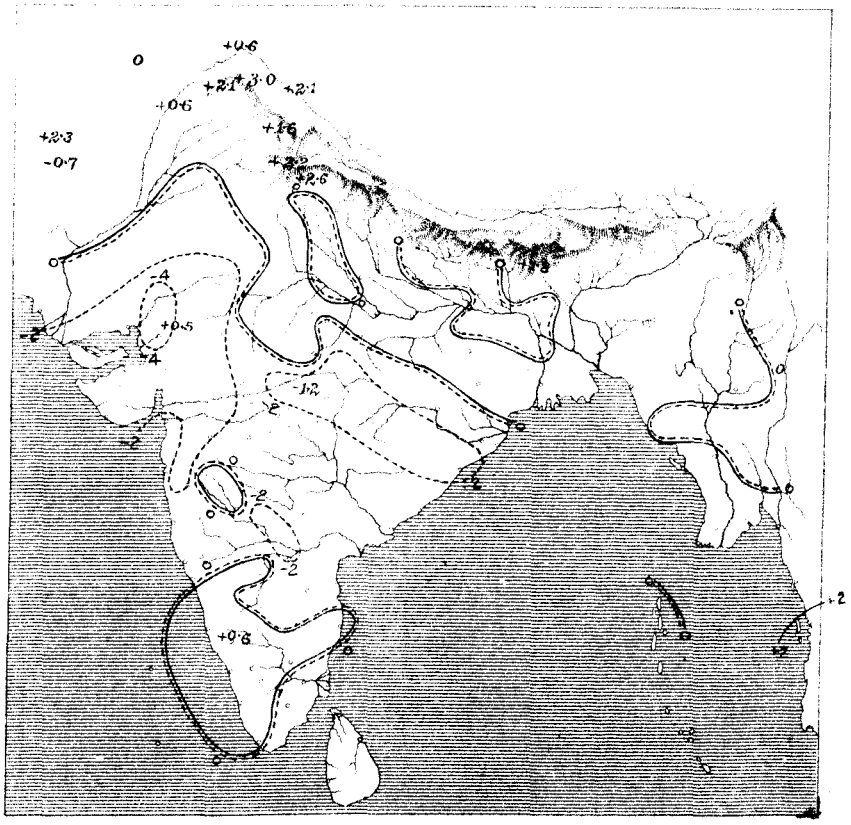


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.



LITHO BY P. N. BANERJEE.

PLATE IV.

CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MEAN TEMPERATURE.

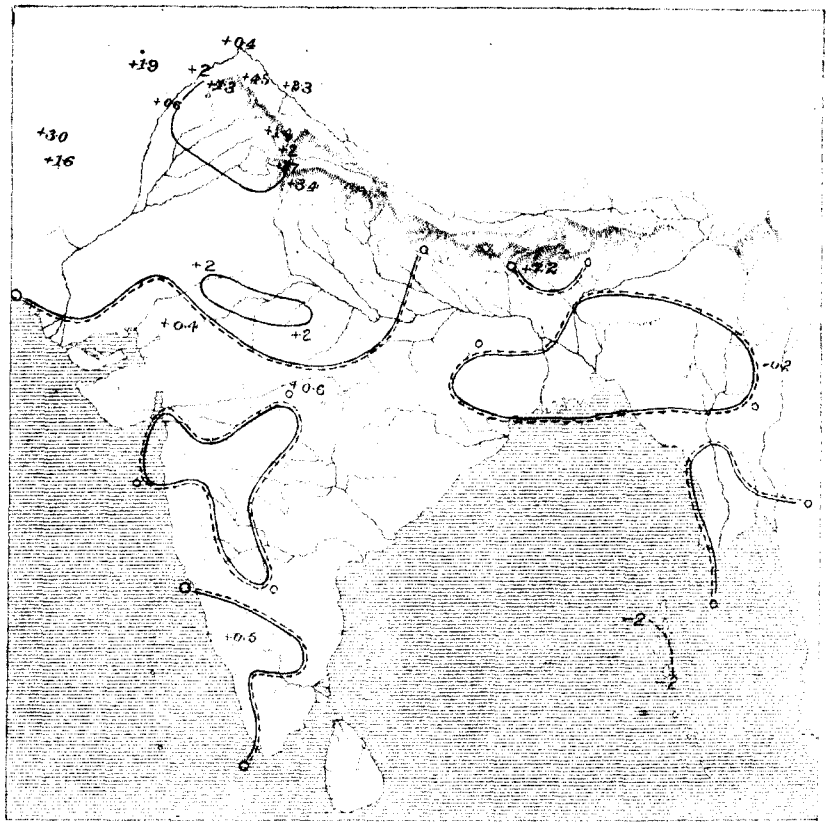


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.

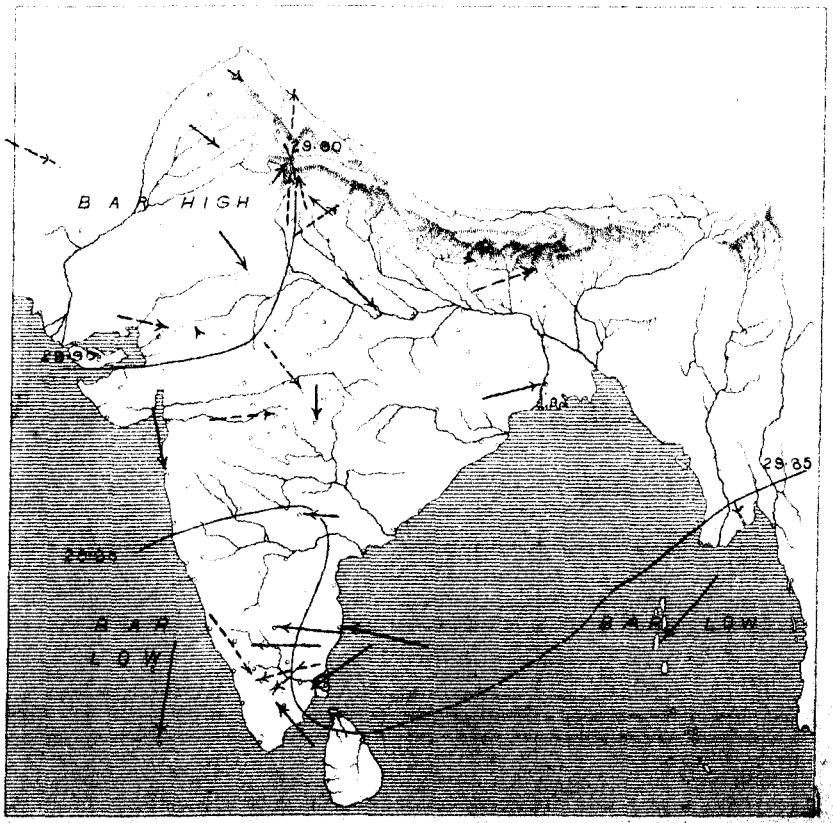


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PLATE V.

CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF ABSOLUTE HUMIDITY AT 8 HRS.

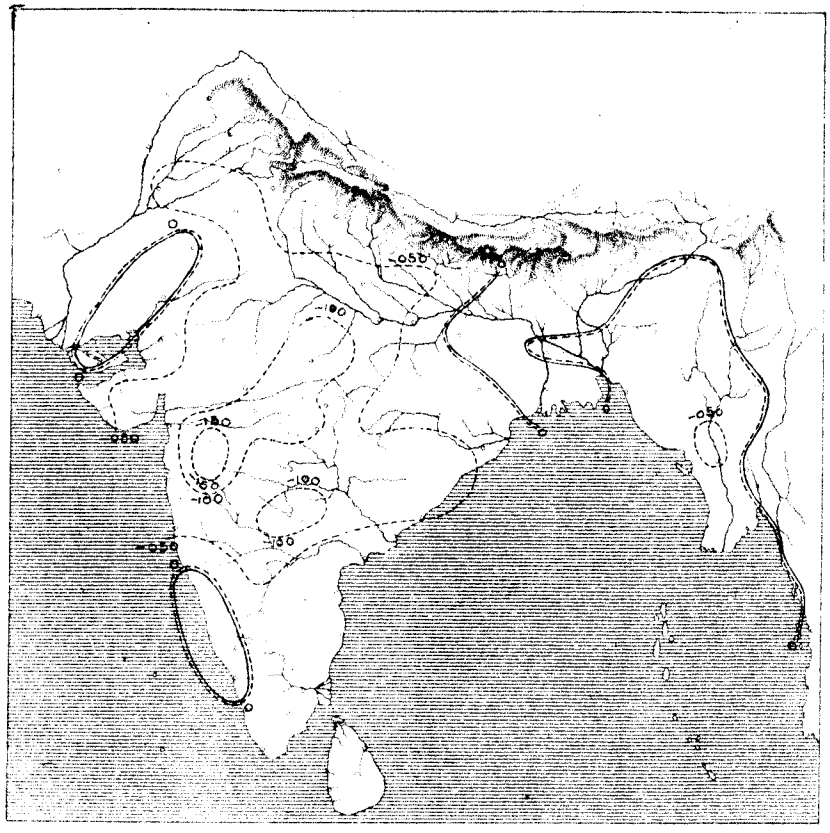
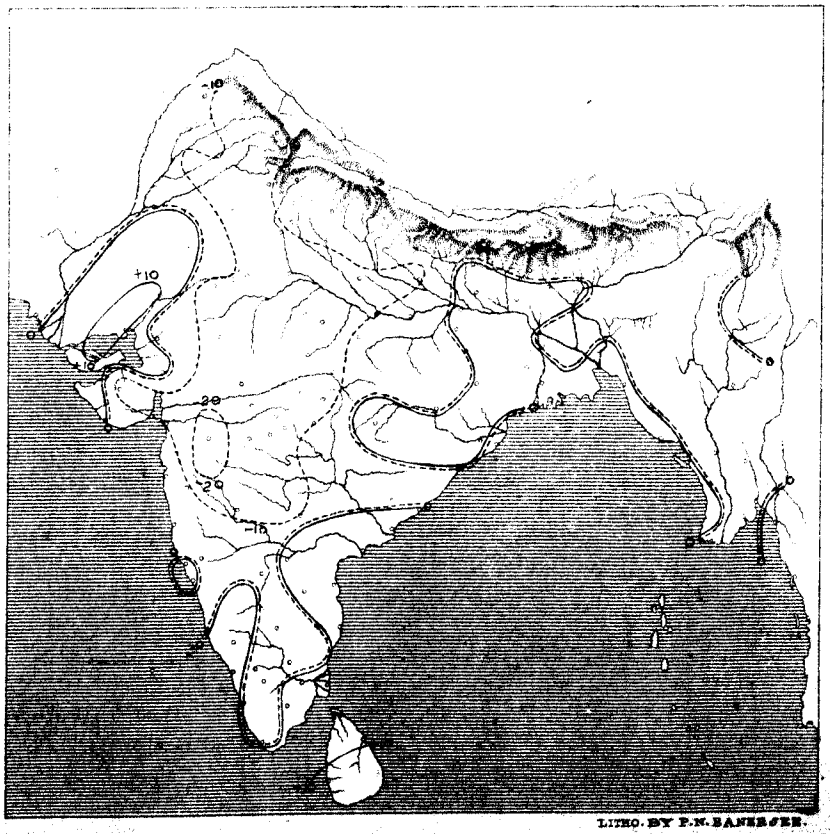


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.



LITHO. BY P.N. BANERJEE.

PLATE VI.

CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

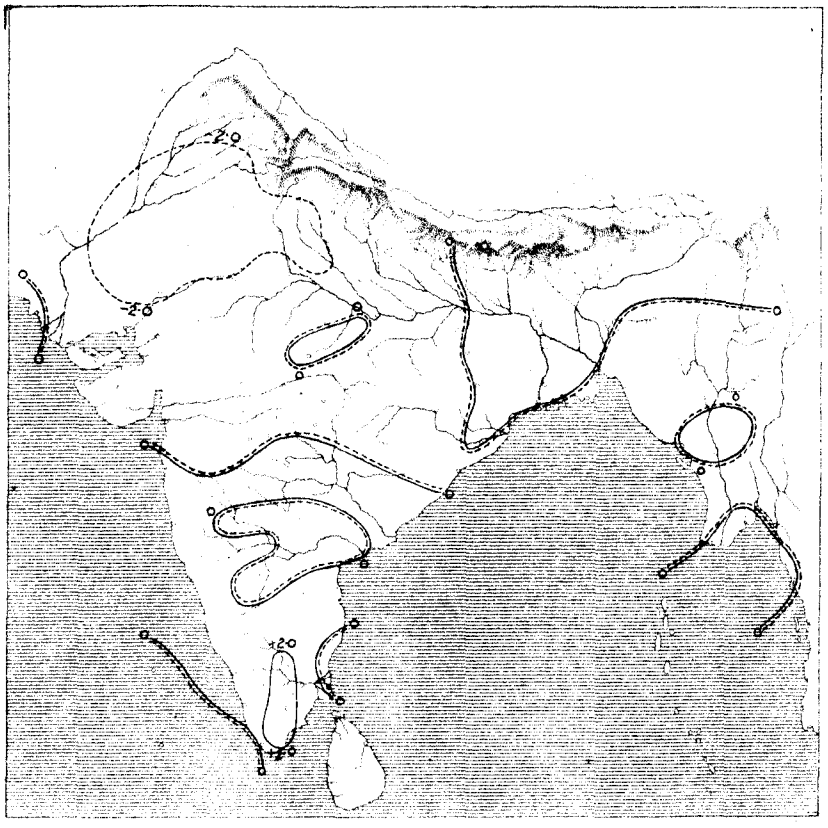
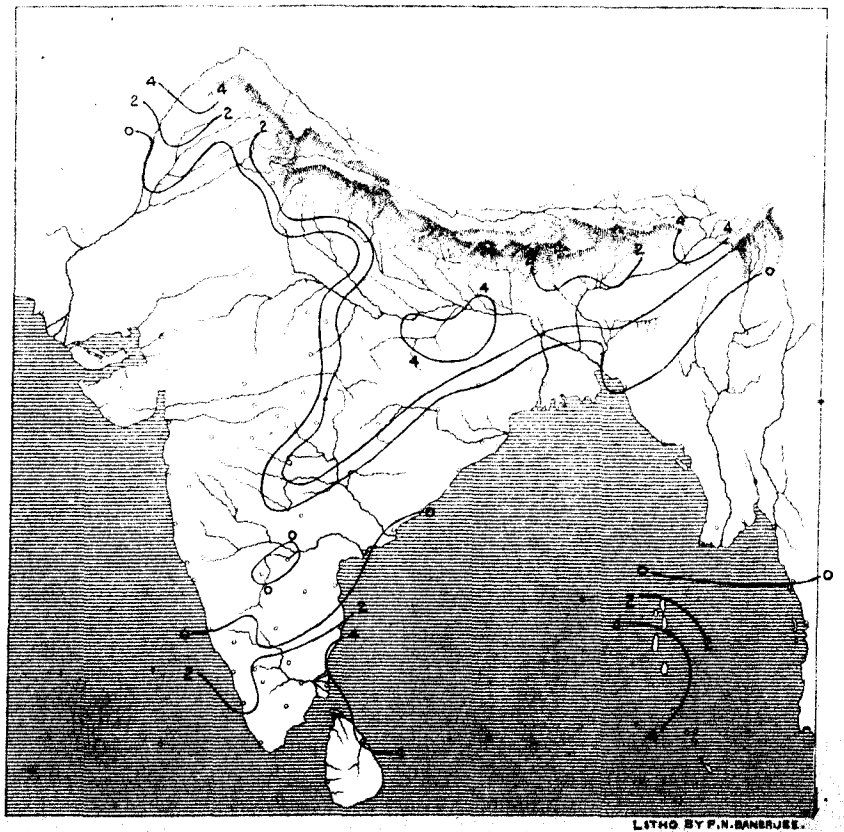


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)



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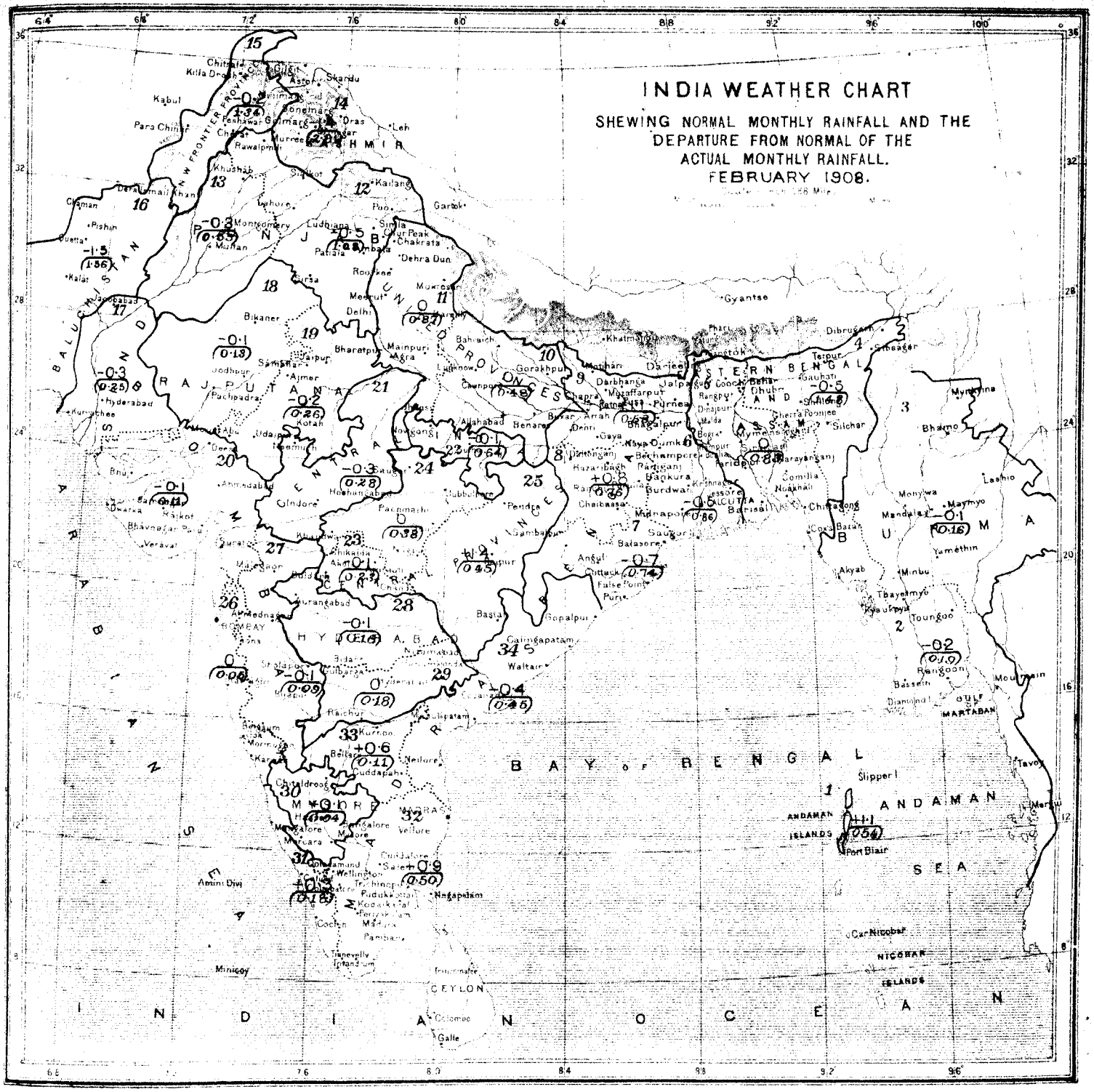

Reg. No. 1653 B., 08.—Wr., India.—July 08.—5,000.

LITHO BY P. N. BANERJEE.

The country is divided into 34 areas as shewn in the list below. The numbers in that list correspond with the red numbers on the chart, and serve to identify the areas. The numbers in brackets on the chart give the average over the divisions of the normal monthly rainfall; the numbers above these give the departures from normal of the average actual rainfall over the divisions.

1. Bay Islands
2. Lower Burma
3. Upper Burma
4. Assam
5. Eastern Bengal
6. Bengal
7. Orissa
8. Chota Nagpur
9. Bihar
10. United Provinces, East
11. Do., West
12. Punjab, East and North
13. Do., Southwest
14. Kashmir
15. Northwest Frontier Province
16. Baluchistan
17. Sind
18. Rajputana, West
19. Rajputana, East
20. Gujarat
21. Central India, West
22. Do., East
23. Berar
24. Central Provinces, West
25. Do., East
26. Konkan
27. Bombay, Deccan
28. Hyderabad, North
29. Do., South
30. Mysore
31. Malabar
32. Madras, Southeast
33. Madras, Deccan
34. Madras Coast, North

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GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW

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CALCUTTA, MARCH, 1908.

INTRODUCTION.

THIS review of the weather in India during the month of March, 1908, is based on observations taken daily at 8 hrs. at 237 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 35 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by the provincial Governments up to the date of the preparation of the review, have been utilized. The brief notes on solar, seismic and magnetic disturbances are supplied by the chief observatories.

Summary of the chief features of the weather in India during the month of March, 1908.

2. March was even a drier month than February, for, although several depressions of the cold weather type crossed northern India, they failed to produce any precipitation, except in the extreme north of India and in north-east India, and even in these areas the precipitation was much lighter than usual. A period of disturbed weather set in over the central parts of the country towards the end of the month and caused a large excess of rainfall in the west of Central India, Berar and the west of the Central Provinces, but as the normal fall in March is very small, the actual amount of rainfall was not large. During the last week thundershowers were numerous in south India, where also there was an excess of rainfall. In all other parts of India rainfall was in defect.

In spite of the unusually dry weather maximum temperature was normal or in defect and the minimum too was generally in defect, especially in the Central Provinces.

The moisture in the air was less than the average and in the Punjab, Rajputana, the Central Provinces and Hyderabad the deficiency was large, while there was more cloud than usual in the central parts of the country and the Peninsula.

Solar, seismic and magnetic disturbances.

The following reports regarding solar, seismic and magnetic disturbances during the month of March have been received from the chief observatories:—

KODAIKANAL.

3. *Solar Observations.*—Observations for spots were made on all the days of the month and for faculæ and prominences on 29 days. On 9 days the prominence observations were either partial or made in poor weather.

Sunspots.—The spot activity was even less than in February, there having been only 15 new groups with a daily average of 2·7. For the first time since June 1905 there was one day without spots, and on 6 days there was only one group. More than half the new groups formed on the visible disc. Group 1365 was a return of 1357

which formed near the west limb in February. There was no spot higher than latitude 16.°

The latitude distribution was as follows:—

	0°-10°	11°-20°
North	2	2
South	9	2

Spots 1371, 1372, 1373 and 1375 were fairly large. 1372 broke up into a cluster of small spots on crossing the central meridian. This group as well as 1373 and 1375 became very small as they neared the west limb and disappeared before reaching it. C was reversed and D_3 dark near spot 1370 on the 11th, and on 1376 on the 18th, and C was brilliantly reversed on one of the spots in group 1377 on the 28th.

Prominences.—The daily average of tall prominence was slightly higher than in February, there having been 69 prominences one minute or more in height, with an average of 2·4. The highest prominence of the month was a cloud about three minutes high observed near the south pole on the 14th. It was seen to be changing at 8hrs. 45m. and had almost completely disappeared by 9hrs. 50m. As seen in hydrogen light at 8hrs. 45m, it was connected with the limb only by a thin filament, but the photographs in calcium light (8hrs. 14m. and 8hrs. 34m.) show much detail between the cloud and the limb. There were 5 metallic prominences during the month.

Magnetic disturbances.—There was a "moderate" magnetic disturbance from 7hrs. on the 26th to about 20hrs. on April 1. There was very little spot activity during the period on the visible disc of the sun, but when the region then near the central meridian on the opposite side of the sun came round, it was found to be one of active disturbance.

C. MICHIE SMITH,

Director,

Kodaikanal and Madras Observatories.

BOMBAY OBSERVATORY.

Note on the Alibag Magnetic Record.

4 During the month the traces showed 9 calm days, 19 days of small, 2 days of moderate and 1 day of great disturbance.

The days of the month selected as quiet are the 6th, 14th, 15th, 18th and the 24th.

The observed absolute values of the several magnetic elements reduced to the mean monthly tabulations of the magnetograms, as also the ranges and the summed ranges of the Horizontal Force and Declination for the month, are as follow:—

Easterly Declination . . .	1° 2′ 58″.
Horizontal Force	0·36860 C.G.S. Unit.
Vertical Force	0·15908 do.
Dip (Calculated)	23° 20′·7.
Dip (Observed twice a week) .	23° 19′·9.
Horizontal Force Range. . .	·00049 C.G.S. Unit.
Horizontal Force summed range .	·00322 „
Declination range . . .	2′·77.
Declination summed range . .	9′·81.

NOTE.—Summed range means sum without regard to signs of 24 ordinates diurnal inequality.

The following table represents the magnetic character of each day in the month.

GOVERNMENT OBSERVATORY, BOMBAY.

Day.	Character.	Day.	Character.	Day.	Character.
1	S.	11	S.	21	S.
2	S.	12	C.	22	C.
3	S.	13	C.	23	C.
4	S.	14	C.	24	C.
5	S.	15	C.	25	S.
6	C.	16	S.	26	G.
7	S.	17	S.	27	M.
8	M.	18	C.	28	S.
9	S.	19	S.	29	S.
10	S.	20	S.	30	S.
				31	S.

C.=Calm; S.=Small; M.=Moderate; G.=Great; V. G.=Very great.
Days are reckoned from midnight to midnight.

Seismic disturbances recorded at Colaba.

Six Seismic disturbances were recorded during the month on the 5th, 13th, 21st, 23rd, 26th and 27th.

List of Seismic Disturbances.

Date.	Commencement.	Maximum.	End.	Maximum amplitude.	Duration.
	H. M.	H. M.	H. M.	M. M.	H. M.
1908. March 5	2 26·9	2 52·8	3 57·3	1·9	1 30·4
„ 13	6 32·7	6 33·5	6 47·1	0·7	0 14·4
„ 21	4 18·8	4 25·3	4 30·2	0·5	0 11·4
„ 23	12 31·6	12 57·4	13 36·5	0·8	1 4·9
„ 26&27	23 24·1	0 31·5	1 47·6	2·3	2 23·5
„ 27	4 27·9	5 22·6	6 3·4	0·6	1 35·5

All times given above denote G. M. T.

N. A. F. MOOS,

Director,

Bombay and Alibag Observatories.

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the Milne seismograph at the Alipore Observatory during March 1908.*

Date	P. T. Commencement. G. M. T.	L. W. Commencement. G. M. T.	Maximum. G.M.T.	End. G. M. T.	Duration.	Maximum displacement on trace from mean position. mm.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.		
1908 March 5th.	2 21·1	2 30·7	2 44·9	4 13·0	151·9	6·00	
	The displacement commenced in continuation of the usual morning air tremor.						
12th	19 32·2	...	..	19 51·5	0 19·3	...	Thickening of the line.
13th	6 21·8	6 23·8	6 25·8	7 6·0	0 44·2	2·75	
21st	4 25·7	...	...	5 1·3	0 35·6		Thickening of the line.
23rd	12 14·8	12 38·2	12 45·9	13 44·8	1 30·0	1·50	
	No trace from 26th to 28th March 1908 as the driving clock stopped.						

Sensibility. 1 mm.=0.38″ of tilt.

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing Seismograph; magnification was 20 during the whole month.*

Date.	Commencement of 1st P.T. G. M. T.	Commencement of 2nd P. T. G. M. T.	Beginning of L. W. G. M. T.	Maximum amplitude. G. M. T.	End approximately. G. M. T.	Duration.	Maximum displacement of style.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	M. M.	
1908. March 4th	4 54·0?	...	...	...	5 0?	0 6·0	...	Tremor.
5th	2 26·2	...	...	2 34·0	2 56·0	0 29·8	...	Do.
10th	17 48·5	...	...	17 48·9	17 51·0	0 2·5	3	Local.
12th	19 26·9	...	...	19 29·0	19 47·0	0 20·1	·5	Epicentre short distance away.
13th	6 25·0	...	...	...	6 38·0	0 13·0	...	Tremor.
24th	22 11·8	...	...	...	22 19·3	0 7·5	...	Do.
26th & 27th	23 25·0	23 35·6	...	24 21·4	1 5·0	1 40·0	3	Epicentre in Chilapa Mexico.

The following table contains a list of the earthquakes that have been reported :—

Place at which felt.	Date.	Time. G. M. T.	Direction.	REMARKS.
		H. M.		
Sharigh Baluchistan .	5th	15 30 to 23 30	...	13 shocks were felt and railway buildings were damaged.
Oghi (North-West Frontier Province.)	12th	18 30	North to South.	Slight.
Katha district (Upper Burma) . .	13th	6 0	...	Do.
Mandalay . . .	,,	7 25	North to South.	Do.
Kabul	27th	...	...	...
Rangoon . . .	29th	12 30	East to West	Slight.
Rangoon and Insein .	30th	16 50	...	Caused houses to oscillate at Insein.
Rangoon . . .	,,	22 30	...	Slight.

Solar radiation.—The following figures give the intensity of solar radiation, as measured at Simla by Angstrom's pyrheliometer. The values are corrected to local noon, and expressed in grammecalories per square centmetre per minute.

Maximum	1·55
Minimum	1·36
Mean	1·47
Number of days of observation . . .	12

J. PATTERSON,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. *Solar Observations.*—Observations were taken from 6th to 10th, 17th to 25th, except 18th and 23rd, and from 28th to 31st, groups of sunspots being seen on each day of observation. They were numerous from the 19th to 21st and faculæ were visible on each day.

Day.	Time.	Disturbance.
1	2 h. to 2½ h.	Increase in H. F. (22).
1 to 2	23 h. . . to 1 h. . .	Wave in H. F. (+70); in Dec. (+28).
2	19½ h. to 23 h.	Wave in H. F. (—24); small fluctuations in H. F. from 2nd 2 h. to 3rd 6 h.
3 to 4	22½ h. . . to 0 h. . .	Wave in H. F. (+21); in Dec. (+10).
4	22 h. to 23½ h.	Wave in H. F. (+42); in Dec. (+30).
6 to 7	23½ h. . . to ½ h. . .	Wave in H. F. (+17); in Dec. (+10).

Day.	Time.	Disturbance.
8	14½ h. to 23 h.	Three successive waves in H. F. (−30), (−32) and (−21).
8	21½ h. to 23 h.	Wave in Dec. (+25).
9	1½ h. to 4 h.	Wave in H. F. (+20).
9	13 h. to 17 h.	Wave in H. F. (−35).
16	12½ h. to 15 h.	Wave in H. F. (−21).
17 to 18	23 h. to 0 h.	Wave in H. F. (+15).
18 to 19	14 h. to 9 h.	Loss of H. F. and Dec. Registers.
20 to 21	22 h. to 2 h.	Wave in H. F. (+31).
22	22 h. to 23 h.	Wave in H. F. (+11).
24	10¾ h. to 11½ h.	Decrease in H. F. (12).
26 to 27	12 h. to 12 h.	See Diagram.
27 to 28	18 h. to 18 h.	See Diagram.
29	½ h. to 3 h.	Wave in H. F. (+42); in Dec. (−20). Small fluctuations in H. F. from 29th 17 h. to 21 h.
31	½ h. to ¾ h.	Sharp increase in H. F. (22).

T. F. CLAXTON,
Director.

Weather in the Indian monsoon region.

8. Pressure was in large defect at Mauritius and normal at Zanzibar and the Seychelles. The direction of the wind at Zanzibar was north-north-east instead of south-east, but at the other stations the direction was normal and at Mauritius the strength of the wind was considerably above normal. Rainfall was in large excess at Mauritius and in defect at Zanzibar and Seychelles.

	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	−·088	−·007	+·006
Actual mean wind direction	S 75° E	N 23° E	N 27° W
Normal mean wind direction	S 78° E	S 44° E	N 17° W
Actual mean wind velocity (miles per diem).	330	112	132
Normal mean wind velocity (miles per diem).	250	130	118
Rainfall departure from normal	+4·52	−1·40	−3·34

Depressions and cyclonic storms.

9. Four depressions of the cold weather type affected northern India during the month, but from a rain-producing point of view they were unimportant.

The first depression of the month appeared over Persia on the 1st and on the 2nd pressure was lowest at Jask, but by the morning of the 3rd the low pressure conditions were shifted to north-west India, while a very shallow secondary depression had formed in the central Punjab; the latter had disappeared by the following morning after giving light precipitation in the extreme north of India, while the primary moved into north-east India, where it became merged in an area of low pressure on the 5th, but it did not give any rain of importance.

A falling barometer and cloudy skies to the west of India on the 8th were the first indications that a fresh disturbance was appearing or forming in the Persian region and by the 11th these disturbed conditions had moved westward into the extreme north of India. They soon disappeared however and gave only light shower in Kashmir, but an area of low pressure, probably part of this same disturbance moved through the United Provinces and north-east India into north Burma, where it disappeared on the 14th. It gave light rain at a few stations in Assam.

The third depression began to develop over the Persian area on the 15th and by the 20th it was causing light rain in Baluchistan. On the following morning it was raining in east Baluchistan and a feeble secondary was shown over the central Punjab. On the 22nd the secondary was still in the same position but somewhat deeper, while the primary had moved to the east of the United Provinces. Under the influence of the disturbance precipitation occurred in Kashmir and Baluchistan, and thunderstorms in north-east India and the Central Provinces. The secondary moved slowly into the Punjab hills and disappeared on the 24th after causing further precipitation in the Punjab hills and Kashmir. The primary by this time was shown as a diffused low pressure area in north-east India, but it was the cause of widespread though light rain in Assam on the 24th and 25th, on which latter date it disappeared.

Rain was reported daily from the Persian stations from the 24th to the 27th, and on the 29th a depression was entering India from the west. By the morning of the 30th there had been precipitation in Kashmir and Baluchistan, and a marked rise in temperature in north-west India and the United Provinces, but further progress of the depression was arrested by the approach of another low pressure area on the 31st.

Pressure.

10. Pressure which was in defect over the whole country in February was in excess by an almost equal amount in March and the general distribution of the departures from normal was almost identical in both cases; pressure was in greatest excess in the north-west and the excess decreased slowly eastward until in Burma pressure was practically normal. The actual pressure distribution was also closely analogous to that existing in February and the cold weather conditions were thus unduly prolonged. The gradual change in the pressure conditions which distinguish the cold weather from the hot season usually begin in March, but this year it had not definitely set in.

At the level of the hill stations in Burma, north-east India, the Central Provinces and south India the departures of pressure from normal agreed very closely with those at the plains stations, but in Upper India the departures from normal the hill stations were much less than on the plains, and at at Leh pressure was in defect. The vertical gradients were thus much steeper than usual, but this feature was confined to the north and did not extend westward into Baluchistan as far as can be judged from the hill stations of Quetta and Chaman, where pressure was in almost as large excess as in upper Sind. The gradients were thus favourable for winter rains in the extreme north of India, but not in other parts, and it is noteworthy that most of the winter storms in March gave precipitation in this area and in north-east India.

The usual tables giving the departure from normal of pressure for the 14 meteorological divisions and the character of the vertical pressure gradients at eight pairs of associated hill and plains stations.

Division.	Departure from normal of mean 8 hrs. pressure.
	"
Burma	+·012
Eastern Bengal and Assam	+·026
Bengal	+·032
United Provinces	+·039
Punjab	+·044
North-West Frontier Province	+·045
Sind	+·055
Rajputana	+·036
Bombay	+·027
Central India	+·036
Central Provinces	+·033
Hyderabad	+·034
Mysore	+·016
Madras	+·023

Hill Station.	Departure from normal pressure A.	Plain Station.	Departure from normal pressure B.	Departure of pressure difference B—A.
	"		"	"
Quetta	+·039	Jacobabad	+·054	+·015
Leh	—·016	Lahore	+·032	+·048
Murree	+·029	Peshawar	+·035	+·006
Simla	+·032	Ludhiana	+·046	+·014
Chakrata	+·028	Roorkee	+·052	+·024
Darjeeling	+·034	Dhubri	+·019	—·015
Mount Abu	+·019	Deesa	+·030	+·011
Pachmarhi	+·020	Khandwa	+·026	+·006

Temperature.

11. Maximum temperature was in defect in the interior of Sind, south Rajputana, north Gujarat, the west of Central India and the Central Provinces, and was in slight excess in the south-east of Eastern Bengal and Assam and the adjacent districts of Burma, but in the rest of the country the maximum was normal. The minimum was in defect over the whole country, except in Burma, and the deficiency was greatest in the Central Provinces where it amounted to over 4° at several stations. During the first half of the month temperature was persistently low in the north-west and one or two cold waves passed across the country, but they were only of slight intensity. On the 17th a warm wave began to enter India from the west and by the 23rd it had spread over the whole of northern India, but in the Central Provinces there was a well-defined area of low temperature which intensified until the 26th, when mean temperature was 22° below normal at Khandwa; this centre of low temperature disappeared in a few days. At the end of the month a very pronounced hot wave was extending over northern India and on the 31st had reached north-east India; at Ahmedabad the maximum was 111° on the 30th, being the highest recorded in March since the

observatory was founded in 1893, and at Deesa it was 109°, the highest since 1892 :—

Division.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Burma	+0·2	+1·0	+0·6
Eastern Bengal and Assam	+2·0	—1·3	+0·4
Bengal	+0·4	—0·9	—0·3
United Provinces	—0·2	—1·5	—0·9
Punjab	+0·3	—1·8	—0·8
North-West Frontier Province	—1·4	—1·0	—1·2
Sind	—1·6	—2·4	—2·0
Rajputana	—1·5	—2·7	—2·1
Bombay	—1·5	—2·6	—2·1
Central India	—2·5	—2·3	—2·5
Central Provinces	—2·8	—3·1	—3·0
Hyderabad	—1·2	—1·3	—1·3
Mysore	—0·5	—1·1	—0·8
Madras	—1·0	—1·1	—1·1

Sub-division.	Actual temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	88·4	76·2	82·3	12·2	19·1	—1·8	—0·8	—1·0
2. Lower Burma	92·7	72·5	82·6	20·2	30·8	—0·1	+1·4	—1·5
3. Upper do.	95·5	65·0	80·3	30·5	46·6	+0·7	+0·6	+0·1
4. Assam	85·5	60·5	73·0	25·1	42·5	+2·4	—1·5	+3·9
5. Eastern Bengal	90·0	63·0	76·5	26·9	45·8	+1·8	—1·2	+3·0
6. Bengal	94·1	67·4	80·8	26·7	46·2	+2·2	—0·7	+2·9
7. Orissa	92·4	70·3	81·4	22·1	37·5	—0·4	—0·7	+0·3
8. Chota Nagpur	91·8	63·4	77·6	28·3	45·5	+0·2	—0·3	+0·5
9. Bihar	90·3	61·3	75·9	29·0	51·8	—0·6	—1·7	+1·1
10. United Provinces, East	90·8	59·8	75·3	31·0	55·4	—0·5	—1·2	+0·7
11. Do., West	87·6	57·6	72·6	30·0	56·3	0	—1·8	+1·8
12. Punjab, East and North	84·3	54·5	69·4	29·8	59·0	+0·3	—1·8	+2·1
13. Do., South-west	84·5	55·3	69·9	29·3	60·4	+0·3	—1·8	+2·1
14. Kashmir	49·4	26·7	38·1	22·7	53·5	+3·1	0	+3·1
15. North-West Frontier Province	78·5	52·8	65·6	25·7	52·8	—1·4	—1·0	—0·4
16. Baluchistan	65·3	42·5	53·9	22·8	65·4	—3·7	—2·4	—1·3
17. Sind	88·5	60·9	74·7	27·6	61·9	—1·6	—2·4	+0·8
18. Rajputana, West	89·6	59·3	74·5	30·3	66·2	—2·7	—3·1	+0·4
19. Do., East	88·9	59·7	74·3	29·2	60·8	—0·8	—2·4	+1·6
20. Gujarat	90·6	63·0	76·8	27·6	54·9	—1·9	—2·8	+0·9
21. Central India, West	88·8	57·8	73·3	31·1	57·4	—3·2	—3·2	0

Sub-division.	Actual temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
22. Central India, East	90·0	59·6	74·8	30·4	54·7	—1·9	—1·4	—0·5
23. Berar	94·3	65·9	80·1	28·4	5:·8	—2·7	—2·5	—0·2
24. Central Provinces, West	92·0	61·1	76·5	31·0	53·6	—2·9	—3·3	+0·4
25. Do., East	93·4	63·6	78·5	29·8	49·8	—2·3	—3·4	+1·1
26. Konkan	85·6	71·8	78·7	13·8	27·3	—1·0	—2·4	+1·4
27. Bombay Deccan	95·6	63·6	79·6	32·0	49·7	—1·3	—2·6	+1·3
28. Hyderabad, North	96·0	68·0	82·0	28·0	45·4	...	...	...
29. Do., South	97·1	70·2	83·7	26·9	39·5	—1·2	—1·3	+0·1
30. Mysore	91·9	65·1	78·6	26·9	37·8	—0·5	—1·1	+0·6
31. Malabar	88·9	75·6	82·3	13·4	20·5	—0·6	—0·4	—0·2
32. Madras, South-east	92·7	72·2	82·4	20·5	33·1	—1·4	—0·7	—0·7
33. Do., Deccan	100·0	70·5	85·3	29·5	41·1	—1·0	—2·3	+1·3
34. Do. Coast, North	89·6	71·6	80·6	18·0	29·2	—0·3	—1·9	+1·6

Winds.

12. The air movement was considerably below normal in Eastern Bengal and Assam, the United Provinces, the North-West Frontier Province and Central India, and was in excess of the normal only in the Central Provinces. Winds were steadier than usual in Sind, Rajputana, Central India, the Central Provinces and Hyderabad, and were more variable than usual in Eastern Bengal and Assam.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	—0·1	— 1
Eastern Bengal and Assam	—1·2	— 6
Bengal	—0·2	+ 4
United Provinces	—0·6	— 2
Punjab	—0·1	+ 2
North-West Frontier Province	—0·5	— 2
Sind	—0·8	+11
Rajputana	—0·2	+14
Bombay	—1·0	+ 3
Central India	—1·1	+ 7
Central Provinces	+0·7	+ 5
Hyderabad	—0·9	+19
Mysore	+0·5	— 5
Madras	+0·1	+ 6

Humidity and cloud.

13. The air contained much less than the normal quantity of moisture in the Punjab, the North-West Frontier Province, Rajputana, the Central Provinces and Hyderabad, and in the rest of the country humidity was also in defect, but the deficiencies were generally small in amount.

The proportion of the sky covered with cloud was

greater than usual in Central India, the Central Provinces, Hyderabad, Mysore and Madras and was less than usual in other parts of India.

Division.	Hygrometry, 8 hrs.				Cloud.	
	Mean humidity.	Departure from normal.	Mean vapour tension in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.
	%		"	"		
Burma	73	+ 1	·633	+·004	2·0	—0·2
Eastern Bengal and Assam.	72	— 7	·536	—·052	2·5	—1·1
Bengal	57	— 6	·472	—·043	1·9	—0·4
United Provinces	47	— 6	·328	—·044	1·4	—0·6
Punjab	46	—15	·275	—·083	2·1	—0·7
North-West Frontier Province.	53	—16	·300	—·061	3·9	—0·1
Sind	53	— 1	·403	—·016	2·2	—0·3
Rajputana	34	—10	·247	—·065	1·8	—0·5
Bombay	52	— 6	·442	—·054	1·2	—0·3
Central India	39	— 3	·291	—·029	2·5	+1·0
Central Provinces	32	— 8	·262	—·082	2·0	+0·3
Hyderabad	44	— 9	·426	—·104	1·6	+0·6
Mysore	61	— 2	·500	—·040	2·9	+1·3
Madras	73	— 1	·719	—·034	3·2	+0·9

Rainfall.

14. Several cold weather depressions affected northern India during the month, but the precipitation accompanying them was generally confined to the extreme north of India and to north-east, India and even in these areas it was very light. On the 22nd weather became disturbed in the central parts of the country, probably due in part to the passage eastward of the third depression of the month and during the next four days rain fell in the central districts of the Central Provinces with occasional falls in the rest of the provinces and in Central India, while on the 26th it extended over the greater part of the Bombay Deccan. As the rainfall in March is very light in these areas, the rain that fell during this period was sufficient to give a larger excess. On the 25th thundershowers began in south India and continued until the 29th, being most numerous on the 27th; almost all the rain that fell there during the month occurred at this time and it was in excess in the Madras Deccan and southeast Madras and normal in Mysore and Malabar. Over the rest of the country weather was very dry and rainfall in very large defect, the most important deficiencies being in northeast India, the Punjab and Kashmir.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	Inch.	Inches.	Inches.	
Burma	0·09	0·25	—0·16	—64
Eastern Bengal and Assam	0·78	3·13	—2·35	—75
Bengal	0·25	0·77	—0·52	—68
United Provinces	0·14	0·39	—0·25	—64
Punjab	0·02	0·68	—0·66	—97
North-West Frontier Province	0·33	1·76	—1·43	—81
Sind	0·01	0·16	—0·15	—94
Rajputana	0·04	0·15	—0·11	—73
Bombay	0·08	0·11	—0·03	—27
Central India	0·24	0·17	+0·07	+41
Central Provinces	0·69	0·41	+0·28	+68
Hyderabad	0·24	0·42	—0·18	—43
Mysore	0·34	0·32	+0·02	+ 6
Madras	0·54	0·41	+0·13	+32
Mean of India when the size of the above areas is taken into account.	0·27	0·58	—0·31	—53

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
1. Bay Islands	0	0·5	0	0·17	−0·17	−100
2. Lower Burma	0·2	0·4	0·14	0·26	−0·12	−46
3. Upper do.	0·2	0·7	0·06	0·24	−0·18	−75
4. Assam	3·6	7·0	1·06	4·51	−3·45	−76
5. Eastern Bengal	1·4	2·5	0·48	1·75	−1·27	−73
6. Bengal	0·4	1·7	0·16	1·01	−0·85	−84
7. Orissa	1·1	1·8	0·63	1·09	−0·46	−42
8. Chota Nagpur	0·3	1·5	0·17	0·71	−0·54	−76
9. Bihar	0·7	0·8	0·23	0·36	−0·13	−36
10. United Provinces, East	0·6	0·7	0·22	0·31	−0·09	−29
11. Do., West	0·1	1·1	0·05	0·48	−0·43	−90
12. Punjab, East and North	0·1	1·5	0·02	0·73	−0·71	−97
13. Do., South-west	0·1	1·3	0·02	0·50	−0·48	−96
14. Kashmir	2·4	5·0	0·61	2·66	−2·05	−77
15. North-West Frontier Province	1·3	3·4	0·33	1·76	−1·43	−81
16. Baluchistan	3·0	3·1	1·04	1·14	−0·10	−9
17. Sind	0·1	0·4	0·01	0·16	−0·15	−94
18. Rajputana, West	0	0·2	0	0·07	−0·07	−100
19. Do., East	0·1	0·5	·06	0·19	−0·13	−68
20. Gujarat	0	0·1	0	0·02	−0·02	−100
21. Central India, West	0·8	0·2	0·28	0·10	+0·18	+180
22. Do., East	0·4	0·7	0·15	0·30	−0·15	−50
23. Berar	2·6	0·7	0·94	0·32	+0·62	+194
24. Central Provinces, West	2·1	0·8	0·77	0·36	+0·41	+114
25. Do., East	0·3	1·3	0·09	0·64	−0·55	−86
26. Konkan	0	0·1	0·01	0·06	−0·05	−83
27. Bombay Deccan	0·5	0·4	0·16	0·19	−0·03	−16
28. Hyderabad, North	0·9	0·8	0·35	0·34	+0·01	+3
29. Do., South	0·5	0·8	0·14	0·49	−0·35	−71
30. Mysore	0·6	0·6	0·34	0·32	+0·02	+6
31. Malabar	0·9	1·0	0·57	0·57	0	0
32. Madras, South-east	1·2	0·6	0·86	0·44	+0·42	+95
33. Madras Deccan	0·5	0·2	0·36	0·16	+0·20	+125
34. Madras Coast, North	0·3	0·8	0·11	0·42	−0·31	−74

Snowfall.

I.—AFGHANISTAN.

15. *Kabul.*—Snow fell in Kabul on three days and rain on five days; the total precipitation during the month was equivalent to 2·03 inches of rain. The plain of Kabul and the low hills around were free from snow at the end of the month.

II.—NORTH-WEST FRONTIER PROVINCE.

(*a*) *Wano.*—Snowstorms occurred on the surrounding hills on the 2nd, 10th and 21st. The fall on the 2nd descended to the level of the Wano plain (4,500 height), where it measured about 2 inches in depth. The total fall amounted to about 9 inches at the level of about 11,000 feet. By the end of the month snow had disappeared from all the hills.

(*b*) *Tochi.*—A feeble snowstorm occurred on the 2nd on the hill ranges in north Waziristan down to 6,000 feet.

(*c*) *Dera Ismail Khan.*—Light snow fell on the Takht Suleiman on the 3rd.

(*d*) *Kurram.*—There were in all thirteen falls of snow on the hills surrounding the valley, and on the Sufed Koh. The snowline came down as low as Parachinar on the 1st, 3rd, 4th and 5th. At the end of the month all the passes were open.

(*e*) *Kohat.*—Slight snow fell on the Samana range on one occasion.

(*f*) *Chitral.*—Snowstorms occurred on the 3rd and 7th, on the former date down to the level of the station.

(*g*) *Hazara.*—The statement below gives the total fall of the first half of the month, for which period alone information is forthcoming.

Name of Range.	Snowfall during the first half of the month.	
	Feet.	Inches.
Narang	6	4
Pludran	4	½
Kagan	6	4

III.—KASHMIR.

In Leh the weather was drier and warmer than usual, and at the end of the month the snowline was at an elevation of about 13,000 feet.

IV.—PUNJAB.

(*a*) *Murree.*—No snow fell at Murree, but on the hills near Kahuta there was a slight fall on the 3rd.

(*b*) *Kulu.*—Snowstorms occurred on the 3rd, 4th, 6th, 24th and 25th in the Kulu tahsil, and on the 4th, 13th, 24th and 25th in the Saraj tahsil. The snowline descended to 6,300 feet.

KULU TAHSIL.			SARAJ TAHSIL.		
Pass.	Depth of accumulation.		Pass.	Depth of accumulation.	
	Reported.	Normal.		Reported.	Normal.
Rohtang	10 feet.	16½ feet.	Sirikhand	6 feet.	17½ feet.
Hamta	14 „	14½ „	Chul	1 foot.	7 „
Barsai	6 „	6½ „	Maghin	2 feet.	7 „
Chandar Khani	7 „	10 „	Dundku	1 foot.	7½ „
Boja Dhar	4½ „	7 „	Tikkar	1 „	6 „
Lohri Achhri	5 „	8½ „	Nuhnon	1 „	3 „
Bhubu	4 „	6 „	Jalori	1 „	6 „
Majhanj	½ foot.	2 „	Raghopur	2 feet.	6½ „
Bastari	2 feet.	5 „	Lambri	2 „	5 „
Sari	8 „	10 „	Sakiran	2 „	6½ „
			Gargarasan	1 foot.	10 „
			Suakun	1 „	7 „
			Bashleo	2 feet.	7 „
			Placha	1 foot.	9 „
			Tirath	1 „	10½ „
			Ramgarh	1 „	3 „

It may be mentioned that the Assistant Commissioner regards the values in the above table as unreliable.

(*c*) *Kailang.*—A total of 3 inches fell on three days.

(*d*) *Kilba.*—Snow fell on three days, the lowest level reached being 5,700 feet, where the total fall of the month amounted to 7 inches.

Name of Pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Rupin Pass	4½ feet.	15½ feet.
Brua Pass	4½ „	16 „
Harang Pass	3 „	6½ „
Shatul Pass	2 „	14 „
Buldar Pass	4½ „	18 „
Runang	4 „	10 „

At the end of the month all the passes were closed to travellers.

V.—UNITED PROVINCES.

Almora.—There were a few falls: the total quantity received during the month measured about 5 feet in depth in Malla Darma and Byans, 3½ feet in Chandas, 2½ feet in Malla Johar and about ½ a foot in Malla Danpur.

NAME OF PASS OR PEAK.	DEPTH OF ACCUMULATION AT THE END OF THE MONTH.	
	Reported.	Normal.
Unta Dhura	12 feet.	16½ feet.
Ralam Dhura	6 „	13 „
Pindari Peak	9 „	4½ „
Kaphni Peak	9 „	4½ „
Kuntela Peak	9 „	4½ „
Nuwe Pass	24 feet.	32 feet.
Binkaru Pass	14 „	27½ „
Lipu Lekh Pass	18 „	22½ „
Lampia Pass	16 „	22½ „

The snowline was much higher than usual.

SUMMARY.

16. Weather was on the whole less disturbed and the snowfall lighter than usual in the mountainous region bordering Upper India. The accumulations of snow at the end of the month were generally not so deep as usual, while the snowline was unusually high in several districts.

Crop report.

17. *Burma.*—Transplanting of spring rice was in progress in upper Burma when the standing crops were generally in fair condition. Miscellaneous spring crops were being harvested.

Eastern Bengal and Assam.—Harvesting of spring crops and preparation of land and sowings for summer crops were in progress. The prospects of the standing crops were fair to good.

Bengal.—The prospects of the spring crops in lower Bengal were very bad, but in Bihar fair. Land was being prepared for summer crops, but work was retarded for want of rain. Fodder and water were becoming scarce.

United Provinces.—More rain was needed for crops on dry areas, especially in the hills, but irrigated and early sown crops were generally in good condition. Hot west winds had done some damage and the spring prospects in two of the west districts were poor.

Punjab.—The condition of irrigated crops was good to below average, but unirrigated crops were withering for want of rain. Some damage had been caused by rats and strong winds. Fodder was scarce in parts of the province.

North-West Frontier Province.—The standing irrigated crops were in good condition, but those in unirrigated lands were suffering from drought, and rain was much needed, especially for the late sowings.

Jammu and Kashmir.—Fodder was insufficient in parts and rain was badly wanted. Unirrigated crops were in poor condition.

Rajputana.—The spring crops were being harvested with an estimated fair outturn. The condition of cattle was good.

Central India.—Some damage to crops was reported from some parts for want of moisture and from others by untimely rain and hail. Agricultural stock was generally in fair to good condition.

Central Provinces.—Harvesting of spring crops was well advanced and threshing and winnowing were in progress. Stormy weather had done some damage to the mohua and mango crops.

Bombay.—The standing crops were generally in good condition and harvesting and threshing were in progress. Cotton was being picked and lands prepared for next season.

Hyderabad.—The late rice crop promised well and dry lands were under preparation for monsoon sowings.

Coorg.—Harvest prospects were good and water and fodder were sufficient.

Madras.—The standing crops were in fair condition, but in parts were withering. Harvesting was carried on with poor to normal outturn. Pasture was insufficient in parts of most districts, but the condition of cattle was generally good.

J. PATTERSON.

TABLE A.—Abstract of observations taken at 10 hrs. and 16 hrs., at 35 stations in India, etc., in March, 1908.

Tab

Abstract of observations taken at 10 hrs. and 16 hrs., at

Number of sub-division	Station	Elevation of barometer cistern above sea-level, in feet.	Pressure. Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity, 45° Lat.	Temperature of Air. Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Temperature, Wet-b Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
	I.—Burma.																					
2	Rangoon	36	29·941	29·794	·147	29·867	+·005	29·839	95·9	72·2	23·7	101·0	66·8	34·2	84·1	93·2	81·4	+ 0·2	69·6	73·5	74·7	7
	III.—Bengal.																					
6	Calcutta	21	·950	·811	·139	·875	+·019	·841	94·6	69·1	25·5	104·9	60·1	44·8	84·9	93·4	81·0	+ 1·7	65·2	70·5	71·1	6
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad	309	·656	·530	·126	·584	+·036	·847	92·7	60·9	31·8	108·3	50·4	57·9	81·4	91·1	76·0	— 0·8	51·8	59·6	62·1	5
11	Dehra Dun	2,233	27·712	27·618	·094	27·657	+·029	·860	82·4	54·0	28·4	97·9	42·0	55·9	72·6	79·2	67·8	+ 0·8	46·6†	55·4	56·5	5
	V.—Punjab.																					
12	Lahore	702	29·256	29·162	·094	29·203	+·036	·884	85·5	53·7	31·8	100·4	39·6	60·8	73·9	83·4	68·9	— 0·1	48·6	58·9	61·3	5
	VIII.—Rajputana.																					
19	Jaipur	1,431	28·557	28·445	·112	28·493	+·040	·881	89·6	59·4	30·2	106·4	44·7	61·7	80·4	88·0	74·1	— 0·8	48·3	57·7	60·2	55
	Udaipur	1,925	·0c9	27·950	·119	·00‡		·870	88·9	58·1†	30·8	103·5	43·4	60·1	80·2	87·5	73·9†		49·9	61·4	65·5	58
	IX.—Bombay.																					
26	Bombay	37	29·955	29·634	·121	29·891	+·014	·868	85·0	71·3	13·7	89·1	63·5	25·6	78·7	80·5	76·6	— 1·4	66·5	69·6	71·5	68
	XI.—Central Provinces.																					
24	Nagpur	1,017	28·960	28·806	·154	28·878	+·044	·846	95·8	65·5	30·3	106·9	55·1	51·8	83·3	93·8	80·0	— 2·4	54·0	62·1	66·0	60
	XII.—Hyderabad.																					
29	Hyderabad	1,699	·285	·151	·134	·214	+·019	·821	96·7	68·7	28·0	102·6	61·5	41·1	85·9	94·3	82·0	— 1·1	59·4	64·9	66·4	63
	XIII.—Mysore.																					
30	Bangalore	3,021	27·012	26·874	·138	26·943	+·011	·812	90·8	62·9	27·9	95·1	52·3	42·8	81·0	88·2	75·9	— 0·8	56·9	64·0	63·5	61
	Mysore	2,518	·493	27·344	·149	27·419	+·012	·815	93·0	66·7	26·3	96·3	60·4	35·9	81·6	91·4	78·9	— 0·5	61·3	66·9	66·3	64
	XIV.—Madras.																					
32	Periyakulam	944	29·053	28·895	·158	28·974		·847	92·5	68·8	24·1	97·1	57·9	39·2	83·2	90·8	80·9		64·4	70·2	70·4	68
	Pudukkottai	318	·685	29·526	·159	29·606		·853	94·6	73·2	21·4	97·8	67·5	30·3	85·0	92·0	83·9		64·6‡	77·0†	76·8§	72
	Madras	22	·985	·868	·117	·927	+·022	·879	90·1	71·2	18·9	97·5	62·5	35·0	85·2	86·1	79·0	— 0·5	70·4	75·9	75·2	73
	Station in the Bay.																					
1	Port Blair	61	·919	·814	·105	·866	+·002	·857	89·3	75·7	13·6	92·2	70·0	22·2	84·5	87·7	81·0	— 1·3	72·6	76·9	77·6	75
	Kashmir.																					
14	Srinagar	*5,204	24·969	24·879	·090	24·919	+·015	24·890	61·4	36·5	24·9	75·1	27·1	48·0	47·6	58·9	47·8	+ 2·7	34·2	44·3	54·3	44
	Leh	11,503	19·684	19·594	·090	19·637	—·021	19·605	47·7	21·6	26·1	67·1	11·4	55·7	37·2	44·0	33·5	+ 2·6	18·6	28·4	34·3	27
	Baluchistan.																					
16	Quetta	5,502	24·798	24·637	·071	24·666	+·039	24·626	61·8	36·0	25·8	81·5	18·6	62·9	53·3	58·2	49·3	— 3·3	33·4†	42·6	44·9	40

N.B.—Elevations in italics indicate barometric determinations.

† Mean of 30 days.
‡ „ „ 12 „
§ Mean of 29 days.

NOTE.—The barometric readings are not reduced to sea-level in the cas

A.

Stations in India, etc., in March, 1908.

Vapour Tension in inches of Mercury.					Humidity.					Cloud.				Wind Direction.									Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of sub-division.
														Total number of 10 hrs. and 16 hrs. winds from																
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%					I.—Burma.	
·697	·691	·616	·688	—·001	88	59	40	67	— 1	1·1	1·9	1·5	—0·5	5	4	6	4	6	31	4	1	1	S 15° E	S 21° W	48	55	38*	108	0	0	Rangoon	2
																															III.—Bengal.	
·590	·568	·476	·579	—·064	80	47	30	58	— 9	1·8	2·4	2·1	—0·1	3	2	4	2	3	5	28	6	9	S 58° W	S 60° W	48	44	116	118	0	0	Calcutta	6
																															IV.—United Provinces of Agra and Oudh.	
·276	·229	·181	·240	—·118	50	21	12	31	—11	2·3	2·6	2·5	+0·3	3	4	2	4	1	2	7	18	21	N 68° W	N 63 W	55	41	90*	122	0	0	Allahabad	10
·238†	·232	·182	·220	—·071	57†	29	18	36	—11	2·3	2·7	2·5	—1·1	4	3	7	6	13	15	5	7	2	S 24° E	N 81° W	32	28	44	50	0·10	0·10	Dehra Dun	11
																															V.—Punjab.	
·291	·312	·260	·299	—·061	68	36	22	44	—10	2·4	3·2	2·8	—0·7	6	3	5	3	3	6	2	13	21	N 60° W	N 12° W	39	31	66*	70	0·02	0·02	Lahore	12
																															VIII.—Rajputana	
·212	·209	·190	·208	—·097	40	19	13	37	— 2	2·1	2·5	2·3	—0·8		5	3	6	4	4	11	10	19	N 74° W	N 46° W	34	39	96	108	0	0	Jaipur	19
·272†	·325	·368	·313		53†	30	28	36		1·3	1·8	1·5		7	4	7	11	9	3	6	12	3	S 60° E		6		87*		0·02	0·02	Udaipur	
																															IX.—Bombay.	
·595	·620	·663	·653	—·084	77	62	63	71	— 4	1·0	1·0	1·0	—0·3		4	4	6		1	2	11	34	N 44° W	N 36° W	64	46	242	262	0·06	0·09	Bombay	26
																															XI.—Central Provinces.	
·283	·304	·321	·299	—·047	44	27	21	32	— 2	1·9	2·7	2·3	—0·1	7	13	8	7	5	7	5	5	5	N 68° E	N 6° E	14	12	103*	118	0·73	0·39	Nagpur	24
																															XII.—Hyderabad.	
·400	·362	·298	·354	—·106	56	29	18	35	— 9	2·0	3·1	2·6	+1·0	40		9	4	6		2	1		N 87° E	S 48° E	19	23	P	101	0	0	Hyderabad.	29
																															XIII.—Mysore.	
·402	·409	·305	·381	—·066	69	39	23	46	— 4	1·9	2·9	2·4		1		9	29	12	5	5	1		S 75° E	S 36° E	66	46	179*	118	0·06	0·03	Bangalore	30
·484	·484	·340	·445	+·008	73	45	23	49	+ 2	3·7	5·0	4·4	+1·8		3	12	17	15	6	5	3	1	S 74° E	N 88° E	48	37	165*	192	0·20	0·20	Mysore	
																															XIV.—Madras.	
·551	·594	·474	·539		78	52	34	54		2·5	4·2	3·4		14	2	2	8	24	3	1	4	4	S 53° E		39		50*		5·19	2·38	Periyakulam	32
·532‡	·576†	·597§	·602		71‡	57†	42§	57		4·5‖	3·0‖	3·8		2	3	7	7	23	6	11	1		S 42° E		47		166*		0·87	0·31	Pudukkottai¶	
·739	·771	·733	·772	—·030	93	63	60	77	— 1	3·4	2·6	3·0	+0·8				15	33	13	1			S 45° E	S 44° E	85	81	92	149	0	0	Madras	
																															Station in the Bay.	
·760	·826	·816	·828	—·064	85	69	62	76	— 3	3·8	3·6	3·7	+0·6	7	7	25	12	8	1			2	N 60° E	N 63° E	63	66	128*	101	0	0	Port Blair	1
																															Kashmir.	
·179	·265	·387	·264	+·009	80	77	74	77**	— 4	4·5	5·8	5·2	—0·5	8	9	3		7	6	4	2	23	N 46° W	N 24° W	32	16	134*	115	1·12	0·26	Srinagar	14
·082	·089	·138	·106	+·004	68	40	41	52	— 6	5·2	7·1	6·2	—0·3		5	8		2	8	8	30	1	S 83° W	S 45° W	48	23	94	48	0·05	0·03	Leh	
																															Baluchistan.	
·184†	·182	·176	·179	—·029	82†	45	38	56	0	3·4	4·8	4·1	0	4	9	3		7	4	4	10	21	N 55° W	S 76° W	40	30	190*	96	1·22	0·58	Quetta	16

* Corrected. ** Mean of three previous columns. ¶ Wind observations less 2.

‖ Mean of 21 days.

† hill or plateau stations, the elevations of which exceed 3,500 feet.

Table B.—Abstract of observations taken at 8 hrs. at 237 stations in India, etc., in March 1908.

(1) Provincial means.

(2) Data of stations.

(1) **Provincial means** based on the material in Table B (2) except that the statement of rainfall depends on the complete data of about 2,700 stations.

	Pressure departure from normal.	Temperature of air.								Wind.		Hygrometry.				Cloud.		Rainfall.		
		Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean and maximum between minimum.	Departure from normal.	Mean daily range of temperature.	Absolute range during month.	Departure of velocity from normal.	Departure of steadiness from normal.	Mean humidity.	Departure from normal.	Mean vapour tension.	Departure from normal.	Mean cloud amount.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.
Burma	+·012	94·1	+0·2	68·7	+1·0	81·4	+0·6	25·4	38·7	—0·1	— 1	73	+ 1	·633	+·004	2·0	—0·2	0·09	0·25	—0·16
Eastern Bengal and Assam	+·026	88·7	+2·0	62·3	—1·3	75·5	+0·4	26·4	44·9	—1·2	— 6	72	— 7	·536	—·052	2·5	—1·1	0·78	3·13	—2·35
Bengal	+·032	92·0	+0·4	65·0	—0·9	78·5	—0·3	27·0	46·8	—0·2	+ 4	57	— 6	·472	—·043	1·9	—0·4	0·25	0·77	—0·52
United Provinces of Agra and Oudh.	+·039	89·1	—0·2	58·6	—1·5	73·9	—0·9	30·4	55·8	—0·6	— 2	47	— 6	·328	—·044	1·4	—0·6	0·14	0·39	—0·25
Punjab	+·044	84·3	+0·3	54·7	—1·8	69·6	—0·8	29·6	59·4	—0·1	+ 2	46	—15	·275	—·083	2·1	—0·7	0·02	0·68	—0·66
North-West Frontier Province	+·045	78·5	—1·4	52·8	—1·0	65·6	—1·2	25·7	52·8	—0·5	— 2	53	—16	·300	—·061	3·9	—0·1	0·33	1·76	—1·43
Sind	+·055	88·5	—1·6	60·9	—2·4	74·7	—2·0	27·6	61·9	—0·8	+11	53	— 1	·403	—·016	2·2	—0·3	0·01	0·16	—0·15
Rajputana	+·036	89·2	—1·5	59·6	—2·7	74·4	—2·1	29·6	62·8	—0·2	+14	34	—10	·247	—·065	1·8	—0·5	0·04	0·15	—0·11
Bombay	+·027	90·9	—1·5	65·4	—2·6	78·1	—2·1	25·5	46·3	—1·0	+ 3	52	— 6	·442	—·064	1·2	—0·3	0·08	0·11	—0·03
Central India	+·036	89·4	—2·5	58·7	—2·3	74·1	—2·5	30·7	56·0	—1·1	+ 7	39	— 3	·291	—·029	2·5	+1·0	0·24	0·17	+0·07
Central Provinces	+·033	92·9	—2·8	62·9	—3·1	77·9	—3·0	30·0	52·2	+0·7	+ 5	32	— 8	·262	—·082	2·0	+0·3	0·69	0·41	+0·28
Hyderabad	+·034	96·6	—1·2	69·3	—1·3	83·0	—1·3	27·4	42·0	—0·9	+19	44	— 9	·426	—·104	1·6	+0·6	0·24	0·42	—0·18
Mysore	+·016	91·9	—0·5	65·1	—1·1	78·6	—0·8	26·9	37·8	+0·5	— 5	61	— 2	·500	—·040	2·9	+1·3	0·34	0·32	+0·02
Madras	+·023	92·3	—1·0	72·4	—1·1	82·4	—1·1	19·9	31·2	+0·1	+ 6	73	— 1	·719	—·034	3·2	+0·9	0·54	0·41	+0·13

Table

(2) Abstract of observations taken at 8 hrs., at 237

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma.																						
2	Mergui	56	29·94*	+·023	29·911*	30·031	21st	29·812	5th	·219	78·9	92·3	+1·1	74·4*	+2·5	83·4*	+1·8	17·9	95·9	20th	69·9	24th	26·0
	Tavoy	19	29·976	+·022	29·927	30·093	21st	29·854	6th	·239	76·1	94·2	+0·9	71·9	+1·7	83·1	+1·3	22·3	99·0	28th	66·3	6th, 7th & 23rd.	32·7
	Moulmein	94	29·884*	+·024	29·917*	30·031	21st	29·732	6th	·299	78·7	94·3	+0·2	73·8	+1·1	84·0	+0·7	20·5	101·5	13th	67·3	5th	34·2
	Rangoon	36	29·917	—·008	29·891	30·050	21st	29·779	6th	·271	75·2	96·1	—0·5	72·1	+1·0	84·1	+0·3	24·0	101·1	27th	66·9	4th, 5th & 7th.	31·2
	Bassein	27?	29·930	+·008	29·895	30·053	21st	29·797	6th	·266	75·8	94·9	+0·5	71·8	+1·3	83·4	+0·9	23·1	98·7	27th, 29th 31st.	67·9	9th	30·8
	Diamond Island	41	29·913	—·011	29·889*	30·029	21st	29·795	6th	·234	79·1	84·2	—1·4	76·4	+1·4	80·3	0	7·8	87·4	30th	73·7	9th & 10th.	13·7
	Toungoo	164	29·792	+·020	29·900	29·917	21st	29·638	7th	·279	76·9	97·9	+0·1	70·0*	+1·5	84·0*	+0·8	27·9	102·4	27th & 28th.	59·6	4th	42·8
	Kyaukpyu										Observatory not opened.												
	Akyab	20	29·940	—·005	29·903	30·045	21st	29·831	31st	·214	72·6	87·4	—1·7	69·3	+0·4	78·3	—0·7	18·1	92·9	31st	60·8	4th	32·1
3	Thayetmyo	121	29·834	+·027	29·899*	29·966	21st	29·738	7th	·228	77·2	101·1	+1·3	67·7	+1·2		+1·3	33·4	105·0	28th, 29th & 30th.	56·9	5th	48·1
	Minbu	*165*	29·774	+·020	29·886	29·894	21st	29·648	6th	·246	76·0	100·3	+1·0	70·8	+1·5	85·6	+1·2	29·5	105·7	30th & 31st.	61·1	4th	44·6
	Yamethin	657	29·252	—·004	29·871	29·380	19th	29·121	6th	·259	76·0	98·1	—1·0	69·7	+1·6	83·9	+0·3	28·4	104·3	28th	58·0	5th	46·3
	Mandalay**	250	29·671	+·010	29·873	29·806	21st	29·532	6th	·274	78·5	†100·2	+2·5	69·9	+2·0	85·1†	+2·3	30·3	104·5	29th	57·8	5th	46·7
	Monywa	*280*	29·667		29·886	29·769	22nd	29·520	6th	·249	74·3	99·2		67·8		83·5		31·4	104·8	29th	58·1	5th	46·7
	Lashio	*2,751*	27·144	+·009	27·090	27·283	21st & 22nd,	26·998	6th	·285	62·2	85·5	—0·7	54·6	—1·1	70·1	—0·9	30·9	93·3	29th	46·0	5th	47·3
	Bhamo	*381*	29·563	+·027	29·914	29·720	19th	29·385	6th	·335	65·2	89·3	+0·8	58·2	—1·9	74·0	—0·6	31·6	96·9	29th	49·1	4th & 5th	47·8
	Myitkyina	458	29·469		29·900	29·617	21st	29·306	6th	·311	68·2	89·8		61·1		75·5		28·7	98·7	30th	53·1	4th	45·6
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	353	29·600		29·927	29·738	20th	29·408	6th	·330	64·7	80·6		61·3		71·0		19·3	90·9	31st	53·6	4th	37·3
	Sibsagar	333	29·648	+·022?	29·951*?	29·812	20th	29·472	6th	·340	64·7	81·0	+1·9	59·4	—0·6	70·2	+0·7	21·6	91·6	31st	51·2	4th	40·4
	Tezpur	252	29·695		29·917*	29·847	20th	29·495	6th	·352	61·9	85·4		61·4		73·4		24·0	95·1	31st	54·9	3rd & 4th	40·2
	Gauhati	195	29·761		29·920	29·904	20th	29·562	6th	·342	65·1	88·4		57·8		73·1		30·6	96·5	31st	48·6	4th	47·9
	Dhubri	115	29·819	+·019	29·895	29·966	12th	29·619	6th	·347	67·1	86·9	+0·4	62·0	—1·4	74·5	—0·5	24·9	96·2	31st	55·8	5 days	40·4
	Silchar	104	29·871	+·014	29·931	29·982	20th	29·698	6th	·284	69·3	90·9	+4·9	60·8	—2·4	75·9	+1·3	30·1	98·5	30th & 31st.	49·8	4th	48·7
	Cox's Bazar										Observatory not opened.												
5	Chittagong	87	29·884	+·019	29·921	29·977	21st	29·754	31st	·223	73·3	89·5	+2·8	67·4	—0·2	78·4	+1·3	22·1	97·1	30th	58·4	4th	38·7
	Noakhali	43	29·919		29·910	30·029	21st	29·778	6th	·251	73·8	87·9		67·0		77·4		20·9	96·8	30th	57·4	12th	39·5
	Barisal	12	29·956	+·039	29·914	30·073	19th	29·790	6th	·283	76·2	91·1	+1·8	68·0	—1·2	79·6	+0·3	23·1	98·8	27th, 30th & 31st.	59·1	3rd	39·7
	Comilla	36	29·927		29·912	30·034	21st	29·780	6th	·254	73·0	93·0		65·8		79·4		27·2	100·2	31st	55·3	4th	45·0
	Narayanganj	26	29·931	+·030	29·906	30·071	12th	29·718	6th	·353	72·8	91·4	+1·4	66·9	—1·3	79·2	+0·1	24·5	100·5	31st	59·3	5th	41·2
	Faridpur	46	29·911		29·907	30·033	20th	29·752	6th	·281	72·1	91·0		63·1		77·1		27·9	99·8	31st	52·9	11th	46·9
	Sirajganj	49	29·899		29·899	30·029	20th	29·717	6th	·311	69·5	92·2		62·0		77·1		30·2	102·3	31st	50·3	11th	52·0
	Mymensingh	63	29·894	+·029	29·910	30·025	12th	29·704	6th	·321	70·3	89·2	+2·3	63·1	—1·3	76·2	+0·5	28·1	97·6	31st	53·1	11th	44·5
	Bogra	75	29·865	+·034	29·892	29·994	12th	29·675	6th	·319	71·2	92·1	+1·9	61·6	—2·3	76·9	—0·2	30·5	103·2	31st	53·7	11th	49·5
	Rampur Boalia	70	29·873		29·894	29·995	20th	29·701	6th	·294	72·6	92·9		63·3		78·1		29·8	103·1	31st	53·1	11 h	50·0
	Malda	72	29·854		29·880	29·970	20th	29·664	6th	·306	70·3	89·9		60·6*		75·1*		29·3	100·3	31st	51·0	11th	49·3
	Dinajpur	123	29·799	+·025	29·883	29·945	20th	29·600	6th	·345	67·6	90·3	+1·2	58·8	—2·5	74·6	—0·7	31·5	101·8	31st	50·5	4th, 17th & 18th.	51·3
	Rangpur	123	29·815		29·898	29·951	20th	29·598	6th	·353	68·5	87·9		57·3		72·7		30·6	97·6	31st	47·5	11th	50·1

** Observations of 30 days.

* Mean of 30 days.

† „ 29 „

N.B.—Elevations in italics indicate barometrical determinations.

Note—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

B.

stations in India, etc., in March, 1908.

Wind Direction.										Wind Velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.								Station.
Number of winds from																												
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Mean velocity in miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 31st March 1908.	Normal rainfall for period 1st Dec. to 31st March.	Departure from normal of period, 1st Dec. 1907 to 31st March 1908.	Heaviest rainfall during month.	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																I.—Burma.
31									‡	N 27° W	1·3	2·2	−0·9			84	+ 3	·817	−·018	0·6	−2·8	5	4·70	+0 30	3·56	3·28	+0·28	4·08	6·30	−2·22	1·30	Mergui.
31									‡	N 34° W	1·0§	1·6	−0·6			88	+ 3	·804	+·033	3·5	+1·1	1	1·60	−0·60	0·23	1·24	−1·01	0·34	2·16	−1·82	0·20	Tavoy.
11	1	2	3	8	4	2			S 45° E	S 58° E	4·8	3·3	+1·5	43	−22	81	+ 1	·796	+·010	0·2	−1·7	0	0·60	−0·60	0	0·36	−0·36	0·15	1·02	−0·87	0	Moulmein.
9	4	2	1		6	3	1	5	N 79° W	S 64° W	5·0	4·5	+0·5	13	−55	84	− 1	·739	−·003	4·6	+2·6	0	0·50	−0·50	0	0·20	−0·20	1·37	0·72	+0·65	0	Rangoon.
4	1		1		1	3	13	8	S 79° W	N 55° W	6·4	5·6	+0·8	66	− 2	89	+ 5	·794	+·016	2·2	+0·2	0	0	0	0	0·01	−0 01	3·22	0·57	+2·65	0	Bassein.
	6	1	4				3	17	N 29° W	N 30° W	11·9	9·3	+2·6	72	− 1	79	+ 3	·792	+·032	1·9	−0·9	0	0	0	0	0·05	−0·05	6·37	1·03	+5·34	0	Diamond Island.
17		1		4	6	2		1	S 9° E	S 51° E	2·6	3·1	−0·5	30	−13	78	+ 4	·736	+·059	3·2	+1·1	0	0·30	−0·30	0·02	0·11	−0·09	2·20	0·51	+1·69	0·02	Toungoo.
																	Observatory not opened.															Kyaukpyu.
5	7	17	2						N 36° E	N 32° E	4·2	3·7	+0·5	76	+ 1	90	+ 8	·732	+·030	3·3	+0·9	0	0·60	−0·60	0	0·52	−0·52	3·03	1·40	+1 63	0	Akyab.
		1		2	13	15			S 19° W	S 68° W	6·3§	4·8	+1·5	86	+47	59	0	·562	+·011	1·1	+0·5	0	0·10	−0·10	0	0·03	−0·03	1·60	0·24	+1·36	0	Thayetmyo.
6				16	4	2		3	S 28° E	S 63° E	3·3	7·4	−4·1	56	+33	55	− 2	·508	−·019	2·0	+1·5	0	0·10	−0·10	0	0·04	−0·04	0·38	0·70	−0·32	0	Minbu.
5	1			20	5				S 38° E	S 38° E	3·0	4·6	−1·6	72	+21	59	0	·540	+·004	1·1	+0·4	1	0·30	+0·70	0·13	0·21	−0·08	1·22	1·16	+0·06	0·11	Yamethin.
22	1	1	2	1	1			1	N 75° E	S 8° W	3·3	4·2	−0·9	10	−16	47	− 7	·465	−·043		−1·3	0	0 40	−0·40	0·02	0·16	−0·14	1·24	0·55	+0·69	0·02	Mandalay.
8	8	2	1	2				10	N 12° W		2·5			49		53		·459		0·6	−4·1	0	0·50	−0·50	0	0·24	−0·24	0·89	0·39	+0·50	0	Monywa.
17	2	8	3					1	N 44° E		3·8§			37		64	− 8	·366	−·054	2·3	+0·1	1			0·95	0·58	+0·37	4·43	1·92	+2·51	0·95	Lashio.
20	1	7	2					1	N 43° E	N 3° W	1·9	3·3	−1·4	30	+ 1	82	+ 3	·514	−·006	2·8		0	1·90	−1·90	0 05	0·66	−0·61	4·01	2·19	+1·82	0·03	Bhamo.
20	1	5	3	2					N 68° E		††4·7§			27		72		·498		2·1		2			0·33			1 95			0·19	Myitkyina.
																																II.—Eastern Bengal and Assam.
29		1	1						N 66° E		0·4			7		85		·514		7·7		2	10·00	−8·00	1·79	5·34	−3·55	5·53	10·23	−4·70	0·90	Dibrugarh.
18	6	6	1						N 27° E	N 51° E	2·0	3·0	−1·0	37	−13	88	− 5	·540	−·016	4·0	−2·2	3	9·80	−6·80	0·88	5·11	−4·23	4·62	8·97	−4·35	0·41	Sibsagar.
5	1	15	9	1					N 62° E		4·8			72		79		·492		1·5		1	5·50	−4·50	0·42	2·68	−2·26	2·41	4 63	−2·22	0·35	Tezpur.
17	5	2	2			3	2		N 45° E		2·5			10		76		·486		6·6		1	5·40	−4·40	0·67	2·82	−2·15	1 51	4·43	−2·92	0·55	Gauhati.
1		2	18	2	2	4	2		S 74° E	N 72° E	6·3	6·3	0	53	+ 6	73	− 2	·498	−·026	1·1	−1·5	2	2·40	−0·40	1·09	1·38	−0·79	2·36	2·86	−0·50	0·74	Dhubri.
12			11	8					S 71° E	S 83° E	4·8	3·0	+1·8	59	+43	71	−11	·522	−·065	0·7	−4·2	1	10·80	−9·80	0·30	8·61	−8·31	2·91	12·10	−9·19	0·21	Silchar.
																	Observatory not opened.															Cox's Bazar.
11	2	8	3	5	2				S 80° E	N 87° E	2·0	5·5	−3·5	40	−14	80	− 3	·668	−·023	1·7	−1·5	1	2·77	−1·77	0·47	2·74	−2·27	2·79	4·87	−2·08	0·47	Chittagong.
14		3	4		6	3		1	S 22° E		3·2			19		82		·683		2·6		0	3·26	−3·26	0	2·75	−2·75	1·62	4·57	−2·95	0	Noakhali.
26	1	1			1	1		1	N 45° W	S 18° W	1·0	3·7	−2·7	3	−13	77	− 8	·697	−·057	1·4	−2·5	1	3·03	−2·03	0·68	1·96	−1·28	1·87	4·27	−2·40	0·67	Barisal.
23			1	1	6				S 16° E		1·4			23		81		·668		1·7		1	3·93	−2·93	0·72	2·74	−2·02	1·76	4·47	−2·71	0·70	Comilla.
7	1		3	8		8	1	3	S 1° W	S 13° W	3·2	5·0	−1·8	26	−13	74	− 9	·606	−·091	2·6	−1·6	2	3·18	−1·18	0·27	2·75	−2·48	1·60	4·57	−2·97	0·16	Narayanganj.
8	8			6	10	2		1	S 4° E		2·4			42		70		·565		2·0		1	3·50	−2·50	1·41	2·30	−0·89	2·98	4·19	−1·21	1·32	Faridpur.
9			1	2	7	3	6	3	S 45° W		3·5			36		65		·487		2·4		0	2·20	−2·20	0	1·26	−1·26	1·49	2·75	−1·26	0	Sirajganj.
14		1	7	5	1	2		1	S 64° E	S 76° E	1·7	3·2	−1·5	33	−28	68	−13	·523	−·087	7·7	+4·1	1	3·52	−2·52	1·03	2·03	−1·00	3·38	3·61	−0·23	0·94	Mymensingh.
23			1	1	1	5			S 19° W	S 53° E	2·5	3·6	−1·1	20	− 4	60	−14	·471	−·091	0·5	−1·9	1	1·74	−0·74	0·12	1·33	−1·21	3·83	2·77	+1·06	0·12	Bogra.
21									‡		0·6					54		·449		1·1		0	1·68	−1·68	0	1·15	−1·15	1·95	2·40	−0·45	0	Rampur Boalia.
4	1	3	1	3	4	8	3	4	S 45° W		1·3§			26		66		·500		0·3		0	1·10	−1·10	0·09	0·82	−0·73	3·99	2·49	+1·50	0·09	Malda.
8	4	3	4	1	1	5	5		N 61° W	S 14° W	3·6	4·9	−1·3	7	+ 4	62	− 4	·428	−·048	2·2	+0·3	1	1·19	−0·19	0·34	0·67	+0·27	2·57	1·59	+0·98	0·92	Dinajpur.
15		4	2	1		2	6	1	N 72° W		2·3			10		68		·493		0·4		0	1·68	−1·68	0·08	1·16	−1·08	1·36	2·17	−0·81	0·06	Rangpur.

‡ Indeterminate. †† Mean of 22 days. § Uncorrected.

Table

(2) *Abstract of observations taken at 8 hrs., at 237 station*

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure, 8 hrs., in inches.							Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean, between maximum and minimum	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	II.—Eastern Bengal and Assam—*concld.*																						
	Jalpaiguri . .	283	29·649	+·022	29·930	29·778	20th	29·442	6th	·336	66·4	85·9	+1·1	60·3	+0·6	73·1	+0·9	25·6	96·9	31st	52·6	3rd & 11th.	44·3
	Cooch Behar . .	156	29·787		29·905	29·920	20th	29·582	6th	·338	66·6	85·0		60·1		72·6		24·9	94·8	31st	49·6	3rd.	45·2
	III.—Bengal.																						
6	Saugor Island . .	25	29·922	+·020	29·892	30·028	21st	29·778	1st	·250	78·0	88·9	+1·7	75·0	0	81·9	+0·9	13·9	96·5	8th	65·0	2nd	31·5
	Midnapore . .	149	29·794		29·893	29·893	11th	29·620	1st	·273	76·5	97·4		68·9		83·7		27·5	105·3	31st	59·7	5th	45·6
	Calcutta . . .	21	29·931	+·026	29·898	30·031	11th	29·773	31st	·258	75·2	94·1	+3·3	69·1	−0·4	81·7	+1·5	25·0	103·1	31st	60·2	3rd	42·9
	Jessore . . .	33	29·929	+·038	29·909	30·042	20th	29·762	6th	·280	75·1	91·8	−0·6P	65·7	−2·5	78·8	−1·6P	26·1	100·0	31st	53·2	3rd	46·8
	Krishnagar . .	47	29·904		29·900	30·005	11th	29·743	31st	·262	73·5	94·7		64·0		79·4		30·7	104·1	31st	52·0	3rd	52·1
	Burdwan . .	99	29·846	+·026	29·896	29·961	11th	29·671	1st	·290	74·6	95·8	+2·1	67·7	−0·7	81·8	+0·7	28·1	104·9	31st	56·8	5th	48·1
	Bankura . .	313	29·624		29·895	29·730	11th	29·443	1st	·287	74·9	95·8		68·3		82·1		27·5	105·1	31st	57·7	4th	47·4
	Raniganj . .	334	29·617		29·914	29·718	11th	29·437	1st	·281	72·3	94·7		65·7		80·2		29·0	104·5	31st	55·5	3rd	49·0
	Berhampore . .	67	29·884*	+·037	29·902*	29·987	11th	29·706	31st	·281	71·9	93·4	+1·7	61·2	−1·5	79·4	+0·1	30·2	104·3	31st	54·2	11th	50·1
	Naya Dumka . .	489	29·451		29·911	29·556	20th	29·273	31st	·283	73·7	93·5		64·6		79·0		28·9	102·9	31st	54·0	4th	48·9
7	Balasore . .	50	29·906	+·034	29·901	30·006	11th	29·748	31st	·258	76·3	93·6	+0·9	69·7	+0·1	81·7	+0·5	23·9	101·9	31st	60·3	3rd	41·6
	False Point . .	21	29·946	+·030	29·909	30·044	20th & 21st.	29·801	31st	·243	77·2	86·1	−1·2	70·4	−1·8	78·3	−1·5	15·7	95·1	8th	61·6	3rd	33·5
	Cuttack . .	80	29·875	+·023	29·900	29·967	21st	29·740	31st	·227	75·8	96·0	−1·0	71·0	−1·5	83·5	−1·3	25·0	102·4	8th	65·2	3rd & 6th.	37·2
	Puri . . .	24	29·932		29·895	30·031	21st	29·797	31st	·234	78·2	86·3		74·9		80·3		11·4	90·5	29th	69·6	3rd	20·9
	Angul . . .	455	29·495		29·920	29·593	20th	29·341	1st	·252	71·3	96·0		68·4		82·3		27·6	103·6	31st	53·5	3rd	45·1
	Sambalpur . .	486	29·471	+·029	29·915	29·567	28th	29·317	1st	·250	75·4	96·4	−0·3	67·6	+0·3	82·0	0	28·8	103·1	31st	56·6	3rd	46·5
8	Chaibassa . .	*733*	29·209	+·065?	29·914	29·3·2	11th	29·051	1st	·251	70·8	96·2	+1·4	66·5	−0·5	81·4	+0·5	29·7	104·3	23rd	58·2	3rd	46·1
	Ranchi . . .	2,128	27·823	+·047	29·932	27·920	27th	27·642	1st	·278	71·8	88·7	+1·1	61·2	+0·9	76·5	+1·0	24·5	97·2	31st	56·4	14th	40·8
	Purulia . . .	*816*	29·112		29·893	29·208	20th	28·927	1st	·281	69·8‖	95·6		66·4		81·0		29·2	103·5	31st	57·1	3rd	46·4
	Hazaribagh . .	1,993	27·941	+·046	29·924	28·032	27th	27·782	1st	·250	72·7	86·7	−1·9	62·5	−1·3	74·6	−1·6	24·2	95·7	31st	50·3	4th	45·4
	Daltonganj . .	*730*	29·240P		29·958?	29·323	27th	29·067	31st	·256	64·8	91·6		57·5		74·6		34·1	102·0	31st	48·0	4th	54·0
9	Purnea . . .	122	29·804	+·026	29·889	29·944	20th	29·618	6th	·326	67·3	90·3	+0·4	58·7	−1·7	74·5	−0·7	31·6	102·2	31st	47·7	11th	54·5
	Bhagalpur . .	160	29·782		29·898	29·908	20th	29·596	6th	·312	74·3	90·4		63·0		76·7		27·4	103·2	31st	51·8	11th	51·4
	Monghyr . .	155	29·782		29·894	29·899	20th	29·601	6th	·298	72·2	89·2		62·9		76·0		26·3	102·4	31st	51·9	3rd	50·5
	Darbhanga . .	165	29·764	+·032	29·891	29·898	20th	29·577	6th	·321	67·8	89·9	+2·0	59·2	−2·7	74·6	−0·9	30·7	101·6	31st	49·3	3rd	52·3
	Pusa . . .	166	29·769		29·895	29·891	20th	29·575	6th	·316	68·4	90·6		58·6		74·8		32·0	103·9	31st	47·2	10th	56·7
	Muzaffarpur . .	178	29·756		29·898	29·886	20th	29·556	6th	·330	71·0	90·4		59·8		75·1		30·6	101·7	31st	50·0	11th	51·7
	Motihari . .	224	29·693†		29·886†	29·798	27th	29·510	7th	·288	64·7	90·4		57·8		74·1		32·6	101·9	31st	46·3	4th	55·6
	Chapra . . .	181	29·760††		29·903††	29·877	20th	29·566	31st	·311	67·6	90·1		59·1		74·6		31·0	101·8	31st	48·6	3rd	53·2
	Patna . . .	183	29·759	+·035	29·901	29·872	20th	29·562	31st	·310	72·7	88·5	−2·4	63·8	−0·2	76·2	−1·3	24·7	102·5	31st	53·2	3rd	49·3
	Arrah . . .	190	29·756		29·906	29·863	20th	29·555	31st	·308	68·9	91·0		60·5		75·8		30·5	102·9	31st	50·7	3rd	52·2
	Buxar . . .	239	29·696		29·899	29·793	20th	29·492	31st	·301	70·6	91·2		63·6		77·4		27·6	103·0	31st	53·1	3rd	49·9
	Dehri . . .	351	29·591		29·908	29·683	20th	29·399	31st	·284	71·2	91·4		65·7*		78·7*		25·7	103·3	31st	57·0	15th	46·3
	Gaya . . .	375	29·567	+·028	29·908	29·663	1.th	29·381	31st	·282	71·8	91·0	−2·3	64·8*	−1·3	78·0*	−1·8	26·2	103·9	31st	54·7	3rd	49·2
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur . .	257	29·665	+·038	29·888	29·801	20th	29·467	31st	·334	69·9	90·1	−0·4	60·3	−2·2	75·2	−1·3	29·8	103·1	31st	50·0	11th	53·1
	Benares . . .	267	29·675	+·032	29·906	29·789	10th	29·477	31st	·292	71·1	89·8	−3·0	59·4*	−2·4	74·7*	−2·7	30·4	103·1	31st	50·1	3rd 4th & 15th.	53·0
	Allahabad . .	309	29·632	+·027	29·906	29·744	10th	29·436	31st	·308	70·3	92·1	−0·9	60·9	−1·2	76·5	−1·1	31·2	105·6	31st	50·5	3rd	55·1

N.B.—Elevations in italics indicate barometrical determinations.

Note.—The barometric readings are not reduced to sea-level, in the cases of hill or plate

* Mean of 30 days.

† " 28 "

†† " 29 "

B—*continued.*

in India, etc., in March, 1908—continued.

Wind Direction. Number of winds from Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 31st March 1908.	Normal rainfall for period 1st Dec. to 31st March.	Departure from normal of period, 1st Dec. 1907 to 31st March 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																															II.—Eastern Bengal and Assam—*concld.*	
28	2		1						N 27° E	N 75° E	1·9			7	—34	70§	— 5	·484§	—·019	2·0	+0·1	2	2·10	—0·10	0·26	1·23	— 0·97	1·23	2·22	—0·99	0·10	Jalpaiguri.
13		1	14	3					S 87° E		1·5			55		73		·488		2·0		2	2·41	— 0·41	0·65	1·66	— 1·01	1·53	2·59	—1·06	0·47	Cooch Behar.
																															III.—Bengal.	
	5	4			6	11	2	3	S 67° W	S 49° W	13·7‡	13·1	—0·6	33	— 6	82	— 1	·788	—·023	3·3	—1·0	0	1·81	— 1·81	0	1·33	— 1·33	1·78	2·99	—1·21	0	Saugor Island.
2	7	4			12	1	1	4	S 88° W		3·5			2		61		·554		2·8		0	2·59	— 2·59	0·05	1·67	— 1·62	2·78	3·51	— 0·73	0·05	Midnapore.
6	2		1	2	3	9	2	6	S 66° W	S 42° W	4·9‡	4·9	0	37	—10	75	— 6	·673	—·033	3·0	+0·1	0	2·00	— 2·00	0	1·19	— 1·19	1·39	2·73	— 1·34	0	Calcutta.
24			1	1	1	3		1	S 19° W	S 32° W	1·1	2·9	—1·8	10	—19	72	— 8	·635	—·066	2·7	—1·1	2	3·13	— 1·13	3·21	1·93	+ 1·28	4·60	3·73	+ 0·87	3·00	Jessore.
30							1		W		2·8					66		·550		0		0	1·97	— 1·97	0	1·11	— 1·11	2·09	2·74	— 0·65	0	Krishnagar.
7	2	1			2	6	6	7	N 84° W	S 58° W	2·7	3·1	—0·4	46	+ 9	59	— 5	·520	—·032	2·4	—0·4	1	2·16	— 1·16	0·15	1·34	— 1·19	2·49	2·66	— 0·17	0·12	Burdwan.
27		1					2	1	N 63° W		2·1			6		49		·419		1·0		0	1·76	— 1·76	0	1·30	— 1·30	2·77	2·80	— 0·03	0	Bankura.
13	1				1	7	9		N 65° W		2·4			48		49		·416		1·8		0	1·48	— 1·48	0·07	0·76	— 0·69	2·75	2·32	+ 0·43	0·07	Raniganj.
8			4		7	10	2		S 20° W	S 42° W	2·7	3·3	—0·6	49	+ 6	54	—18	·435	—·131	1·8	—0·9	0	1·73	— 1·73	0	0·97	— 0·97	1·98	2·46	— 0·48	0	Berhampore.
25						4	2		N 79° W		3·3†			16		44		·372		0·5		0	1·41	— 1·41	0·02	0·81	— 0·79	2·14	2·26	— 0·12	0·02	Naya Dumka.
7	7				3	10		3	S 89° W	S 61° W	3·6	5·8	—2·2	27	— 9	69*	—10	·627*	—·083	2·5	—1·1	1	2·87	— 1·87	0·62	1·82	— 1·20	4·86	3·47	+ 1·39	0·60	Balasore.
5		1			2	12	9	2	S 65° W	S 70° W	8·4	10·8	— 2·4	66	+ 12	85	— 1	·793	—·035	4·4	+0·2	2	1·48	+ 0·52	2·03	1·15	+ 0·88	4·99	3·25	+ 1·74	1·70	False Point.
10		2	3	1	3	8	4		S 30° W	S 50° W	2·1‡	3·3	—1·2	33	+ 4	77	— 1	·687	—·027	3·0	+0·1	1	1·77	— 0·77	0·64	1·23	— 0·59	2·30	2·12	+ 0·18	0·60	Cuttack.
1	4	3	2			20	1		S 34° W		14·4			45		85		·831		3·9		0	1·05	— 1·05	0	0·65	— 0·65	2·00	2·55	—0·55	0	Puri.
2	4	4			2	9		4	13 N 35° W		6·2			52		63		·538		4·0		1			0·18			1·38			0·18	Angul.
	5	8	7	4	1	4	1	1	N 66° E	N 46° E	4·5	3·1	+1·4	40	— 6	45	— 6	·435	—·047	2·2	+0·4	0	1·80	— 1·80	0	1·07	— 1·07	1·58	2·10	— 0·52	0	Sambalpur.
6		1		1		18	4	1	S 53° W	S 69° W	3·4	1·7	+ ·7	66	+15	53	— 4	·405	—·056	1·3	—0·6	0	2·19	— 2·19	0	1·05	— 1·05	3·67	2·55	+ 1·12	0	Chaibassa.
5	2					3	8	13	S 65° W	N 86° W	7·9	6·5	+1·4	69	+26	33	—12	·259	—·057	1·7	+0·1	0	2·58	— 2·58	0	1·37	— 1·37	3·50	3·11	+ 0·39	0	Ranchi.
2					1	6	2		N 83° W		4·0			26		52‖		·385‖		0·6		0	2·17	— 2·17	0	1·01	— 1·01	2·41	2·65	— 0·24	0	Purulia. **
1	2			1	4	6	6	11	N 87° W	S 86° W	8·0	8·1	—0·1	56	+ 4	33	— 8	·272	—·042	2·3	0	1	1·81	— 0·81	0·59	0·80	— 0·21	4·48	2·24	+ 2·24	0·59	Hazaribagh.
15			6	4		4	1	1	S 39° E		3·1			23		56		·351		1·7		1	1·67	— 0·67	0·33	0·63	— 0·27	4·39	2·21	+ 2·18	0·36	Daltonganj.
12		2	3	2		5	1	6	N 76° W	N 45° E	4·4	4·0	+0·4	10	+ 6	60	— 9	·412	—·060	1·5	+0·1	0	0·83	— 0·83	0·04	0·44	— 0·40	2·60	1·57	+1·03	0·04	Purnea.
8		4	2		5	4	8		S 50° W		4·5			26		44		·376		0·6		0	0·84	— 0·84	0·08	0·44	— 0·36	2·17	1·74	+ 0·43	0·08	Bhagalpur.
2	1	2	4			7	13	2	S 86° W		3·0			45		58		·470		1·3		0			0·12			3·71			0·09	Monghyr.
15		1	3			3	8	1	S 84° W	S 82° W	3·1	4·5	—1·4	23	— 1	62	+ 1	·432	—·007	0·7	—0·4	1	0·83	+ 0·17	0·18	0·46	— 0·28	1·62	1·66	— 0·04	0·18	Darbhanga.
12	7	1	1			2	8		N 53° W					32		56		·395		0·8		1			0·15			2·39			0·10	Pusa.
5	1		4	3		4	8	6	N 88° W		5·4‡			1		49		·374		0·5		1	0·97	+ 0·03	0·21	0·43	— 0·22	1·45	1·76	— 0·31	0·21	Muzaffarpur.
9		2	1	1	1	5	8	4	S 85° W		2·4			36		68		·427		2·2		1	0·77	+ 0·23	0·22	0·49	— 0·27	0·88	1·59	— 0·71	0·22	Motihari.
6	1	3	1	1	1	3	5	10	N 59° W		4·3			39		††59		††·409		0·6		0	0·71	— 0·71	0·07	0·38	— 0·31	2·13	1·70	+ 0·43	0·07	Chapra.
1	1		4	3	3	10	8	1	S 43° W	S 63° E	5·8	3·9	+1·9	46	+17	48	— 2	·403	+·006	0·8	—1·0	1	0·74	+ 0·26	0·38	0·39	— 0·01	2·79	1·65	+ 1·14	0·35	Patna.
9		2		1	2	13	4		S 45° W		3·3			48		44		·322		1·5		0	0·81	— 0·81	0	0·47	— 0·47	2·94	2·09	+ 0·85	0	Arrah.
1	1	1	3		16	8	1		S 53° W		8·7			65		42		·325		2·3		0	0·87	— 0·87	0·04	0·28	— 0·24	1·88	1·78	+ 0·10	0·04	Buxar.
2				2	19	8			S 54° W		2·6			84		41		·322		3·1		1	1·00	0	0·38	0·53	— 0·15	3·45	1·96	+ 1·49	0·38	Dheri.
6		2			7	5	11		S 55° W	S 37° W	3·9	4·2	—0·3	58	+13	55	+ 2	·442	+·004	2·0	—0·1	0	1·03	— 1·03	0·04	0·55	— 0·51	3·42	1·94	+ 1·48	0·04	Gaya.
																															IV.—United Provinces of Agra and Oudh.	
31					3	4	3		W	N 72° W	1·6‡	3·2	—1·6	26	—10	51	— 8	·378	—·034	1·6	0	1	0·70	+ 0·30	0·97	0·33	+ 0·64	1·67	1·72	— 0·05	0·97	Goraknpur.
9			11	1	3	13	3	1	S 43° W	S 54° W	3·2	4·7	—1·5	53	+ 6	59	+ 1	·468	+·046	2·2	+0·2	1	0·80	+ 0·20	= 0·23	0·25	— 0·02	2·29	1·59	+ 0·70	0·18	Benares.
2			2	3	2	11	10	1	S 52° W	S 85° W	3·8	5·1	—1·3	56	+17	36	—11	·277	—·092	2·3	+0·3	0	0·60	— 0·60	0	0·26	— 0·26	0·98	1·73	— 0·78	0	Allahabad.

stations, the elevations of which exceed 3,200 feet.

‡ Uncorrected.

‖ Mean of 11 days.

§ „ 27 „

** Wind observations of 11 days.

Table

(2) *Abstract of observations taken at 8 hrs., at 236 stations*

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IV.—United Provinces of Agra and Oudh—*concld.*																						
10	Cawnpore	416	29·527	+·049	29·919	29·636	10th	29·331	31st	·305	68°0	91°4	+0·6	59°4	−1°0	75°4	−0·2	32°0	105°9	31st	47°5	11th	58°4
	Lucknow	368	29·585*	+·056	29·926*	29·687	10th	29·379	31st	·308	69·2	90°9	−0·6	59·8	−0·5	75°4	−0·6	31°1	105·0	31st	49°6	11th	55°4
	Bahraich	401	29·523	+·047	29·900	29·638	27th	29·310	31st	·328	68·2	90°4	+1·4	59°2	+0·4	74·8	+0·9	31·2	104·1	31st	47·0	10th	57·1
11	Jhansi	835	29·139	+·039	29·958	29·261	10th	28·966	31st	·295	73°7	91°5	−1·6	61°7	−1·6	78°1	−1·6	26·6	106·8	31st	55·6	10th & 11th	51·2
	Agra	556	29·394	+·024	29·933	29·528	10th	29·211	31st	·317	67°6	88°3*	−2·8	61°6	−1·1	75°0*	−2·0	26°7	103·0	31st	49·0	9th & 10th.	54·0
	Mainpuri	516	29·421	+·045	29·917	29·540	10th	29·224	31st	·316	66·0	90°8	+1·1	57·5*	−0·8	74·4*	+0·2	32·9	106·3	31st	47·3	2nd & 10th.	59·0
	Bareilly	568	29·343	+·029	29·902	29·442	20th	29·135	31st	·307	64·0	88°3	+0·8	57·2	−1·8	72·8	−0·5	31·1	102·3	31st	46·0	9th	56·3
	Meerut	738	29·181	+·031	29·916	29·286	10th	28·983	31st	·303	63·8	87°4	+0·8	54·8	−2·9	71·2	−1·1	32·6	101·6	31st	43·3	2nd	58·3
	Roorkee	899	29·030	+·052	29·940	29·126	20th	28·825	31st	·301	61·7	85·2	−0·2	52·9	−3·2	69·1	−1·7	32·3	101·0	27th	40·4	11th	60·6
	Dehra Dun	2,233	27·688	+·037	29·915	27·798	20th	27·519	31st	·279	61·7	81·6	+1·9	54·0	−1·0	67·9	+0·5	27·6	96·5	31st	42·0	10th	54·5
	V.—Punjab.																						
12	Delhi	718	29·227*	+·047	29·939*	29·547	10th	29·041	31st	·306	66·1	87°4	0	60°9	−1·3	74·2	−0·7	26·5	102·7	31st	48·7	2nd	54·0
	Sirsa	662	29·285	+·045	29·945	29·445	10th	29·107	31st	·338	65·3	86°2	−1·8	54·0	−3·2	70·4	−2·5	32·8	103·3	30th & 31st.	40·6	8th	62·7
	Patiala	*818*	29·114		29·931	29·218	10th	28·924	31st	·324	64·7	84·7		54·3		69·5		30·4	99·6	31st	30·8	2nd	68·8
	Ambala	892	29·027†	+·046	29·930†	29·132	10th	28·833	31st	·299	60·9	84·6*	+0·7	53·9	−3·2	69·4*	−1·3	30·7	97·5	31st	41·0	8th	58·5
	Ludhiana	812	29·121	+·046	29·940	29·278	10th	28·918	31st	·360	62·3	84·3	−0·1	55·6*	−1·9	70·1*	−1·0	28·7	100·0	31st	45·0	8th, 9th & 10th.	55·0
	Lahore	702	29·229	+·032	29·939	29·316	10th	29·039	31st	·357	60·9	84·7	−0·4	53·4	−0·8	69·1	−0·6	31·3	100·4	31st	39·7	8th	60·7
	Sialkot	830	29·105	+·041	29·945	29·256	10th	28·911	31st	·345	63·4	84·5	+2·8	52·9	−2·7	68·7	+0·1	31·6	97·7	30th & 31st.	38·1	8th	59·6
	Rawalpindi	1,674	28·268	+·041	29·993	28·406	10th	28·057	1st	·349	59·1	77·2	+0·7	50·9	+0·2	64·1	+0·5	26·3	92·9	28th & 29th.	38·1	9th	54·8
13	Khushab	612	29·337	+·067†	29·959	29·515	10th	29·180	1st	·335	63·9	82·5	+1·9	56·0	−0·8	69·3	+0·6	26·5	96·9	29th & 31st.	40·4	10th	56·5
	Montgomery	558	29·388	+·043	29·939	29·553	10th	29·211	31st	·342	65·3	85·5	−0·2	53·3	−2·6	69·4	−1·4	32·2	101·9	31st	38·1	1st & 7th.	63·8
	Multan	420	29·558	+·050	29·964	29·722	10th	29·359	31st	·363	64·5	85·6	−0·9	56·5	−1·9	71·1	−1·4	29·1	101·3	31st	40·5	8th	60·8
	VI.—North-West Frontier Province.																						
15	Peshawar	1,110	28·880	+·035	30·033	29·634	12th	28·670	1st	·364	58·1	74·9	−1·2	51·3	−0·6	63·1	−0·9	23·6	89·7	28th	38·9	8th	50·8
	D. I. Khan	590	29·412	+·055	29·961	29·570	10th	29·206	31st	·364	63·8	82·0	−1·5	54·2	−1·3	68·1	−1·4	27·8	95·3	29th	40·6	2nd & 10th.	54·7
	VII.—Sind.																						
17	Jacobabad	186	29·794	+·054	29·950	29·954	12th	29·573	31st	·378	67·4	89·9	−2·2	58·0	−1·6	73·5	−1·9	30·9	103·6	30th	40·3	9th & 10th.	63·3
	Hyderabad	96	29·896	+·049	29·950	30·084	12th	29·709	31st	·375	68·3	90·9	−2·2	60·8	−3·4	75·9	−2·8	30·1	103·6	30th	45·0	8th	63·6
	Kurrachee	30	29·997	+·061	29·979	30·170	12th	29·842	31st	·328	69·8	85·6	−0·5	63·8	−2·3	74·7	−1·4	21·8	100·9	28th	47·2	8th	53·7
	VIII.—Rajputana.																						
18	Bikaner	*771*	29·175	+·043	29·944	29·333	10th	28·981	31st	·352	66·8	87·4	−1·9	61·2*	−3·5	74·6*	−2·7	26·2	107·1	31st	46·0	10th	61·1
	Jodhpur	782	29·197		29·987	29·318	10th	29·045	31st	·273	68·9	90·4		61·3		75·8		29·1	107·1	31st	41·3	1st	65·8
	Pachpadra	*380*	29·583	+·028	29·937	29·728	13th	29·440	31st	·288	66·5	90·9	−3·4	55·3	−2·7	73·1	−3·1	35·6	108·3	31st	36·6	1st	71·7
19	Jaipur	1,431	28·533	+·039	29·965	28·675	13th	28·376	31st	·299	70·3	88·8	−0·9	59·5	−1·3	74·2	−1·1	29·3	106·2	31st	44·6	2nd	61·7
	Sambhar	1,254	28·700*	+·041	29·969*	28·840	13th	28·519	31st	·291	69·3	88·6	−0·1	55·7	−3·1	72·2	−1·6	32·9	105·4	31st	41·0	9th	64·4
	Ajmer	1,611	28·364	+·026	29·988	28·498	13th	28·230	31st	·268	66·6	87·5	−1·6	61·4	+1·7†	74·4	+0·1†	26·1	102·4	31st	41·2	1st	61·2
	Kotah	819†	29·134	+·031	29·976	29·263	10th	28·951	31st	·302	71·8	91·4	−1·4	63·7	−2·7	77·5	−2·1	27·7	106·5	31st	52·1	2nd & 3rd.	54·4
	Udaipur	1,925	28·058		29·978	28·164	13th	27·938	31st	·226	70·0	98·2		58·3		73·3		29·9	108·5	31st	41·3	11th	62·1
	IX.—Bombay.																						
20	Deesa	466	29·510	+·030	29·914	29·651	13th	29·372	31st	·279	71·2	94·1	−2·0	60·2	−3·6	77·1	−2·8	33·9	109·3	31st	43·7	1st	65·6
	Bhuj	395	29·612	+·058	29·973	29·748	12th	29·454	31st	·294	70·4	90·4	−3·5	62·1	−3·3	76·3	−3·4	28·3	105·6	31st	49·0	9th	56·6

N. B.—Elevations in italics indicate barometrical determinations.
NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 1,200 feet.

† Mean of 29 days.

B—*continued.*

in India, etc., in March 1908—continued.

Wind Direction.											Wind Velocity.			Wind Steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.								Heaviest rainfall during month.	Station.
Number of winds from									Resultant direction.	Normal direction.	Mean velocity in miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 31st March 1908.	Normal rainfall for period 1st Dec. to 31st March.	Departure from normal of period 1st Dec. 1907 to 31st March 1908.		
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																							
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IV.—United Provinces of Agra and Oudh—*contd*
17	1	1				3	7	2	N 85° W	S 89° W	2·7	4·3	−1·6	33	− 3	41	− 5	·291	−·064	0·5	−0·8	0	0·70	−0·70	0·06	0·26	− 0·20	0·92	1·59	−0·67	0·05	Cawnpore.
15	2		1		1	5	2	5	N 83° W	N 80° W	2·4	3·8	−1·4	27	−16	36	−17	·267	−·119	1·4	−0·7	1	0·90	+0·10	0·10	0·33	− 0·23	1·42	2·11	−0·69	0·10	Lucknow.
12	2		2	1		2	1	11	N 44° W	N 51° W	3·9	3·6	+0·3	33	+ 5	61	− 1	·439	+·004	1·0	−1·0	1	1·00	0	0·20	0·57	− 0·37	1·92	2 84	−0·92	0·20	Bahraich.
11	1			2	1	11		5	S 60° W	S 84 °W	5·2	3·0	+2·2	40	+ 8	38	0	·325	+·011	1·1	−0·2	0	0·50	−0·50	0·24	0·26	− 0·02	1·65	1·53	+0·12	0·07	Jhansi.
10	1	1		1		10		8	S 88° W	N 66° W	4·5†	4·8	−0·3	36	− 7	39	− 9	·278	−·064	1·5	−0·7	0	0·80	−0·80	0	0·26	− 0·26	1·26	1·37	−0·11	0	Agra.
4	2		1		3	7	6	8	S 89° W	N 62° W	2·4	2·5	−0·1	50	+18	42	− 9	·292	−·060	0·5	−2·0	0	0·50	−0·50	0	0·04	− 0·04	0·80	2·07	−1·27	0	Mainpuri.
13	3	2	1	1	1	1	6	3	N 54° W	N 43° W	3·3	3·7	−0·4	27	− 9	65	+ 7	·409	+·036	1·7	−0·5	0	1·82	−1·82	0	0·76	− 0·76	1·03	2·88	−1·85	0	Bareilly.
21	1			1			7	1	N 82° W	N 86° W	0·9	2·8	−1·9	23	−24	43	−13	·275	−·072	1·5	−0·8	0	1·10	−1·10	0	0·63	− 0·63	1·67	3·36	−1·69	0	Meerut.
22		1		3				5	N 18° W	N 41° W	2·5	3·0	−0·5	7	− 8	51	−11	·295	−·057	0·6	−1·8	0	1·90	−1·90	0	0·69	− 0·69	4·85	4·30	+0·55	0	Roorkee.
31										N 5° W	1·8‖	2·1	−0·3			48	− 9	·269	−·049	2·8	+0·2	1	2·60	−1·60	0·10	0·94	− 0·84	7·12	6·33	+0·79	0·10	Dehra Dun.
																																V.—Punjab.
4	1		2	1		7	13	3	S 83° W	N 87° W	4·2	3 9	+0·3	56	+ 6	44	− 5	·298	−·025	1·2	−1·8	0	1·50	−1·50	0	0·50	−0·50	2·09	2·97	−0·88	0	Delhi.
14	2	2	3	1	3	2	2	2	S 45° E	N 24° W	3·0	4·7	−1·7	1	− 3	42	−15	·259	−·095	1·8	−1·4	0	1·10	−1·10	0	0·32	− 0·32	0·65	1·80	−1·15	0	Sirsa.
5	5	2	3	3	1		1	11	N 10° W		4·3			36		46		·291		1·4		0			0			2·17			0	Patiala.
18		1		1				11	N 39° W	N 37° W	3·1	3·2	−0·1	33	+ 9	53	−10	·287	−·100	2·7	+0·7	0	1·40	−1·40	0 02	0·37	− 0·35	2·01	5·22	−3·21	0·02	Ambala.
18		2		1			2	8	N 41° W	N 31° W	2 0	2·2	−0·2	27	+ 5	45	−18	·272	−·099	2·2	−1·6	0	1·70	−1·70	0·03	0·79	− 0·76	3·17	4·71	−1·54	0·03	Ludhiana.
11	3	2	1	5	1		3	5	N 10° W	N 10° W	2·7	2·9	−0·2	10	− 8	53	−12	·298	−·076	3·1	−0·3	0	1·70	−1·70	0·02	0·65	− 0·63	1·75	3·25	−1·50	0·02	Lahore.
12	5	1	2	1	2	1	2	5	N 26° W	N 7° E	2·0	2·1	−0·1	23	− 6	49	−18	·299	−·084	1·6	−1·2	0	2·90	−2·90	0	1·14	− 1·14	2·01	5·97	−3·93	0	Sialkot.
19	2	3	2				2	3	N	N 39° W	4·2	2·9	+1·3	20	− 6	53	−19	·270	−·069	2·6	−1·5	1	4·20	−3·20	0·28	1·89	− 1·61	4·20		−3·41	0·11	Rawalpindi.
8	4	8	2	2		2	3	2	N 24° E	N 22° E	5·4	5·1	+0·3	27	+ 5	42	−16	·258	−·079	2·0	−0·8	0	1·70	−1·70	0	1·13	− 1·13	3·06	3·18	−0·12	0	Khushab.
7	3	5	2	6	1			7	N 38° E	N 53° E	5·0	5·4	−0·4	27	+ 5	30	−22	·195	−·132	2·5	+0·1	0	1·20	−1·20	0	0·35	−0·35	0·36	2·28	−1·92	0	Montgomery
13	11	3	1	1	1	1			N 16° E	N 50° E	1·7	1·9	−0·2	37	+12	46	−13	·297	−·072	2·2	+0·4	0	1·20	−1·20	0	0·39	− 0·39	0·53	1·46	−0·93	0	Multan.
																																VI.—North-West Frontier Province
18	2	1	3	1	1	2	3		S	S 27° W	2·2	3·6	−1·4	1	−24	63	− 9	·319	−·040	4·0	−0·8	2	3·90	−1·90	0·62	2·04	− 1·42	5·94	5·19	+0·75	0·28	Peshawar.
11	2	4						3	N 28° W	N 13° W	2·6	2·1	+0·5	53	+21	43*	−22	·281*	−·081	3·8	+0·6	0	2·50	−2·50	0·01	0·89	−0·88	2·65	2·31	+0·34	0·01	D. I. Khan.
																																VII.—Sind.
5	4	5		4	2		1	10	N 11° W	N 83° E	5·0	3·9	+1·1	33	+ 8	49	+ 8	·349	+·056	2·3	−0·5	0	0·70	−0·70	0	0·15	− 0·15	1·15	0·85	+0·30	0	Jacobabad.
6	5	2			2	10	1	5	N 85° W	S 83° W	7·6	8·4	−0·8	33	+ 5	45	− 4	·338	−·045	1·6	−0·8	0	0·30	−0·30	0	0·16	− 0·16	0·54	0·67	−0·13	0	Hyderabad.
5	5	4					9	8	N 42° W	N 32° W	3·6	11·4	−2·8	56	+20	66	− 8	·522	−·058	2·6	+0·3	0	0·50	−0·50	0	0·19	− 0·19	0·85	1·29	−0·44	0	Kurrachee.
																																VIII—Rajputana.
4		2	3	5	8	7	2		S 4° E	S 46° W	6·0	5·3	+0·7	49	+38	36	− 4	·241	−·045	2·3	−0·7	0	0·50	−0·50	0	0·19	− 0·19	0·41	1·01	−0·60	0	Bikaner.
11	5	5	1		2	1	2	4	N 6° W		3·9			30		24*		·188*		2·7		0	0·20	−0·20	0	0·01	− 0·01	0·38	0·50	−0·12	0	Jodhpur.
25	1		1	1		1	1	1	N 87° W		4·2	5·3	−1·1	2		30	−19	·211	−·138‖	0	−2·4	0	0·30	−0·30	0	0·11	− 0·11	0·36	0·69	−0·33	0	Pachpadra.
7	8	8	4					4	N 23° E	N 29° W	4·0‖	4·5	−0·5	59	+19	28	−16	·224	−·103	2·1	−0·5	0	0·70	−0·70	0	0 34	− 0·34	0·95	1 30	−0·35	0	Jaipur.
12	3	5	4	1			4	2	N 21° E	N 11° W	5·2	5·7	−0·5	27	+ 5	39	− 6	·243	−·057	2·1	−0·3	0	0·80	−0·80	0·04	0·28	−0·24	0·48	1·20	−0·72	0·04	Sambhar.
23		4			1	1	2		N 6° E	S 63° W	4·6	4·1	+0·5	4	− 7	41	− 7	·282	−·055	3·5	+1·4	1	0·60	+0·40	0·12	0·16	− 0·04	0·99	1·11	−0·12	0·12	Ajmer.
20	2			2				7	N 32° W		1·6			23		33		·268		0·7		0	0·40	−0·40	0	0·10	−0·10	0·47	0·82	−0·35	0	Kotah.
14			2			1	8	6	N 72° W		3·6			40		41		·312		1·3		0	0·30	−0·30	0·02			0·25			0·02	Udaipur.
																																IX.—Bombay.
23	3	3	2						N 39° E	N 7° W	4·0‖	8·6	−4·6	23	− 9	29	− 8	·22	−·070	0·7	−1·4	0	0·18	−0·18	0	0·05	−0·05	0·31	0·33	−·002		Deesa.
7	1	2					6	15	N 49° W	N 60° W	6·7		−2·1	62	− 3	66	+ 9	495	−·015	1·6	−0·4	0	0·10	−0·10	0	0·06	−0·06	0·09	0·29	− 0·20	0	Bhuj.

* Mean of 20 days. (a) Indeterminate. ‖ Uncorrected.

Table

(2) Abstract of observations taken at 8 hrs., at 237 stations

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IX.—Bombay—*concld.*																						
20	Jamnagar	61	29·954		29·960	30·080	12th	29·807	31st	·273	72·5	86·7		62·3		74·5		24·4	101·9	30th	49·3	10th	52·6
	Dwarka	37?	29·989		29·973	30·123	12th	29·840	31st	·283	74·0	81·0		67·8		74·4		13·2	98·3	27th	56·2	9th	42·1
	Rajkot	429	29·579	+·051	29·973	29·702	12th	29·438	31st	·264	70·9	92·6	−3·0	58·9	−3·5	75·8	−3·3	33·7	105·9	30th	45·5	9th	60·4
	Veraval	*18*	29·991	+·056	29·951	30·109	12th	29·847	31st	·262	71·3	86·2	−0·1	63·2	−1·7	74·7	−0·9	23·0	98·7	30 h	52·3	9th	46·4
	Bhavnagar Para	55	29·955	+·028	29·954	30·080	13th	29·820	31st	·260	71·8	93·9	+0·2?	63·4	−3·4	78·6	−1·6?	30·5	107·1	31st	51·5	2nd	55·6
	Surat	39	29·945	+·013	29·930	30·058	12th	29·809	31st	·249	72·6	95·2	-1·4	64·7	-1·3	80·0	−1·4	30·5	106·1	30th	55·1	2nd	51·0
	Ahmedabad ‖	163	29·823	+·032	29·940	29·957	13th	29·670	31st	·287	71·7	95·6	−1·4	64·5	−3·3	80·1	−2·4	31·1	111·1	31st	49·1	1st	62·0
26	Bombay	37	29·944	+·013	29·921	30·048	12th	29·832	31st	·216	74·6	84·8	-0·9	71·2	−2·2	78·0	-1·6	13·6	89·0	28th	63·5	2nd	25·5
	Ratnagiri	110	29·852	+·012	29·902	29·930	12th	29·770	31st	·160	76·9	86·3	−1·5	70·3	−2·1	78·3	-1·8	16·0	92·8	31st	60·9	2nd	31·9
	Goa	199	29·753?	−·014?	29·892?	29·820	12th	29·687	31st	·133	77·3	83·9	−3·4?	74·0	−0·2?	78·9	-1·8?	9·9	89·0	27th	65·0	2nd	24·0
	Mormugao †	*60*	29·914	+·025	29·909	29·987	21st	29·848	31st	·139	78·1	86·2	−0·7	72·9	−2·6	79·6	−1·7	13·5	92·0	27th	65·2	2nd	26·8
	Karwar	44	29·930*	+·015	29·909*	29·990	21st	29·852	1st	·138	73·1	86·8	−1·0	70·5	−2·5	78·7	-1·8	16·3	89·8	27th	61·5	2nd	28·3
27	Malegaon	1,430	28·546	+·026	29·960	28·642	13th	28·431	31st	·211	71·6	95·2	−2·1	59·1	−4·5	77·2	−3·3	36·1	104·4	31st	42·6	2nd	61·8
	Ahmednagar	2,154	27·825*	+·031	29·914*	27·915	13th	27·728	31st	·187	74·4	94·3	+0·5?	62·9	+0·4?	78·6	+0·5?	31·4	101·4	31st	49·5	3rd	51·9
	Poona	1,846	28·124	+·011	29·954	28·206	12th	28·026	31st	180	70·6	95·9	−1·8	60·6	−3·3	78·3	-2·6	35·3	101·5	31st	44·8	2nd	56·7
	Sholapur	1,590	28·355	+·005?	29·907	28·439	12th	28·264	31st	·175	77·7	98·4	−2·0	68·0	−1·3	83·2	−1·7	30·4	102·3	20th	58·4	1st	43·9
	Bijapur	*1,948*	28·009	+·022	29·910	28·092	21st	27·916	31st	·176	77·2	96·9	+0·5	68·7	−1·9	82·8	−0·7	28·2	100·2	18th & 20th.	61·2	2nd	39·0
	Belgaum	2,539	27·427	+·011	29·908	27·498	12th & 21st.	27·335	1st	·163	74·3	92·6	−1·3	62·1	−2·1	77·4	−1·7	30·5	96·3	19th	51·6	1st	44·7
	X.—Central India.																						
21	Neemuch	1,624	28·351	+·040	29·975	28·470	13th	28·215	31st	·255	69·9	88·1	−3·3	58·2	−3·3	73·2	−3·3	29·9	99·5	30th	42·7	1st	56·8
	Indore	1,823	28·153	+·042	29·971	28·274	13th	28·025	31st	·249	70·0	89·5	−3·0	57·3	−3·1	73·4	−3·1	32·2	103·1	31st	45·1	2nd	58·0
22	Nowgong	754	29·203*	+·034	29·945*	29·320	13th	29·027	31st	·293	66·8	89·5	−2·9	58·2	−2·6	73·9	−2·8	31·3	105·0	31st	47·0	2nd	58·0
	Sutna	1,040	28·903	+·027	29·937	29·005	10th	28·737	31st	·268	69·6	80·4	−0·9	61·0	−0·2	75·7	−0·6	29·4	104·0	31st	52·7	2nd & 3rd.	51·3
	XI.—Central Provinces.																						
23	Buldana	2,132	27·860		29·948	27·944	13th	27·747	31st	·197	76·4	91·0		67·4		79·2		23·6	99·7	31st	57·5	2nd	42·2
	Akola	930	29·027	+·027	29·932	29·127	13th	28·902	31st	·225	73·1	96·8	−2·4	63·1	−2·9	80·1	−2·7	33·7	105·7	31st	41·6	2nd	64·1
	Amraoti	1,215	28·746*	+·039	29·933*	28·846	21st	28·626	31st	·220	75·6	95·1	−3·0	67·1*	−2·1	81·1*	−2·6	28·0	103·8	31st	54·8	1st	49·0
24	Khandwa	1,044	28·916	+·026	29·951	29·049	13th	28·772	31st	·277	68·4	94·2	−3·4	60·8	−4·1	77·5	−3·8	32·4	105·7	31st	45·1	2nd	60·6
	Hoshangabad	1,006	28·973	+·041	29·970	29·106	13th	28·815	31st	·291	69·5	92·5	−3·2	61·1	−3·5	76·8	−3·4	31·4	103·6	31st	48·9	1st	54·7
	Saugor	1,807	28·154	+·036	29·949	28·268	13th	28·013	1st	·255	71·7	88·6	−3·5	63·7	−0·8	76·1	−2·2	24·9	101·1	31st	52·5	2nd	48·6
	Jubbulpore	1,327	28·624	+·029	29·950	28·741	13th	28·491	31st	·250	67·6	90·6	−2·2	58·4	−2·4	74·5	−2·3	32·2	102·0	31st	47·8	3rd	54·2
	Seoni	2,033	27·935	+·033	29·954	28·034	13th	27·821	1st	·213	70·5	90·9	−2·3	56·9	−6·6	73·9	−1·5	34·0	100·3	31st	46·5	1st	53·8
	Nagpur	1,017	28·939	+·035	29·923	29·027	13th	28·807	31st	·220	73·6	95·3	−3·0	65·5	−2·3	80·4	−2·7	29·8	104·6	31st	55·1	3rd	49·5
25	Pendra	2,123?	27·925		29·936	28·012	25th	27·767	1st	·245	72·2	88·7		61·9		75·3		26·8	98·8	31st	53·2	3rd	45·6
	Raipur	970	28·981*	+·031	29·924*	29·054	13th & 21st.	28·851	31st	·203	72·9	94·0	−2·5	62·4	−6·2	78·2	-4·4	31·6	102·7	31st	53·4	2nd, 3rd & 4th.	49·3
	Chanda	*634*	29·321	+·033	29·912	29·419	21st	29·196	31st	·223	77·4	97·6	−2·1	66·5	−0·5	82·1	−1·3	31·1	105·0	31st	50·5	2nd	54·5
	XII.—Hyderabad.																						
28	Aurangabad	1,905	28·062?		29·949*	28·153	21st	27·995	31st	·158	78·2	94·3		65·9		80·1		28·4	102·2	31st	50·2	3rd	52·0
	Nizamabad	1,260	28·712		29·929	28·782	21	28·607	31st	·175	80·1	99·2		67·0		83·1		32·2	102·9	4 days	56·2	6th	46·7

N.B.—Elevations in italics indicate barometrical determinations.

‖ Observations of 30 days. * Mean of 30 days. †† „ 28 „

Note.—The barometric readings are not reduced to sea level, in the cases of hill or plateau

† Observations of 29 days.

B—*continued.*

in India, etc., in March, 1908—continued.

Wind Direction. Number of winds from Calms	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal, in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 31st March 1908.	Normal rainfall for period, 1st Dec. to 31st Mar.	Departure from normal of period, 1st Dec. 1907 to 31st March 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IX.—Bombay —*concld.*
2	4	3	8			1	4	7	2	N 17° W				13		59		·473		0		0			0			0			0	Jamnagar.
	8	1					6	16		N 40° W		12·5		86		67		·579		1·4		0			0			0·11			0	Dwarka.
6	7	5	1				2	10		N 15° W	N 25° W	6·5	7·7	−1·2	62	+ 8	47*	−17	·370*	−·144	0·1	−2·0	0	0	0	0	0	0	0·31	0·17	+ 0·14	0	Rajkot.
5	12	3					1	10		N 16° W	N 13° W	10·3	7·7	+2·6	72	+ 7	64	+ 2	·491	−·021	0·6	−1·2	0	0	0	0	0	0	0·15	0·10	+ 0·05	0	Veraval.
1	7	1		1		1	1	19		N 35° W	N 35° W	5·1	8·6	−3·5	77	+12	45	−15	·365	−·133	1·3	0	0	0·10	− 0·10	0	0·08	− 0·08	0·08	0·29	− 0·21	0	Bhavnagar Para.
4	15	3			3	2		4		N 8° W	N 46° W	4·5	6·1	−2·1	53	+17	53	−10	·443	−·113	0·8	−0·4	0	0	0	0	0	0	0·32	0·14	+ 0·18	0	Surat.
1	12	5	5					7		N 10° E	N 1° E	4·8 ‡	4·7	+0·1	69	+ 5	36	− 7	·296	−·080	1·4	−0·6	0	0	0	0	0·06	− 0·06	0·10	0·30	− 0·20	0	Ahmedabad.
	12	7	4	1	2		1	4		N 18° E	N 40° E	10·3 ‡	10·9	−0·6	59	+ 5	71	− 4	·621	−·081	1·6	−0·2	0	0	0	0·06	0·02	+ 0·04	0·22	0·20	+ 0·02	0·06	Bombay.
3	10	6	4	5				3		N 37° E	N 22° E	10·6	8·3	+2·3	53	+31	64	− 5	·607	−·071	1·0	−0·4	0	0·10	− 0·10	0	0·01	− 0·01	0·09	0·24	− 0·15	0	Ratnagiri.
1	1	6	19		1		2	1		N 76° E	N 58° E		6·3		69	+19	77	+ 1	·721	−·044	2·2	+0·2	0			0	0	0	0·07	0·31	− 0·24	0	Goa.
4	8	6	5	2		2	1	1		N 37° E	N 72° E	§‡ 8·7	9·0	−0·3	46	+21	79	0	·762	−·039	2·1	−0·1	0			0	0	0	0	0·05	− 0·05	0	Mormugao.*
20	6	3			1			1		N 10° E	N 43° E	§‡ 5·4	4·6	+0·8	27	−34	85	+ 3	·698	−·028	1·4	−0·1	0	0	0	0	0	0	0	0·18	− 0·18	0	Karwar.
24	2					1	1	3		N 48° W	N 66° W	5·5	7·7	−2·2	17	−48	27	−26	·218	−·219?	0·5	−1·2	2	0·10	+ 1·90	0·45	0·04	+ 0·41	0·45	0·44	+ 0·01	0·29	Malegaon.
2	5	1	3		1			19		N 28° W	N 1° W	§‡ 9·2	9·1	+0·1	69	+19	24	−32	·220	−·291?	1·5	+0·4	1	0·30	+ 0·70	0·25	0·32	− 0·07	0·25	1·23	− 0·98	0·25	Ahmednagar.
18	1	2		2			4	3		N 47° W	S 87° W	§‡ 6·4	8·5	−2·1	13	−20	36	− 5	·275	−·062	1·8	+0·6	1	0·30	+ 0·70	0·19	0·04	+ 0·15	0·19	0·33	− 0·14	0·19	Poona.**
1	4	3	1	13	2		1	6		S 83° E	N 14° E	9·1	7·9	+1·2	23	+ 1	30	− 5	·290	−·057	1·4	+0·1	0	0·60	− 0·60	0·06	2·26	− 0·20	0·06	0·79	− 0·73	0·06	Sholapur.
1	3	2	2	3	2	2	4	12		N 49° W	N 34° W	5·8 ‡	4·9	+0·9	33	− 7	33	−22	·312	−·221?	1·5	+0·4	0	0·70	− 0·70	0·01	0·49	− 0·48	0·41	0·59	− 0·18	0·01	Bijapur.
28			1	1				1		E	N 8° E	5·6	11·3	−5·7	3	− 8	43	− 5	·364	−·032	1·9	+1·0	1	0·90	+ 0·10	0·10	0·43	− 0·33	0·13	0·62	− 0·49	0·10	Belgaum.
																																X.—Central India.
5	13	6	3	1				3		N 17° E	S 34° E	5·4 *	7·8	−2·4	66	+41	32	− 5	·248	−·048	1·0	−0·8	0	0·10	− 0·10	0	0·04	− 0·04	0·34	0·70	− 0·36	0	Neemuch.
7		12	3	4	2	1	1	1		N 73° E	N 7° W	3·7	3·4	+0·3	43	+14	38	− 2	·300	−·020	2·8	+1·5	0	0·10	− 0·10	0·05	0·04	+ 0·01	0·33	0·55	− 0·22	0·03	Indore.
10	1		1	1	7	4	6	1		S 42° W	S 80° W	2·2	2·5	−0·3	40	− 3	46	− 4	·314	−·046	2·2	+0·7	1	0·70	+ 0·30	0·61	0·22	+ 0·39	1·69	1·96	− 0·27	0·59	Nowgong
10			3	1	1	2	8	6		N 83° W	N 54° W	3·4	5·4	−2·1	33	−24	40	0	·302	−·002	3·9	+2·6	0	1·00	− 1·00	0	0·43	− 0·43	1·55	2·43	− 0·88	0	Sutna.
																																XI.—Central Provinces.
	5	2	8	2	3	1	4	6		N 18° E		7·1	7·4	−0·3	19		22		·194		1·7		2			0·56	0·15	− 0·41	¶ 0·56	1·26	− 0·70	0·30	Buldana.
7	2	3	5	5		1	6	2		N 62° E	N 45° W	5·2	4·8	+ 0·4	10	− 1	32	− 3	·272	−·036	2·1	+0·4	2	0·90	+ 1·10	0·79	0·43	+ 0·36	0·79	1·68	− 0·89	0·55	Akola.
	3	10	10	2	1	2	2	1		N 64° E	N 72° E	6·6	4·8	+1·8	49	+27	26	−13	·243	−·125	2·1	+0·7	3	0·80	+ 2·20	1·06	0·32	+ 0·74	1·06	1·45	− 0·39	0·68	Amraoti.
16	1	2	1	4	1		1	5		N 18° E	N 40° E	5·4	5·0	+ 0·4	7	−22	32	− 3	·237	−·053	2·8	+1·7	2	0·30	+ 1·70	1·22	0·12	+ 1·10	1·22	0·86	+ 0·36	0·61	Khandwa.
11		3	7	4	2	2	2			S 64° E	N 63° E	3·3	2·6	+ 0·7	33	+ 8	38	− 8	·281	−·057	1·9	+0·2	2	0·40	+ 1·60	0·76	0·18	+ 0·58	0·83	1·24	− 0·41	0·40	Hoshangabad.
4		4	3	10	1	6	2	1		S 34° E	S 69° E	5·7	4·2	+1·5		+19	§§ 26	−13	§§ ·192	−·115	1·9	+0·4	2	0·60	+ 1·40	0·67	0·29	+ 0·38	1·37	2·04	− 0·67	0·42	Saugor.
12	2	2	1	7	3	1	1	2		S 48° E	S 23° E	2·5	2·7	−0·2	20	− 9	39	− 9	·267	−·090	2·1	+0·3	3	1·20	+ 1·80	0·44	0·43	+ 0·01	1·48	2·04	− 0·56	0·21	Jubbulpore.
6	6	9	2	1		1	2	3		N 22° E	N 37° E	6·0	3·2	+2·8	46	+19	39	− 8	·288	−·094	2·1	+0·2	1	1·70	− 0·70	0·58	0·59	− 0·01	1·22	2·52	− 1·30	0·48	Seoni.
5	11	8			2	4	2	5		N	N 14° E	4·3	4·9	−0·6	65	+33	33	− 8	·276	−·103	2·2	+0·3	3	1·10	+1·90	0·73	0·48	+ 0·25	1·40	1·77	− 0·37	0·39	Nagpur.
9	6	3			2	4	1	6		N 39° W		6·0			33		29		·230		1·7		0			0·14			2·8			0·06	Pendra.
13	2	7	2			4	3			N 15° E	N 59° W	5·9	4·9	+1·0	13	+ 2	36	− 6	·289	−·080	1·2	−1·0	0	1·80	− 1·80	0·05	0·65	− 0·60	3·07	1·45	+ 1·62	0·05	Raipur.
10	3	4	3	3	2	2	1	3		N 54° E	N 46° E	3·7	3·0	+0·7	10	−22	37	−10	·370	−·064	1·7	+0·2	0	1·40	− 1·40	0·01	1·19	− 1·18	1·68	2·32	− 0·64	0·01	Chanda.
																																XII.—Hyderabad.
7	3	7	3	3	2			1		N 72° E		10·1			49		34		·312		1·1		1	0·50	+ 0·50	0·23	0·25	− 0·02	0·23	1·01	− 0·78	0·23	Aurangabad
27		2	1					1		N 45° E		3·4			3		51		·534		1·4		0	0·80	− 0·80	0·05	0·63	− 0·58	2·03	1·28	+ 0·75	0·05	Nizamabad.

stations, the elevations of which exceed 3,200 feet.

‡ Uncorrected.

§ Mean of 28 days.

§§ „ 29 „

** Wind observations of 30 days.

¶ Rainfall since 1st January.

Table

(2) Abstract of observations taken at 8 hrs., at 237 stations

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XII.—Hyderabad—*concld.*																						
28	Bidar	*2,165*	27·806		29·912	27·891	21st	27·714	1st	·177	79·2	94·6		71·1		82·9		23·5	98·4	18th	61·0	26th	37·4
29	Gulbarga	1,503	28·462	+·033	29·920*	28·558	12th	28·389	2nd	·169	79·4	98·7	−0·5	69·4	−1·3	84·1	−0·9	29·3	103·0	15th, 17th & 19th.	58·3	2nd	44·7
	Raichur	*1,311*	28·644	+·038	29·911	28·741	21st	28·562	31st	·179	79·3	97·2	−1·6	72·2	−1·8	84·7	−1·7	25·0	101·1	17th, 18th & 19th.	62·1	2nd	39·0
	Hyderabad (Deccan)	1,690	28·270	+·032	29·927	28·368	21st	28·173	1st	·195	75·2	96·4	−1·5	68·7	−0·5	82·6	−1·2	27·7	100·3	31st	61·7	2nd	38·6
	Hanumkonda	871	29·074		29·905	29·174	21st	28·972	31st	·202	75·8	95·9		70·5		83·2		25·4	101·5	31st	65·7	2nd	35·8
	XIII.—Mysore.																						
30	Chitaldroog	2,405	27·573	+·017	29·910	27·648	12th	27·477	1st	·171	77·3	94·0	−0·4	68·7	−1·5	81·4	−1·0	25·3	97·1	17th & 19th.	61·4	7th	35·7
	Hassan	3,149	26·881	+·029	29·958	26·957	12th	26·798	1st	·159	70·7	90·3	−0·7	62·0	−0·3	76·2	−0·5	28·3	93·5	19th	54·5	7th	39·1
	Bangalore	3,021	26·997	+·011	29·946	27·073	21st	26·905	1st	·168	71·9	90·6	−0·1	62·8	−1·9	76·8	−1·0	27·8	93·8	17th & 18th.	52·3	5th	41·5
	Mysore	2,518	27·483	+·020	29·945	27·549	12th	27·400	1st	·149	74·0	92·8	−0·7	66·7	−0·5	79·8	−0·6	26·1	95·5	18th	60·5	5th	35·0
	XIV.—Madras.																						
31	Mangalore*	65	29·905	+·004	29·902	29·977	13th	29·842	30th & 31st.	·135	81·4	88·0	−1·4	75·0	−1·0	81·5	−1·2	13·0	90·7	21st	68·4	2nd	22·3
	Calicut	27	29·947	+·012	29·903	30·016	12th	29·866	1st	·150	80·1	89·7	−0·6	75·0	−1·1	82·4	−0·9	14·7	92·3	30th	69·1	1st	23·2
	Cochin	9	29·962	+·010	29·900	30·033	13th	29·901	1st	·132	80·7	91·2	0	76·8	−0·2	84·0	−0·1	14·4	93·7	9th	73·2	5th & 27th.	20·5
	Trivandrum	188	29·764	+·027	29·894	29·845	12th	29·681	31st	·164	79·3	86·7	−0·4	75·4	+0·7	81·1	+0·2	11·3	88·5	22nd	72·5	5th	16·0
32	Tinnevelly	168	29·823	+·039	29·922	29·909	12th	29·732	1st	·177	80·4	93·5	−3·0	74·4	−1·2	83·9	−2·1	19·1	98·3	9th	68·9	11th	29·4
	Pamban	37	29·931*	+·016	29·895*	30·015	12th	29·842	31st	·173	81·1	88·4	−0·4	75·7	−0·4	82·1	−0·4	12·7	91·3	18th, 21st & 27th.	71·2	3rd & 4th.	20·1
	Madura	447	29·550	+·032	29·938	29·632	12th	29·463	31st	·169	79·8	94·1*	−2·7	72·3	−0·5	83·2*	−1·6	21·8	96·9	15th	67·1	11th	29·8
	Periyakulam	944	29·042		29·938	29·130	12th	28·955	2nd	·175	75·9	92·6		68·8		80·2		23·8	97·1	16th	57·9	11th	39·2
	Pudukkottai*	318	29·676		29·929	29·762	12th	29·584	1st	·178	79·1	94·5		72·5		83·5		22·0	97·8	15th	66·8	10th	31·0
	Negapatam	31	29·945	+·007	29·905	30·027	12th	29·852	1st	·175	80·4	89·4	+0·7	75·3	−0·2	82·4	+0·3	14·1	95·4	11th	68·0	10th	27·4
	Trichinopoly	256	29·744	+·025	29·934	29·832	12th	29·652	1st	·180	79·6	95·5	−2·4	71·8	−1·0	83·7	−1·7	23·7	99·1	11th	62·3	11th	36·8
	Coimbatore	1,318	28·631	+·009	29·941	28·713	21st	28·537	1st	·176	75·3	93·8	−2·4	68·7	−1·1	81·3	−1·8	25·1	97·4	16th & 17th.	62·3	9th	35·1
	Salem	940	29·063	+·009	29·952	29·147	12th	28·960	1st	·187	77·6	96·9	−1·7	70·5	−0·3	83·7	−1·0	26·4	100·2	17th	60·9	11th	39·3
	Cuddalore	37	29·946	+·030	29·913	30·042	12th	29·853	1st	·189	77·7	88·8	−0·5	71·5	−0·7	80·1	−0·6	17·3	96·1	11th	63·2	8th	32·9
	Vellore	707	29·283		29·945	29·386	12th	29·185	1st	·201	74·4	94·5		73·5		84·0		21·0	104·2	20th	63·4	7th	40·8
	Madras	22	29·969	+·017	29·922	30·071	12th	29·870	1st	·201	78·8	89·9	−0·1	71·0	−1·2	80·5	−0·7	18·9	97·5	11th	62·0	9th	35·5
33	Cuddapah	433	29·528	+·031	29·903	29·633	12th	29·413	1st	·220	80·3	100·9	−0·8	72·2	−2·8	86·5	−1·8	28·7	107·7	10th	64·1	5th	43·6
	Bellary	1,475	28·475	+·015	29·909	28·566	12th	28·381	31st	·185	76·8	99·6	−0·7	70·0	−2·1	84·8	−1·4	29·6	103·0	17th, 18th 31st.	63·3	8th	39·7
	Kurnool	923	29·028	+·028	29·909	29·110	21st	28·926	1st	·184	76·0	99·5	−1·4	69·4	−2·1	84·5	−1·8	30·1	102·7	31st	62·6	2nd	40·1
34	Nellore	61	29·925	+·048	29·920	30·039	12th	29·809	1st & 31st.	·230	77·1	93·0	−3·2?	70·8	−1·6	81·9	−2·4?	22·2	98·3	10th	64·6	7th	33·7
	Masulipatam	15	29·989	+·042	29·939	30·091	12th	29·880	1st	·211	78·4	90·0?	−1·1	69·8	−2·5	79·8?	−1·8	20·2	95·6	12th	63·1	6th & 7th	32·5
	Cocanada	26	29·961	+·027	29·923	30·061	21st	29·851	1st	·210	78·2	92·4	+0·7	71·9	−1·6	82·2	−0·5	20·5	99·1	8th & 31st.	68·0	1st	31·1
	Waltair (Vizag.)	*226*	29·741	+·010?	29·911	29·844	20th	29·628	31st	·216	78·8	86·5		74·0		80·3		12·5	95·4	9th	70·4	1st & 6th.	25·0
	Calingapatam	19	29·956		29·914	30·055	20th	29·834	31st	·221													
	Gopalpur	72	29·889*	+·035	29·903*	29·979	12th, 20th & 21st.	29·754	1st & 31st.	·225	75·9	86·1	−0·5	71·7	−1·5	78·9	−1·0	14·4	89·7	8th	66·0	5th	23·7

N.B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,000 feet.

* Mean of 30 days.
† " 28 "

3—continued.

n India, etc., in March, 1908.—continued.

Wind Direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 31st March 1908.	Normal rainfall for period, 1st Dec. to 31st March.	Departure from normal of period, 1st Dec. 1907 to 31st March 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																XII.—Hyderabad—*concld.*
3	4	2		2	5	12	2	1	S 42° W		4·0			39		48		·480		1·0		0	1·40	− 1·40	0·03	0·50	− 0·47	0·71	1·22	− 0·51	0·03	Bidar.
2		8	5	4	7	3	1	1	S 59° E	N 79° E	8·2	7·9	+0·3	40	+19	28	−15	·283	−·158	1·0	0	1	0·80	+ 0·20	0·18	0·52	− 0·34	0·46	0·88	− 0·42	0·18	Gulbarga.
6		3	3	10	3	5	1		S 34° E	S 3° W	8·5	7·2	+1·3	46	+18	46	− 3	·467	−·033	2·2	+0·8	1	0·70	+ 0·30	0·45	0·44	+ 0·01	0·50	0·68	− 0·18	0·45	Raichur.
31									(*a*)	S 47° E	0	4·2	−4·2			48	− 9	·410	−·112	2·1	+0·9	2			0·22	0·58	− 0·36	1·02	0·96	+ 0·06	0·12	Hyderabad (Deccan).
7				17	4		1	2	S 34° E		7·0†			59		55		·493		2·7		0	0·70	− 0·70	0			3·66			0	Hanumakonda.
																																XIII.—Mysore.
9	1		4	6		5	3	3	S 5° W	S 56° W	4·5	6·4	−1·9	15	−22	43	− 8	·405	−·085	1·8	+0·7	1	0·50	+ 0·50	0·40	0·34	+ 0·06	1·43	0·51	+ 0·92	0·40	Chitaldroog.
11	1	1	5	3	2	2	4	2	S 27° E	S 37° E	4·3	3·0	+1·3	6	−17	71	+ 4	·536	−·012	3·5	+1·5	0	0·90	− 0·90	0·03	0·38	− 0·35	0·84	0·62	+ 0·22	0·03	Hassan.
1			7	13	6	2	2		S 37° E	S 12° E	7·5	4·9	+3·5	69	+19	60	− 6	·473	−·070	2·1	+0·5	0	1·00	− 1·00	0·06	0·48	− 0·42	4·56	1·19	+ 3·37	0·03	Bangalore.
3	1	3	3	5	7	6	3		S 7° E	S 39° W	6·9	8·0	−1·1	40	+ 2	70	+ 2	·586	+·008	4·1	+2·5	1	1·00	0	0·20	0·23	− 0·03	1·45	0·62	+ 0·83	0·20	Mysore.
																																XIV.—Madras.
13	1	8	6	1				1	N 60° E	N 70° E	4·5§	3·0	+1·5	43	+ 3	73	− 5	·788	−·020	2·8	+0·4	0	0·20	− 0·20	0	0·07	− 0·07	0·52	0·60	−0·08	0	Mangalore.
4	4	12	8	3					N 61° E	N 42° E	7·6	10·5	−2·9	69	+22	79	+ 3	·811	−·001	1·5	−0·5	0	0·90	− 0·90	0	0·58	− 0·58	1·50	1·89	− 0·39	0	Calicut.
2	2	11	12	4					N 72° E	N 31° E	7·6§	6·8	+0·8	79	+ 4	73	− 4	·766	−·082	3·1	+1·0	3	2·60	+ 0·40	1·38	2·15	− 0·77	3·65	5 22	− 1·57	0·91	Cochin.
22	2	4	3						N 50° E	N 24° E	2·9§	5·5	−2·6	27	−20	78	+ 1	·789	−·006	1·8	−0·6	4	2·60	+ 1·40	0·75	1·78	− 1·03	6·73	5·29	+ 1·44	0·30	Trivandrum.
9	10	5				1	3	3	N 9° W	N 25° W	4·3	4·7	−0·4	49	−11	75	+ 2	·777	+·012	3·7	+1·4	3	2·30	+ 0·70	2·26	1·03	+ 1·23	7·68	7·28	+ 0·40	0·84	Tinnevelly.
3		11	12	2				1	N 72° E	S 87° E	7·6	7·4	+0·2	76	+ 7	81		·856		3·3		2	0·90	+ 1·10	0·69	0·72	− 0·03	9·22	13·09	− 3·87	0·29	Pamban.
1	8	8	5	2			1	6	N 23° E	N 28° E	6·1	3·8	+2·3	59	+ 9	73	0	·744	−·022	5·0	+2·8	3	1·00	+ 2·00	1·89	0 47	+ 1·42	4·05	3·09	+ 0·96	1·22	Madura.
25		1		2		2		1	S		2·1			5		67		·604		2·8		5	2·30	+ 2·70	5·19	1·73	+ 3·46	14·77	4 89	+ 9·88	2 38	Periyakulam.
3	5	8	2	1	3	3		5	N 21° E		7·0†			27		77		·777		4·3†		3			0·87			2·71			0·31	Pudukkottai.
		9	2	2	1	2	8	7	N 32° W	S 85° E	10·4	6·3	+4·1	30	− 6	77	0	·804	−·023	3·7	−0·5	1	0·50	+ 0·50	0·37	0·52	− 0·15	9·14	15·26	− 6·12	0·37	Negapatam.
13	2	6	7		2		1		N 67° E	N 31° E	2·9§	3·8	−0·9	37	+15	72	− 1	·746	−·001	4·2	+1·4	2	0·50	+ 1·50	1·48	0·41	+ 1·07	3·20	4·23	− 1·03	1·03	Trichinopoly.
12	4	11	4						N 45° E	N 84° E	3·8	2·9	+0·9	56	+16	69	−11	·594	−·136?	2·8	+0·2	2	1·10	+ 0·90	1·24	0·50	+ 0·74	6·79	2·25	+ 4·54	0·93	Coimbatore.
7		7	14	1	1	1			N 82° E	N 66° E	6·9	5 3	+1·6	62	+22	77	+ 6	·731	+·020	4·1	+2·4	1	1·20	− 0·20	0·34	0·71	− 0·37	2·46	2·53	− 0·07	0·34	Salem.
8	3	1	1	1	1	9	9		N 67° W	N 86° W	5·6	2·4	+3·2	53	+ 3	80	− 5	·773	−·092	4·5	+1·3	0	0·40	− 0·40	0	0·30	− 0·30	6·45	10·00	− 3·55	0	Cuddalore.
23	2			1			2	3	N 45° W		4·1			13		72		·637		2·1		0	0·30	− 0·30	0	0·19	− 0·19	1·44	3·69	− 2·25	0	Vellore.
12	2					9	6	2	S 29° W	S 25° W	3·8§	6·2	− 2·4	43	−11	80	+ 2	·798	−·012	2·8	+0·3	0	0·80	− 0·80	0	0·21	− 0·21	6 99	6·98	+ 0·01	0	Madras.
		3	0	9		7	2		S 21° E	S 72° E				33	−24	64	+ 6	·663	+·009	3·0	+1·8	0	0·20	− 0·20	0·02	0·04	− 0·02	0·80	1·41	− 0·61	0·02	Cuddapah.
11			1	5	8	5	1		S	S 45° E	4·0	4·6	−0·6	48	+37	42	− 8	·391	−·138	2·0	+0·6	1	0·50	+ 0·50	0·22	0·14	+ 0·08	1·00	0·36	+ 0·64	0·22	Bellary.
16	1		4	1	6		2	1	S 22° E	E	6·2*§			20	+ 9	60	+ 7	·543	−·003	1·6	+0·4	0	0·60	− 0·60	0·05	0·41	− 0·36	1·05	0·62	+ 0·43	0·05	Kurnool.
3			3	10	15				S 24° E	S 32° E	5·4§	6·4	−1·0	79	+11	82	+ 1	·771	−·052	3·5	+0·9	0	0·30	− 0·30	0	0·08	− 0·08	11·04	2·37	+ 8·67	0	Nellore.
10			1	3	14	2		1	S 3° E	S 20° E	5·1	5·5	−0·4	56	+13	81	+ 1	·813	−·044?	4·3	+1·6	0	0·40	− 0·40	0	0·12	− 0·12	4·86	1·19	+ 3·67	0	Masulipatam.
9	2	1		1		3	6	10	N 64° W	N 52° W	5·5	6 5	−1·0	49	+ 6	76*	+ 1	·712*	−·009	5·4	+2·9	0	0·70	− 0·70	0	0·47	− 0·47	4·61	1·75	+ 2·86	0	Cocanada.
1						9	21		S 77° W	S 88° W	10·2			92	+17	67	− 5	·647	−·095	3·5	+0·8	0	0·60	− 0·60	0	0·32	− 0·32	7·33	2·45	+ 4·88	0	Waltair (Vizag.).
		2			1	14	9	5	S 74° W		6·8			71						2·4		0			0			2·33			0	Calingapatam.
5	3		1			9	2	6	N 62° W	S 89° W	12·4	13·9	−1·5	43	+ 1	77	− 1	·685	−·055	2·1	−0·4	0	1·00	−1·00	0·11	0·65	− 0·54	4·07	2·00	+ 2·07	0·04	Gopalpur.

* Mean of 30 days. † Mean of 28 days. § Uncorrected. (*a*) Indeterminate.

Tabl

(2) *Abstract of observations taken at 8 hrs., at 237 stations*

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of Air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Stations in the Bay.																						
1	P. V. Fraser	*8*					Observations not received.																
	Car Nicobar	25	P		P	P	P	P	P	P	84·3	89·3		78·9		84·1		10·4	91·7	28th	74·6	8th	17·1
	Port Blair	61	29·912	+·010	29·904	30·002	21st	29·813	1st	·189	78·6	89·3	−1·8	75·8	−0·8	82·5	−1·3	13·5	92·2	28th & 31st,	70·0	6th	22·2
	Slipper Island	90	29·865		29·889	29·979	21st	29·741	6th	·238	80·1	87·5		76·6		82·1		10·9	90·1	27th, 29th & 31st.	74·1	10th	16·1
	Kashmir.																						
14	Srinagar	5,204	24·947	+·017	24·913	25·118	25th	24·607	1st	·511	40·2	60·8	+5·4	36·3	−0·8	48·6	+2·3	24·5	75·1	28th	27·1	9th	48·0
	Gulmarg	*8,569*					Observations not received.																
	Sonemarg	*8,764*	21·792¶		21·760¶	21·963	27th	21·483	1st	·480	25·0	42·4		20·1		31·3		22·3	57·9	31st	3·1	8th	54·8
	Dras	*10,059*	20·802		20·770	21·036	26th	20·377	1st	·659	14·2	33·9		6·2		20·1		27·7	46·9	31st	−18·0	10th	64·9
	Leh	11,503	19·676	−·016	19·644	19·923	26th	19·271	1st	·652	29·1	46·7	+3·6	21·5	+0·4	34·1	+2·0	25·2	67·1	29th	11·5	8th & 13th,	55·6
	Skardu	*7,505*	22·910		22·880	23·135	26th	22·552	1st	·583	38·3	54·8		25·0		44·9		19·8	69·9	31st	25·6	13th	44·3
	Minimarg	*9,359*	21·363		21·331	21·573	27th	20·987	1st	·586	35·8	44·9		18·9		31·8		26·0	61·5	20th	−3·5	3rd	65·0
	Astor	*7,955*	22·580		22·550	22·794	26th	22·208	1st	·586	34·0	49·6		30·3		40·0		19·3	68·4	31st	18·5	13th	49·9
	Gilgit	4,890	25·198		25·171	25·390	26th	24·838	1st	·552	50·3	62·1	+0·4	45·6	+0·3	53·9	+0·4	16·5	76·7	27th	34·2	1st	42·5
	Baluchistan.																						
16	Quetta	5,502	24·692	+·039	24·652	24·787	12th	24·507	1st	·280	45·7	60·6	−3·7	36·1	−3·9	48·5	−3·8	24·7	81·6	28th & 29th.	18·8	6th & 8th.	62·1
	Chaman	4,311	25·763	+·047	25·725	25·898	12th	25·563	2nd	·335	51·4	63·0¶	−3·6	43·2	−0·9	52·8¶	−2·3	19·8	83·8	29th	20·8	5th	63·0
	Robat		26·974		26·932	27·215	6th	26·718	17th	·497	56·8	72·2		48·3		60·3		23·9	94·0	27th	23·7	6th	70·3
	Hill Stations excluding Kashmir and Baluchistan.																						
	Chitral	*5,486*	25·240§			25·370	25th & 26th,	24·990	1st	·380	42·4	57·4		45·6‡		55·5‡		11·8	75·1	27th	37·0	24th	38·1
	Para Chinar	6,000	24·131		24·338	24·564	25th	24·170	1st	·394	45·2	59·2		37·8		48·5		21·4	73·9	31st	22·4	7th	51·5
	Cherat	*4,256*	25·739	·025	25·707	25·890	25th	25·479	1st	·411	52·1	61·5	0	47·6	−0·3	54·6	−0·2	13·9	78·1	25th	32·0	7th	46·1
	Murree	6,333	23·876	+·029	23·844	24·018	27th	23·594	1st	·424	48·3	55·9	−2·4	43·1	−0·2	49·5	−1·3	12·8	70·5	29th	28·5	3rd	42·0
	Kailang	*10,087*	20·977		20·942	21·176	27th	20·677	1st	·499	30·2	42·7	+1·2	23·3	+1·7	33·0	+1·5	19·4	62·0	31st	9·0	2nd	53·0
	Simla	7,224	23·137	+·032	23·099	23·284	21st	22·893	1st	·391	48·8	56·6	+0·2	43·6	−2·4	50·1	−1·1	13·0	68·6	31st	32·1	2nd	36·5
	Sarain		23·192			23·325	27th	22·963	1st	·362	43·2	56·7		34·8		45·8		21·9	72·0	31st	26·0	2nd	46·0
	Kalabagh							Register not received.															
	Chakrata	7,022	23·321	+·028	23·281	23·455	21st	23·101	1st	·354	49·2	63·9	+2·2	43·9	−0·4	53·9	+0·9	20·0	76·3	31st	31·7	2nd	44·6
	Muktesar	7,556	22·901		22·880	23·044	27th	22·682	1st	·362	50·2	61·5		44·1		52·8		17·4	76·5	31st	29·9	1st	46·6
	Darjeeling	7,376	23·039	+·034	22·995	23·180	20th	22·842	6th	·338	50·2	58·0	+1·5	43·4	+1·1	50·7	+1·3	14·6	65·8	31st	30·7	6th	35·1
	Shillong	4,920	25·156		25·108	25·293	20th	24·939	6th	·354	62·0	72·5		51·5¶		61·5¶		21·0	77·9	29th & 30th,	41·2	15th	36·7
	Cherra Poonjee	4,309	25·762		25·713	25·895	21st	25·560	6th	·335	62·8	69·9		55·3		62·6		14·6	78·7	31st	47·8	4th	30·9
	Maymyo	3,545	26·477		26·422	26·580	22nd	26·336	6th	·244	62·9	82·0		52·6		67·3		29·4	87·9	29th	41·6	5th	46·3
	Pachmarhi	3,528	26·515	+·020	26·462	26·617	21st	26·373	1st	·244	65·3	82·4	−2·0	55·8	−4·6	69·1	−3·3	26·6	81·2	31st	42·1	13th	49·1
	Mount Abu	3,945	26·111	+·019	26·061	26·180	21st	25·975	1st	·205	66·8	75·1	−2·6	59·4	−2·1	67·3	−2·4	15·7	89·7	31st	47·4	8th & 9th,	49·2
	Mercara	3,781	26·281	+·015	26·214	26·342	21st	26·201	1st	·141	68·4	84·4	−0·2	60·9	−0·9	72·7	−0·6	23·5	88·0	16th & 23rd.	56·0	6th	32·0
	Ootacamund	*7,392*	23·074		23·010	23·111	12th & 13th,	23·007	1st	·104	56·9	67·1		44·8		56·0		22·3	71·5	13th	37·7	6th	33·8
	Kodaikanal	7,633	22·871		22·806	22·931	21st	22·794	1st	·137	56·5	67·5		50·0		58·8		17·5	72·5	17th	35·5	4th	37·0

N. B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 5,000 feet.

* Mean of 25 days. ¶ Mean of 30 days. ‡ " " 14 "

-continued.

India, etc., in March, 1908—continued.

Wind Direction.										Wind Velocity.			Wind Steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.								Heaviest rainfall during month.	Station.
Number of winds from									Resultant direction.	Normal direction.	Mean velocity in miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 31st March 1908.	Normal rainfall for period 1st Dec. to 31st March.	Departure from normal of period, 1st Dec. 1907 to 31st March 1908.		
N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																							
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																															Stations in the Bay.
														Observation not received.																	P. V. Fraser.
7	8	1					2	N 20° E		3·4			79		73		·859		9·7		4			0·98			11·26			0·38	CarNicobar.(b).
3	5	1	1			2	12	N 20° W	N 22° W	4·7†	4·2	+0·5	49	+9	83	0	·818	−·045	4·9	+2·1	0			0	0·40	−0·40	13·84	8·44	+5·40	0	Port Blair.
11	2		1			2	13	N 23° W		9·5			76		78		·801		3·9		0			0			14·29			0	Slipper Island.
																															Kashmir.
3			5	4	1	2	9	N 79° W	S 3° W	5·4	4·8	+0·6	20	+12	83	−6	·212	−·025	4·9	−1·0	6	6·60	−0·60	1·12	3·14	−2·02	5·28	10·34	−5·06	0·26	Srinagar.
														Observations not received.																	Gulmarg.
1	3	3	1	2		1		N 85° E		3·2			15		98		·140		5·6		12			5·99			29·22			1·80	Sonemarg.
								(a)		1·0					79		·077		4·0		3	10·80	−7·80	0·62	4·39	− 3·77	5·62	13·13	−7·51	0·18	Dras.
2	1	2	1	2	1	3		S 23° W	S 63° W	3·9†	2·0	+1·9	2	−18	41	−9	·071	−·006	5·6	−0·5	0	1·00	−1·00	0·05	0·22	− 0·17	0·61	1·07	−0·46	0·03	Leh.
				3	4	2		S 40° W		6·4			27		74		·169		5·6¶		0	2·70	−2·70	0	1·20	− 1·20	0·66	4·77	−4·11	0	Shardu.
		1	2	1				S 45° E		2·0			10		79		·117		5·7		12			6·52			25·11			1·10	Minimarg.
		1	1	8	3			S 2° W		4·4			35		59		·122		6·2		2			0·58			2·65			0·25	Astor.
					1	8		S 86° W		2·5			30		51	0	·199	+·020	7·2	+1·0	0	1·40	−1·40	0·02	0·59	− 0·57	0·43	1·05	−0·57	0·02	Gilgit.
																															Baluchistan
2	1	2	4	5	3	3		S 3° E	S 12° W	4·3	4·0	+0·3	23	+12	63	+ 1	·193	−·018	2·9	−0·1	3	4·00	−1·00	1·22	1·84	− 0·62	3·00	6·89	−3·89	0·58	Quetta.
		1	11	5	3	1	1	S 20° E	S 31° E	6·4¶	9·9	−3·5	49	−2	57	− 2	·235	−·024	3·5	−0·2	5	4·70	+0·30	2·27	1·31	+ 0·96	4·30	5·28	−0·98	0·85	Chaman.
4	6		1	1	1	7		N26° W		7·9			23		44		·216		1·6		2			0·27			2·35			0·17	Robat.
																															Hill Stations excluding Kashmir and Baluchistan.
		2						N 45° E		1·8			10		81		·231		3·7		4			1·05			4·73			0·35	Chitral.
						2		W		4·5			6		70		·218		4·5		8	9·00	−1·00	2·88	4·76	− 1·88	7·58	8·11	−0·53	0·80	Para Chinar.
27							2	N 3° W	N 10° W	7·1	14·2	−7·1	92	+36	52	− 4	·197	−·020	1·6	−3·3	2			0·60	3·79	− 3·19	7·37	10·17	−2·80	0·30	Cherat.
4		3	4	11			1	S 29° E	S 83° E	7·1	9·0	−1·9	33	+1	58	+ 4	·198	+·021	2·2	−2·7	4	4·90	−0·90	1·42	4·05	− 2·63	6·85	12·70	−5·85	0·40	Murree.
		1	3	8	9	6	4	S 41° W		1·2†	1·4	−0·2	58		66		·112		4·0		3			0·45	3·58	− 3·13	6·13	10·60	−4·47	0·14	Kailang.
13	1		1	13	1			S 45° E	N 34° W	6·2	5·7	+0·5	3	−12	36	− 8	·125	·021	3·4	−0·4	2	4·30	−2·30	1·14	2·07	− 0·93	6·82	9·01	−2·19	0·98	Simla.
	2	1	1	9	5			S 2° W		3·4			12		62		·173		4·0		4			0·86			4·35			0·38	Sarain.
																															Kalabagh.
														Register not received.																
17	1						5	N 7° W	N 13° E	9·0	7·1	+1·9	69	+30	45	− 6	·158	−·018	1·8	−1·0	0	4·50	−4·50	0·16	2·30	−2·14	8·77	11·39	−2·62	0·08	Chakrata.
1	2	6	2					N 75 °E		6·8			13		35		·130		2·5		1			0·30			6·01			0·17	Muktesar.
	6	4	4	1	4	5	2	S 58° E	S 37° E	5·9	7·5	+1·6	7	− 4	66	− 9	·243	−·008	3·7	0	6	3·35	+2·65	2·66	1·55	+ 1·11	4·68	3·50	+1·18	1·23	Darjeeling.
				2	16	6	1	S 55° W		7·7			72		39		·222		2·1		4	4·40	−0·40	1·08	1·82	− 0·74	3·43	3·42	+0·01	0·39	Shillong.
	2	2	1	2	15	7		S 48° W		8·7			59		56		·327		0·8		2	9·00	−7·00	0·35	13·83	−13·48	1·86	16·95	−15·09	0·20	Cherra Poonjee.
	1	1		1	1	1		S		2·1			3		67		·393		0·1		1	0·90	+0·10	0·18	0·34	− 0·16	2·81	1·15	+1·66	0·18	Maymyo.
1	3	3	2	2	2	3	3	N	N 3° W	5·5	5·0	+0·5	1	− 3	40	+ 5	·250	−·026	1·6	−0·5	4	0·90	+3.10	2·26	0·33	+ 1·93	2·78	1·92	+0·84	1·04	Pachmarhi.
2	4	1			5	3	8	N 50° W	N 23° W	6·3	7·2	−0·9	33	+ 4	34	−1	·230	−·002	2·7	+0·7	0	0·50	−0·50	0	0·13	− 0·13	0·71	0·96	−0·25	0	Mount Abu.
9	6				1		7	N 5° W	N 22° E	5·0	3·7	+1·3	56	+34	67	−1	·460	−·033	3·5	+0·6	1	2·00	−1·00	1·78	0·81	+ 0·97	2·77	1·48	+1·29	1·78	Mercara.
	4	14	10	1				S 77° E		3·9			79		46		·213		2·0		3	1·80	+1·20	0·99	1·00	− 0·01	3·90	3·38	+0·52	0·45	Ootacamund.
6		9	5	2			2	N 67° E		12·7†			56		50		·230		2·3		5	3·20	+1·80	3·44	3·59	− 0·15	11·52	11·81	−0·29	2·27	Kodaikanal.

† Uncorrected.

(a) Indeterminate.
(b) Wind observations of 19 days.

Table

(2) Abstract of observations taken at 8 hrs.

Number of sub division.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure 8 hrs. in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Extra India.																						
	Singapore (*a*)	10	29·861		29·892	30·045	12th	29·342	6th	·203	84·7	89·2		73·1		81·2		16·1	93·8	8th	71·0	15th	22·8
	Penang (*a*)	20	29·832		29·877	29·986	15th	29·856	24th	·140	83·2	92·1		74·1		83·1		18·0	94·0	4 days	71·0	5th	23·0
	Trincomalee	12	29·991?	+·051?	29·922?	30·004	12th	29·895	31st	·169	76·5	86·8	−1·2	75·3	−0·7	81·1	−1·0	11·5	89·5	30th	67·5	10th	22·0
	Colombo	40	29·917	−·009	29·881	29·998	13th	29·841	31st	·157	76·5	89·6	+0·2	74·5	−0·4	82·1	−0·1	15·1	91·5	22nd & 26th.	72·0	12th	19·5
	Minicoy	7	29·984		29·917	30·059	12th	29·900	31st	·159													
	Amini Divi	*13*	29·973	+·018	29·914	30·053	13th	29·897	31st	·156	82·9	89·6	+1·5	77·3	−0·9	83·5	+0·3	12·3	93·0	20th	69·9	2nd	23·1
	Gyantse	13,120	18·600 ††			18·692	27th	18·489	23rd	·203	32·0	53·8		18·2		36·0		35·6	68·1	31st	7·1	3rd	61·0
	Pharijong	14,400	17·845 **			18·040	29th	17·628	1st	·412	22·1	45·4		10·7		28·1		34·7	62·9	13th	0·1	2nd, 3rd, 6th.	62·8
	Gangtok	5,660?	24·491 §§			24·642	12th	24·300	6th	·342	55·4	66·1		48·6		57·4		17·5	75·1	30th	41·0	2nd	34·1
	Gartok	15,100?						Observatory not opened.															
	Kashgar (*c*)	4,255	25·623 **		**	25·850	9th	25·310	28th	·580	39·9	54·8	−1·5	33·8	−2·3	44·3	−1·9	21·0	78·2	30th	15·3	8th	62·9
	Kabul		24·297		24·266	24·421	22nd & 25th.	23·983	1st	·438	39·9	57·0	−0·1	34·2	−1·4	45·6	−0·8	22·8	75·7	30th	16·9	7th	58·8
	Meshed	3,104	26·860		26·838	27·184	5th	26·590	16th & 17th.	·594	38·3	55·5		29·3		42·4		26·2	79·4	26th	5·8	5th	73·6
	Jask*	13	30·026	+·038	29·993	30·255	7th	29·790	31st	·465	70·6	79·1	+0·4	65·9	−0·2	72·5	+0·1	13·2	90·3	31st	55·8	6th	34·5
	Muscat	20	30·036†	+·065	30·004†	30·224	7th	29·864	31st	·360	73·8†	80·9	+4·3	70·7	−1·3	75·8	+1·5	10·2	94·3	31st	61·6	8th	32·7
	Bahrein	18	30·053		30·025	30·245	10th	29·885	16th	·360	68·1	?		63·8		?		?	?	?	51·3	4th	?
	Bushire	14	30·004	+·017	29·977	30·206	10th	29·785	1st	·421	62·3	72·4	+0·1	59·3	+0·5	65·9	+0·3	13·1	92·6	25th	49·1	1st	49·5
	Busrah	25	30·075		30·060	30·301	10th	29·808	1st	·496	62·4	75·9		54·5		65·2		21·4	86·3	25th	41·1	10th	45·2
	Ispahan (*b*)	*5,817*	24·270			24·440	7th	24·050	2nd	·390	39·0	58·0	−3·0	35·9	−0·3	46·9	−1·7	22·1	72·4	26th	19·2	7th	53·2
	Tehran (*b*) †	*4,009*	25·929			26·300	7th	25·660	26th	·640	41·9	58·9	+1·6	37·9	−0·6	48·4	+0·5	21·0	72·5	29th	21·7	7th	50·8
	Baghdad †	220									55·8 (*d*)	73·2	+0·7	51·6	+3·3	62·4	+2·0	21·6	81·8	23rd	39·7	6th	42·1
	Beirut				(*d*) 29·994						59·8	66·3		53·9		60·1		12·4	78·6	31st	50·0	29th	28·6
	Aden	94	29·926	+·029	29·953	30·031	11th	29·843	3rd	·188	76·3	81·3	−3·1	74·5	−0·7	78·0	−1·9	6·8	85·8	2nd	69·4	3rd	16·4
	Perim	201	?	?	?	?	?	?	?	?	77·5	83·6	−1·8	74·4	−1·3	79·0	−1·6	9·2	85·1	22nd	72·4	2nd	12·7
	Zanzibar	72	29·910	+·004	29·909	29·977	13th	29·816	5th	·161	82·4	87·5	+1·2	79·6	+0·2	83·5	+0·7	7·9	91·3	6th	73·4	9th	17·9
	Do. Dunga	*154*	29·737		29·818	29·811	13th	29·655	4th & 5th.	·156	79·2	91·2†		78·6		84·9†		12·6	97·0	1st & 2nd.	74·8	24th	22·2

N.B.—Elevations in italics indicate barometrical determinations.

Note.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

(*a*) 9 hrs. observations. (*b*) Aneroid uncorrected. (*c*) Aneroid corrected. (*d*) 8½ hrs. observations.

* Mean of 29 days. ** Mean of 28 days.

† " " 20 " †† " " 11 "

§§ " " 20 "

B—*concluded.*

at 237 stations in India, etc., in March, 1908.—concluded.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 31st March 1908.	Normal rainfall for period, 1st Dec. to 31st Mar.	Departure from normal of period, 1st Dec. 1907 to 31st Mar., 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Extra India.
6	10	11				1		3	N 15° E		§5·7			66						4·5		8			5·42			29·14			2·23	Singapore.
	8	7	3	3	1			9	N 13° E		11·38			55						0·6		4			3·81			17·35			1·54	Penang.
20		5	3		2	1			N 82° E	S 37° W	1·3	5·6	-4·3	20	- 3	91	+10	·838	—·040	8·8	+6·4	5			2·06	1·45	+ 0·61	19·94	24·71	- 4·77	0·56	Trincomalee.
	4	8	8	2	1	1	3	4	N 43° E	S 58° E	§4·5	5·4	—0·9	43	+11	89	+15	·819	—·026	3·5	+0·6	6			3·88	4·95	- 0·57	10·96	16·73	— 5·77	0·95	Colombo.
	14	13						4	N 13° E	N 20° W	4·0	5·4	—1·4	87	+30					2·9		1			0·22	0·98	- 0·76	3·16	8·08	- 4·92	0·14	Minicoy.
	13	16	2						N 12° E					81		73	—1	·822	—·050	3·5	+0·5	0			0	0	0	1·20	0·51	+ 0·69	0	Amini Divi.
				18	12	1			S 26° E		5·0			90		69		·128				0			0			0			0	Gyantse.
	2		1	1	2	2	2	6	N 72° W		5·8			100		93		·117		3·7		3			0·90			1·15			0·50	Pharijong. (*f*)
22	3	1							N 14° E		4·5			14		69		·305		1·0		6			3·44			6·07			1·61	Gangtok. (*g*)
													Observatory not opened.																			Gartok.
22							1	8	N 49° W	N 1° W	‡1·0	2·4	—1·4	29	+21	** 44	?	·164	?	3·1	—2·7	2			0·70	0·20	+ 0·50	0·88	0·78	+ 0·10	0·40	Kashgar.
	5	11			1	1	6	7	N 14° W	N 80° W				55	+38	80		·218		4·8	+0·9	8			2·03	4·90	— 2·87	13·61	7·41	+ 6·20	0·53	Kabul.
16	3	2	2	3	4			1	S 78° E		2·4			17		81		·221		2·0	—3·5	3			0·73	2·43	— 1·70	1·95	4·57	- 2·62	0·33	Meshed.
4	4	4	7	4			1	5	N 9° E	N 23° E	¶10·7	11·0	—0·3	49	+13	† 72	— 2	·558	—·008	3·1	+0·8	0			0·06	1·15	— 1·09	0·98	3·77	— 2·79	0·06	Jask.
28	1	2	1				1		N 29° E	N 72° W	† 3·4	4·6	—1·2	13	—17	† 64	— 4	·549	—·027	2·9	+0·7	2			0·39	1·05	— 0·66	0·75	3·37	- 2·62	0·21	Muscat. (*h*)
		5	6	5	5	1	1	3	5	N 37° E		9·8		32		79		·551		3·4		0			0·10			0·96			0·08	Bahrein.
1	4	5	12	3			1	5	N 55° E	N 41° E	9·8	8·5	+1·3	53	+13	71	+ 1	·411	—·021	4·6	+1·7	2			0·44	1·00	— 0·56	5·64	9·71	- 4·07	0·13	Bushire.
6	4	2		4	3	2	3	7	N 58° W		§5·3			19		70		·404		4·8		4			3·32			4·56			1·65	Busrah.
22				2	2	1	3		S 27° W	S 82° W	2·5	6·3	—3·8	16	—28	75	— 1	·168	—·070	3·9	+0·3	4			1·44	0·99	+ 0·45	4·10	1·96	+ 2·14	0·90	Ispahan.
6	8	13			2				N 32° E	N 14° E	§5·4	3·8	+1·6	63	+41	76	+20	·207	+·013	3·4	—0·7	4			1·87	2·80	— 0·93	6·47	6·28	+ 0·19	0·60	Tehran.
8	5	2	3	2	3	1	1	5	N 11° E	N 11° W	9·7	4·0	+5·7	17	— 7	61	— 9	·285	—·054	3·2	+0·9	2			0·65	1·60	— 0·95	2·84	6·79	- 3·95	0·37	Baghdad.
10		3	1	6		7	1	3	S 8° W					17		(d) 69		·456		4·8		6			2·49			19·54			1·74	Beirut.
1		30							N 45° E	N 82° E	20·8	15·8	+5·0	96	+17	75	— 1	·684	—·042	6·0	+0·8	0			0	0·87	- 0·87	0·14	1·85	— 1·71	0	Aden.
			13	11	7				S 54° E	S 73° E	19·2	19·3	—0·1	84	+31	75	— 3	·710	—·056	0	—5·3	0			0	0·27	- 0·27	2·23	0·95	+ 1·28	0	Perim.
5	12	6	2		1	3	1	1	N 12° E	S 27° E	4·7	5·4	—0·7	45	+26	77	— 6	·853	—·042	6·2	+0·7	6			4·29	6·50	- 2·21	10·11	14·02	- 3·91	2·21	Zanzibar.
14	6					1	10		N 32° W		1·7			48		86		·856		1·6		6			5·49			7·92			1·43	Do. Dunga.

‡ Mean of 27 days.
(*h*) Wind observations of 30 days.

§ Uncorrected.
(*f*) Wind observations of 16 days.
(*g*) " " 26 "

¶ Mean of 26 days.
** " " 16 "

Table C.—Abstract of observations taken at 8 hrs., at 27 fourth-class stations in India, etc., in March, 1908.

Tabl

Abstract of observations taken at 8 hr

Number of sub-division.	Station.	Temperature of air.												Wind direction.									
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from								Resultant direction.	
															Calm.	N.	N.E.	E.	S E.	S.	S.W.	W.	N.W.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
	II.—Eastern Bengal and Assam.																							
4	Bishnath	62·3	85·0	...	53·2	...	69·1	...	31·8	95·9	31st	44·0	4th	51·9	...	...	..	...	...	...	...	...	...	...
	Borjuli	64·9	86·2	...	56·7	...	71·3	...	29·5	95·0	31st	45·1	3rd	49·9	...	...	...	..	...	...	...	...	...	...
	Chandkhira	67·3	91·6	...	55·8	...	71·7		35·8	98·6	30th	43·3	4th	55·3	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	60·8	67·7	...	55·5	...	61·6	..	12·2	78·3	31st	49·1	12th & 14th.	29·2	...	...	...	...	...	...	...	...	...	...
	Dikom	63·5	81·3	...	57·2	...	69·3	...	24·1	93·0	31st	48·3	4th	44·7	...	...	...	...	...	...	...	...	...	...
	Golaghat	63·2	83·5	...	57·3	...	70·4	...	26·2	93·2	31st	49·0	4th	44·2	...	...	...	...	...	...	...	...	...	...
	Hailakandi	63·3	90·2	...	59·3	...	74·8	...	30·9	97·8	31st	48·0	4th	49·8	...	...	...	...	...	...	...	...	...	...
	Jorehat	65·2	82·7	...	58·6	...	70·7	...	24·1	91·9	30th	49·8	4th	42·1	...	...	...	...	...	...	...	...	...	...
	Messa	68·5 (a)	90·7	...	54·7	...	72·7	...	36·0	97·7	31st	48·8	12th	48·9	...	...	...	...	...	...	...	...	...	...
	Panerihat	57·9	82·7	...	54·2	...	68·5	...	28·5	90·0	30th	46·9	15th	43·1	...	...	...	...	...	...	...	...	...	...
	Srimangal	70·8 (a)	91·4	...	59·4	...	75·4	...	32·0	100·0	31st	48·0	12th	52·0	...	...	...	...	...	...	...	...	...	...
	Tura †	80·0	87·0	...	67·8	...	77·4	..	19·2	98·6	31st	58·4	2nd	40·2	...	1	2	...	5	3	20	...	...	S 27° W
5	Brahmanbaria	73·6	92·5	...	63·3	...	77·9	...	29·2	100·7	31st	49·6	4th	41·1	...	...	...	...	...	...	...	...	...	...
	Dam Dim	61·3	88·5	...	54·5	...	71·5	...	34·0	95·9	30th	43·9	3rd	52·0	..	...	...	...	...	...	...	...	...	...
	Goalundo	69·9	93·5	...	59·6	...	76·6	...	33·9	102·0	31st	47·4	4th	54·6	...	...	..	...	...	...	...	...	...	...
	Kalchini	70·5	84·9	...	54·4	...	69·7	...	30·5	95·0	30th,	44·5	3rd	50·5	...	...	...	...	...	...	...	...	...	...
	Nagrakata	67·2	87·3	...	59·1	...	73·2	...	28·2	95·1	30th & 31st.	47·9	3rd	47·2	...	...	...	...	...	...	...	...	...	...
	Pabna	73·8	95·5	...	60·7	...	78·1	...	34·8	103·0	31st	50·2	11th	52·8	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																							
6	Fraserganj	78·9	...	...	...	...	...	...	...	...	...	...	...	...	...	8	...	...	...	17	...	6	...	S 34° W
	XI.—Central Provinces.																							
24	Chhindwara								Observatory		not opened.													
	Hill Stations.																							
	Panighatta	73·1	85·7	...	62·5	...	74·1	...	23·2	94·5	30th	51·1	10th	43·4	...	...	...	...	..	...	...	...	...	...
	Kurseong	59·6	69·1	...	54·6	...	61·9	...	14·5	77·8	30th	46·3	2nd	31·5	...	...	...	...	...	...	...	...	...	...
	Poo	...	49·4	...	34·3	...	41·9	...	15·1	68·6	31st	23·7	1st	44·9	16	...	1	...	7	2	3	...	2	S 16° E
	Kargil	29·6	48 3	...	25·2	...	36·8	...	23·1	70·3	31st	14·0	2nd	56·3	...	5	4	...	...	1	7	6	8	S 60° W
	Killa Drosh	43·2	57·0	..	39·4	...	48·3	...	17·6	73·3	28th & 30th.	28·0	2nd & 3rd.	45·3	31	...	...	...	...	...	...	...	...	§
	Pishin	...	62·8	...	35·7	...	49·3	...	17·1	85·4	28th	17·0	8th	68·4	...	...	...	...	...	...	...	...	...	...
	Kalat	40·3	59·5	-5·2	30·6	-1·7	45·0	-3·5	28·9	82·1	29th	10·9	7th	71·2	...	6	...	...	...	25	...	...	...	S
	Extra India.																							
	Birjand	(c) 45·2	(c) 56·3	...	(c) 38·0	...	(c) 47·2		18·3	76·0	27th	10·7	6th	65·3	10	3	10	2	...	2	...	1	1	N 38° E

(a) Mean of 30 days. (b) Mean of 28 days. (c) Mean of 29 days. † Observations of 10 hrs. § Indeterminate.

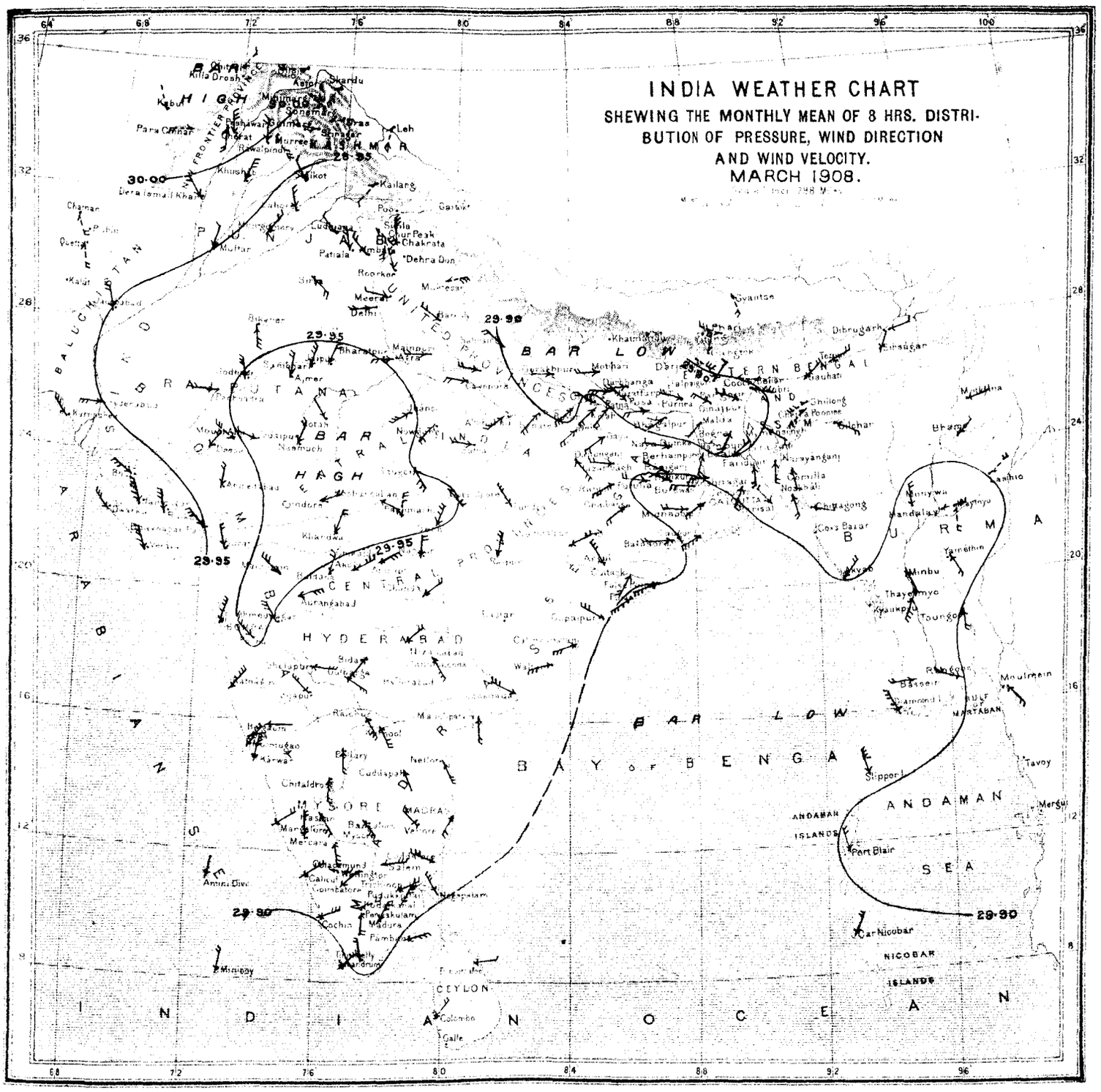
C.

at 27 fourth-class stations in India, etc., in March, 1908.

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Mean velocity, miles per hour.	Normal.	Percentage departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st December 1907 to 31st March 1908.	Normal rainfall for period, 1st Dec. to 31st March.	Departure from normal of period 1st Dec. to 31st March 1908.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Eastern Bengal and Assam.
...	...	...	...	...	96	...	·548	...	...	...	1	...	...	0·24	...	...	2·22	...	...	0·24	Bishnath.
...	...	...	...	...	77	...	·487	...	...	...	2	...	...	0·66	...	...	1·75	...	...	0·35	Borjuli.
...	...	...	...	...	83	...	·572	...	...	...	4	...	...	1·84	...	...	4·93	...	...	0·66	Chandkhira.
...	...	...	...	...	94	...	·506	...	...	...	3	...	...	1·46	...	...	3·10	...	...	0·84	Doom Dooma.
...	...	...	...	...	95	...	·561	...	...	...	2	...	...	1·46	...	...	4·58	...	...	0·74	Dikom.
...	...	...	...	...	89	...	·522	...	...	...	1	...	...	0·24	...	...	2·48	...	...	0·10	Golaghat.
...	...	...	...	...	85 (a)	...	·505 (a)	...	...	...	2	...	...	0·81	...	...	3·14	...	...	0·48	Hailakandi.
...	...	...	...	...	84	...	·523	...	...	...	2	...	...	0·69	...	...	3·10	...	...	0·35	Jorehat.
...	...	...	...	...	74 (a)	...	·5 6 (a)	...	...	...	1	...	...	0·18	...	...	1·62	...	...	0·14	Messa.
...	...	...	...	...	84	...	·413	...	...	...	3	...	...	1·99	...	...	2·75	...	...	0·78	Panerihat.
...	...	...	...	...	79 (a)	...	·608 (a)	...	...	...	4	...	...	3·47	...	...	7·12	...	...	1·43	Srimangal.
...	...	...	65	...	36	...	·384	...	2·3	...	2	...	...	0·55	...	...	2·21	...	...	0·45	Tura.
...	...	...	...	...	74	...	·627	...	...	...	1	...	...	0·32	...	...	2·40	...	...	0 28	Brahmanbaria.
...	...	...	...	...	85	...	·470	...	...	...	2	...	...	1·18	...	...	1·90	...	...	0·75	Dam Dim.
...	...	...	...	...	69	...	·580	...	...	...	1	...	...	0·20	...	...	0·72	...	...	0·20	Goalundo.
...	...	...	...	...	68	...	·514	...	...	...	2	...	...	0·33	...	...	1·80	...	...	0·14	Kalchini.
...	...	...	...	...	65	...	·437	...	...	...	3	...	...	0·90	...	...	1·65	...	...	0·40	Nagrakata.
...	...	...	...	...	60	...	·509	...	...	...	0	...	...	0 10	...	...	1·78	...	...	0·08	Pabna.
																					III.—Bengal.
...	...	...	23	...	80	...	·793	...	...	...	0	...	...	0	...	...	0·98	...	...	0	Fraserganj.
																					XI.—Central Provinces.
							Observatory		not opened.												Chhindwara.
																					Hill Stations.
...	...	...	...	...	50	...	·408	...	...	...	2	...	...	1·04	...	...	1·82	...	...	0·59	Panighatta.
...	...	...	...	...	58	...	·298	...	...	...	4	...	...	1·37	...	...	3·04	...	...	0·90	Kurseong.
...	...	...	23	...	...	...	...	...	4·2	...	1	...	...	0·17	4·11	—3·94	2·49	12·29	—9·80	0·10	Poo.
...	...	...	52	...	75	...	·135	...	3·8	...	1	...	...	0·28*	...	...	1·97‡	...	...	0·22*	Kargil.
...	...	...	...	...	72	...	·207	...	2·7	...	4	...	...	0·87	...	...	5·15	...	...	0·20	Killa Drosn.
...	...	...	...	...	...	...	...	...	3·5	—	2	5·00	+3·00	1·19	1·83	—0·64	2·72	8·05	—5 33	0·63	Pishin.
...	...	...	6	...	63	...	·169	...	...	...	2	2·60	+0·60	1·11	1·80	—0·69	2·69‡	3·53	—0·84	0·52	Kalat.
																					Extra India.
...	...	...	38	...	(b) 65	...	(b) ·204	...	4·8	...	1	...	...	1·19	...	...	...	...	...	0·37	Birjand.

* Snow water. ‡ Since January 1908.

CALCUTTA: PRINTED BY SUPDT. GOVT. PRINTING, INDIA, 8, HASTINGS STREET.



The lines of the above chart represent isobars or lines of equal barometric pressure, the numbers attached indicating the barometric pressure in inches and being drawn for differences of pressure of ·05 inch. The isobars in the Bay of Bengal are filled in by means of the shore observations, and by comparison with the normal distribution of pressure.

The mean 8 hrs. wind directions of the month are shewn by means of arrows flying with the wind, and are calculated by means of Lambert's formula applied to the winds as given in Table B of the 8 hrs. observations. The mean wind directions for the hill stations are indicated by broken arrows to distinguish them from the wind arrows for the plain stations. The mean velocity of the winds during the month is shewn by the following notation:—

Velocity of	0 to 2 miles per hour	...	one feather added to the wind arrow.
,, ,,	2 to 5 ,, ,, ,,	...	two feathers ,, ,, ,, ,,
,, ,,	5 to 10 ,, ,, ,,	...	three ,, ,, ,, ,, ,,
,, ,,	10 to 20 ,, ,, ,,	...	four ,, ,, ,, ,, ,,
	over 20 ,, ,, ,,	...	five ,, ,, ,, ,, ,,

LITHO BY P.N. BANERJEE.

The chart shows the departure from normal of the mean during the month of 8 hrs. pressure by means of lines drawn for equal amounts of departure. The numbers are given in thousandths of an inch, 20 representing ·020 or two hundredths of an inch, &c. Continuous lines indicate that the pressure was in excess by amounts indicated by the numbers attached to the lines, and broken or dotted lines that it was in defect by amounts indicated by the numbers attached to the lines. Two parallel lines near to each other, one continuous and the other broken or dotted, represent the line of no departure, the dotted line facing the area of deficient pressure or negative departures.

PLATE III.

CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MAXIMUM TEMPERATURE.

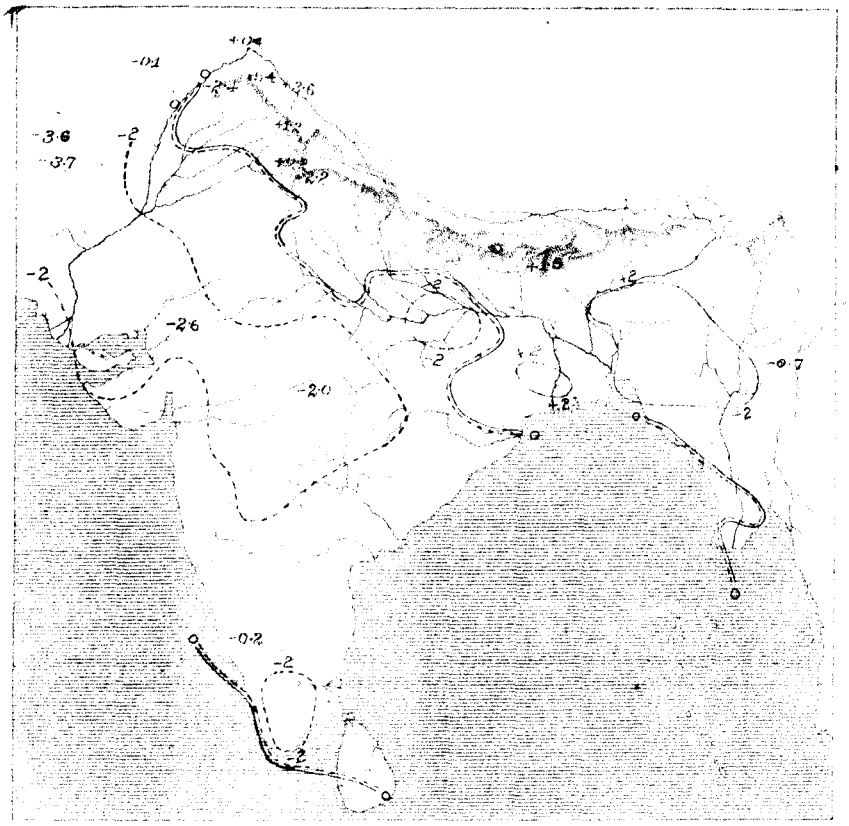
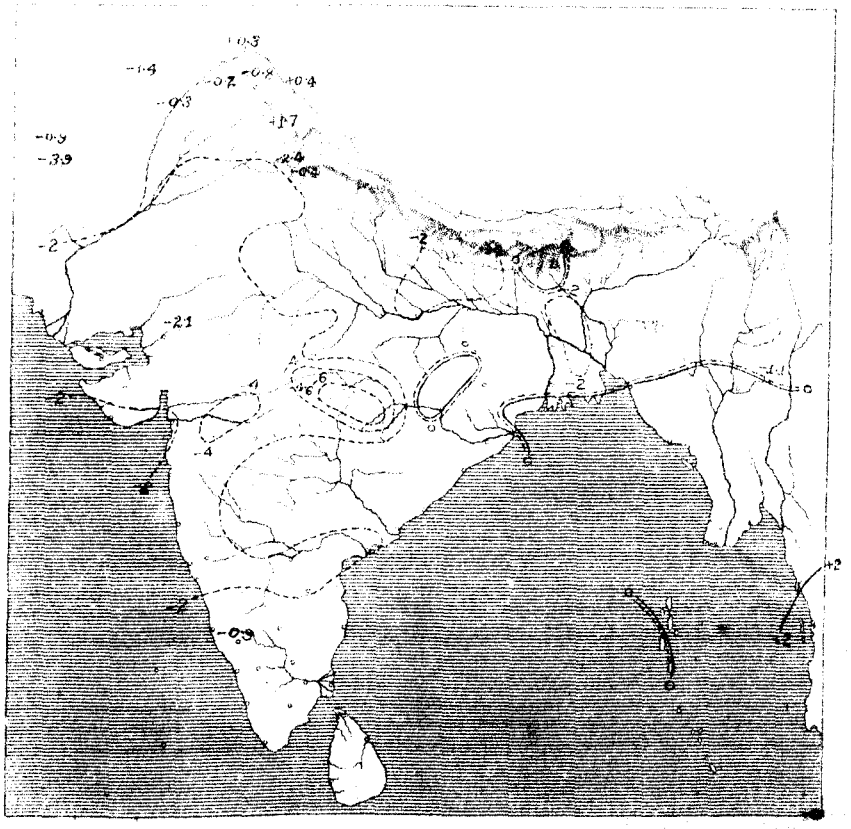


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE



LITHO BY P.N. BANERJEE.

PLATE IV.

CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MEAN TEMPERATURE.

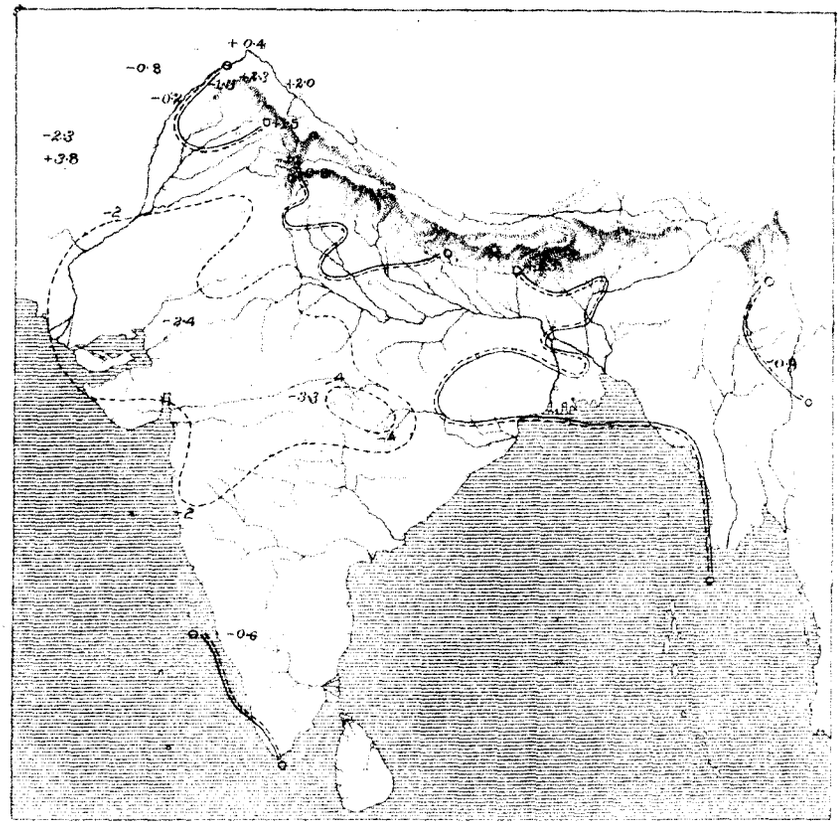


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.

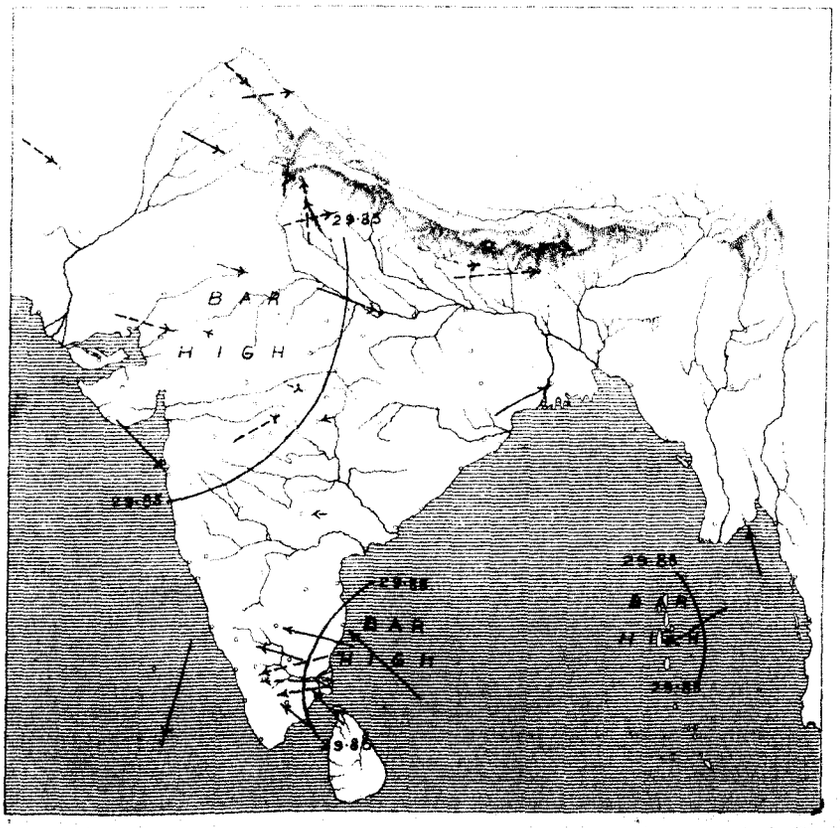


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF ABSOLUTE
HUMIDITY AT 8 HRS.

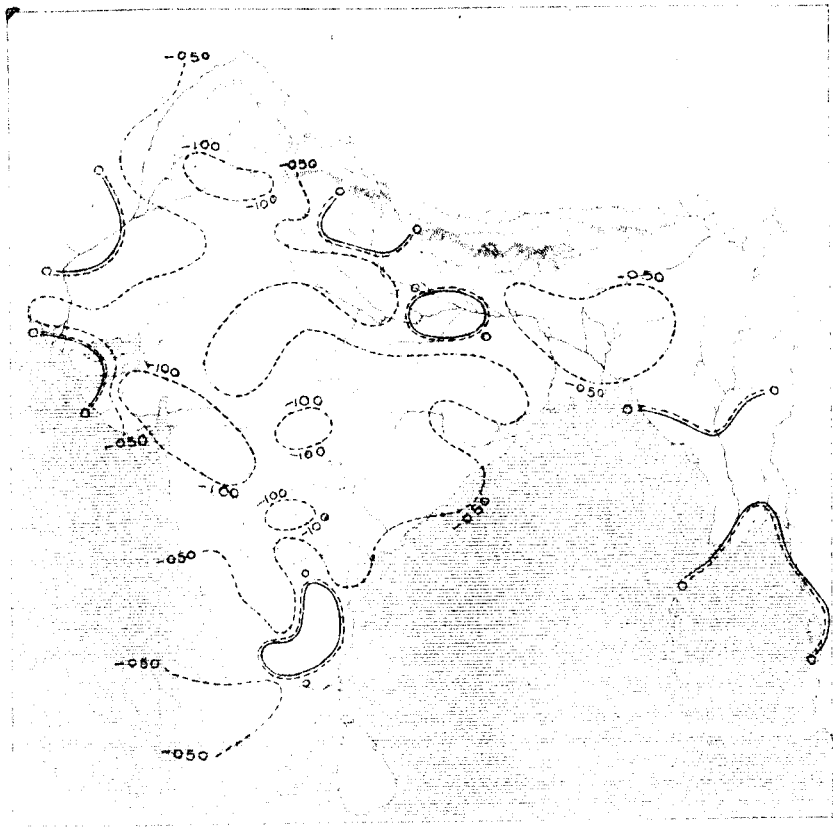


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF RELATIVE
HUMIDITY AT 8 HRS.

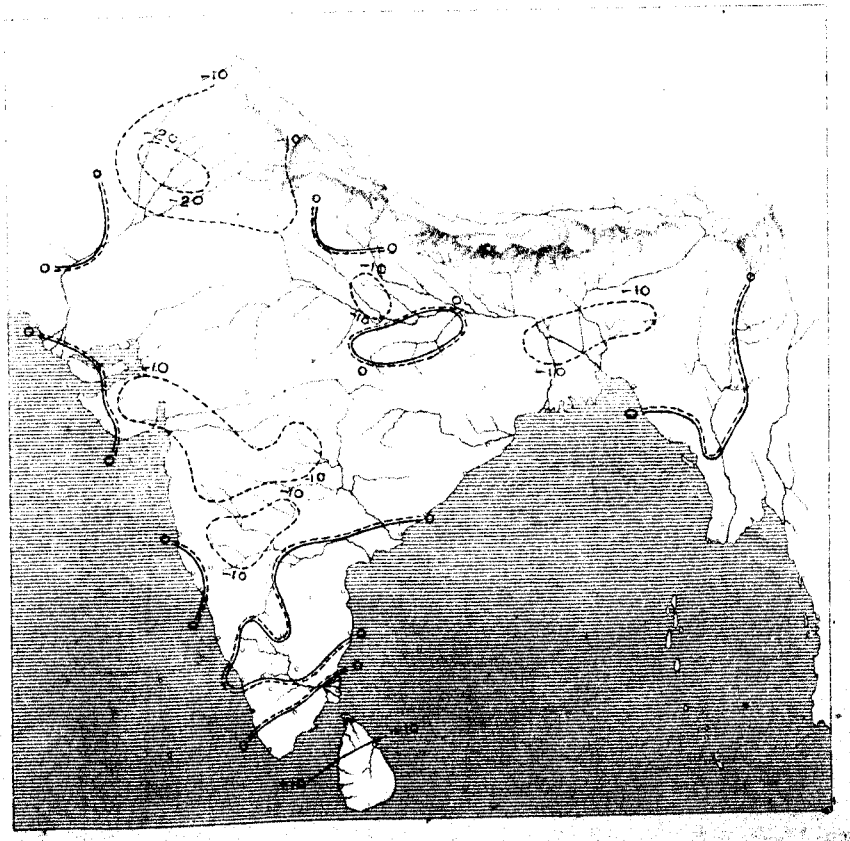


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

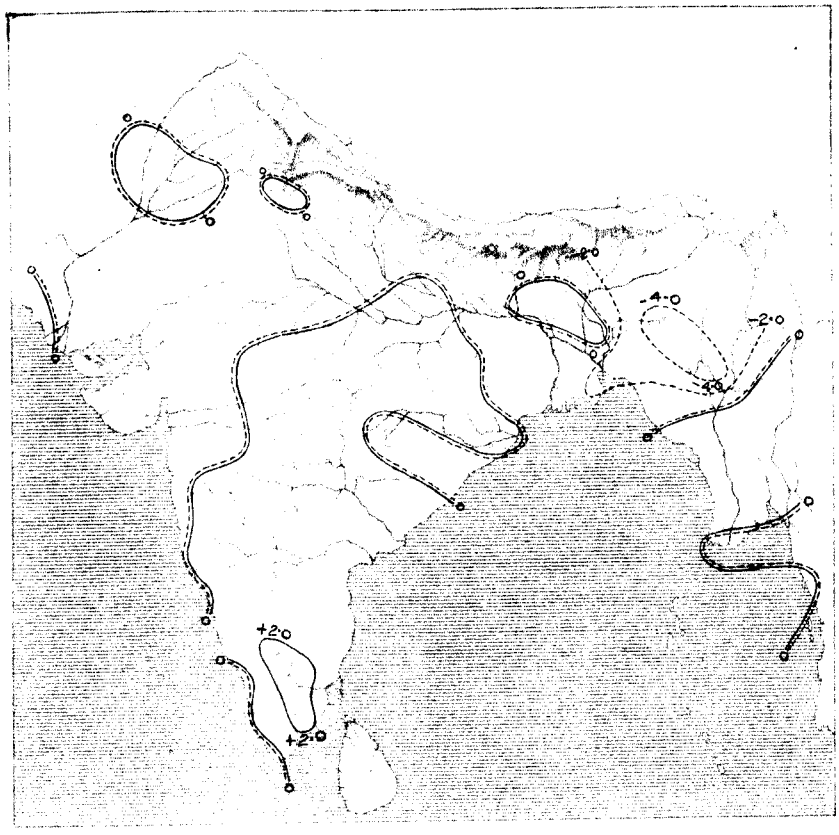
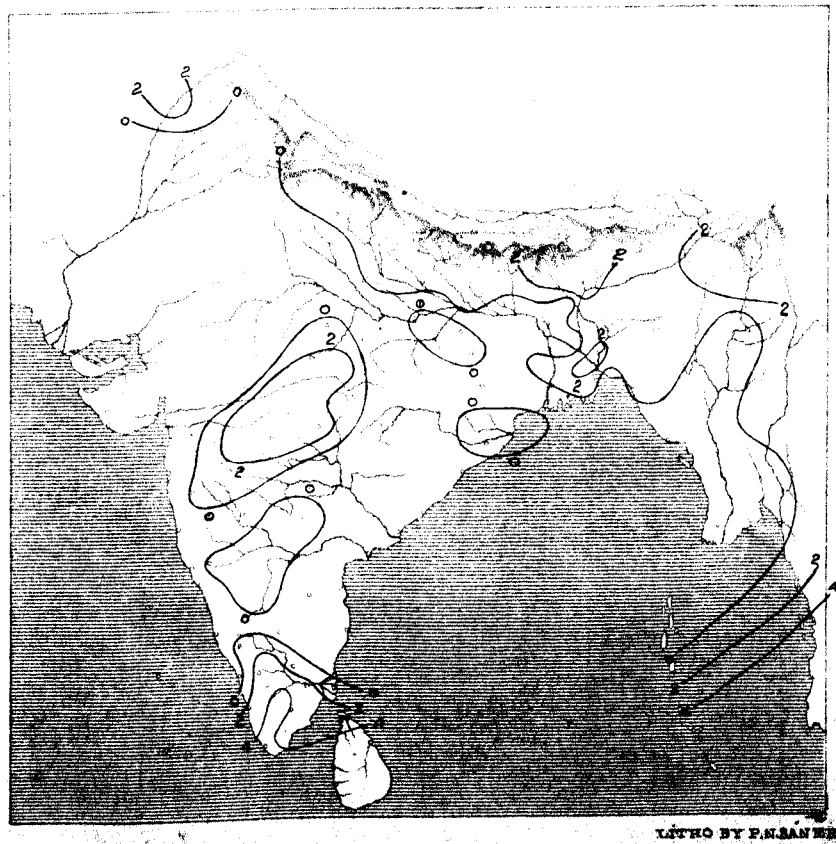


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B)



LITHO BY P.N.BANERJI.

Reg. No. 1653 E., 08.—Wr., India.—July 08.—5,000.

Zinco., S. I. O., Calcutta.

The country is divided into 34 areas as shown in the list below. The numbers in that list correspond with the red numbers on the chart, and serve to identify the areas. The numbers in brackets on the chart give the average over the divisions of the normal monthly rainfall; the numbers above these give the departures from normal of the average actual rainfall over the divisions.

1. Bay Islands
2. Lower Burma
3. Upper Burma
4. Assam
5. Eastern Bengal
6. Bengal
7. Orissa
8. Chota Nagpur
9. Bihar
10. United Provinces, East
11. Do., West
12. Punjab, East and North
13. Do., Southwest
14. Kashmir
15. Northwest Frontier Province
16. Baluchistan
17. Sind
18. Rajputana, West
19. Rajputana, East
20. Gujarat
21. Central India, West
22. Do., East
23. Berar
24. Central Provinces, West
25. Do., East
26. Konkan
27. Bombay, Deccan
28. Hyderabad, North
29. Do., South
30. Mysore
31. Malabar
32. Madras, Southeast
33. Madras, Deccan
34. Madras Coast, North

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, APRIL, 1908.

INTRODUCTION.

THIS review of the weather in India during the month of April, 1908, is based on observations taken daily at 8 hrs. at 238 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 35 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by the provincial Governments up to the date of the preparation of the review have been utilized. The brief notes on solar, seismic and magnetic disturbances are supplied by the chief observatories.

Summary of the chief features of the weather in India during the month of April, 1908.

2. A depression from Persia entered upper India on the 4th and was reinforced from time to time by areas of low pressure arriving from Persia; it initiated a period of wet weather which lasted until the 13th; and rain fell over upper India, being heavy in the Punjab, the North-West Frontier Province and Kashmir. The disturbance was followed by a well marked cold wave which slowly spread over the whole of northern India and in parts of north-west India mean temperature was more than 16° in defect.

Hot weather conditions were well established in north-east India and adjacent districts to the west, and temperature was considerably higher than the normal, owing to the thunderstorms, which are characteristic of this period, not being so numerous as usual, especially in Bengal; the rainfall was thus very scanty in this area. On the west coast and in Mysore thunder showers gave the usual amount of rain but in the west of the Peninsula rainfall was in large defect.

The air was drier than usual over the central parts of the country and the north Deccan, and skies were freer from cloud than usual over a large part of the country.

Solar, seismic and magnetic disturbances.

KODAIKANAL.

3. *Solar Observations.*—Spots and prominences were observed on every day of the month but on three days the prominence observations were made in unfavourable weather.

Sunspots. At the beginning of the month the spot activity was very low and the numbers for the first three days were only 2, 1, and 1 respectively. On the 4th there was a sudden increase and no less than 8 groups were visible on that day. There were 35 new groups in the month with a daily average of 5·3. Ten groups were visible on the 29th and 8 groups on 3 other days. As for several months past, a majority of the new groups formed on the visible disc but they were mostly small. Groups

1406 and 1409 were returns of 1378 and 1382 respectively —all four were April spots. The spot activity continued to be very high in the southern hemisphere, the latitude distribution being as follows :—

	0°-10°	11°-20°
North	4	5
South	13	13

Ten of the new groups contained fairly large spots. 1378 was first seen near the east limb as a group of small spots and developed in a few days into a fine double spot group. The following spot of the group, however, gradually, became smaller till, on the 10th, the group was reduced to a single spot. C was reversed and D_3 dark on the group when it was developing. 1382 underwent a gradual reduction similar to 1378 till, when near the west limb, all the spots disappeared except the leader. 1379 formed on the 4th near the central meridian and gradually increased in size. C was reversed on it on the 6th, 8th, and 9th, and D_3 was dark between the spots on the 6th and 9th. Disturbances in the C line and the appearance of dark D_3 near spots were frequently observed during the month.

Prominences.—There were 88 prominences one minute or more in height with a daily average of 2′.9 as against 2′.4 in March ; but the rise in the number of large prominences was not proportional to the increase in spot activity. The tallest prominence of the month was 170″ high. There were ten metallic prominences, two of which, observed on the 18th and 23rd, showed displacements in the F line of 1·5°A to violet and of 1°A both ways, respectively.

Magnetic Disturbances.—There was a "Moderate" magnetic disturbance on the 1st and "small" ones from the 5th to the 8th, 15th to 16th, and 22nd to 24th. Except on the 1st large spots were either approaching or passing the central meridian during all these periods.

C. MICHIE SMITH,

Director,

Kodaikanal and Madras Observatories.

BOMBAY OBSERVATORY.

Alibag Magnetic Record.

4. During the month of April the traces showed 10 calm days, 19 days of small and 1 day of moderate disturbance.

The days of the month selected as quiet are 2nd, 10th, 13th, 20th, and 30th.

The observed absolute values of the several Magnetic Elements reduced to the mean monthly tabulations of the Magnetographs, as also the ranges and the summed ranges of the Horizontal Force & Declination for the month are as follows :—

Easterly Declination	1° 2′ 57″	
Horizontal Force	0·36858	C. G. S. unit.
Vertical Force	0·15008	C. G. S. unit.
Dip (Calculated)	23°20′·7	
Dip (observed twice a week)	23°20′·0	
Horizontal Force Range	·00056	C. G. S. unit.
Horizontal Force Summed Range	·00382	C. G. S. unit.
Declination Range	3′·90	
Declination Summed Range	15′·53	

NOTE:—Summed Range means sum without regard to signs of 24 ordinates of diurnal inequality.

The following table represents the Magnetic Character of each day in the month:—

Day.	Character.	Day.	Character.	Day.	Character.	Day.	Character.	Day.	Character.	Day.	Character.
1	S	7	S	13	C	19	S	25	S		
2	C	8	S	14	S	20	C	26	S		
3	C	9	C	15	S	21	S	27	S		
4	C	10	C	16	S	22	S	28	S		
5	S	11	C	17	S	23	S	29	S		
6	M	12	C	18	S	24	S	30	C		

The magnitudes of the disturbances are determined from Horizontal Force traces.

C. = Calm; S. = Small; M. = Moderate; G. = Great; V. G = Very great.

Days are reckoned from midnight to midnight.

Seismic disturbances recorded at Bombay :—

Six seismic disturbances were recorded during the month on the 2nd, 4th, 10th, 16th, 19th, and 23rd.

(*List of Seismic disturbances.*)

Date.	Commencement.		Maximum.		End.		Maximum Amplitude.	Duration.	
	H.	M.	H.	M.	H.	M.	mm.	H.	M.
2	6	2·5	6	23·9	6	41·4	0·4	0	38·9
4	6	24·0	6	31·2	6	50·5	0·4	0	26·5
10	0	16·1	0	25·0	0	45·0	0·5	0	28·9
16	17	45·2	17	50·3	18	11·1	0·3	0	25·9
19	8	11·4	8	22·2	8	47·2	0·3	0	35·8
23	0	3·8	0	16·5	1	23·1	0·6	1	19·3

All times given above denote G. M. T.

N. A. F. MOOS,

Director,

Bombay and Alibag Observatories.

CALCUTTA OBSERVATORY.

5. List of displacements recorded by the Milne seismograph at the Alipore Observatory during April, 1908.

Date 1908.	P. T. Commencement G.M.T.	L. W. Commencement. G.M.T.	Maximum. G.M.T.	End. G.M.T.	Duration.	Maximum displacement on trace from mean position.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
April 4th	6—16·7	—	?	7 5·0	0—48·3	?	Time of maximum and the maximum displacement on trace from mean position cannot be determined as the boom moved throughout the trace.
„ 19th	8—5·5	8—7·5	8—15·1	8—47·2	0—41·7	1·25	Sensibility 1 mm. = 0·38′ of tilt.

C. W. PEAKE,

Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing Seismograph; magnification was 20 during the whole month.*

Date.	Commencement of 1st P. T.	Commencement of 2nd P. T.	Beginning of L. W.	Time of maximum amplitude.	End approximately.	Duration.	Maximum displacement of style.	Remarks.
	G. M. T.	G. M. T.	G. M. T.	G. M. T.	G. M. T.			
1908. April,	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
4th.	6 21·5	—	—	—	6 42·0	0 20·5	—	Tremor.
16th	17 40·4	—	—	17 41·8	17 55·0	0 14·6	3	Sharp local shock.
19th	8 6·3	—	—	—	8 26·0	0 19·7	—	Tremor.
30th	—	—	—	412·1	—	—	1·5	Local.

The following table contains a list of the earthquakes that have been reported :—

Place at which felt.	Date.	Time. G. M. T.		Direction.	Remarks.
		H.	M.		
Berhampore . .	4th	6	30	E. to W.	Slight.
Calcutta . . .	„	8	45	—	Do.
Shillong . . .	5th	6	15	—	Do.
Do. . . .	„	6	45?	—	Two after shocks.
Cherat . . .	16th	18	15	W. to E.	Slight.
Cherat and Mansehra. (N.-W. F. Prov.)	„	18	15	W. to E.	Do.

Solar Radiation.—The following figures give the intensity of solar radiation, as measured at Simla by Angstrom's pyrheliometer. The values are corrected to local noon, and expressed in grammecalories per square centimetre per minute.

Maximum	1·495
Minimum	1·353
Mean	1·418
Number of days of observations . .	11

J. PATTERSON,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. *Solar Observations.*—Observations were taken on every day except the 5th, 6th, 14th, 17th, 19th, 20th, 22nd, 23rd, 26th, and 27th, groups of sunspots being seen throughout. They were especially numerous from the 7th to 13th and from the 28th to 30th and faculæ were visible on each day of observation :—

MAGNETIC DISTURBANCES,

Day.	Time.	Disturbance.
1st	2h to 3½h .	Wave in H. F. (+19).
1st	15h to 17h .	Wave in H. F. (+12).
2nd to 3rd	23½h to 1h	Wave in H. F. (+7).
5th	16½h to 20½h .	Wave in H. F. (—21); 22½h. to 24h. wave in H. F. (+12).
6th to 7th	14½h to 1½h .	Two successive waves in H. F. (—42) and (—39); in Decl. small undulations.
7th	13h to 17h .	Wave in H. F. (—23).
8th	2½h to 10h .	Wave in H. F. (+33) with undulations from 7th, 20th to 8th 8h.
10th	1h to 2½h .	Wave in H. F. (+10).
16th	½h to 3½h .	Wave in H. F. (+55).
17th	22h to 23½h .	Increase in H. F. (24) with small superposed fluctuations.
18th to 19th	22h to 5h .	Small rapid fluctuations in H. F.
22nd	8h to 23h .	Small rapid fluctuations in H. F.
23rd	...	Accentuated diurnal variation in H. F. with wave ½h to 1½h (+30) and small fluctuations after 11h.
24th	...	Accentuated diurnal variation in H. F. with wave 1h to 3h (+14).
25th	½h to 1½h .	Wave in H. F. (+13); 4½h to 6½h wave in H. F. (+30).
26th	13h to 17h .	Wave in H. F. (—25).
27th	11h to 17½h .	Wave in H. F. (—41).
30th	...	Accentuated diurnal variation in H. F.

T. F. CLAXTON,
Director.

Weather in the Indian Monsoon Region.

8. Pressure was in slight defect at Mauritius, Zanzibar and Seychelles, and the wind direction was normal except at Seychelles where it was east-south-east instead of north. The strength of the wind was considerably less than usual at Zanzibar where the rainfall was also in defect but at the other stations rainfall was in excess and the wind was of normal strength.

	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	—·021	—·025	—·013
Actual mean wind direction .	S 76° E	S 6° E	S 64° E
Normal mean wind direction	S 70° E	S 5° E	N 8° E
Actual mean wind velocity (miles per diem).	251	113	200
Normal mean wind velocity (miles per diem).	252	170	112
Rainfall departure from normal	+2·94	—3·12	+3·53

Depressions and cyclonic storms.

9. A disturbance was affecting the weather in the Persian Area at the beginning of the month and by the morning of the 4th it was entering north-west India, but on its arrival there its further progress was arrested and it was from time to time reinforced by areas of low pressure arriving from the west. Precipitation began in Kashmir on the 4th and extended southward over the North-West Frontier Province, the Punjab, the extreme north-west of the United Provinces, north Rajputana, upper Sind and Baluchistan, and rainfall occurred daily in parts of these areas until the 13th on which date a very rapid rise of pressure occurred and weather became settled and skies clear. This depression was followed by a cold wave of considerable severity. The second cold weather disturbance of the month and the last of the season entered north-west India on the 24th, but it only occasioned light precipitation in the extreme north of India.

Pressure.

10. Pressure which was in excess over the whole country in March was in defect in April, and the transitional changes from the cold weather to the hot weather types were completed by the shifting of the area of high pressure from upper India to south India.

The greatest deficiency of pressure occurred in Bengal, Bihar and the east submontane districts of the United Provinces in all of which areas it amounted to nearly 0·050″.

The trough of low pressure, the usual pressure indication that the hot season has set in, was well marked during the month, but it was most highly developed at its eastern end where pressure was in greatest defect.

The only areas where pressure was in excess were Gujarat and the east of Central India, but the excess was very small.

The relatively low pressure in north-east India and the Gangetic plain was confined to the surface layers of the atmosphere for at the elevation of Darjeeling, Simla and Chakrata pressure was normal and this may account for the scantiness of the rainfall in Bengal. At the other hill stations the departures from normal agreed very well with those at the neighbouring plains station and the vertical gradient was thus normal.

The usual tables giving the horizontal and vertical distribution of pressure are appended.

Division.	Departure from normal of mean 8 hrs. pressure.
	″
Burma	—·030
Eastern Bengal and Assam	—·045
Bengal	—·043
United Provinces	—·033
Punjab	—·023
North-West Frontier Province	—·028
Sind	—·016
Rajputana	—·013
Bombay	—·005
Central India	—·008
Central Provinces	—·013
Hyderabad	—·014
Mysore	—·019
Madras	—·027

Hill Station.	Departure from normal pressure. A	Plain Station.	Departure from normal pressure. B	Departure of pressure difference B—A.
	″		″	″
Quetta	—·029	Jacobabad	—·038	—·009
Leh	—·011	Lahore	—·029	—·018
Murree	—·024	Peshawar	—·036	—·012
Simla	0	Ludhiana	—·019	—·019
Chakrata	+·001	Roorkee	—·025	—·026
Darjeeling	+·003	Dhubri	—·062	—·065
Mount Abu	—·010	Deesa	0	+·010
Pachmarhi	—·008	Khandwa	—·005	+·003

Temperature.

11. Temperature conditions during the day time were to a large extent in keeping with the character of the rainfall in the different parts of the country; thus in upper India and to a less extent in the rest of north-west India, owing to the prolonged period of wet weather during the first part of the month, day temperature was in defect, while at night temperature was normal. In north-east India and the United Provinces (excluding the north-western districts), areas where rainfall was in defect and very scanty both maximum and minimum temperatures were higher than usual, the excess in the maximum exceeding 5° at several stations. In the rest of the country also the maximum was in excess but the minimum was only in excess in the central districts of Burma and was normal elsewhere. The wet period which lasted from the 4th to the 13th in upper India was followed by a cold wave which reduced temperature many degrees below normal in north-west India. The wave reached its maximum intensity on the 13th when mean temperature was over 16° below normal in parts of the Punjab and of Rajputana. The wave spread slowly eastward causing the disappearance of the excessive temperature in other parts of northern and central India and finally ceased to affect the weather on the 21st.

Division.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Burma	+0·4	+2·3	+1·4
Eastern Bengal and Assam	+3·7	+2·2	+3·0
Bengal	+3·4	+2·5	+3·0
United Provinces	+2·9	+2·6	+2·8
Punjab	−1·5	+1·4	−0·1
North-West Frontier Province	−3·1	+0·9	−1·1
Sind	−0·6	−0·1	−0·3
Rajputana	+0·4	+0·7	+0·6
Bombay	−0·1	−0·2	−0·2
Central India	+0·4	+2·2	+1·3
Central Provinces	+1·0	+0·4	+0·7
Hyderabad	+2·1	+1·4	+1·8
Mysore	+1·5	+0·7	+1·1
Madras	+1·0	+1·1	+1·0

Sub-division.	Actual temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	91·5	79·0	85·3	12·5	17·2	+0·1	+0·4	−0·3
2. Lower Burma	94·6	77·7	86·1	16·9	24·6	0	+1·9	−1·9
3. Upper do.	100·1	75·5	87·9	24·7	36·5	+0·9	+2·8	−1·9
4. Assam	89·1	70·2	79·7	18·9	33·4	+3·8	+2·1	+1·7
5. Eastern Bengal	96·4	74·5	85·5	21·9	35·5	+3·6	+2·2	+1·4
6. Bengal	104·0	78·5	91·3	25·4	38·4	+4·1	+2·4	+1·7
7. Orissa	99·2	78·3	88·8	21·0	32·7	+2·0	+1·6	+0·4
8 Chota Nagpur	104·7	76·3	90·5	28·5	38·0	+3·4	+3·4	0
9. Bihar	103·8	75·0	89·4	28·8	38·8	+3·7	+2·9	+0·8
10. United Provinces, East	105·6	74·4	90·0	31·2	44·3	+3·7	+2·8	+0·9
11. Do., West	101·6	72·3	86·9	29·3	47·0	+2·2	+2·5	−0·3
12. Punjab, East and North	95·7	68·4	82·1	27·3	48·7	−1·2	+1·5	−2·7
13. Do., South-West	95·8	69·4	82·6	26·5	51·9	−2·3	+1·1	−3·4
14. Kashmir	58·8	37·5	48·2	21·3	44·7	−0·8	−0·1	−0·7

Sub-division.	Actual temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
15. N.-W. Frontier Province	87·7	64·4	76·0	23·3	44·3	—3·1	+0·9	—4·0
16. Baluchistan	80·8	55·8	68·4	25·1	54·4	—0·9	—0·7	—0·2
17. Sind	98·2	71·6	85·0	26·6	50·7	—0·6	—0·1	—0·5
18. Rajputana, West	102·0	72·2	87·1	29·8	56·2	—0·5	—0·3	—0·2
19. Do., East	101·0	74·5	87·8	26·6	50·4	+0·7	+1·1	—0·4
20. Gujarat	97·3	72·0	84·7	25·3	44·5	—1·0	—0·7	—0·3
21. Central India, West	99·9	72·3	86·1	27·7	43·9	—0·9	+1·8	—2·7
22. Do., East	104·1	74·1	89·1	30·0	46·4	+1·6	+2·6	—1·0
23. Berar	104·8	76·3	90·6	28·5	39·4	+1·2	+0·2	+1·0
24. Central Provinces, West	104·6	74·9	89·8	29·7	43·5	+0·9	+1·2	—0·3
25. Do., East	104·8	75·2	90·0	29·5	41·0	+1·0	—1·4	+2·4
26. Konkan	89·2	78·4	83·8	10·8	18·7	—0·4	0	—0·4
27. Bombay Deccan	102·4	71·9	87·2	30·5	40·1	+1·3	+0·2	+1·1
28. Hyderabad, North	103·3	77·5	90·4	25·8	43·5	—	—	—
29. Do., South	104·6	78·7	91·7	25·9	38·5	+2·1	+1·4	+0·7
30. Mysore	95·0	70·1	82·6	24·9	32·6	+1·5	+0·7	+0·8
31. Malabar	89·9	78·8	84·3	11·1	17·9	—0·5	+0·9	—1·4
32. Madras, South-East	97·7	78·5	87·1	19·2	31·9	+1·2	+1·3	—0·1
33. Do. Deccan	106·4	80·2	93·3	26·3	39·1	+2·4	+1·5	+0·9
34. Do. Coast, North	94·9	78·1	86·5	16·8	27·5	+0·6	—0·8	+1·4

Winds.

*12. Winds were lighter than usual in Eastern Bengal and Assam, the North-West Frontier Province and Hyderabad, and were above the average strength in the Punjab, Rajputana, the Central Provinces and Mysore. They were very steady in direction in the United Provinces, Sind, Rajputana, Central India and the Central Provinces.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	—0·5	0
Eastern Bengal and Assam	—0·7	+ 5
Bengal	+0·1	+ 6
United Provinces	+0·5	+24
Punjab	+0·7	+ 9
North-West Frontier Province	—0·8	0
Sind	—0·9	+19
Rajputana	+1·5	+22
Bombay	+0·2	— 1
Central India	—0·2	+19
Central Provinces	+0·8	+13
Hyderabad	—0·9	— 8
Mysore	+1·4	+ 9
Madras	+0·5	+12

Humidity and cloud.

13. The absolute and relative amount of moisture in the air was much below the average in Chota Nagpur excluding the northern districts, in the Allahabad and Cawnpore districts of the United Provinces, the Central Provinces, Hyderabad and the north of the Bombay Deccan, and it was above the average in upper Sind, but in the rest of the country there was the normal amount of moisture in the air. Cloud was much less than usual in Burma, north-east India, the United Provinces, Bombay proper, Mysore and the greater part of Madras. On the other hand, owing to the prolonged period of wet weather the proportion of sky covered with cloud was greater than usual over the most of upper India. There was also more cloud than usual over the east of Central India, the west of the Central Provinces and a large part of the north-east of the Peninsula.

Division.	Hygrometry; 8 hours.				Cloud.	
	Mean humidity.	Departure from normal.	Mean vapour-tension in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hours.	Departure from normal.
	%		"	"		
Burma	72	+ 1	·787	+·031	2·6	−0·7
Eastern Bengal and Assam	78	− 2	·791	+·033	4·1	−1·0
Bengal	58	− 4	·665	−·016	1·7	−0·8
United Provinces	37	− 4	·426	−·012	1·1	−0·4
Punjab	48	+ 3	·433	+·008	2·5	+0·3
North-west Frontier Province	64	+ 6	·508	+·029	4·8	+2·0
Sind	59	+ 5	·621	+·046	2·5	+0·6
Rajputana	33	− 3	·370	−·040	1·7	−0·1
Bombay	56	− 3	·602	−·036	1·7	−0·5
Central India	34	− 1	·405	−·009	2·0	+0·8
Central Provinces	25	−10	·307	−·118	2·2	+0·2
Hyderabad	40	−11	·492	−·092	2·2	+0·1
Mysore	73	+ 2	·668	+·022	2·9	−0·8
Madras	71	− 1	·838	−·002	3·4	−0·3

Rainfall.

14. The first period of wet weather was initiated by the cold weather depression from Persia on the 4th when precipitation began in Kashmir and extended over the whole of the North-West Frontier Province, the Punjab, the extreme north-west of the United Provinces, north Rajputana, upper Sind and Baluchistan. Rain fell daily in parts of this region up to the 13th and was most widespread on the 8th; it was also the only rainfall of importance that occurred during the month. The total fall was heavy for this time of year in the Punjab, Kashmir, the North-West Frontier Province and Baluchistan.

The second period of disturbed weather occurred in south India from the 15th to the 17th during which time light to moderate rainfall, chiefly associated with thunderstorms, occurred. The pressure gradients became reversed over India during the month and the trough of low pressure appeared over the Gangetic plain; this change caused an inflow of southerly winds into north-east India and Burma, and by the 23rd thunder showers began in these areas and continued until the end of the month, but in north-east India they were confined chiefly to Eastern Bengal and Assam. In other parts of the country the rainfall was insignificant in amount and in the province of Bengal which usually receives a fair amount of rain from thunderstorms weather was practically dry and the rainfall was nearly 90 per cent in defect.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
			"	"	"	
1. Bay Islands	2·0	3·8	0·70	1·94	−1·24	− 64
2. Lower Burma	1·7	2·5	1·01	1·87	−0·86	− 46
3. Upper do.	2·3	2·1	0·88	1·12	−0·24	− 21

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
			"	"	"	
4. Assam	9·8	10·1	7·76	9·21	—1·45	— 16
5. Eastern Bengal	3·6	4·6	2·92	3·69	—0·77	— 21
6. Bengal	0·7	2·7	0·27	1·68	—1·41	— 84
7. Orissa	0·4	2·1	0·23	1·22	—0·99	— 81
8. Chota Nagpur	0	1·8	0·01	0·90	—0·89	— 99
9. Bihar	0·2	1·0	0·07	0·54	—0·47	— 87
10. United Provinces, East	0·2	0·4	0·06	0·14	—0·08	— 57
11. Do., West	0·4	0·6	0·11	0·23	—0·12	— 52
12. Punjab, East and North	3·2	1·3	1·30	0·44	+0·86	+195
13. Do., South-west	3·2	0·9	1·44	0·37	+1·07	+289
14. Kashmir	7·9	4·6	6·17	2·50	+3·67	+147
15. North-West Frontier Province	8·1	2·6	5·84	1·31	+4·53	+346
16. Baluchistan	2·3	1·2	0·93	0·48	+0·45	+ 94
17. Sind	0·4	0·3	0·20	0·13	+0·07	+ 54
18. Rajputana, West	0·2	0·2	0·06	0·06	0	0
19. Do., East	0·1	0·3	0·02	0·11	—0·09	— 82
20. Gujarat	0	0·1	0	0·02	—0·02	—100
21. Central India, West	0·1	0·1	0·04	0·05	—0·01	— 20
22. Do., East	0·1	0·3	0·01	0·12	—0·11	— 92
23. Berar	1·0	0·6	0·33	0·24	+0·09	+ 38
24. Central Provinces, West	0·5	0·6	0·21	0·22	—0·01	— 5
25. Do., East	0·1	1·2	0·02	0·48	—0·46	— 96
26. Konkan	0·6	0·8	0·44	0·45	—0·01	— 2
27. Bombay Deccan	1·0	1·6	0·47	0·79	—0·32	— 41
28. Hyderabad, North	0·4	1·3	0·09	0·48	—0·39	— 81
29. Do., South	0·4	1·6	0·15	0·67	—0·52	— 78
30. Mysore	3·0	2·3	1·72	1·20	+0·52	+ 43
31. Malabar	4·0	4·3	3·17	2·87	+0·30	+ 10
32. Madras, South-east	1·3	2·1	0·73	1·32	—0·59	— 45
33. Do. Deccan	0·6	1·3	0·25	0·63	—0·38	— 60
34. Do. Coast, North	0·7	1·4	0·34	0·80	—0·46	— 58

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	0·94	1·46	—0·52	—36
Eastern Bengal and Assam	5·42	6·51	—1·09	—17
Bengal	0·16	1·13	—0·97	—86
United Provinces	0·08	0·18	—0·10	—56
Punjab	1·32	0·43	+0·89	+207
North-West Frontier Province	5·84	1·31	+4·53	+346
Sind	0·20	0·13	+0·07	+54
Rajputana	0·03	0·09	—0·06	—67
Bombay	0·31	0·47	—0·16	—34
Central India	0·03	0·07	—0·04	—57
Central Provinces	0·22	0·29	—0·07	—24
Hyderabad	0·12	0·59	—0·47	—80
Mysore	1·72	1·20	+0·52	+43
Madras	0·77	1·21	—0·44	—36
Mean of India when the size of the above areas is taken into account.	0·87	1·06	—0·19	—18

Snowfall.

I. AFGHANISTAN.

15. No information has been received from Kabul. A heavy fall of snow is said to have occurred about the middle of the month on the hills near Herat.

II. NORTH-WEST FRONTIER PROVINCE.

(*a*) *Wana, Dera Ismail Khan and Kohat.*—There was no snowfall on the hills in these districts.

(*b*) *Kurram.*—There were nine falls of snow on the Sufed Koh, all within the first-half of the month. The total fall was apparently heavier than usual. All the well known passes were open at the end of the month.

(*c*) *Chitral.*—Severe snowstorms occurred on the 8th and 9th to the level of the station where the total snowfall was estimated at 3 feet.

(*d*) *Drosh.*—Light snow fell in the station and on the surrounding hills on the 10th and 12th.

III. KASHMIR.

No report has been received.

IV. PUNJAB.

(*a*) *Kulu.*—There were several falls above 8,000 feet, and rain fell below that level.

Kulu Tahsil.			Saraj Tahsil.		
Name of Pass.	Reported.	Normal.	Name of Pass.	Reported.	Normal.
Rohtang	8 feet	12½ feet.	Srikhand	3 feet	12½ feet.
Hamta	9 "	8¾ "	Chul	0 foot	3 "
Barsai	4 "	3⅔ "	Maghin	1 "	3½ "
Chandar Khani	6 "	6½ "	Dundku	0 "	3¾ "
Boja Dhar	5½ "	4 "	Tikkar	0 "	3 "
Lohri Achhri	4½ "	5⅔ "	Nuhnon	0 "	1 foot.
Bhubu	1 foot	2½ "	Jalori	0 "	3½ feet.
Bastari	0 "	1½ "	Raghopur	0 "	3½ "
Majhang	0 "	¼ foot.	Lambri	½ "	2½ "
Sari	7 feet	4½ feet.	Sakiran	½ "	3½ "
			Gargarasan	0 "	6¾ "
			Supakun	0 "	4½ "
			Bashleo	0 "	4 "
			Placha	0 "	5 "
			Tirath	0 "	6½ "
			Ramgarh	0 "	0 foot.

The surfaces of the usual snow bridges in ravines were in places as much as 40 to 50 feet below their ordinary level.

(*b*) *Kailang.*—There were seven falls in all, but none of these was over 11 inches in depth.

(*c*) *Kilba.*—Snow fell on the surrounding hills from the 5th to the 10th and again on the 12th and 13th. The lowest level reached was 9,400 feet.

Name of Pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Rupin Pass	3 feet.	12 feet.
Brua "	3 "	10⅔ "
Harang "	2 "	2⅔ "
Buldar "	3 "	10¾ "
Shatul "	2 "	8½ "
Runang "	2 "	5¾ "

Weather was unusually damp and cloudy. All the passes were open to travellers.

V. United Provinces.

Almora.—There were occasional falls, chiefly during the first-half of the month. The snowline came down to a distance of about four miles from the perpetual snows. The total amount measured nearly 6 feet in Malla Darma, 4½ feet in Byans, 2 feet in Chandas, and 9 inches in Malla Danpur.

Name of Pass or Peak.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Unta Dhura	12 feet.	10 feet.
Ralam "	12 "	8 "
Pindari Peak	9 "	2 "
Kaphini "	9 "	2 "
Kantela "	9 "	2 "
Nuwe Pass	21 "	17½ "
Binkaru "	20 "	20 "
Lipu Lekh "	12 "	10½ "
Lampia "	12 "	11½ "

Weather was on the whole much hotter and drier than usual. Snow water began to come down the Sarda river at least fifteen days before the normal date.

16. *Summary* (*a*). Weather was probably much more disturbed than usual in Chitral, Kurram and Afghanistan and severe snowstorms occurred in these localities.

(*b*) No information is available regarding snowfall in Kashmir. The data of the meteorological stations show that the precipitation there was in decided excess of the normal.

(*c*) In the Punjab Himalayas occasional falls occurred during the first-half of the month down to very low levels. The winter accumulations were much less deep than usual.

(*d*) In Almora some snowstorms of a feeble character occurred. The winter accumulations were of about the usual depth on most of the passes.

Crop report.

17. *Burma.*—Standing crops in the Upper Province were generally in fair condition. Ploughing had commenced for cotton and early sesamum and in upper Burma spring rice was being reaped.

Eastern Bengal and Assam.—Rice, jute and other autumn crops were being sown, more rain was wanted in parts of Eastern Bengal.

Bengal.—Rain was urgently wanted throughout the province and for want of it in Murshidabad and Orissa the prospects of summer paddy were not good. Threshing of spring crops and preparation of land for next season's crops were in progress.

United Provinces.—Harvesting of spring crops were approaching completion and autumn sowings had commenced. Extra crops generally promised well.

Punjab.—Spring crops were being harvested and sowings of extra spring and autumn crops were in progress. The expected yield of irrigated crops was good to below average and of unirrigated average to poor.

North-West Frontier Province.—Harvesting of spring crops was in progress with average outturn. The condition of standing crops was average.

Jammu and Kashmir.—Spring crops were in poor condition in Jammu and in average condition in Kashmir.

Rajputana.—Harvesting of spring crops was nearing completion and land was in some parts being prepared for autumn sowings.

Central India.—Harvesting of spring crops was nearly finished, and the preparation of land for the autumn crops was commenced. Prospects of the area sown were fair to good

Central Provinces.—Land was being prepared for sowings of the ensuing season's crop and threshing and winnowing of the spring crops were in progress. Fodder was becoming scarce in parts and agricultural stock was deteriorating.

Bombay.—Spring crops were generally in good condition and were being harvested in parts of the presidency. Land was being prepared for next season.

Hyderabad.—Late rice was being harvested and lands prepared for monsoon sowings.

Mysore.—The condition of the standing crops and the prospects of the season were good.

Coorg.—Water and fodder for cattle were sufficient.

Madras.—Irrigation supplies were insufficient in parts of most districts. Standing crops were generally fair but in parts of north Arcot some were withering. Harvesting was in progress with poor to normal outturn.

J. PATTERSON.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 35 stations in India, etc., in April, 1908.

Tab

Abstract of observations taken at 10 hrs. and 16 h

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S.L. and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three pre
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
	I.—Burma.																					
2	Rangoon	36	29·848	29·696	·152	29·775	—·031	29·747	98°0	77°4	20°6	101·9	73·0	28·9	88·7	91·0	85·3	+0·3	74·6	77·8	79·2	7
	III.—Bengal.																					
6	Calcutta	21	·764	·631	·133	·697	—·054	·663	100°8	78°8	22°0	106·9	72·9	34·0	92·0	98·3	89·1	+4·1	74·1	78·7	77·8	7
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad	309	·442	·307	·135	·367	—·051	·619	107°2	75°1	32°1	113·2	66·5	46·7	97·7	105·3	90·6	+3·0	58·9	66·2	66·9	6
11	Dehra Dun	2,233	27·555	27·468	·087	27·501	—·037	·648	93°5	65°3	28°2	101·8	55·1	46·7	84·4	89·6	79·3	+1·9	55·4	62·6	63·2	6
	V.—Punjab.																					
12	Lahore	702	29·055	28·967	·088	29·005	—·030	·665	96°1	67°4	28°7	109·4	56·7	52·7	86·0	94·1	81·3	+0·4	60·7	67·8	69·2	6
	VIII.—Rajputana.																					
19	Jaipur	1,431	28·397	·281	·116	28·333	—·014	·682	101°9	71°4	30°5	110·2	58·3	51·9	92·6	99·8	86·5	+0·2	57·2	65·6	66·5	6
	Udaipur	1,925?	27·942	27·830	·112	27·881		·700	99°2	73°3	25°9	105·3	53·0	52·3	92·2	97·6	87·1		61·7	70·0	73·2	6
	IX.—Bombay.																					
26	Bombay	37	29·862	29·748	·114	29·804	—·008	·781	89°8	77°8	12°0	100·1	75·4	24·7	84·9	85·8	82·8	+0·7	73·1	76·2	76·9	7
	XI.—Central Provinces.																					
24	Nagpur	1,017	28·799	28·645	·154	28·719	—·017	·658	107°1	77°4	29°7	111·6	68·6	43·0	96·8	104·8	92·0	+1·4	59·3	69·2	71·0	6
	XII.—Hyderabad.																					
29	Hyderabad	1,690	·163	·029	·134	·094	—·030	·668	104°3	78°2	26°1	108·6	71·4	37·2	95·1	101·3	90·6	+2·6	64·2	69·9	70·7	6
	XIII.—Mysore.																					
30	Bangalore	3,021	26·918	26·797	·121	26·864	—·014	·706	95°6	69°9	25°7	100·0	65·2	34·8	84·6	91·2	81·5	+1·6	63·7	70·8	68·2	6
	Mysore	2,518	27·414	27·270	·144	27·348	—·013	·729	94°7	70°2	24°5	98·3	66·0	32·3	83·2	93·0	81·2	+0·3	66·3	71·2	70·9	6
	XIV—Madras.																					
32	Periyakulam	944	28·936	28·792	·144	28·864		·727	96°5	73°9	22°6	102·0	70·7	31·3	86·3	94·0	85·2		69·7	74·9	74·8	7
	Pudukkottai	318	29·559	29·412	·147	29·486		·728	100°0	79°4	20°6	108·3	75·3	33·0	90·8	96·6	89·7		74·3‖	77·4	77·2¶	7
	Madras	22	·840	·716	·124	·785	—·040	·738	95°7	78°5	17°2	109·6	75·1	34·5	91·5	88·8	86·1	+2·0	77·2	80·3	81·0	7
	Station in the Bay.																					
1	Port Blair	61	·838	·732	·106	·786	—·030	·773	92°6	79°2	13°4	94·6	77·0	17·6	88·1	89·7	84·9	+0·2	76·4	79·7	79·9	7
	Kashmir.																					
14	Srinagar	5,204	24·905	24·835	·070	24·865	—·019	24·836	66°2	46°0	20°2	79·7	33·1	46·6	56·4	63·1	55·0	—0·7	43·2	53·1	58·3	5
	Leh	11,503	19·724‡	19·632	·092	19·679	—·001	19·647‡	57°4	32°1	25°3	66·4	23·5	42·9	48·2	52·9	43·7	+0·8	28·2	35·4	37·6	3
	Baluchistan.																					
16	Quetta	5,502	24·615	24·549	·066	24·574	—·025	24·534	75°1	47°1	28°0	85·7	33·8	51·9	67·8	71·3	61·7	+0·8	43·3	51·2	52·0	4

NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

‖ Mean of 13 days. ¶ Mean of 28 days.

35 stations in India, etc., in April, 1908.

Vapour tension in inches of mercury.				Humidity.				Cloud.				Wind direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of subdivisions.
	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Total number of 10 hrs. and 16 hrs. winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
1	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%					I.—Burma.	
4	·810	·803	·831	+·024	87	60	51	71	0	3·2	3·4	3·3	−0·1	1	2	1	1	1	24	8	18	4	S 45° W	S 24° W.	59	57	45*	134	3·01	2·89	Rangoon . .	2
																															III.—Bengal.	
6	·810	·683	·792	−·005	79	54	39	62	− 8	1·1	1·7	1·4	−1·2		1			6	18	31		4	S 27° W	S 30° W	75	69	181	168	0·21	0·21	Calcutta . .	6
																															IV.—United Provinces of Agra and Oudh.	
7	·225	·149	·239	−·135	33	13	7	19	−13	1·2	1·2	1·2	−0·5	4	5	1	1		2	2	22	23	N 64° W	N 54° W	71	35	135*	127	0	0	Allahabad. .	10
7	·299	·252	·294	−·017	52	27	19	35	− 2	3·0	4·3	3·7	+0·9	7	3		4	17	16	7	3	3	S 12° E	N 85° W	45	28	57	55	0·75	0·67	Dehra Dun .	11
																															V.—Punjab.	
4	·440	·385	·440	+·045	68	38	27	46	+ 5	2·3	2·8	2·6	−0·3	3	5	7	4	4	5	3	12	17	N 50° W	N 15° W	32	28	90	77	0·82	0·25	Lahore . .	12
																															VIII.—Rajputana.	
7	·299	·236	·290	−·043	39	20	12	26	− 4	1·8	3·1	2·5	0	2	4				2	6	21	25	N 70° W	N 57° W	75	50	133	120	0·02	0·02	Jaipur . .	19
5	·467	·522	·460		52	32	30	37		1·3	1·9	1·6		1	6	1	3	4	4	11	21	9	S 87° W		48		157*		0	0	Udaipur.	
																															IX.—Bombay.	
2	·794	·802	·798	−·043	79	66	65	73	− 4	1·1	0·9	1·0	−0·6		2		1	1	3	6	26	21	N 78° W	N 60° W	73	56	222	254	0	0	Bombay . .	26
																															XI.—Central Provinces.	
3	·371	·343	·348	−·052	32	22	15	24	− 6	1·5	3·5	2·5	−0·7	4	18	3	7	5	6	2	10	5	N 10° W	N 66° W	22	22	113*	144	0	0	Nagpur . .	24
																															XII.—Hyderabad.	
3	·416	·369	·422	−·142	45	25	19	32	−14	2·0	3·9	3·0	+0·2	35		5	3	4		1	1	11	N 1° W	S 9° W	13	5	§ 95*	108	0	0	Hyderabad .	29
																															XIII.—Mysore.	
5	·594	·427	·533	−·022	71	51	31	53	− 2	1·7	4·4	3·0			6	10	12	7	3	9	10	3	N 81° E	S 27° W	10	38	166*	115	0·72	0·27	Bangalore . .	30
0	·614	·486	·587	−·002	81	54	32	58	− 1	4·0	5·9	5·0	−0·7		4	5	9	7	4	10	15	6	S 65° W	N 85° E	17	12	198*	190	3·90	2·40	Mysore.	
																															XIV.—Madras.	
3	·723	·598	·665		80	57	39	59		1·9	4·6	3·3		24	4	4	3	4	6	3	8	4	S 16° W		8		42		3·65	2·61	Periyakulam .	32
72	·752	·665	·730		75	64	41	57		4·7	5·2	5·0		2	2		3	14	12	17	6	4	S 15° W		50		188*		0·97	0·60	Pudukkottai.	
0	·886	·955	·939	+·039	94	61	70	78	0	3·0	1·8	2·4	−1·1					34	12	11	3		S 37° W	S 36° E	73	83	163	182	0	0	Madras.	
																															Station in the Bay.	
1	·902	·891	·913	−·046	88	68	64	76	− 4	5·9	6·9	6·4	+1·8	8	1	8	10	19	2	1	3	8	S 79° E	N 89° E	33	51	140*	115	1·14	0·55	Port Blair .	1
																															Kashmir.	
55	·381	·456	·343	+·013	80	81	75	79	+ 1	5·0	6·4	5·7†	+0·7	4	11	1	1	7	7	4	2	23	N 47° W	N 18° W	33	19	124*	115	10·61	2·49	Srinagar . .	14
25	·099	·098	·107	−·007	68	31	26	42	− 3	5·1	7·6	6·4	−0·1		2	1	1	2	22	14	16	2	S 40° W	S 63° W	63	27	99	74	0·09	0·07	Leh.	
																															Baluchistan.	
48	·213	·195	·212	−·039	75	33	28	45	− 3	2·8	4·8	3·8	+0·5	10	9	1	1	3	5	1	14	16	N 59° W	N 78° W	43	35	77*	84	0·93	0·61	Quetta . .	16

* Corrected. † Mean of three previous columns. ‡ Mean of 29 days. § Mean of 9 days.

Ta

Abstract of observations taken at 10 hrs. and 16 hrs., at 35 stati

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to sea-level and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
	Hill Stations excluding Kashmir and Baluchistan.																					
	Simla	7,224	23·128	23·084	·044	23·098	0	23·060	66·9	53·1	13·8	74·6	43·1	31·5	61·9	63·5	60·6	+1·3	44·3	49·3	49·8	4
	Sarain		·180	·119	·061	·140			66·5	46·1	20·4	74·4	39·3	35·1	61·3	64·0	56·9			47·8	49·2	
	Kalabagh							Register not received.														
	Chakrata	7,022	·308‡	·251	·057	·268	—·001	·229‡	71·6	54·1	17·5	79·4	42·3	37·1	65·4	66·1	63·5	+1·7	45·2	51·5	51·6	4
	Muktesar	7,556	22·899	22·830	·069	22·857		22·815	74·9	55·2	19·7	80·0	47·0	33·0	66·7	69·6	65·6		43·5	49·1	50·8	4
	Katmandu	4,388	25·587	25·483	·104	25·533	†—·016	25·487	87·7	54·9	32·8	95·0	46·9	48·1	77·2	83·2	71·9	†+1·8	51·2	61·4	62·0	5
	Darjeeling	7,376	23·008	22·944	·064	22·974	—·013	22·927	67·6	52·1	15·5	74·1	48·4	25·7	62·2	61·9	60·5	+1·3	48·7	57·1	56·6	5
	Pachmarhi	3,528	26·453	26·344	·109	26·393	—·008	26·340	93·2	69·8	23·4	97·5	59·1	38·4	84·0	91·7	82·1	+0·4	56·1	61·4	62·2	5
	Mount Abu	3,915	·063	25·981	·079	·017	—·005	25·968	83·9	69·0	14·9	89·7	52·9	35·8	78·3	81·7	77·1	−0·9	53·5	58·9	58·9	5
	Chikalda	3,612	·342	26·238	·104	·284	—·019	26·228	94·0	72·0	22·0	97·7	64·5	33·2	84·9	91·7	83·6	+0·5	56·6	61·4	63·8	6
	Ootacamund	7,322	23·063	22·982	·081	23·021		22·957	71·5	52·1	19·4	74·5	48·3	26·2	68·1	65·9	62·5		47·8	55·3	56·3	5
	Kodaikanal	7,688	22·862	·790	·072	22·822		·761	70·5	54·8	15·7	75·2	51·8	23·4	66·3	64·0	62·6		47·8	54·8	57·7	5
	Dodabetta	8,539?	·042	21·991	·051	·015		21·952	65·5	51·4	14·1	68·0	44·1	23·9	62·7	61·8	59·1		45·9	51·0	52·6	4
	Extra India.																					
	Minicoy	7	29·932	29·832	·100	29·886																
	Zanzibar	72	·926	·811	·115	·873	—·025	29·871	86·5	78·3	8·2	90·9	74·2	16·7	82·4	85·8	80·6	+1·2	74·5	78·1	77·8	7
	Diego Garcia									Register not received.												
	Seychelles	15	·934	·845	·089	·893	†—·013	·831	85·8	78·8	7·0	88·0	76·5	11·5	83·7	84·1	81·0	†+1·6	74·0	77·7	78·2	7
	Mauritius	181				·812	—·021	·939				85·8	63·0	22·8			75·4	+0·1				7

N.B.—Elevations in italics indicate barometrical determinations. ‡ Mean of 29 days. § Mean of 29½ days.

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

A —*concluded.*

n India, etc., in April, 1908—concluded.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of subdivision.
														Total number of 10 hrs. and 16 hrs. winds from																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles, per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															Hill Stations excluding Kashmir and Baluchistan.	
202	·222	·216	·206	—·005	52	42	39	44	+ 1	3·5	4·9	4·2	0	4	20	1	1	1	22	3	4	4	S 78° W	N 81° W	12	10	163*	149	3·75	1·28	Simla.	
	·195	·200				40	37			4·0	5·5	4·8		10	2	12	1	1	12	15	5	2	S 30° W		22		81*		4·76	1·28	Sara'n.	
													Re	gist'er n ot r eceived.																Kalabagh.	
·211	·239	·234	·221	+·016	53	41	39	44	+ 2	2·6	3·5	3·1	—0·5	20	12	1		4	18			5	S	S 54° W	77	23	156*	180	1·78	0·85	Chakrata.	
·165	·169	·179	·164		39	26	26	30		2·9	4·6	3·8		13	2	2			2	3	37	1	W		64		188*		0·34	0·19	Muktesar.	
·336	·367	·314	·332	—·028	77	40	30	49	— 9	0·9	2·9	1·9	—2·1	1		2	22			2	33		W	N 87° W	18	42	40	36	0·95	0·36	Katmandu.	
·316	·415	·406	·372	+·053	80	75	74	76	0	5·4	7·0	6·2	0	4	1	1	1			17	19	17	N 88° W	S 75° W	68	32	156*	206	1·24	0·48	Darjeeling.	
·298	·289	·229	·264	—·007	43	26	16	27	0	0·1	0·3	0·2	—2·3	5	7	8		1	1	6	10	22	N 46° W	N 63° W	53	44	§169*	144	0·05	0·05	Pachmarhi.	
·237	·222	·242	·226	—·019	33	23	23	26	0	1·3	1·3	1·3	—0·5		3	3				26	20	8	S 80° W	S 87° W	71	56	227*	211	0	0	Mount Abu.	
·288	·276	·268	·269	—·009	36	23	18	25	— 1	2·6	4·0	3·3	+0·6	2	6	2		1	2	12	1	34	N 57° W	N 46° W	62	35	176*	197	0·41	0·20	Chikalda.	
·290	·308	·358	·310		74	45	56	59		3·3	6·4	4·9		1	1	9	33	10	1		1	4	N 87° E		72		124*		2·00	0·56	Ootacamund.	
·280	·319	·416	·338		65	50	71	62		2·4	5·4	3·9			12	12	21	10	4			1	N 74° E		62		297		3·41	0·76	Kodaikanal.	
·254	·255	·302	·265		67	45	55	57		3·6	5·6	4·6			10	25	18	6				1	N 58° E		77		476*		0·96	0·27	Dodabetta.	
																															Extra India.	
										3·2	3·9	3·6			11	10	1			1	7	30	N 28° W		73		114*		6·38	2·76	Minicoy.	
·808	·905	·849	·894	+·004	83	82	69	82	— 3	6·8	6·2	6·5	+0·5	7	3	2	1	15	19	9	3	1	S 6° E	S 5° E	52	81	113*	170	10·47	1·54	Zanzibar.	
													Regis	ter	not	rece	ived													Diego Garcia.	
·784	·878	·894	·877	+·014	79	76	76	80	0	5·7	6·1	5·9	+0·8†	14	5	6	5	18	6	1	2	3	S 64° E	N 8° E	32	9	100	112	10·52	2·80	Seychelles.	
			·870	—·034				76	— 5			5·1	—0·6										S 76° E	S 70° E			251	252	7·91	3·00	Mauritius.	

† Departures from old normals.

* Corrected.

Table B.—Abstract of observations taken at 8 hrs., at 238 stations in India, etc., in April, 1908.

(1) Provincial means.

(2) Data of stations.

(1) Provincial means based on the material in Table B (2) except that the statement of rainfall depends on the complete data of about 2,700 stations.

	Pressure departure from normal.	Temperature of air.								Wind.		Hygrometry.				Cloud.		Rainfall.		
		Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Absolute range during month.	Departure of velocity from normal.	Departure of steadiness from normal.	Mean humidity.	Departure from normal.	Mean vapour tension.	Departure from normal.	Mean cloud amount.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.
Burma	—·030	97·4	+0·4	76·6	+2·3	87·0	+1·4	20·8	30·5	—0·5	0	72	+1	·787	+·031	2·6	—0·7	0·94	1·46	—0·52
Eastern Bengal and Assam	—·045	94·3	+3·7	73·3	+2·2	83·8	+3·0	21·0	34·9	—0·7	+5	78	—2	·791	+·033	4·1	—1·0	5·42	6·51	—1·09
Bengal	—·043	103·2	+3·4	76·8	+2·5	90·0	+3·0	26·4	37·5	+0·1	+6	58	—4	·665	—·016	1·7	—0·8	0·16	1·13	—0·97
United Provinces of Agra and Oudh	—·033	103·4	+2·9	73·3	+2·6	88·4	+2·8	30·2	45·7	+0·5	+24	37	—4	·426	—·012	1·1	—0·4	0·08	0·18	—0·10
Punjab	—·023	95·7	—1·5	68·7	+1·4	82·2	—0·1	27·0	49·6	+0·7	+9	48	+3	·433	+·008	2·5	+0·3	1·32	0·43	+0·89
North-West Frontier Province	—·028	87·7	—3·1	64·4	+0·9	76·0	—1·1	23·3	44·3	—0·8	0	64	+6	·508	+·029	4·8	+2·0	5·84	1·31	+4·53
Sind	—·016	98·2	—0·6	71·6	—0·1	85·0	—0·3	26·6	50·7	—0·9	+19	59	+5	·621	+·046	2·5	+0·6	0·20	0·13	+0·07
Rajputana	—·013	101·4	+0·4	73·6	+0·7	87·5	+0·6	27·8	52·6	+1·5	+22	33	—3	·370	—·040	1·7	—0·1	0·03	0·09	—0·06
Bombay	—·005	96·8	—0·1	73·6	—0·2	85·2	—0·2	23·2	36·7	+0·2	—1	56	—3	·602	—·036	1·7	—0·5	0·31	0·47	—0·16
Central India	—·008	102·0	+0·4	73·2	+2·2	87·6	+1·3	28·8	45·2	—0·2	+19	34	—1	·405	—·009	2·0	+0·8	0·03	0·07	—0·04
Central Provinces	—·013	104·7	+1·0	75·4	+0·4	90·1	+0·7	29·3	41·7	+0·8	+13	25	—10	·307	—·118	2·2	+0·2	0·22	0·29	—0·07
Hyderabad	—·014	104·0	+2·1	78·2	+1·4	91·1	+1·8	25·9	40·6	—0·9	—1	40	—11	492	—·092	2·2	+0·1	0·12	0·59	—0·47
Mysore	—·019	95·0	+1·5	70·1	+0·7	82·6	+1·1	24·9	32·6	+1·4	+9	73	+2	·668	+·022	2·9	—0·8	1·72	1·20	+0·52
Madras	—·027	97·0	+1·0	78·7	+1·1	87·3	+1·0	18·3	29·5	+0·5	+12	71	—1	·838	—·002	3·4	—0·3	0·77	1·21	—0·44

Table

(2) *Abstract of observations taken at 8 hrs., at 238 stations*

Number of subdivision	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma.																						
2	Mergui	56	29·847	—·016	29·834	29·903	13th & 14th.	29·801	5th	·102	82·0	92·5	+0·6	75·9	+2·2	84·2	+1·4	16·6	95·9	12th & 13th.	73·4	6 days.	22·5
	Tavoy	19	29·902	—·019	29·852	29·960	13th	29·845	7th	·115	80·2	94·1	+0·1	75·9	+1·7	85·0	+0·9	18·2	97·5	13th	73·3	8th & 22nd.	24·2
	Moulmein	94	29·802	—·015	29·833	29·880	13th	29·745	7th	·135	82·6	94·0	—0·6	77·6	+1·2	85·8	+0·3	16·4	97·5	5th, 6th & 15th.	71·8	8th	25·7
	Rangoon	36	29·839	—·034	29·812	29·931	13th	29·792	6th	·139	81·4	97·9	—0·7	77·4	+1·2	87·7	+0·3	20·5	102·1	6th	72·9	23rd	29·2
	Bassein	27?	29·815	—·024	29·809	29·928	13th	29·785	6th	·143	82·6	96·9	+0·7	76·8	+1·3	86·9	+1·0	20·1	99·7	23rd & 30th.	73·4	2nd & 3rd.	26·3
	Diamond Island	41	29·852	—·023	29·828	29·942	13th	29·801	6th	·141	83·9	88·3	—0·4	80·7	+2·4	84·5	+1·0	7·6	91·4	28th & 30th.	78·2	2nd	13·2
	Toungoo	164	29·698	—·024	29·803	29·763	13th	29·642	7th	·141	85·5	101·4	+1·0	79·1	+3·1	90·2	+2·1	22·3	105·4	30th	72·6	27th	32·8
	Kyaukpyu††	?	29·846		29·805	29·895	30th	29·809	28th	·086													
	Akyab	20	29·836	—·042	29·799	29·911	13th	29·773	27th	·138	82·6	91·4	—0·4	78·1	+2·1	84·8	+0·9	13·3	95·9	15th	73·3	25th	22·6
3	Thayetmyo	121	29·720	—·025	29·781	29·803	13th	29·657	27th	·146	85·6	104·8	+1·8	78·9	+3·1	91·9	+2·5	25·9	107·0	11th	73·9	2nd	33·1
	Minbu	*165*	29·671	—·020	29·779	29·743	23rd	29·605	6th	·138	84·9	105·9	+2·5	80·4	+3·5	93·2	+3·0	25·5	108·7	5th & 14th.	74·1	27th	34·6
	Yamethin	657	29·155	—·046	29·759	29·236	23rd	29·073	7th	·163	83·8	101·2	—1·1	79·5	+3·4	90·4	+1·2	21·7	110·3	12th & 14th,	72·0	27th	38·3
	Mandalay	250	29·554	—·042	29·751	29·641	23rd	29·478	7th	·163	86·9	104·4	+2·1	81·7	+3·9	93·1	+3·0	22·7	108·0	4th, 8th & 15th,	73·3	23rd & 24th.	34·7
	Monywa	*280*	29·552		29·771	29·643	21st	29·483	6th	·160	85·2	105·2		79·4		92·3		25·8	109·3	4th & 14th.	71·6	24th	37·7
	Lashio	*2,751*	27·063	—·050	27·009	27·207	21st	26·992	7th	·215	70·6	88·8	—2·1	63·8	+0·9	76·3	—0·6	25·0	97·3	15th	58·0	9th, 21st & 22nd.	39·3
	Bhamo	*381*	29·433	—·039	29·774	29·547	20th	29·371	6th	·176	75·2	96·2	+2·3	69·4	+1·8	82·9	+2·1	26·8	102·4	15th & 23rd.	65·6	22nd & 24th.	36·8
	Myitkyina	458	29·340		29·761	29·453	21st	29·257	6th	·196	76·6	94·6		70·7		82·7		23·9	101·7	22nd & 23rd,	64·6	9th	37·1
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	353	29·461		29·780	29·593	20th	29·378	26th	·215	72·0	84·0		68·6		76·3		15·4	93·9	13th, 14th & 23rd,	62·6	9th	31·3
	Sibsagar	333	29·503	—·044	29·799	29·624	21st	29·432	26th	·192	72·6	84·3	+1·8	68·8	+2·3	76·5	+2·1	15·5	93·6	14th	61·2	5th	32·4
	Tezpur	252	29·542		29·756	29·689	21st	29·476	6th	·213	74·0	86·2		70·2		79·2		18·0	98·1	2nd	65·9	9th & 20th,	32·2
	Gauhati	195	29·616		29·769	29·751	20th	29·531	2nd	·220	75·8	91·4		70·0		80·7		21·4	99·5	2nd	63·1	21st	36·4
	Dhubri	115	29·659	—·062	29·731	29·793	21st	29·568	2nd	·225	76·3	93·0	+4·3	72·6	+1·9	82·8	+3·1	20·4	100·2	23rd	68·8	17th	31·4
	Silchar	104	29·741	—·036	29·798	29·846	20th	29·670	2nd	·176	78·2	93·9	+5·4	71·2	+2·0	82·6	+3·7	22·7	101·5	2nd	64·8	20th	36·7
	Cox's Bazar**		29·819			29·895	21st	29·708	27th	·187													
5	Chittagong	87	29·750	—·041	29·785	29·841	13th	29·679	7th	·162	81·5	91·0	+2·1	74·6	+0·9	82·8	+1·5	16·4	94·6	17th	64·9	27th	29·7
	Noakhali	43	29·778		29·768	29·885	21st	29·710	2nd	·175	83·3	90·0		77·4		83·7		12·6	94·8	23rd	68·9	24th & 25th,	25·9
	Barisal	12	29·797	—·036	29·755	29·921	21st	29·676	2nd	·245	84·6	94·7	+2·5	77·8	+2·4	86·3	+2·5	16·9	98·8	1st, 17th & 23rd,	72·6	26th	26·2
	Comilla	36	29·779		29·763	29·893	21st	29·699	26th	·194	82·2	95·5		75·2		85·4		20·3	102·3	15th & 18th.	67·3	24th & 25th,	35·0
	Narayanganj	26	29·771	—·037	29·748	29·898	21st	29·703	26th	·195	81·7	95·8	+2·6	76·2	+1·9	86·0	+2·3	19·6	102·0	18th	67·3	25th	34·7
	Faridpur	46	29·746		29·742	29·899	21st	29·655	2nd	·244	81·2	97·8		75·2		86·5		22·6	103·8	3rd	69·9	23rd & 25th.	33·9
	Sirajganj	49	29·733		29·732	29·876	21st	29·639	2nd	·237	80·4	99·8		74·3		87·1		25·5	107·8	12th	66·8	25th	41·0
	Mymensingh	63	29·744	—·032	29·759	29·861	21st	29·666	2nd	·195	80·3	95·2	+4·4	74·0	+1·8	84·6	+3·1	21·2	102·1	3rd, 15th & 19th.	65·6	25th	36·5
	Bogra	75	29·698	—·052	29·726	29·843	21st	29·609	2nd	·234	81·4	100·8	+4·6	74·7	+2·8	87·8	+3·7	26·1	108·2	12th & 14th.	67·2	25th	41·0
	Rampur Boalia	70	29·691		29·710	29·851	21st	29·587	2nd	·264	84·5	104·0		76·0		90·0		28·9	109·1	7th	68·6	16th	40·5
	Malda	72	29·667		29·691	29·822	21st	29·569	6th	·253	82·0	100·8		73·9		87·4		26·9	104·8	7th & 12th.	67·0	16th	37·8
	Dinajpur	128	29·631	—·062	29·710	29·788	21st	29·515	2nd	·273	79·4	99·1	+4·5	72·1	+1·4	85·6	+3·0	27·0	106·3	7th	63·0	16th	43·3
	Rangpur	128	29·650		29·729	29·806	21st	29·558	2nd	·248	80·5	95·5		71·8		83·7		23·7	102·6	14th	61·5	16th	41·1

N.B.—Elevations in italics indicate barometric determinations.

** Observations of 16 days.

†† " 3 "

NOTE.—The barometrical readings are not reduced to sea-level in the cases of hill or plateau

B.

in India, etc., in April, 1908.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 30th April 1908.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec. 1907 to 30th April 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																I.—Burma.
30									(a)	N 8° W	1·6	2·3	−0·7			83	+ 2	·892	−·001	0·8	−3·8	7	6·70	+0·30	6·70	6·54	+ 0·16	10·78	12·84	− 2·06	2·74	Mergui.
30									(a)	N 27° W	1·1†	1·6	−0·5			85	+ 2	·873	+·006	4·1	−0·2	5	5·30	−0·30	1·97	3·78	− 1·81	2·31	5·91	− 3·63	0·55	Tavoy.
6	1	3	1	4	7	3	2	3	S 2° W	S 31° E	5·2	3·9	+1·3	22	−23	83	+ 4	·923	+·062	4·7	+0·7	4	5·00	−1·00	2·59	3·11	− 0·61	2·65	4·13	− 1·48	0·90	Moulmein.
3		2			3	8	10	4	S 76° W	S 61° W	3·2	5·6	−2·4	56	−14	80	0	·862	+·014	2·6	−0·5	2	2·20	−0·20	3·01	1·83	+ 1·18	4·38	2·55	+ 1·83	2·89	Rangoon.
3	1				2	7	14	3	S 80° W	N 55° W	7·0†	6·1	+0·9	69	+ 2	79	0	·887	+·017	1·8	−1·7	1	2·10	−1·10	0·24	1·55	− 1·31	3·46	2·12	+ 1·34	0·24	Bassein.
1	2			1		2	19	14	N 64° W	N 47° W	8·7	8·5	+0·2	76	+13	73	− 1	·857	+·008	2·1	−2·1	0	2·09	−2·09	0	1·46	− 1·46	6·37	2·49	+ 3·88	0	Diamond Island.
3				16	8	3			S 25° E	S 28° E	5·0	4·6	+0·4	76	+ 2	72	− 1	·877	+·029	3·8	+1·0	1	3·10	−2·10	0·38	2·28	− 1·90	2·58	2·79	− 0·21	0·32	Toungoo.
							2		N 45° W					50						3·3		0			0			0 ‖			0	Kyaukpyu.‡‡
7	1	2	7	6	2	1	3	1	S 65° E	N 48° E	4·1	3·8	+0·3	30	−17	86	+ 6	·962	+·077	3·9	−0·6	0	1·80	−1·80	0·02	1·28	− 1·26	3·65	2·68	+ 0·37	0·02	Akyab.
				2	14	14			S 19° W	S 10° W	6·9‡	6·5	+0·4	89	+26	60	− 2	·739	+·004	0·5	−0·6	1	1·60	−0·60	0·29	0·90	− 0·61	1·89	1·14	+ 0·75	0·29	Thayetmyo.
1		1		23	3			1	S 42° E	S 45° E	4·7	9·7	−5·0	79	+31	60	0	·729	+·052	1·7	+0·5	1	1·20	−0·20	0·84	0·85	− 0·01	1·22	1·55	− 0·33	0·77	Minbu.
1				16	11	2			S 23° E	S 28° E	6·4	6·8	−0·4	86	+15	69	+ 4	·791	+·049	0·9	−0·1	1	3·60	−2·60	0·39	1·52	− 1·13	1·61	2·68	− 1·07	0·33	Yamethin.
2	5	1	1	8	8	1		4	S 34° E	S 3° W	6·5	6·3	+0·2	23	−24	55	− 4	·695	−·015†	1·2	−1·2	5	2·40	+2·60	2·61	1·12	+ 1·49	3·85	1·67	+ 2·18	1·00	Mandalay.
5	2	1	6	11	2		1	2	S 65° E		3·3			43		54		·651		1·7		4	2·00	+2·00	1·98	0·71	+ 1·27	2·87	1·10	+ 1·77	1·16	Monywa.
6		4	1			1	4	3	S 89° W		4·2‡			9		75	+ 5	·558	+·047	4·2	−1·3	7			3·69	2·20	+ 1·49	8·12	4·12	+ 4·00	1·42	Lashio.
20	1	7				1	1		N 32° E	N 14° W	2·1	4·2	−1·8	20	−13	76	+ 2	·667	+ ·033	4·0	+0·2	4	4·80	−0·80	1·62	1·66	− 0·04	5·63	3·85	+ 1·78	0·57	Bhamo.
3	1	4	5	7					S 85° E.		2·8‡ ‖			43		69		·627		3·5		3			0·75			2·70			0·30	Myitkyina.
																																II.—Eastern Bengal and Assam.
0									(a)		0·5					85		·659		6·6		11	13·50	−2·50	14·55	9·76	+ 4·79	20·08	19·99	+ 0·09	5·30	Dibrugarh.
1	2	10		2		1		1	N 43° E	N 48° E	2·4	3·3	−0·9	33	−20	89	− 1	·715	+ ·026	6·3	−0·6	13	14·59	−1·50	8 44	9·50	− 1·06	13·06	18·47	− 5·41	1·63	Sibsagar.
5		15	8	2		2			N 67° E		7·1			69		83		·704		3·1		11	11·00		5·13	5·92	− 0·79	7·54	10·55	− 3·01	1·09	Tezpur.
5	4	7	2	1	1		2		N 38° E		2·7			30		80		·715		7·9		8	10·20	−2·20	6·31	5·87	+ 0·44	7·82	10·30	− 2·48	2·81	Gauhati.
2		3	19	3	1	2			S 85° E	N 72° E	8·7*	8·7	0	72	+ 9	79	0	·720	+·033	2·8	−2·2	4	7·40	−3·40	2·19	4·73	− 2·54	4·55	7·59	− 3·04	1·10	Dhubri.
4			7	8				1	S 61° E	N 82° E	5·5	3·4	+2·1	43	+18	78	− 5	·755	+·025	1·9	−4·2	10	13·70	−3·70	3·01	13·61	−10·60	5·92	25·71	−19·79	1·08	Silchar.
			1	8	5	1	1		S 23° E		7·5‡§§									4·1		1			1·16			1·16§			1·16	Cox's Bazar.
3		1		22	4				S 41° E	S 47° E	4·7	6·9	−2·2	79	+22	81	+ 1	·878	+·038	3·8	−0·6	5	4·42	+0·58	7·90	3·85	+ 4·05	10·69	8·72	+ 1·97	3·62	Chittagong.
1				7	18	2	2		S 5° E		6·9			80		79		·893		3·6		4	4·61	−0·61	2·55	4·66	− 2·11	4·17	9·23	− 5·06	1·08	Noakhali.
3				5	13	6			S 2° W	S 8° W	2·5	5·7	−3·2	69	+14	82	0	·968	+·065	3·0	−1·9	0	4·29	−4·29	0·03	3·12	− 3·09	1·90	7·39	− 5·49	0·03	Barisal.
3		1	2	24					S 5° E		5·2			83		80		·897		3·4		1	6·46	−2·46	3·35	6·27	− 2·92	5·11	10·74	− 5·63	1·40	Comilla.
		3	1	16	9	1			S 9° W	S 10° E	6·5	7·3	−0·8	79	+22	82	0	·889	+·039	5·7	−0·2	6	6·59	−0·59	2·93	4·51	− 1·58	4·53	9·08	− 4·55	1·50	Narayanganj.
		2	3	20	2				S 7° E		6·2			80		84		·893		5·1		4	6·00	−2·00	1·67	4·16	− 2·49	4 65	8·35	− 3 70	0 53	Faridpur.
	1	4	6	14	2				S 28° E		6·8			57		82		·851		6·8		5	4·60	+0·40	4·14	2·95	+ 1·19	5·63	5·70	− 0·07	2·00	Sirajganj.
		11	12	4			1		S 53° E	S 68° E	3·7	4·3	−0·6	72	+ 2	78	− 4	·805	+·033	6·2	+0·9	9	6·23	+2·77	8·26	5·37	+ 2·89	11·64	8·98	+ 2·66	2 38	Mymensingh.
		12	4	2					S 72° E	S 63° E	3·4	4·6	−1·2	53	− 6	73	− 4	·788	+·028	2·0	−1·8	4	3·81	+0·19	1·28	2·01	− 0·79	5·11	4·84	+ 0·27	0·40	Bogra.
				3	1				S 14° W		2·5			13		69		·842		2·0		0	2·95	−2·95	0·06	1·81	− 1·75	2·01	4·21	− 2·20	0·06	Rampur Boalia.
1	5	3	6	7	5		1		S 35° E		6·1			40		69		·749		1·0		0	1·81	−1·81	0	1·35	− 1·35	3·99	3·84	+ 0·15	0	Malda.
	5	16	2	1	2	2	1		N 89° E	N 86° E	5·5	5·6	−0·1	56	+ 8	69	+ 3	·690	+·011	3·5	−0·6	3	3·21	−0·21	3 23	2·33	+ 0·90	5·80	3·92	+ 1·88	2·08	Dinajpur.
	4	7	7	3		2	1		S 72° E		3·2			43		71		·738		1·8		4	4·39	−0·39	2·86	3·16	− 0·50	4·02	5·33	− 1·31	1·20	Rangpur.

tions, the elevations of which exceed 3,200 feet.

‡ Uncorrected.
‡‡ Wind observations of 2 days.

* Mean of 29 days.
† Mean of 27 days.
‖‖ Mean of 26 days.

§ Rainfall since 15th April 1908.
‖ „ 28th „
(a) Indeterminate.
§§ Mean of 15 days.

Tab

(2) *Abstract of observations taken at 8 hrs., at 238 statio*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	2
	II.—Eastern Bengal and Assam—*concld.*																						
5	Jalpaiguri	283	29·501	—·047	29·743	29·657	21st	29·418	6th	·239	79·3	94·8	+4·8	72·3	+4·1	83·3	+4·5	22·0	99·4	23rd	65·6	16th	33
	Cooch Behar	156	29·634		29·747	29·776	20th	29·557	2nd & 6th.	·219	78·1	91·7		72·0		81·8		19·7	97·3	23rd	64·6	15th	32
	III.—Bengal.																						
6	Saugor Island	25	29·759	—·044	29·728	29·886	21st	29·653	26th	·233	84·3	92·5	+1·7	81·7	+1·8	87·1	+1·8	10·8	103·0	16th	77·5	16th	25
	Midnapore	149	29·619		29·714	29·728	21st	29·513	26th	·215	86·2	107·9		79·3		93·6		28·6	111·8	3rd	73·7	17th	38
	Calcutta	21	29·757	—·045	29·724	29·876	21st	29·676	26th	·200	84·4	101·0	+5·4	78·8	+3·1	90·0	+4·3	22·2	107·1	3rd	72·7	16th	34
	Jessore	33	29·751	—·044	29·731	29·898	21st	29·660	7th	·238	84·3	99·8	+2·6	77·4	+2·3	88·6	+2·5	22·4	106·0	3rd	69·2	16th	36
	Krishnagar	47	29·720		29·716	29·864	21st	29·639	7th	·225	83·3	104·9		76·8		90·9		28·1	110·1	10th	68·0	16th	42
	Burdwan	99	29·664	—·055	29·711	29·816	21st	29·580	7th	·236	83·7	105·9	+5·3	77·7	+2·0	91·8	+3·7	28·2	110·9	10th & 11th.	69·8	16th	41
	Bankura	313	29·435		29·696	29·576	21st	29·346	26th	·230	86·9	108·4		79·6		94·0		28·8	112·1	7th, 11th & 12th.	73·2	15th	38
	Raniganj	334	29·431		29·715	29·574	21st	29·345	27th	·229	85·7	107·9		79·1		93·6		28·8	111·5	10th	71·5	15th	40
	Berhampore	67	29·692	—·048	29·708	29·858	21st	29·599	2nd	·259	84·6	105·7	+5·7	77·6	+3·0	91·7	+4·4	28·1	110·3	7th, 8th & 12th.	70·2	16th	40
	Naya Dumka	489	29·264		29·705	29·409	21st	29·180	27th	·229	86·6	105·8		77·4		91·6		28·4	110·4	12th	63·0	16th	47
7	Balasore	50	29·731	—·038	29·725	29·852	21st	29·619	26th	·233	84·8	101·5	+4·0	78·7	+2·7	90·1	+3·4	22·8	107·4	13th	72·3	16th	35
	False Point	21	29·789	—·033	29·751	29·910	21st	29·668	27th	·242	83·2	88·9*	−1·0	78·4	+0·8	83·8*	−0·1	10·5	97·1	1st	71·6	4th	25
	Cuttack	80	29·714	—·039	29·737	29·839	21st	29·598	27th	·241	83·0	104·6	+2·6	75·4	+1·4	92·0	+2·0	25·2	110·4	26th	75·2	16th	35
	Puri	24	29·782		29·745	29·897	21st	29·676	27th	·221	81·6	87·8		79·0		83·4		8·8	91·1	5th	73·6	4th	17
	Angul	455	29·337		29·746	29·456	21st	29·216	27th	·240	83·6	106·0		77·1		91·6		28·9	111·1	28th	70·0	17th	41
	Sambalpur	486	29·298	—·042	29·726	29·400	16th	29·178	26th	·222	83·4	106·6	+2·3	76·9	+1·3	91·8	+1·8	29·7	111·1	26th & 27th.	69·6	16th	41
8	Chaibassa	*733*	29·036 ?	—·033	29·718	29·151	21st	28·924	27th	·227	83·3	108·5	+4·9	78·3	+2·3	93·4	+3·6	30·2	111·3	25th	71·7	15th	39
	Ranchi	2,128	27·680	—·019	29·726	27·807	13th	27·568	26th	·239	84·7	100·3	+3·2	76·6	+4·5	88·5	+3·9	23·7	104·2	25th	72·4	9th, 16th & 21st,	31
	Purulia	*816*	28·927†		29·688†	29·051	13th	28·815	26th	·236	82·0	108·3		78·4		93·4		29·9	111·5	10th & 11th.	72·6	16th	38
	Hazaribagh	2,007	27·780	—·028	29·700	27·908	13th	27·672	26th	·236	87·4	100·3	+2·2	75·8	+3·3	88·1	+2·8	24·5	104·7	25th	69·3	16th	35
	Daltonganj	*730*	29·045		29·732	29·198	14th	28·924	26th	·274	81·3	106·2		72·2		89·2		34·0	111·0	25th	66·5	20th	44
9	Purnea	122	29·623	—·052	29·703	29·788	21st	29·529	6th	·259	77·1	101·6	+4·6	72·4	+2·4	87·0	+3·5	29·2	107·2	7th	67·7	15th	39
	Bhagalpur	160	29·582		29·694	29·733	21st	29·500	6th, 27th & 28th.	·233	85·1	103·5		75·5		89·5		28·0	108·2	30th	74·3	10th	36
	Monghyr	155	29·581		29·687	29·726	21st	29·502	27th	·224	84·6	102·7		75·4		89·0		27·3	105·9	4 days	71·9	4 days	34
	Darbhanga	165	29·576	—·055	29·697	29·732	21st	29·478	6th	·254	80·5	101·9	+5·8	72·6	+0·7	87·3	+3·3	29·3	106·1	7th	66·3	16th	39
	Pusa	166	29·564		29·685	29·718	21st	29·483	7th	·235	82·3	104·2		72·5		88·3		31·7	109·7	14th	67·7	16th	42
	Muzaffarpur	178	29·567		29·699	29·715	21st	29·484	6th	·231	85·5	102·9		73·3		88·1		29·6	107·7	14th	68·5	15th	39
	Motihari	224	29·498†		29·683†	29·669	21st	29·373	8th	·296	78·7	102·5		70·6		86·5		31·9	107·9	14th	60·3	16th	47
	Chapra	181	29·548‡		29·683‡	29·655	21st	29·449	7th	·236	82·8	104·5		74·9§		89·7§		29·6	109·7	12th	65·1	2nd	44
	Patna	183	29·550	—·057	29·685	29·674	21st	29·458	7th	·216	86·5	102·2	+1·6	77·6	+4·1	89·9	+2·9	24·6	105·5	12th	74·7	14th, 15th & 16th.	30
	Arrah	190	29·550		29·692	29·683	13th	29·459	7th	·224	85·4	105·3		75·4		90·4		29·9	109·9	12th	69·2	20th	40
	Buxar	239	29·492		29·686	29·644	13th	29·392	27th	·252	85·2	105·2		76·8		91·0		28·4	108·5	22nd & 30th.	72·6	14th & 20th.	35
	Dehri	251	29·382		29·684	29·549	14th	29·271	26th	·278	86·7	106·6		79·0		92·8		27·6	110·3	25th & 30th.	72·0	16th	38
	Gaya	375	29·360	—·054	29·685	29·506	13th	29·255	26th	·251	87·	106·1	+2·7	79·2	+4·3	92·7	+3·5	26·9	109·4	23rd & 30th.	73·7	20th	35
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·467	—·048	29·680	29·607	21st	29·377	7th	·230	85·6	104·9	+4·5	75·7	+3·3	90·3	+3·9	29·2	108·6	30th	69·5	20th	39
	Benares	267	29·482	—·036	29·701	29·652	14th	29·372	26th	·280	87·1	105·4	+2·3	74·4	+2·5	89·9	+2·4	31·0	109·1	25th	67·1	20th	42
	Allahabad	309	29·430	—·050	29·691	29·620	13th	29·323	26th	·297	86·5	107·0	+3·2	75·1	+2·7	91·1	+3·0	31·9	112·6	22nd	66·5	14th	46

N.B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometrical readings are not reduced to sea-level, in the cases of hill or plateau

* Mean of 26 days.

† Mean of 29 days.

‡ Mean of 27 days.

B—*continued.*

in India, etc., in April, 1908—continued.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 30th April 1908.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec. 1907 to 30th April 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																II.—Eastern Bengal and Assam—*concld.*
14		1	4	10		1			S 58° E	N 88° E	2·6			43	−24	70	− 6	·710	+ ·033	4·2	+1·4	2	5·53	− 3·53	0·64	3·85	− 3·21	1·87	6·07	−4·20	0·46	Jalpaiguri.
14		3	4	8	1				S 67° E		2·3			43		77		·743		4·3		4	7·41	− 3·41	1·42	5·88	− 4·46	2·95	8·47	− 5·52	0·48	Cooch Behar.
																																III.—Bengal.
	1			1	21	6		1	S 10° W	S 18° W	¶ 22·4	17·9	+4·5	79	+ 2	82	+ 2	·964	+ ·036	5·2	−0·6	0	2·00	− 2·00	0	0·85	− 0·85	1·78	3·84	− 2·06	0	Saugor Island.
	2	1			27				S 2° E		5·6			80		59		·727		0·7		0	3·10	− 3·10	0·04	1·78	− 1·74	2·82	5·29	− 2·47	0·04	Midnapore.
	1								S 21° W	S 25° W	7·5	7·0	+0·5	79	+ 9	76	− 2	·913	+ ·060	2·4	−1·0	1	2·92	− 1·92	0·21	1·43	− 1·22	1·60	4·16	− 2·56	0·21	Calcutta.
				4	9	16			S 8° E	S 1° E	2·0	4·1	−2·1	46	− 6	80	− 1	·923	+ ·036	3·3	−1·4	4	4·68	− 0·68	1·60	3·18	− 1·58	6·20	6·91	− 0·71	1·01	Jessore.
12				6	9	2		1	S 17° W		4·0			47		76		·861		2·1		1	3·39	− 2·39	1·36	2·43	− 1·07	3·45	5·17	− 1·72	1·35	Krishnagar.
10			1	2	9	5	2	1	S 35° W	S 27° W	4·5	4·8	−0·3	66	+ 6	69	− 1	·794	+ ·030	1·7	−1·6	3	3·48	− 0·48	1·25	1·75	− 0·50	3·74	4·41	− 0·67	0·56	Burdwan.
1	2		1		9	14	2	1	S 1° E		3·1			10		52		·652		0·2		0	3·00	− 3·00	0	1·53	− 1·53	2·77	4·33	− 1·56	0	Bankura.
21				4	2	1	2		S 9° W		2·7			20		52		·637		1·6		0	2·47	− 2·47	0	1·59	− 1·59	2·75	3·91	− 1·16	0	Raniganj.
13			2	5	2	3	2	3	S 12° W	S 2° E	5·2	4·8	+0·4	76	+19	60	−16	·709	− ·078	2·7	−1·1	0	2·56	− 2·56	0·05	1·24	− 1·19	2·03	3·70	− 1·67	0·05	Berhampore.
			3	1	14	11		1	S 9° E		4·5			20		41		·509		0·9		0	2·38	− 2·38	0	1·02	− 1·02	2·14	3·28	− 1·14	0	Naya Dumka
41			2		6		1		S 35° W	S 29° W	5·4	8·6	−3·2	79	+24	66	−12	·780	− ·093	3·1	−0·9	0	3·58	− 3·58	0·09	1·86	− 1·77	4·95	5·33	− 0·38	0·09	Balasore.
2		1			6	21			S 50° W	S 38° W	12·6	13·8	−1·2	86	+ 9	82	0	·929	+ ·001	4·8	−0·4	0	1·84	− 1·84	0	0·73	− 0·73	4·99	3·98	+ 1·01	0	False Point.
					4	19	6	1	S 24° W	S 39° W	4·1¶	5·0	−0·9	49	−11	77	+ 5	·869	+ ·043	3·3	−0·2	0	1·97	− 1·97	0	0·98	− 0·98	2·30	3·10	− 0·80	0	Cuttack.
8			1	1	10	6	3	1	S 25° W		16·3			93		88		·968		4·4		0	1·17	− 1·17	0	0·80	− 0·80	2·00	3·35	− 1·35	0	Puri.
1				2	25	2		7	S 25° W		6·6			27		62		·716		1·8		1			0·45		1·83			0·45	Angul.
4	2	2	2	5			7	8	N 45° W		4·2	3·9	+0·3	43	+33	42	− 9	·577	− ·033	2·8	+0·6	0	1·50	− 1·50	0·03	0·60	− 0·57	1·61	2·70	− 1·09	0·03	Sambalpur.
	1	1	3	10	4	7	2	2	S 11° E	S 87° E	3·9	2·6	+1·3	59	0	45	−10	·517	− ·128	1·2	−0·6	0	2·06	− 2·06	0	1·36	− 1·36	3·67	3·91	− 0·24	0	Chaibassa.
4	1	2			3	18	2		S 45° W	S 62° W	9·8	7·4	+2·4	59	+11	27§	−17	·317§	− ·165	1·3	−0·2	0	2·16	− 2·16	0	0·84	− 0·84	3·50	3·95	− 0·45	0	Ranchi.
2	2				4	6	10	6	S 84° W	S 51° W	4·7			37		54		·584		2·1		0	2·39	− 2·39	0	0·99	− 0·99	2·41	3·64	− 1·23	0	Purulia.
5	3	1		3	3	1	11	3	W		9·3	8·9	+0·4	59	+ 6	40	+4?	·520	+ ·130	1·2	−0·8	0	1·35	− 1·35	0	0·39	− 0·39	4·48	2·63	+ 1·85	0	Hazaribagh.
1	3				3	10	6	7	S 84° W	S 55° W	4·4			3		60		·655		1·3		0	0·70	− 0·70	0	0·27	− 0·27	4·39	2·48	+ 1·91	0	Daltonganj.
25	2		1		1	1			N 45° E		4·3	4·7	−0·4	33	−27	73	+ 6	·674	+ ·023	1·0	−1·6	1	1·93	− 0·93	0·67	1·22	− 0·55	3·27	2·79	+ 0·48	0·67	Purnea.
14		7	6			2	1		N 67° E	N 68° E	4·5			13		51		·609		1·0		0	1·45	− 1·45	0	0·88	− 0·88	2·17	2·62	− 0·45	0	Bhagalpur.
12	1	4	5	2		1	5		N 63° E		8·6			3		60		·708		0·4		0			0			3·71			0	Monghyr.
2	1	1	11	3		1	10	1	S 79° E		3·7	5·7	−2·0	46	− 7	65	+ 3	·691	+ ·068	0·1	−1·1	0	1·47	− 1·47	0·06	0·70	− 0·64	1·68	2·36	− 0·68	0·06	Darbhanga.
8		2	16			1	2	1	N 84° E	S 67° E				27		52		·567		0		0			0			2·89			0	Pusa.
4	3	3	8	4	3		5		S 85° E		5·8			27		52		·583		0		0	0·90	− 0·90	0	0·47	− 0·47	1·45	2·23	− 0·78	0	Muzaffarpur.
7		1	7	7	1	1	4	2	S 54° E		5·2			33		54		·549		0·4		0	1·23	− 1·23	0	0·68	− 0·68	0·88	2·27	− 1·39	0	Motihari.
4	1	7	9	1	1	2	4	1	N 66° E		2·6			8		63‖		·723‖		0		0	0·55	− 0·55	0	0·32	− 0·32	2·13	2·02	+ 0·11	0	Chapra.
8	1	2	4	2	3	7		3	S 2° W		7·3	4·9	+2·4	27	+ 7	42	− 9	·524	− ·032	0	−1·3	0	0·58	− 0·58	0	0·27	− 0·27	2·79	1·92	+ 0·87	0	Patna.
1		1	12		2	9	5		S 11° E	S 81° E	4·5†			30		37		·446		0·2		0	0·55	− 0·55	0	0·47	− 0·47	2·94	2·56	+ 0·38	0	Arrah.
3	1	3	1	4	1	8	7	2	S 58° W		9·7			40		48		·458		0·6		0	0·35	− 0·35	0	0·15	− 0·15	1·88	1·93	− 0·05	0	Buxar.
		2	5	3	1	12	7		S 35° W		5·9			73		28		·363		6·0		0	0·41	− 0·41	0	0·10	− 0·10	3·45	2·06	+ 1·39	0	Dehri.
			2	1	3	17	6	1	S 47° W		4·0	4·8	−0·8	46	+13	46	− 5	·602	+ ·004	1·3	−0·4	0	0·58	− 0·58	0	0·15	− 0·15	3·42	2·09	+ 1·33	0	Gaya.
5		3	1	1	1	6	13		S 74° W	S 31° W																					IV.—United Provinces of Agra and Oudh.
11	1	3	4	1		2	4	4	N 21° W	N 57° E	2·9¶	3·5	−0·6	13	+ 2	52	+ 1	·636	+ ·102	0·6	−0·7	0	0·50	− 0·50	0	0·45	− 0·45	1·67	2·17	− 0·50	0	Gorakhpur.
5	1		2	1	1	8	10	2	S 71° W	S 53° W	4·7	3·5	+1·2	49	+27	37	−11	·480	− ·014	0·5	−0·8	0	0·40	− 0·40	0	0·13	− 0·13	2·29	1·72	+ 0·57	0	Benares.
3				1		3	18	5	N 88° W	N 86° W	5·5	5·3	+0·2	76	+54	23	−13	·289	− ·135	0·8	−0·8	0	0·20	− 0·20	0	0·13	− 0·13	0·95	1·86	− 0·91	0	Allahabad.

stations, the elevations of which exceed 3,200 feet.

§ Mean of 28 days.

‖ Mean of 15 days.

¶ Uncorrected.

Tabl

(2) *Abstract of observations taken at 8 hrs., at 238 station*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IV.—United Provinces of Agra and Oudh— *concld.*																						
10	Cawnpore	416	29·330	—·028	29·704	29·562	13th	29·217	26th	·345	84·3	105·8	+3·6	74·3	+2·0	90·1	+2·8	31·5	110·9	22nd	63·0	15th	47·9
	Lucknow	368	29·381	—·026	29·707	29·605	13th	29·266	25th	·339	83·8	105·4	+3·0	73·8	+2·9	89·6	+3·0	31·6	110·0	22nd, 25th & 30th.	65·6	15th	44·4
	Bahraich	401	29·319	—·051	29·679	29·504	13th	29·184	26th	·320	84·9	105·0	+5·4	73·1	+3·4	89·1	+4·4	31·9	109·1	30th	63·0	15th	46·1
11	Jhansi	835	28·963	—·018	29·747	29·214	13th	28·854	26th	·360	90·5	106·0	+1·8	80·8	+4·1	93·4	+3·0	25·2	112·8	22nd	68·6	14th	44·2
	Agra	556	29·212	—·023	29·728	29·491	13th	29·085	26th	·406	83·2	102·0	−0·6	75·2	+1·5	88·6	+0·5	26·8	110·0	22nd	65·0	13th & 14th.	45·0
	Mainpuri *	516	29·229	—·052	29·701	29·491	13th	29·116	26th	·375	84·3	106·7	+4·4	74·3	+4·0	90·5	+4·2	32·4	113·3	22nd	63·3	14th	50·0
	Bareilly	568	29·155	—·040	29·687	29·404	13th	29·038	28th	·366	82·3	103·0	+3·7	72·5	+3·6	87·8	+3·7	30·5	108·3	22nd, 25th & 30th.	62·5	15th	45·8
	Meerut	738	28·994	—·037	29·697	29·280	13th	28·860	26th	·420	81·1	100·7	+2·2	69·9	+1·8	85·3	+2·0	30·8	108·1	21st, 24th & 30th.	60·8	15th	47·3
	Roorkee	899	28·842	—·025	29·713	29·107	13th	28·704	26th	·403	78·8	98·9	+0·7	67·9	+1·4	83·4	+1·1	31·0	107·0	25th	57·4	14th	49·6
	Dehra Dun	2,233	27·536	—·036	29·719	27·753	13th	27·411	26th	·342	75·4	93·6	+3·0	65·4	+1·1	79·5	+2·1	28·2	102·0	25th	55·0	14th	47·0
	V.—Punjab.																						
12	Delhi	718	29·040	—·018	29·723	29·322	13th	28·909	26th	·413	82·4	101·3	+1·6	76·0	+2·5	88·7	+2·1	25·3	109·7	24th	64·7	14th	45·0
	Sirsa	662	29·095	—·018	29·726	29·406	13th	28·950	26th	·456	80·1	99·7	−1·4	69·2	+0·7	84·5	−0·4	30·5	108·8	23rd	55·6	13th	53·2
	Patiala	*818*	28·949		29·739	29·243	13th	28·783	26th	·460	79·5	96·6		69·2		82·9		27·4	106·2	24th	59·0	15th	47·2
	Ambala	892	28·847	—·026	29·715	29·143	13th	28·709	26th	·434	76·7	95·4	−2·3	68·3	+2·1	81·9	−0·1	27·1	104·5	25th	61·0	13th, 14th & 15th.	43·5
	Ludhiana	812	28·936	—·019	29·727	29·248	13th	28·781	26th	·467	76·7	95·4	−2·0	68·8	+1·6	82·1	−0·2	26·6	107·0	24th & 25th,	57·0	14th	50·0
	Lahore	702	29·037	—·029	29·718	29·316	13th	28·890	26th	·426	76·5	96·2	−2·0	67·4	+3·1?	81·8	+0·6?	28·8	109·4	24th	56·7	13th	52·7
	Sialkot	830	28·921	—·018	29·731	29·261	13th	28·760	26th	·501	76·9	94·4	−0·8	66·5	+0·2	80·5	−0·3	27·9	107·7	24th	56·1	14th	51·6
	Rawalpindi	1,674	28·099	—·027	29·775	28·439	13th	27·948	8th	·491	70·7	86·3	−2·1	61·9	+2·0	74·1	−0·1	24·4	97·9	25th	51·6	13th & 14th.	46·3
13	Khushab	612	29·155	—·007?	29·744	29·499	13th	29·000	24th	·499	78·5	93·2	−2·1	69·7	+1·7	81·5	−0·2	23·5	106·9	22nd	58·9	7th	48·0
	Montgomery	558	29·187	—·024	29·714	29·520	13th	29·064	26th	·456	81·0	97·0	−3·1	67·9	−0·2	82·5	−1·7	29·1	109·9	24th	55·6	13th & 14th.	54·3
	Multan	420	29·344	—·028	29·734	29·692	13th	29·210	24th	·482	78·9	97·3	−1·7	70·5	+1·9	83·9	+0·1	26·8	109·8	23rd	56·5	15th	53·3
	VI.—North-West Frontier Province.																						
15	Peshawar	1,110	28·687	—·036	29·815	29·014	13th	28·498	8th	·516	70·1	83·3	−3·6	62·2	+1·4	72·7	−1·1	21·1	94·2	21st & 24th,	52·9	14th	41·3
	D. I. Khan	590	29·209	—·019	29·760	29·561	13th	29·059	24th	·502	75·6	92·0	−2·5	66·5	+0·4	79·3	−1·1	25·5	103·8	24th	56·6	11th	47·2
	VII.—Sind.																						
17	Jacobabad	186	29·566	—·038	29·716	29·898	14th	29·425	8th	·473	81·0	101·8	−1·3	70·7	+1·0	86·3	−0·2	31·1	114·1	21st	53·8	12th	60·3
	Hyderabad †	96	29·702	—·017	29·753	29·988	14th	29·555	8th	·433	80·4	102·7	0	70·9	−1·4	86·8	−0·7	31·8	112·6	19th	60·5	13th	52·1
	Kurrachee	30	29·827	+·007	29·808	30·053	14th	29·635	8th	·418	79·6	90·2	−0·4	73·3	+0·2	81·8	−0·1	16·9	101·9	22nd	62·2	12th	39·7
	VIII.—Rajputana.																						
18	Bikaner	*771*	28·992	—·021	29·732	29·286	13th	28·850	8th	·436	82·1	106·8	−0·5	75·3	−0·3	88·1	−0·4	25·5	109·6	22nd	57·0	13th	52·6
	Jodhpur	782	29·039		29·804	29·306	13th	28·921	26th	·385	81·4	101·8		72·4		87·1		29·4	109·1	21st & 22nd,	54·8	13th	54·3
	Pachpadra	*380*	29·404	—·018	29·743	29·679	13th	29·313	27th	·366	80·3	103·5	−3·1?	68·9	−0·6	86·2	−1·9?	34·6	111·7	21st	50·0	13th	61·7
19	Jaipur	1,431	28·381	−·011	29·771	28·633	13th	28·271	26th	·362	83·6	101·9	+0·2	71·4	+0·3	86·6	+0·3	30·5	110·2	22nd	58·6	13th & 14th.	51·6
	Sambhar	1,254	28·554	—·003	29·770	28·814	13th	28·435	26th	·379	82·9	101·5	+1·1	71·9	+0·8	86·7	+1·0	29·6	109·4	22nd & 26th,	54·5	15th	54·9
	Ajmer	1,611	28·224	—·007	29·792	28·463	13th	28·104	7th	·359	81·8	99·1	−0·2	76·8	+5·4?	88·0	+2·6?	22·3	107·4	22nd	61·2	13th	46·2
	Kotah †	819 †	28·965	—·018	29·772	29·230	13th	28·863	26th	·367	89·4	103·5	+0·9	79·0	+2·1	91·3	+1·5	24·5	111·0	22nd	64·1	13th	46·9
	Udaipur	1,925	27·934		29·789	28·145	13th	27·832	8th	·313	85·2	99·2		73·3		86·2		25·9	105·6	21st & 22nd.	53·3	13th	52·2

N.B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

* Mean of 24 days. † Mean of 29 days.

—continued.

n India, etc., in April 1908—continued.

Wind direction. Number of winds from N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 30th April 1908.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec. 1907 to 30th April 1908.	Heaviest rainfall during month.	Station.
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																															IV.—United Provinces of Agra and Oudh—*concld.*
1		1		4	15	2		S 87° W	S 79° W	3·9	4·1	−0·2	62	+43	31	− 9	·361	−·104	0·3	−0·6	0	0·40	−0·40	0	0·03	−0·03	0·92	1·62	−0·70	0	Cawnpore.
1	2		1	1	2	5	5	N 61° W	N 81° W	3·2	4·0	−0·8	27	+ 7	31	− 9	·356	−·089	0·8	−0·9	0	0·40	−0·40	0	0·04	−0·04	1·42	2·15	−0·73	0	Lucknow.
1			4	4		2	3	10	N 50° W	N 55° E	4·7	4·1	+0·6	23	+17	43	− 8	·526	−·027	0·7	−0·8	0	0·80	−0·80	0	0·40	−0·40	1·92	3·24	−1·32	0	Bahraich.
2				1	2	7	5	9	N 87° W	S 87° W	6·5	3·6	+2·9	53	+23	29	+ 1	·417	+·053	1·0	+0·1	0	0·50	−0·50	0·05	0·12	−0·07	1·70	1·65	+0·05	0·05	Jhansi.
	1		1		16		6	S 63° W	S 89° W	6·1	5·1	+1·0	49	+12	36	+ 1	·400	+·005	1·4	+0·2	0	0·40	−0·40	0·09	0·13	−0·04	1·35	1·50	−0·15	0·09	Agra.
2	1			1	2	6	7	N 66° W	S 74° W	3·1‡	2·4	+0·7	54	+40	31	− 6	·356	−·044	1·0	−0·4	0	0·40	−0·40	0·03	0·48	−0·45	0·83	2·55	−1·72	0·03	Mainpuri.*
2	1					9	4	N 64° W	N 20° W	4·5	3·7	+0·8	43	+35	50	+ 5	·557	+·112	1·9	+0·5	0	0·45	−0·45	0·09	0·17	−0·08	1·12	3·05	−1·93	0·09	Bareilly.
1	1			6	3	3		S 87° W	N 81° W	2·1	2·5	−0·4	29	+ 9	41	+ 1	·432	+·038	1·2	−0·4	0	0·90	−0·90	0·09	0·19	−0·10	1·76	3·55	−1·79	0·04	Meerut.
		2				11		N 45° W	S 60° E	4·6	3·3	+1·3	27	+20	40	− 1	·382	−·039	1·2	−0·4	1	1·10	−0·10	0·27	0·39	−0·12	5·12	4·69	+0·43	0·23	Roorkee.
								(*a*)	N 43° W	2·4§	2·3	+0·1			40	− 6	·351	−·016	2·7	0	1	1·50	−0·50	0·75	0·59	+0·16	7·87	6·92	+0·95	0·67	Dehra Dun.
																															V.—Punjab.
2		1	1		5	15	5	N 85° W	N 77° W	5·7	3·9	+1·8	66	+29	36	0	·385	+·012	1·7	−0·3	1	0·90	+0·10	0·15	0·21	−0·06	2·24	3·18	−0·94	0·15	Delhi.
3	4	2		2	5	2	3	N 49° W	N 28° W	4·4	5·4	−1·0	10	+ 8	41	+ 2	·402	+·010	2·5	−0·4	1	0·60	+0·40	0·10	0·26	−0·16	0·75	2·06	−1·31	0·16	Sirsa.
5		2	2	2		6	8	N 49° W		7·8			33		46		·448		1·6		1			0·23			2·40			0·12	Patiala.
		1	3	1	1		14	N 51° W	N 18° W	4·1	3·1	+1·0	30	+21	52	− 1	·473	−·002	2·7	+1·4	5	0·90	+4·10	0·79	0·31	+0·48	2·80	5·53	−2·73	0·27	Ambala.
1	7	1	2	1	2	1	7	N	N 27° E	2·9	2·4	+0·5	23	+16	48	+ 3	·421	−·010	2·9	+0·2	5	1·00	+4·00	1·51	0·71	+0·80	4·68	5·42	−0·74	0·51	Ludhiana.
5	1	6	4	1	1	1	6	N 34° E	N 31° E	3·9	3·2	+0·7	23	+ 3	53	+ 6	·465	+·046	2·4	+0·1	3	1·00	+2·00	0·82	0·42	+0·40	2·57	3·67	−1·10	0·25	Lahore.
7	7	7	1	1		1	2	N 41° E	N 20° E	3·1	2·8	+0·3	53	+20	50	+ 2	·441	+·008	2·5	+0·4	5	1·90	+3·10	1·12	0·80	+0·32	3·16	6·77	−3·31	0·31	Sialkot.
1	5		1		1	4	3	N 27° W	N 30° W	4·8	3·1	+1·7	20	− 9	59	+ 3	·431	+·012	5·3	+2·2	9	3·20	+5·80	6·13	1·70	+4·43	10·33	9·31	+1·02	2·45	Rawalpindi.
2	12	4		3	3	2	1	N 51° E	N 37° E	8·2	6·7	+1·5	33	− 4	49	+ 7	·415	+·043	2·3	−0·5	4	1·50	+2·50	2·35	0·62	+1·73	5·41	3·80	+1·61	1·36	Khushab.
5	5	6	2	2	1	1	2	N 53° E	S 83° E	7·0	6·3	+0·7	33	+ 7	38	0	·359	−·054	2·0	−0·2	3	0·70	+2·30	0·79	0·13	+0·66	1·15	2·41	−1·26	0·38	Montgomery.
7	3		1	1	2		2	N	N 51° E	1·7	2·2	−0·5	25	+ 2	52	+ 4	·485	+·014	2·0	+0·4	4	0·70	+3·30	0·83	0·10	+0·73	1·36	1·56	−0·20	0·26	Multan.
																															VI.—North-West Frontier Province.
1	1	2	2		2	1	1	S 68° E	S 54° W	2·5	4·0	−1·5	3	− 7	67	+ 5	·490	+·021	6·0	+2·6	10	3·40	+6·60	5·37	1·75	+3·62	11·31	6·94	+4·37	1·90	Peshawar.
5	7				1	2	4	N 3° W	N 5° E	2·4	2·4	0	40	+ 7	61	+ 7	·526	+·037	3·5	+1·4	4	1·90	+2·10	2·23	0·70	+1·53	4·88	3·03	+1·85	1·41	D. I. Khan.
																															VII.—Sind.
7	6		2	1	1		8	N 3° W	N 88° E	4·8	4·2	+0·6	46	+19	54	+16	·569	+·148	1·9	0	1	0·40	+0·60	0·62	0·15	+0·47	1·77	1·00	+0·77	0·50	Jacobabad.
1				3	15	3		S 47° W	S 48° W	8·4	10·8	−2·4	78	+21	54	+ 6	·568	+·057	1·7	+0·1	0	0·20	−0·20	0	0·04	−0·04	0·54	0·71	−0·17	0	Hyderabad.†
1					2	16	8	N 78° W	N 89° W	12·2	13·2	−1·0	79	+18	70	− 8	·725	−·068	4·0	+1·8	0	0·20	−0·20	0	6·25	−0·25	0·85	1·54	−0·69	0	Kurrachee.
																															VIII.—Rajputana.
2	1	2	4	10	8			N 51° W	S 51° W	8·2	5·9	+2·3	46	+24	35	− 1	·378	−·031	1·7	−0·1	3	0·30	+2·70	0·52	0·11	+0·41	0·93	1·12	−0·19	0·28	Bikaner.
1			7	10	9	1		S 54° W		6·0			66		30		·316		2·2		0	0·20	−0·20	0	0·05	−0·05	0·38	0·55	−0·17	0	Jodhpur.
	1	1	4	8	5	1		S 35° W		6·5	6·3	+0·2	35		39	− 6	·398	−·090	0	−1·9	0	0·20	−0·20	0	0·04	−0·04	0·36	0·73	−0·37	0	Pachpadra.
2					2	11		N 27° W	N 34° W	5·4‡	5·0	+0·4	59	+25	28	− 7	·319	−·074	2·2	+0·1	0	0·40	−0·40	0·02	0·07	−0·05	0·97	1·37	−0·40	0·02	Jaipur.
					9	8		N 56° W	N 49° W	7·6	6·9	+0·7	59	+28	35	0	·384	+·007	1·8	+0·2	0	0·30	−0·30	0·05	0·09	−0·04	0·53	1·29	−0·76	0·03	Sambhar.
					11	3		N 8° W	W	9·8	5·8	+4·0	43	+12	36	− 1	·411	−·012	2·7	+1·2	0	0·50	−0·50	0	0·11	−0·11	0·99	1·22	−0·23	0	Ajmer.
		1		2	8	6		N 72° W		3·6			49		23		·312		1·5		0	0·30	−0·30	0	0·34	−0·34	0·47	1·16	−0·69	0	Kotah.†
2	1	1	1	2	4	9		N 48° W		6·4			40		38		·445		1·2		0	0·30	−0·30	0			0·25			0	Udaipur.

§ Uncorrected. ‡ Mean of 23 days. (*a*) Indeterminate.

Tab

(2) *Abstract of observations taken at 8 hrs., at 238 statio*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean, between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	2
	IX.—Bombay.																						
20	Deesa	466	29·388	0	29·811	29·596	13th	29·312	26th	·284	81·3	103·9	−0·3	69·6	−2·1	86·8	−1·2	34·3	111·3	19th	51·9	13th	5
	Bhuj	385	29·471	+·015	29·821	29·677	13th	29·355	8th	·322	80·0	99·4	−1·6	70·1	−1·4	84·8	−1·5	29·3	108·6	19th	57·5	13th	5
	Jamnagar	61	29·825		29·831	30·033	13th	29·723	8th	·310	80·3	91·0		70·2		80·6		20·8	100·9	16th	62·4	14th	3
	Dwarka	377	29·857		29·840	30·050	13th	29·736	8th	·314	80·0	85·8		75·9		80·9		9·9	97·8	16th	69·7	15th	2
	Rajkot	429	29·455	+·009	29·838	29·633	13th	29·364	6th	·269	80·7	101·8	−1·0	67·8*	−1·6	85·0*	−1·3	34·0	107·9	18th	57·5	13th	5
	Veraval	*18*	29·865	+·007	29·825	30·025	13th	29·784	8th	·241	79·8	86·8*	−0·9	72·7	+0·2	79·8*	−0·4	14·1	99·2	15th & 23rd.	65·1	13th	3
	Bhavnagar Para	55	29·825	−·016	29·823	30·009	13th	29·765	7th & 8th.	·244	83·0	103·7	+2·6?	73·0	−1·8	88·3	+0·5?	30·7	111·2	23rd	61·5	13th	1
	Surat	39	29·835	−·016	29·818	29·996	13th	29·775	8th	·221	82·5	98·6	−1·5	74·3	+1·5	86·5	0	24·3	109·6	16th	68·1	13th	4
	Ahmedabad	163	29·701	+·009	29·816	29·893	13th	29·638	8th	·255	82·0	104·8	−0·6	74·1	−1·1	89·5	−0·9	30·7	110·6	19th	63·2	13th	4
26	Bombay	37	29·855	−·012	29·832	29·927	12th	29·801	9th	·126	81·7	89·7	+1·2	77·9	+0·2	83·8	+0·7	11·8	100·0	15th	75·5	4 days	2
	Ratnagiri	110	29·776	−·005	29·834	29·860	17th	29·720	7th	·140	83·1	89·8	−0·3	77·6	+0·2	83·8	−0·1	12·2	93·2	6th	73·5	14th	1
	Goa	199	29·678	−·036?	29·815	29·761	17th	29·616	8th	·145	82·7	87·1	−2·1	80·0	+1·1	83·6	−0·5	7·1	89·0	6th & 25th.	76·0	12th	1
	Mormugao	*60*	29·834	−·006	29·823	29·909	17th	29·772	8th	·137	84·6	89·8	−0·3	78·8	−1·2	84·3	−0·8	11·0	93·5	24th	74·7	15th	1
	Karwar	44	29·843	−·017	29·821	29·893	17th	29·782	10th	·111	80·5	89·4	−0·6	77·5	−0·4	83·5	−0·5	11·9	91·3	17th	73·5	5th	1
27	Malegaon	1,430	28·439	−·007	29·810	28·591	13th	28·374	11th	·217	85·9	104·6	+1·4	72·0	+0·2	88·4	+0·8	32·6	109·4	23rd	65·1	9th	4
	Ahmednagar	2,154	27·742	−·001	29·812	27·843	13th	27·689	10th	·154	84·7	102·6	+3·7?	71·3	+1·7	87·0	+2·7?	31·3	107·4	23rd, 24th & 25th.	66·0	28th	4
	Poona	1,846	28·041	−·015	29·831	28·141	13th	27·979	10th	·162	79·9	101·7	+0·1	68·5	−1·2	85·1	−0·6	33·2	106·5	24th & 25th.	62·3	28th	4
	Sholapur	1,590	28·263	−·022	29·786	28·343	13th	28·200	10th	·143	84·8	105·5	+0·7	76·9	+1·4	91·2	+1·1	28·6	109·3	24th & 26th.	72·9	5th	3
	Bijapur	*1,948*	27·925	−·009	29·797	27·997	13th	27·849	10th	·148	82·9	102·5	+2·7	75·2	+0·4	88·9	+1·6	27·3	107·2	25th & 26th.	70·2	19th	3
	Belgaum	2,539	27·360	−·005	29·816	28·424	17th	27·291	10th	·133	77·9	97·4	+1·4	67·6	+0·1	82·5	+0·8	29·8	100·8	30th	63·6	19th, 28th & 29th.	3
	X.—Central India.																						
21	Neemuch	1,624	28·222	+·001	29·793	28·446	13th	28·135	7th	·311	84·0	98·9	−2·0	72·6	+1·3	85·8	−0·4	26·3	105·5	24th	60·2	13th	4
	Indore	1,823	28·049	+·017	29·807	28·236	13th	27·978	8th	·258	84·9	100·9	+0·3	71·9	+2·2	86·4	+1·3	29·0	105·6	22nd	63·1	14th	4
22	Nowgong	754	29·032	−·019	29·741	29·274	13th	28·930	26th	·344	84·3	104·4	+1·0	73·3	+1·9	88·8	+1·5	31·1	110·0	22nd & 23rd.	63·5	15th	4
	Sutna	1,040	28·732	−·029	29·724	28·919	13th	28·623	26th	·296	86·9	103·8	+2·1	74·9	+3·3	89·4	+2·7	28·9	110·0	23rd	63·7	14th	4
	XI.—Central Provinces.																						
23	Buldana	2,132	27·755		29·800	27·873	13th	27·697	2nd	·176	85·2	101·1		77·5		89·3		23·6	106·1	24th	70·4	13th	3
	Akola	936	28·902	−·012	29·777	29·033	13th	28·841	26th	·192	87·5	107·4	+1·4	74·8*	0	91·2*	+0·7	32·6	112·7	24th	68·6	4th & 17th.	4
	Amraoti	1,215	28·619	−·003	29·775	28·751	13th	28·550	26th	·201	86·0	106·0	+1·0	76·6	+0·3	91·3	+0·7	29·4	110·8	23rd & 24th.	72·3	27th	3
24	Khandwa	1,044	28·795	−·005	29·792	28·974	13th	28·730	28th	·241	84·9	105·8	+1·0	76·1	+0·8	91·0	+0·9	29·7	110·7	24th	67·1	15th	4
	Hoshangabad	1,006	28·832	−·004	29·793	29·016	13th	28·759	26th	·257	85·2	104·9	+0·1	73·6	−0·2	89·2	−0·1	31·3	111·6	28th	68·9	17th	4
	Saugor	1,807	28·021	−·010	29·760	28·217	13th	27·943	8th	·274	85·7	101·6	+0·1	76·0	+3·2	88·8	+1·7	25·6	107·1	22nd	67·0	14th	4
	Jubbulpore	1,327	28·482	−·015	29·759	28·694	13th	28·401	27th	·243	83·8	103·7	+1·7	71·6	+1·0	87·7	+1·4	32·1	109·0	23rd	63·8	16th	4
	Seoni	2,033	27·809	−·014	29·760	27·950	14th	27·727	28th	·223	85·8	103·2	+2·1	68·3†	−1·7	85·2†	+0·2	34·9	107·8	23rd & 24th.	64·0	2nd	4
	Nagpur	1,017	28·792	−·018	29·753	28·922	13th	28·716	28th	·206	87·8	106·9	+1·4	77·3	+1·1	92·2	+1·3	29·6	111·6	24th	68·6	17th	4
25	Pendra	2,123?	27·786		29·721	27·937	14th	27·686	27th	·251	87·9	101·6		75·2		88·4		26·4	105·8	23rd & 24th.	68·7	4th	3
	Raipur	970	28·829	−·023	29·741	28·932	14th	28·744	27th	·188	86·3	104·9	+0·6	73·2	−3·7	89·1	−1·6	31·7	110·2	25th	66·4	17th	4
	Chanda	*634*	29·171	−·028	29·740	29·291	13th	29·113	28th	·178	90·0	107·8	+1·3	77·3	+0·9	92·6	+1·1	30·5	112·5	23rd, 24th & 26th.	70·5	19th	4

N.B.—Elevations in italics indicate barometrical determinations.

* Mean of 29 days.

† Mean of 12 days.

NOTE 2.—The barometric readings are not reduced to sea-level, in the

B—*continued.*

in India, etc., in April, 1908—continued.

Calm.	Wind direction. Number of winds from N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs, in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 30th April 1908.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec. 1907 to 30th April 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IX.—Bombay.
2	2	5			4	8	2	6	N 89° W	N 88° W	§* 8·9	9·1	−0·2	29*	− 1	43	+ 3	·456	−·001	1·1	−0·1	0	0	0	0	0·01	−0·01	0·31	0·34	− 0·03	0	Deesa.(*b*)
	1	1	1			5	9	13	N 70° W	N 75° W	11·1	11·6	−0·5	69	− 8	58	+ 3	·586	−·024	1·5	+ 0·5	0	0	0	0	0·12	−0·12	0·09	0·41	− 0·32	0	Bhuj.
		4				8	12	6	N 85° W		17·2			64		62		·646		0·7		0			0			0			0	Jamnagar.
	1	1			4	8	8	8	S 83° W		13·1			62		75		·772		1·8		0			0			0·11			0	Dwarka.
	3	1	1		1	6	14	4	N 86° W	N 68° W	10·1	10·4	−0·3	62	−11	51	−14	·525	−·145	0·8	−0·3	0	0	0	0	0·01	− 0·01	0·31	0·18	+ 0·13	0	Rajkot.
6	10	1			1		7	5	N 37° W	N 47° W	11·4	8·1	+3·0	53	−10	73	+ 1	·738	+·014	1·0	−1·6	0	0	0	0	0	0	0·15	0·10	+ 0·05	0	Veraval.
2	4	2		1		9	21	10	N 68° W	S 66° W		10·6	−3·7	48	−19	57	− 5	·634	−·067	1·6	0	0	0	0	0	0·01	− 0·01	0·08	0·30	−0·22	0	Bhavnagar.
4	6	2		2	12	2	1	1	S 2° W	S 61° W	6·1	7·4	−1·3	22	−18	59	− 6	·656	−·083	1·0	−0·7	0	0	0	0	0	0	0·32	0·14	+ 0·18	0	Para. Surat.
	2	1	2		2	7	2	14	N 68° W	N 45° W	5	4·7	+1·0	49	+ 8	49	+ 2	·533	−·009	1·3	−0·2	0	0·10	−0·10	0	0	0	0·10	0·30	−0·20	0	Ahmedabad.
	7	2	2	1	7	2	2	4	(*a*)	N 33° E	9	10·6	−1·5			72	− 3	·794	−·038	2·5	−0·6	0	0·10	−0·10	0	0·07	−0·07	0·22	0·27	−0·05	0	Bombay.
2	10	4	2	1	7			1	N 62° E	N 81° W	11·3	8·4	+2·9	27	+ 7	68	− 3	·768	−·044	2·5	−0·5	0	0·10	−0·10	0·01	0·08	− 0·07	0·10	0·32	− 0·22	0·01	Ratnagiri.
1	1	0	7	2	5	1	2	2	S 73° E	N 29° E		6·9		30	+16	74	0	·825	−·041	3·1	0	0			0	0·32	− 0·32	0·07	0·63	−0·56	0	Goa.
2	13	1	1	1	1	5	3	2	N 28° W	N 5° W	¶§ 10·0	8·5	+1·8	33	+29	73	− 2	·866	−·021	4·2	+0·4	0			0	1·04	−1·04	0	1·09	− 1·09	0	Mormugao.
4	0	2				5		3	N 35° W	N 9° W	§* 6·8	4·8	+2·0	23	−20	82	+ 4	·865	+·035	1·7	−1·6	2	0·90	+ 1·10	1·42	0·55	+ 0·87	1·42	0·73	+ 0·69	0·72	Karwar.
1	4		1			1	5	8	N 49° W	N 69° W	8·9	9·5	−0·6	46	−17	20	−33?	·258	−·393?	0·3	−1·7	0	0·30	−0·30	0	0·10	− 0·10	0·45	0·54	− 0·09	0	Malegaon.
1	0				2	1	3	15	N 42° W	N 1° E	11·3	10·6	+0·7	69	+21	22	−33?	·260	−·371?	1·2	−0·4	0	0·60	−0·60	0·03	·33	− 0·30	0·28	1·56	− 1·28	0·03	Ahmednagar
3	1		1				9	10	N 64° W	N 83° W	§* 10·2	10·6	−0·2	53	− 4	38	− 3	·387	−·039?	1·3	−0·6	2	1·40	+ 0·60	0·60	0·68	−0·08	0·79	1·01	−0·22	4·6	Poona.
2	3	4	1		1	3	4	14	N 39° W	N 45° W	9·7	8·8	+0·9	53	+30	37	− 2	·439	−·033	2·4	−0·2	1	1·10	− 0·10	0·10	0·43	− 0·33	0·16	1·22	− 1·06	0·10	Sholapur.
	1	3			1	7	5	13	N 68° W	N 82° W	8·5	5·6	+2·9	56	− 2	46	−14	·511	−·147?	1·6	−0·7	1	2·20	−1·20	0·24	0·80	− 0·56	0·65	1·39	− 0·74	0·13	Bijapur.
1	3	4	1	1	2	1	2	3	N 29° W	S 88° W	§* 9·4	13·1	−3·7	17	−11	56	− 6	·516	−·048	2·0	−0·5	0	3·80	−3·80	0·10	1·90	− 1·80	0·23	2·52	− 2·29	0·05	Belgaum.
																																X.—Central India.
2	6	4		1		6	6	5	N 55° W	N 51° W	8·1	8·7	−0·6	46	+24	28	− 7	·314	−·102	0·9	−0·4	0	0·10	−0·10	0	0·09	− 0·09	0·34	0·79	− 0·45	0	Neemuch.
3	8	8		1			7	4	N 13° W	N 45° W	6·7	4·4	+2·3	56	+ 6	39	0	·478	+·020	1·2	−0·2	0	0·20	−0·20	0·13	0·13	0	0·46	0·68	− 0·22	0·08	Indore.
1			1	1	3	3	12	1	S 71° W	S 75° W	3·3	3·1	+0·2	49	+12	35	0	·450	+·027?	2·0	+0·8	0	0·10	−0·10	0	0·05	− 0·05	1·69	2·01	−0·32	0	Nowgong.
			1			2	14	10	N 75° W	N 55° W	4·1	0·7	−2·6	72	+32	30	+ 4	·378	+·062	3·8	+2·8	0	0·20	−0·20	0	0·11	− 0·11	1·55	2·54	−0·99	0	Sutna.
																																XI—Central Provinces.
1		2	1	1		12	15		N 65° W		§ 10·9	9·0	+1·9	70		19		·210		1·8		0			0·06	0·28	−0·22	0·62‡	1·54	−0·92	0·06	Buldana.
1	4	1		1	1	8	4		N 51° W	N 67° W	6·3	5·9	+0·4	64	+ 9	25	− 5	·215	−·063?	2·4	+0·5	0	0·50	−0·50	0·11	0·20	− 0·09	0·90	1·88	− 0·98	0·05	Akola.
5	3	1	2		7	6	2		N 74° W	S 69° W	6·3	5·4	+0·9	27	− 3	27	− 8	·326	−·117	2·4	+0·3	2	0·80	+1·20	0·06	0·23	+ 0·43	1·72	1·68	+ 0·04	0·45	Amraoti.
5	1	3	2			3	15		N 30° W	N 68° W	8·7	6·5	+2·2	56	− 7	23	− 7	·277	−·083?	3·5	+2·1	0	0·30	−0·30	0	0·13	− 0·13	1·22	0·99	+ 0·23	0	Khandwa
		1	3			6	6	2	S 75° W	S 48° W	3·0	3·0	0	27	+10	27	−11	·329	−·117	1·7	0	0	0·30	−0·30	0	0·15	− 0·15	0·83	1·39	− 0·56	0	Hoshangabad
2	2				1	7	12	4	S 87° W	S 53° W	6·3	4·6	+1·7	56	+39	15	−12	·217	−·134	2·1	+0·8	0	0·00	−0·30	0·05	0·09	− 0·04	1·42	2·13	− 0·71	0·05	Saugor.
1	1	1	1	3	6	4	7	4	S 43° W	S 18° W	2·8	3·3	−0·5	33	0	30	− 5	·347	−·043	1·8	+0·2	0	0·60	−0·60	0·13	0·15	− 0·02	1·61	2·19	− 0·58	0·05	Jubbulpore.
7	6	2	1	1	2	3	4		N 2° W	S 86° W	5·3	3·9	+1·4	35	+26	29	−10	·364	−·080	1·8	−0·3	0	1·30	−1·30	0·06	0·39	− 0·33	1·28	2·91	− 1·63	0·06	Seoni.
12	2	3	3		1	1	3		N 13° E	N 83° W	4·7	6·0	−1·3	43	+35	25	−11	·327	−·140	1·6	−0·9	0	1·10	−1·10	0	0·48	− 0·48	1·40	2·25	−0·85	0	Nagpur.
8	2		1	3	2		11		N 30° W		6·4			46		19		·243		2·5		0			0·03			2·91			0·02	Pendra.
2				1	9	4	4		S 79° W	S 56° W	7·4	6·3	+1·1	43	+ 6	25	−12	·307	−·149	1·9	−0·6	1	1·40	−0·40	0·12	0·53	− 0·41	3·19	1·98	+ 1·21	0·12	Raipur.
2	1	2	1	7	4	4	3		S 8° W	S 52° E	4·4	3·6	+0·8	33	+14	28	−17	·386	−·167	2·4	0	0	1·80	−1·80	0	0·59	− 0·59	1·68	2·91	− 1·23	0	Chanda.

ases of hill or plateau stations, the elevations of which exceed 3,200 feet.
(*a*) Indeterminates.
§ Uncorrected reading.
(*b*) Wind observations of 29 days.
¶ Mean of 26 days.
‡ Rainfall since 1st January.

Tab

(2) *Abstract of observations taken at 8 hrs., at 238 statio*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
	XII.—Hyderabad.																						
28	Aurangabad	1,905	27·982		29·806	28·083	13th	27·915	26th	·168	87·0	103·0		75·0		89·0		28·0	108·2	23rd	49·7	4th	5
	Nizamabad	1,260	28·580 §		29·771 §	28·648	21st	28·526	10th	·120	89·1	106·1		78·6		92·3		27·5	110·4	27th	72·2	3rd & 4th	3
	Bidar	*2,165*	27·706		29·780	27·795	13th	27·615	11th	·150	85·4	100·8		78·9		89·9		21·9	105·5	26th	71·8	4th	3
29	Gulbarga	1,503	28·348	—·022	29·783	28·448	13th	28·282	8th	·166	85·7	104·9	+1·7	77·2	+0·6	91·1	+1·2	27·7	110·5	25th	68·3	4th	4
	Raichur	*1,311*	28·546	0	29·789	28·614	15th	28·476	8th	·138	86·9	104·4	+2·3	80·0	+0·8	92·2	+1·6	24·4	109·1	26th	74·6	5th	3
	Hyderabad (Deccan).	1,690	28·159	—·020	29·774	28·240	13th	28·104	27th & 28th	·136	85·7	101·2	+2·2	78·2	+2·9	91·2	+2·6	26·0	108·8	26th	71·2	13th	3
	Hanumkonda	871	28·951		29·761	29·039	3rd	28·865	25th	·174	85·6	104·8		79·3		92·1		25·5	111·0	27th	71·5	4th	3
	XIII.—Mysore.																						
30	Chitaldroog	2,405	27·497	—·015	29·821	27·544	21st	27·433	10th	·111	79·0	97·9	+2·1	73·1	+1·3	85·5	+1·7	24·8	100·6	23rd & 30th	69·4	29th	3
	Hassan	3,149	26·810	—·001	29·860	26·853	16th	26·758	8th	·095	73·8	91·9	+0·8	67·1	+0·7	79·5	+0·8	24·8	96·1	10th	63·8	13th & 19th	3
	Bangalore	3,021	26·914	—·028	29·827	26·959	13th	26·864	8th & 29th	·095	76·5	95·5	+2·3	70·1	+0·9	82·8	+1·6	25·4	99·8	29th	65·3	21st	3
	Mysore	2,518	27·410	—·014	29·853	27·452	16th	27·359	8th	·093	76·5	94·7	+0·7	70·2	—0·1	82·5	+0·3	24·5	98·5	15th	63·0	19th	3
	XIV—Madras.																						
31	Mangalore	65	29·826	—·019	29·823	29·874	21st	29·770	10th	·104	84·2	90·1	—1·0	78·9	+0·2	84·5	—0·4	11·2	92·2	16th & 27th	73·4	17th & 28th	1
	Calicut	27	29·866	—·016	29·822	29·915	26th	29·804	11th	·111	82·9	90·8	—0·5	78·8	+0·9	84·8	+0·2	12·0	92·8	5th & 27th & 28th.	75·1	8th	17
	Cochin	9	29·890	—·012	29·827	29·918	26th	29·829	10th	·119	83·2	91·0	—0·5	78·8	+0·4	84·9	—0·1	12·2	93·7	7th	73·7	25th	20
	Trivandrum	198	29·687	—·008	29·816	29·741	20th	29·608	8th	·133	82·0	87·5	0	78·5	+2·2	83·0	+1·1	9·0	90·0	30th	75·0	13th	15
32	Tinnevelly	168	29·708	—·013	29·805	29·777	13th	29·646	29th	·131	85·9	98·5	+0·5	78·5	—0·1	88·5	+0·2	20·0	104·3	29th	74·9	1st, 15th & 16th,	29
	Pamban	37	29·816	—·042	29·779	29·881	16th	29·749	28th	·132	85·4	92·6	+1·7	81·6	+2·6	87·2	+2·2	11·0	94·3	25th & 26th	72·2	16th	22
	Madura	447	29·433	—·011	29·813	29·510	13th	29·365	29th	·145	85·1	98·8	—0·5	77·6	+1·2	88·2	+0·4	21·2	104·4	28th & 30th	73·1	28th	31
	Periyakulam	944	28·936		29·319	29·012	12th	28·875	29th	·137	80·6	94·9		73·9		73·0		21·0	101·0	29th	70·7	23rd	30
	Pudukkottai	318	29·563		29·812	29·649	2nd	29·482	28th	·166	84·8	100·0							108·3	27th			
	Negapatam	31	29·827	—·041	29·787	29·899	13th	29·748	28th	·151	85·9	95·8	+3·3	80·4	+1·4	88·1	+2·4	15·4	106·9	28th	77·0	1st	29
	Trichinopoly	255	29·620	—·024	29·806	29·703	13th	29·548	29th	·155	85·9	101·6	+0·5	78·6	+1·1	90·1	+0·8	23·0	108·1	29th	73·3	16th	31
	Coimbatore	1,348	28·530	—·027	29·825	28·599	13th	28·462	29th	·137	79·2	96·6	—0·8	73·6	+0·2	85·1	—0·3	23·0	101·4	29th	67·3	26th	34
	Salem	940	28·953	—·033	29·828	29·025	13th	28·893	29th	·132	84·0	102·1	+1·4	78·3	+2·5	90·3	+2·0	25·8	108·7	29th	72·4	17th	36
	Cuddalore	37	29·821	—·034	29·788	29·904	13th	29·743	28th	·161	85·4	95·2	+2·4	78·3 ‡	+1·5	86·8 ‡	+2·0	16·9	108·1	28th	72·7	2nd	35
	Vellore	707	29·161		29·806	29·251	13th	29·077	28th	·174	84·1	103·0		64·0		93·2		19·0	111·2	29th	78·4	28th	32
	Madras	22	29·837	—·040	29·789	29·934	13th	29·718	27th	·216	85·3	95·6	+2·5	78·8	+1·7	87·2	+2·1	16·8	109·5	27th	75·5	1st & 12th	34
33	Cuddapah	433	29·407	—·028	29·772	29·495	13th	29·340	8th	·155	89·6	107·9	+2·7	82·0	+1·2	94·9	+2·0	25·9	112·2	29th	76·6	13th	35
	Bellary	1,475	28·376	—·023	29·785	28·429	15th	28·307	8th	·122	84·5	105·1	+1·7	78·6	+1·5	91·9	+1·6	26·5	109·0	30th	69·3	13th	39
	Kurnool	923	28·915	—·027	29·773	28·996	13th	28·347	8th	·149	86·4	106·3	+2·7	79·9	+1·9	93·1	+2·3	26·4	111·2	30th	69·1	13th	42
34	Nellore	61	29·780	—·026	29·775	29·882	13th	29·675	27th & 28th	·207	84·4	102·1 ¶	+1·2 ¶	76·7	—0·7	89·4 ¶	+0·3	25·4	112·8	28th	72·1	1st	40
	Masulipatam	15	29·845	—·022	29·794	29·939	13th	29·707	27th	·232	85·9	95·8	—1·3?	78·3	+0·8	87·9	—0·3?	17·5	97·8	29th	74·1	1st	23
	Cocanada	26	29·825	—·038	29·787	29·901	13th	29·686	27th	·215	85·4	100·2	+4·6?	79·9	+1·6	90·1	+3·1?	20·3	109·1	27th	76·0	5th	23
	Waltair (Vizagapatam).	*226*	29·599	—·048	29·766	29·664	21st	29·462	27th	·202	83·8	89·7		79·1		84·4		10·6	92·9	26th & 27th	76·4	8th	16
	Calingapatam	19	29·803		29·762	29·878	21st	29·679	27th	·199													
	Gopalpur	72	29·728	—·037	29·792	29·826	21st	29·610	27th	·216	80·3	87·7	0	76·7	—0·8	82·2	—0·4	11·0	93·2	4th	73·5	27th	19

§ Mean of 25 days.

¶ Mean of 2 days.

‡ ,, 28 ,,

N.B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or platea

B —*continued.*

in India, etc., in April, 1908—continued.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal	Total rainfall from 1st Dec. 1907 to 30th April 1908.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec. 1907 to 30th April 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																XII.—Hyderabad.
2	8	2	3		1	3	4	7	N 30° W		12·7			43		25		·304		1·3		1	0·60	+0·40	0·24	0·28	−0·04	0·47	1·29	− 0·82	0·24	Aurangabad.
57		1		1		6		5	S 83° W		3·4			20		40		·535		1·9		1	1·40	−0·40	0·25	1·03	−0·78	2·28	2·31	− 0·03	0·25	Nizamabad.
7	5	3			3	7	2	3	N 82° W		6·8			27		38		·445		1·9		1	2·60	−1·60	0·13	0·98	−0·85	0·84	2·20	− 1·36	0·12	Bidar.
3	5	7			3	4	3	3	2	N 9° E	N 78° W	9·5	9·0	+0·5	10	+ 3	39	−11	·461	−·119	2·3	−0·2	1	2·20	−1·20	0·53	1·05	− 0·52	0·99	1·93	− 0·94	0·34	Gulbarga.
3	1				5		12	1	8	N 65° W	S 58° W	8·1	8·5	−0·4	43	+ 1	48	− 5	·622	−·013	2·6	−0·1	0	1·20	−1·20	0·03	0·66	− 0·63	0·53	1·34	− 0·81	0·03	Raichur.
3		2				1	1	3	N 41° W	S 72° W	1·6	4·5	−2·9	13	− 6	40	−16	·492	−·143	2·7	+0·5	0			0	0·67	− 0·67	1·02	1·63	− 0·61	0	Hyderabad (Deccan).
6	1				12	6	1	1	3	S 21° E		7·2*			43		48		·573		2·7		0	1·30	−1·30	0			3·66			0	Hanumkonda.
																																XIII. Mysore.
3	1					11	12	3	S 79° W	S 70° W	6·0	6·7	−0·7	72	+ 9	63	0	·621	−·007	2·1	−0·8	2	2·50	−0·50	0·43	1·97	− 1·54	1·86	2·48	− 0·62	0·20	Chitaldroog.
13	3	2	2	1		5	10	6	N 74° W	S 82° W	7·1	3·4	+3·7	50	+21	79	+ 6	·660	+·025	3·8	−0·6	4	4·80	−0·80	2·85	3·10	− 0·25	3·69	3·72	− 0·03	1·25	Hassan.
	1				4	4	9	11	1	S 53° W	S 41° W	6·9	4·8	+2·1	59	+ 5	71	− 1	·650	+·001	1·8	−1·5	2	2·40	−0·40	0·72	1·26	− 0·54	5·28	2·45	+ 2·83	0·27	Bangalore.
		2	1	2	2	11	9	2	S 60° W	S 68° W	8·3	7·9	+0·4	53	+ 1	77	+ 3	·740	+·070	4·0	−0·4	7	4·30	+2·70	3·90	3·00	+ 0·90	5·35	3·62	+ 1·73	2·40	Mysore.
																																XIV.—Madras.
4	9	6	1	1	1	2	2		N 44° E	N 60° E	5·3†	3·2	+2·1	43	+13	74	− 2	·863	0	4·5	0	3	2·30	+0·70	1·29	1·65	− 0·36	1·81	2·25	− 0·44	0·90	Mangalore.
4	2	3	1	1				8	N 3° W	N 13° E	8·0†	10·3	−2·3	30	− 3	85	+ 7	·952	+·081	5·5	+0·6	4	5·10	−1·10	4·86	4·32	+ 0·48	6·36	6·27	+ 0·09	2·15	Calicut.
1	13	12	2		1			1	N 68° E	N 27° E	8·5†	6·0	+2·5	76	+16	78	− 1	·874	−·017	4·9	+0·4	6	7·00	−1·00	13·49	5·20	+ 8·29	17·14	10·42	+ 6·72	4·85	Cochin.
10	2						1	9	N 19° W	N 4° E	5·6	5·9	−0·3	62	+10	81	+ 2	·895	+·034	3·7	−0·6	7	7·10	−0·10	4·48	4·74	− 0·26	11·21	10·03	+ 1·18	1·18	Trivandrum.
6	1			1	2	4	4		N 47° W	N 48° W	1·5	4·6	−3·1	33	−25	67	− 4	·821	−·013	2·9	−1·9	4	3·70	+0·30	0·94	3·28	− 2·34	8·62	10·56	− 1·94	0·39	Tinnevelly.
	2		12	10	4				S 19° E	S 38° E	8·5	7·3	+1·2	69	+23	80		·970		2·9		1	3·30	−2·30	1·35	2·40	− 1·05	10·57	15·49	− 4·92	1·25	Pamban.
4	4	3	1	2	3	6	6		N 43° W	N 41° E	5·8	3·1	+2·7	27	+ 1	69	− 2	·829	−·004	4·4	+0·4	1	3·30	−2·30	0·64	2·25	− 1·61	4·69	5·34	− 0·65	0·50	Madura.
				1	1	1			S 45° W		1·9			10		68		·715		2·0		3	4·70	−1·70	3·65	2·69	+ 0·96	18·42	7·58	+10·84	2·61	Periyakulam.
4				2	2	7	1	5	S 85° W		7·8			37		72		·852		4·1		2			0·97			3·68			0·60	Pudukkottai.
		2	4	3	12	6			S 35° W	S 6° E	10·3†	6·9	+3·4	56	+26	71	− 4	·893	−·015	3·9	−0·6	0	1·20	−1·20	0	0·56	− 0·56	9·14	15·82	− 6·68	0	Negapatam.
		4	2	5	8	5			S 24° W	S 34° W	3·7	5·4	−1·7	43	+26	66	− 2	·818	+·014	3·4	−0·8	1	2·10	−1·10	1·63	2·06	− 0·43	4·83	6·29	− 1·46	1·54	Trichinopoly.
1	1		1	1	5	1			S 42° W	S 1° W	4·6	3·0	+1·6	17	+ 2	77	− 5	·774	−·043	2·5	−2·0	3	3·50	−0·50	0·86	1·69	− 0·83	7·65	3·94	+ 3·71	0·37	Coimbatore.
	3	6			2	12	1	2	S 23° W	S 67° E	5·6	4·6	+1·0	27	+14	71	0	·830	+·024	4·0	+0·5	4	3·10	+0·90	2·66	1·84	+ 0·82	5·12	4·37	+ 0·75	1·72	Salem.
			4	14	7	1	1		S 10° W	S 39° W	8·3	2·7	+5·6	72	+20	74	− 7	·911	−·056	3·5	−0·9	0	1·00	−1·00	0	0·83	− 0·83	6·45	10·83	− 4·38	0	Cuddalore.
		1	4			2	6		N 63° W		5·0†			7		65		·766		1·5		0	1·20	−1·20	0·02	0·71	− 0·69	1·46	4·40	− 2·94	0·02	Vellore.
			6	17	3	2	1		S 1° W	S 10° W	6·7†	7·6	−0·9	76	+ 3	77	+ 3	·934	+·039	4·0	−0·4	0	1·10	−1·10	0	0·40	− 0·40	6·99	7·38	− 0·39	0	Madras.
	4	3	4		8	5	6		S 78° W	S 41° E				20	−17	57	+ 2	·793	+·062	3·6	+1·0	0	0·70	−0·70	0·04	0·54	− 0·50	0·84	1·95	− 1·11	0·04	Cuddapah.
1	1	3	1		2	9	8		N 66° W	N 69° W	5·4	5·4	0	43	+13	43	−10	·514	−·115	2·5	−0·4	2	1·90	+0·10	0·45	0·74	− 0·29	1·45	1·10	+ 0·35	0·25	Bellary.
2		1	2	7	7	3	5		S 49° W	S 10° E	8·3†			40	+33	49	− 5	·613	−·053	1·9	−0·3	0	1·70	−1·70	0	0·94	− 0·94	1·05	1·56	− 0·51	0	Kurnool.
			7	19	2	1	1		S 4° E	S 29° E	7·4†	8·2	−0·8	82	+15	73	− 2	·858	−·047	2·8	−1·3	0	0·30	−0·30	0	0·40	− 0·40	11·04	2·77	+ 8·27	0	Nellore.
	1			20	8				S 12° W	S 1° E	7·6	7·7	−0·1	86	+19	82	+ 1	1·019	+·040?	4·5	+0·5	0	0·50	−0·50	0	0·47	− 0·47	4·86	1·66	+ 3·20	0	Masulipatam.
		1	1	19	7	2			S 57° W	S 66° W	6·6	7·5	−0·9	82	+35	77	+ 3	·835	+·065	5·7	+1·9	0	0·70	−0·70	0	0·35	− 0·35	4·61	2·10	+ 2·51	0	Cocanada.
				28	2				S 47° W	S 75° W	14·6			99	+26	71	− 4	·816	−·031	3·3	−0·4	0	0·90	−0·90	0	0·59	− 0·59	7·33	3·04	+ 4·29	0	Waltair (Vizagapatam).
				6	20	4			S 42° W		13·5			90						1·7		0			0·03			2·36			0·03	Calingapatam.
1			1	4	21	1			S 39° W	S 35° W	16·8	17·9	−1·1	76	+ 9	84*	+ 2	·869*	−·015	1·7	−1·8	0	1·10	−1·10	0·02	0·69	− 0·67	4·09	2·69	+ 1·40	0·02	Gopalpur.

tions, the elevations of which exceed 3,100 feet.

† Uncorrected.

* Mean of 2 days.

Tab

(2) *Abstract of observations taken at 8 hrs., at 238 statio*

Number of subdivisions.	Station.	Elevation of barometers above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	2
	Stations in the Bay																						
1	P. V. Fraser	*8*	29·843*		29·768*	29·962	21st	29·749	8th	·213	82·4												
	Car Nicobar	25	29·872		29·825	29·940	20th	29·787	6th	·153	85·4	90·6		77·4		84·0		13·2	93·6	20th	74·6	27th	19
	Port Blair	58	29·835	—·018	29·824	29·892	13th	29·791	6th 7th & 26th	·101	82·3	92·6	+0·1	79·2	+0·4	85·9	+0·3	13·4	94·7	16th	77·0	2nd & 25th,	17
	Slipper Island	90	29·797		29·821	29·876	13th	29·743	26th & 27th.	·133	83·8	91·2		80·4		85·9		10·8	93·6	23rd, 24th & 27th.	78·6	2nd	15
	Kashmir.																						
14	Srinagar	5,204	24·888	—·021	24·859	25·067	14th	24·680	8th	·387	51·1	66·5	—1·7	46·0	+0·6	56·3	—0·6	20·5	79·6	22nd	33·1	13th	46
	Gulmarg	*8,569*						Observations		not	rece	ived.											
	Sonemarg	*8,764*	21·800		21·768	21·963	21st	21·553	8th	·410	35·8	51·9		30·6		41·3		21·3	62·9	29th	22·6	14th	40
	Dras	*10,059*	20·828		20·796	21·060	21st	20·576	8th	·482	28·0	43·4		20·3		31·9		23·1	50·9	28th	1·5	15th	49
	Leh	11,503	19·719	—·011	19·687	19·907	21st	19·504	8th	·403	40·9	58·5	+1·4	32·0	+1·1	45·3	+1·3	26·5	70·1	5th	23·5	14th	46
	Skardu	*7,595*	22·884		22·854	23·095	20th & 21st	22·658	9th	·437	48·8	61·9		43·8		52·9		18·1	76·9	25th	35·6	7th & 9th,	41
	Minimarg	*9,359*						Observations		not received.													
	Astor	*7,955*						Observations		not received.													
	Gilgit	4,890	25·140		25·113	25·384	14th	24·834	8th	·550	58·4	70·5	—2·2	52·0	—2·0	61·2	—2·1	18·5	86·2	24th & 25th.	42·2	13th	44
	Baluchistan.																						
16	Quetta	5,502	24·603	—·029	24·563	24·786	14th	24·366	8th	·400	60·9 ††	74·9	+0·7	47·2 ††	+0·9	61·1	+0·8	27·7	85·6	20th & 21st.	33·8	11th	51
	Chaman	4,311	25·649	—·047	25·611	25·798	14th	25·418	8th	·380	65·0	79·2†	—2·4	55·8	—2·2	67·7‡	—2·3	23·4	92·8	21st	38·3	11th	54·5
	Robat		26·822		26·780	26·969	16th	26·635	8th	·334	73·0	88·4		64·3		76·4		24·1	101·0	19th	44·2	10th	56·8
	Hill Stations excluding Kashmir and Baluchistan.																						
	Chitral	*5,486*									51·0	66·2		46·2		56·2		20·0	83·1	22nd	33·0	9th	50·1
	Para Chinar	6,000	24·344		24·311	24·521	21st	24·099	8th	·422	55·9	68·3		48·9		58·6		19·4	81·1	20th	38·0	12th & 13th.	43·1
	Cherat	*4,256*	25·641	—·032	25·609	25·868	13th	25·482	8th	·386	61·2	70·3	—5·2	56·3 ††	—1·6	63·3 ††	—3·4	14·0	85·1	21st	43·5	13th	41·6
	Murree	6,833	23·809	—·024	23·777	23·968	21st	23·569	8th	·399	58·8	66·3	—2·5	51·7	—0·6	58·9	—1·6	14·6	79·5	22nd	32·5	14th	47·9
	Kailang	*10,087*	21·008		20·963	21·171	21st	20·808	8th	·363	38·9	50·2	—2·8	31·3	+0·1	40·8	—1·4	18·9	62·5	26th	21·3	14th	42·2
	Simla	7,224	23·109	0	23·071	23·236	21st	23·002	26th	·234	59·1	66·9	+1·7	53·1	+0·9	60·0	+1·3	13·8	74·6	22nd & 25th.	43·1	7th & 8th.	31·5
	Sarain		23·126		23·287		21st	23·052	26th	·235	55·4	66·7		45·9		56·3		20·8	74·4	25th	39·3	14th & 15th.	35·1
	Kalabagh							Register not received.															
	Chakrata	7,022	23·291	+·001	23·251	23·415	21st	23·180	26th	·234	59·9	71·9	+1·6	54·1	+2·1	63·0	+1·9	17·8	79·3	2nd, 25th & 29th.	42·2	8th	37·1
	Muktesar	7,592	22·872		22·831	23·016	21st	22·760	28th	·256	62·4	75·0		55·1		65·1		19·9	80·0	25th & 30th.	47·0	13th	33·0
	Darjeeling	7,376	23·007	+·003	22·962	23·151	21st	22·919	27th	·232	58·6	67·2	+5·0	52·1	+3·2	59·7	+4·1	15·1	74·3	15th	48·2	24th	26·1
	Shillong	4,920	25·078		25·030	25·219	21st	24·999	27th	·220	68·5	78·3		59·7		69·0		18·6	83·9	7th, 8th & 15th.	52·2	8th	31·7
	Cherra Poonjee	4,309	25·683		25·634	25·785	21st	25·592	26th	·193	66·5	74·0		61·7		67·9		12·3	80·2	1st	56·3	8th	23·9
	Maymyo	3,545	26·403		26·348	26·483	21st	26·347	7th	·136	72·2	85·9		64·8		75·3		21·1	90·4	4th & 8th.	46·1	7th	44·3
	Pachmarhi	3,528	26·426	—·008	26·383	26·563	13th	26·375	28th	·188	79·4	93·1	+0·6	70·0	+0·4	81·6	+0·5	23·1	98·2	22nd	58·6	13th	39·6
	Mount Abu	3,945	26·043	—·010	25·993	26·171	13th	25·928	8th	·243	75·4	83·9	—1·8	69·0	—0·1	76·5	—1·0	14·9	89·7	22nd	53·9	12th	35·8
	Mercara	3,781	26·220	—·014	26·153	26·254	21st	26·158	11th	·096	70·3	83·0	—0·9	64·2	0	73·6	—0·5	18·8	89·0	16th	60·0	20th	29·0
	Ootacamund	*7,329*	23·034		22·970	23·099	21st	22·991	19th	·108	63·0	71·5		52·1		61·8		19·4	74·5	24th & 30th.	48·2	3rd	26·3
	Kodaikanal	7,698	22·847		22·781	22·884	21st	22·805	8th & 11th.	·079	60·8	70·3		54·8		62·6		15·5	75·0	26th	52·0	5th & 13th.	23·0

* Mean of 21 days. † Mean of 28 days ‡ Mean of 27 days.

†† „ 29 „

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill

N.B.—Elevations in italics indicate barometrical determinations.

B—*continued.*

***in India, etc., in April, 1908*—continued.**

Wind direction. Number of winds from: Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 30th April 1908.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec. 1907 to 30th April 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Stations in the Bay.
					6	17	3		S 40° W		8·0‖			89‖		90‖		·998‖		4·2‖		0			0					0	(b) P.V.Fraser.
																																(c)
4	7	5				3	3	3	N 20° W		1·5§			48		77		·937		10·0		10			3·25			14·51			1·00	Car Nicobar.
11	2	1		1			2	13	N 41° W	N 2° W	5·1§	4·8	+0·3	49	+19	82	− 1	·903	− ·046	6·1	+1·7	3			1·14	3·33	− 2·19	14·98	11·77	+ 3·21	0·55	Port Blair.
4	3				1	2	8	12	N 63° W		8·3			66		75		·872		4·1		1			0·25			14·54			0·24	Slipper Island.
																																Kashmir.
5	3	2		7	3	3	1	6	S 66° W	S 29° E	5·1	4·8	+0·3	7	− 4	84	0	·319	− ·014	5·8	+1·3	12	6·80	+5·20	10·61	2·69	+ 7·92	15·89	13·03	+ 2·86	2·49	Srinagar.
																	Observations not received															Gulmarg.
														17		?		?		5·5		16			16·53			45·75			3·20	Sonemarg.
15	2	5	3		2	2		1	N 57° E		3·5			3		81		·129		4·4		16	8·80	+ 7·20	4·98	3·85	+ 1·13	10·60	16·98	− 6·38	1·16	Dras.
29					1				S		1·0					43	− 5	·103	− ·007	4·8	−0·7	0	0·70	−0·70	0·09	0·16	− 0·07	0·70	1·23	− 0·53	0·07	Leh.
26	1				1				(a)	S 66° W	4·2§	3·1	+1·1			59		·197		5·5		7	2·00	+5·00	3·03	2·65	+ 0·38	3·69	7·42	− 3·73	0·82	Skardu.
23		1		3	2		1		S 29° E		6·0			13			Observations not received															Minimarg.
																	Observations not received															Astor.
27			1			1		1	S 45° W		1·3			3		73	+23	·355	+ ·111	6·8	+1·6	5	2·80	+2·20	1·60	1·15	+0·45	2·08	2·20	− 0·12	0·44	Gilgit.
																																Baluchistan.
19	3		1	1	2		2	2	N 45° W	S 45° W	3·2	3·5	−0·3	10	+ 3	47	− 5	·243	− ·039	2·1	−0·4	2	2·40	−0·40	0·93	1·07	− 0·14	3·93	7·96	− 4·03	0·61	Quetta.
12		1		2	5	8	1	1	S 26° W	S 2° W	6·6	8·1	−1·5	40	− 3	48‡	− 5	·293‡	− ·015	3·8	+1·4	3	1·60	+1·40	1·10	0·43	+ 0·67	5·40	5·71	− 0·31	0·62	Chaman.
19		6			1	5	7	1	N 87° W		7·3			23		43		·341		0·9		3			1·03			3·38			0·60	Robat.
																																Hill stations exoluding Kashmir and Baluchistan.
26		2							N 45° E		2·7			10		79		·292		4·6		13			6·74			11·47			1·25	Chitral.
30									(a)		5·1					68		·299		5·0		16	8·50	+ 7·50	10·74	3·19	+ 7·55	18·32	11·30	+ 7·02	2·62	Para Chinar.
7	14							9	N 17° W	N 11° W	6·6	13·1	−6·5	69	+17	61	+13	·317	+ ·049	3·8	+0·6	9			9·18	2·22	+ 6·96	16·55	12·39	+ 4·16	4·15	Cherat.
7	8			3	4	8			S 64° E	N 68° E	7·3	9·3	−2·0	23	+ 3	52	+ 6	·247	+ ·022	4·5	+0·4	11	5·90	+ 5·10	6·68	3·35	+ 3·33	13·53	16·05	− 2·52	1·25	Murree.
		1	2	6	5	4	8	4	S 38° W		1·3§	2·0	−0·7	37		67		·149		4·6		12			10·74	2·96	+ 7·78	16·87	13·56	+3·31	1·84	Kailang.
2	15			2	10				N 14° E	N 39° E	6·7	6·2	+0·5	10	−10	41	+ 1	·199	+ ·002	2·9	−0·3	7	3·10	+3·90	3·75	1·70	+ 2·05	10·57	10·71	−0·14	1·28	Simla.
14		3	2		4	6	1		S 9° W		3·4			20		54		·229		3·7		7			4·75			9·10			1·28	Sarain.
																	Register not received.															Kalabagh.
7	14	1			1			7	N 13° W	N 17° E	8·3	7·5	+0·8	66	+28	46	+ 3	·227	+ ·017	2·3	+0·2	5	3·90	+1·10	1·78	1·44	+ 0·34	10·55	12·83	−2·28	0·85	Chakrata.
13	2	2	1		1		11		N 74° W		8·0			30		31		·172		2·0		2			0·34			0·35			0·19	Muktesar.
4	1	8	5	6		2	1	3	N 73° E	S 28° E	6·3	8·6	−2·3	83	+25	77	− 4	·381	+ ·032	9·7	−0·1	3	8·29	−5·29	1·24	4·34	− 3·10	5·92	7·84	−1·92	0·48	Darjeeling.
7		1			8	14			S 28°W		9·4			62		54		·381		2·1		4	8·70	−4·70	1·84	4·29	− 2·45	5·27	7·71	− 2·44	0·75	Shillong.
5	1	1	3	2	2	13	3		S 33° W		8·4			43		86		·555		5·1		15	17·00	− 2·00	14·60	32·92	−18·32	16·46	49·87	−33·41	5·70	Cherra Poonjee.
13	1	4	1		2	7	2		S 45° W		2·7			13		73		·573		1·3		6	4·30	+ 1·70	6·04	2·80	+ 2·24	7·85	3·95	+3·90	3·44	Maymyo.
4	1	4	1			3	6	11	N 52° W	N 88° W	7·0	6·0	+1·0	49	+22	29	0	·276	− ·029	0·8	−1·1	1	0·80	+ 0·20	0·58	0·25	+0·33	3·34	2·17	+ 1·17	0·53	Pachmarhi.
2	1	1			1	6	8	11	N 78° W	N 63° W	9·5	8·8	+0·7	62	+19	27	− 2	·237	− ·027	1·4	+0·4	0	0·30	−0·30	0	0·04	− 0·04	0·71	1·00	− 0·29	0	Mount Abu.
3	9	4	1				5	8	N 21° W	N 21° W	4·0	4·0	0	62	+22	78	0	·567	− ·019	5·3	+1·1	7	5·70	+ 1·30	3·55	2·67	+ 0·88	6·32	4·15	+ 2·17	0·83	Mercara.
2	1	2	17	6	2				S 81° E		5·2			76		52		·304		3·6		5	7·10	−2·10	2·00	3·46	− 1·46	5·90	6·84	− 0·94	0·56	Ootacamund
	3	8	12	3	1			3	N 67° E		12·9§			66		57		††·305		2·2		6	7·00	− 1·00	3·44	5·29	− 1·85	14·96	17·10	− 2·14	0·76	Kodaikanal.

§ Uncorrected.
‖ Mean of 26 days.
(a) Indeterminate.
(b) Wind observations of 26 days.
(c) " " " 25 "

or plateau stations, the elevations of which exceed 3,200 feet.

Tab

(2) Abstract of observations taken at 8 hrs., at 238 statio

Number of sub-division.	Station.	Elevation of bar cistern above sea-level in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Extra India.																						
	Singapore (*a*)	10	29·909		29·840	29·961	15th & 19th.	29·868	5th	·093	85·5	89·1		75·0		82·1		14·1	92·5	12th	73·0	11th	19·5
	Penang (*a*)	20	29·900		29·845	29·953	14th	29·828	6th	·125	83·9	92·0		75·1		83·6		16·9	95·0	9th, 10th & 16th.	73·0	22nd, 27th & 28th.	22·0
	Trincomalee	12	29·883?	+·012?	29·821?	29·938	16th	29·817	28th	·121	79·8	91·4	+0·4	78·5	+0·9	85·0	+0·7	12·9	97·0	25th	75·5	18th	21·5
	Colombo	40	29·847	−·034	29·813	29·900	21st	29·771	8th	·129	78·8	89·6	+0·7	77·7	+1·7	83·7	+1·2	11·9	91·5	13th	74·0	1st & 17th.	17·5
	Minicoy	7	29·915		29·848	29·991	20th	29·845	8th	·146													
	Amini Divi	*13*	29·887	−·008	29·828	29·935	21st	29·816	8th	·119	84·7	92·8	+2·4	80·5	+0·5	86·7	+1·5	12·3	96·3	26th	74·3	16th	22·0
	Gyantse	13,120	18·548			18·711	21st	18·382	27th	·329	42·9	65·0		27·9		46·4		37·1	74·9	13th	20·7	4th & 8th.	54·2
	Pharijong	14,400	17·928‡			18·010	21st	17·810	27th	·200	36·5	56·3		21·2		38·8		35·1	65·9	3rd	12·0	4th	53·9
	Gangtok	5,660?									63·1	72·9		56·5		64·7		16·4	78·1	15th	49·0	19th	29·1
	Gartok	15,100?						Observatory		not	opened.												
	Kashgar (*c*)	4,255	25·487			25·990	30th	25·280	8th	·710	58·8	73·4	+1·9	50·8	+1·8	62·1	+1·9	22·6	90·1	22nd & 23rd.	45·3	28th	44·8
	Kabul		24·229		24·198	24·374	21st	23·958	8th	·416	54·9	69·8	−1·6	44·7	−0·4	57·3	−1·0	25·1	84·2	21st	34·9	10th	49·3
	Meshed	3,104	26·705			26·926	16th	26·539	19th	·387	53·6	68·0		44·1		56·1		23·9	84·4	27th	29·8	11th	54·6
	Jask*	13	29·850	−·032	29·820	30·018	13th	29·642	7th	·376	77·8	85·5	−1·8	72·3	−1·1	78·9	−1·5	13·2	92·3	22nd	62·3	16th	30·0
	Muscat	20	29·852	−·017	29·820	30·029	13th	29·652	7th	·377	83·1	92·3	+6·5	78·7	−1·8	85·5	+2·4	13·6	103·3	28th	72·1	11th	31·2
	Bahrein	18	29·893		29·864	30·036	10th	29·699	5th	·337	75·5			69·7							61·1	9th	
	Bushire	14	29·863	−·028	29·836	29·999	14th	29·744	6th	·255	74·3	82·5	+0·9	68·1	+1·4	75·3	+1·2	14·4	98·6	30th	57·1	11th	41·5
	Busrah	25	29·892		29·877	30·040	10th & 11th.	29·697	2nd	·343	71·6	84·4		62·4		73·4		22·0	94·4	24th	54·1	8th & 9th.	40·3
	Ispahan (*b*)	*5,817*	24·209			24·340	14th	24·000	8th	·340	51·7	71·0	−2·1	47·0	+1·4	59·0	−0·4	24·0	80·4	18th	34·2	10th	46·2
	Tehran (*b*)	*4,002*	25·758			25·910	10th	25·610	6th	·300	54·9	70·8	−0·6	48·6	−1·2	59·7	−0·9	22·2	81·5	24th	30·7	8th & 9th.	50·8
	Baghdad	220									66·0	82·4	+0·8	60·4	+3·5	71·4	+2·2	22·0	94·0	23rd	51·0	8th	43·0
	Beirut				29·894						64·3	71·0		56·8		63·9		14·2	89·8	10th	51·2	5th	38·6
	Aden	94	29·858	+·017	29·884	29·996	13th	29·739	8th	·257	80·2	86·3	−2·8	77·1	−0·2	81·7	−1·5	9·2	93·3	7th	73·4	19th	19·9
	Perim	201									80·3	86·5	−2·2	77·1	−1·7	82·0	−2·0	9·4	91·3	30th	74·6	8th	16·7
	Zanzibar	72	29·914	−·024	29·913	30·006	26th	29·858	5th	·148	80·6	86·5	+1·3	78·2	+0·6	82·4	+1·2	8·3	90·9	7th	74·2	28th	16·7
	Do. Dunga	*154*	29·744		29·826	29·816	4 days	29·714	8th & 14th.	·102	77·1			76·9							73·3	16th	

N.B.—Elevations in italics indicate barometrical determinations.

NOTE—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations the elevations of which exceed 3,200 feet.

(*a*) 9 hrs. observations
(*b*) Aneroid uncorrected.
(*c*) ,, corrected.

* Mean of 29 days.

‡ Mean of 11 days.

B—*concluded.*

in India, etc., in April, 1908—concluded.

Wind direction. Number of observations: N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity miles per hr.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st Dec. 1907 to 30th April 1908.	Normal rainfall for period 1st Dec. to 30th April.	Departure from normal of period 1st Dec. 1907 to 30th April 1908.	Heaviest rainfall during month.	Station.
26		28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																															Extra India.
9	12		1		1	1	6	N 11° E		3·7†			49						5·1		9			6·70			35·84			2·32	Singapore.
7	7	4		4		1	7	N 13° E		10·9†			43						2·7		10			8·93			26·28			3·55	Penang.
				9	7	1		S 24° W	S 39° W	2·5†	6·8	−4·3	53	−15	90	+ 9	·925*	−·002	1·3	−1·8	0			0·18	1·81	−1·63	20·12	26·52	−6·40	0·06	Trincomalee.
	4	3	5	4	10	4		S 9° W	S 12° E	5·1†	6·3	−1·2	49	−12	90	+12	·893	−·001	5·4	+0·5	12			10·16	12·03	−1·87	21·12	25·76	−7·64	2·19	Colombo.
7	5				3	14		N 24° W	N 59° W	4·7	7·4	−2·7	73	+18					3·2	−1·5	5			6·38	3·67	+2·71	9·54	11·75	−2·21	2·76	Minicoy.
8	4		1		3	5	9	N 36° W					57		74	− 1	·883	−·043	4·3	−0·6	1			0·39	2·58	−2·19	1·59	3·09	−1·50	0·37	Amini Divi.
		3	20	7				S 39° E		2·8			87		55		·155		0		0			0			0			0	Gyantse.
4			4	3	1		1	S 27° E		8·1			15		95		·209		2·5		0			0			1·15			0	Pharijong. (*d*)
				2	1			S 18° W		4·5			12		76		·439		0·4		14			11·40			17·47			2·30	Gangtok. (*e*)
																Obser	vatory	not op	ened.												Gartok.
						1	3	N 56° W	N 21° W	2·5	4·6	−2·1	10	− 2	47	+1	·231	+·011	3·4	−1·6	3			0·70	0·12	+0·58	1·58	0·90	+0·68	0·50	Kashgar.
9	11			1	5	2	2	N 4° E	N 89° W				47	+34	71		·305		3·5	+1·6	9			5·31	2·24	+3·07	18·92	9·65	+ 9·27	1·32	Kabul.
3		1	2	2			5	N 18° W		1·7			10		78		·328		6·0	+1·6	5			2·31	1·73	+0·56	4·29	6·35	− 2·06	1·00	Meshed.
1	2	3	6	1	1	5	4	S 8° E	N 45° W	10·0¶	9·8	+0·2	2	−13	73	+7	·696	+·024	1·1	+0·1	0			0	0·03	−0·03	0·98	3·80	− 2·82	0	Jask.
1			2				6	N 37° W	N 51° W	4·4	4·3	+0·1	17	−13	53	−5	·603	−·042	1·0	+0·2	1			0·13	0·03	+0·10	0·88	3·40	− 2·52	0·13	Muscat.
5	2	2	2	2	6	4	7	N 63° W		8·1			30		73		·651		0·3		1			0·15			1·11			0·15	Bahrein.
3	3	4	4	2	2		8	N 24° E	N 1° E	12·2	9·0	+3·2	20	−17	62	0	·518	+·001	4·0	+1·6	1			0·11	0·53	−0·42	5·75	10·24	− 4·49	0·11	Bushire.
3	1	1	2	3	7	6	5	S 80° W		6·1			37		63		·489		3·1		1			0·49			5·05			0·33	Busrah.
1					3	3	1	S 86° W	N 83° W	3·9	6·4	−2·5	20	−17	66	+1	·258	−·065	3·4	+0·7	4			1·13	0·38	+0·75	5·23	2·34	+ 2·89	0·62	Ispahan.
7	12	1					1	N 29° E	S 63° W	5·8	4·4	+1·4	60	+45	63	+17	·271	+·031	0·9	−2·2	3			1·41	1·18	+0·23	7·88	7·46	+0·42	0·76	Tehran
4	2	1	2	1	3	3	6	N 50° W	N 2° W	8·8	4·2	+4·6	27	− 6	57	−5	·369	−·033	3·0	+1·4	1			0·25	0·96	−0·71	3·09	7·75	− 4·66	0·25	Baghdad.
1	3	1	1		20	1		S 44° W					53		73		·435		4·7		6			1·48			21·02			0·48	Beirut.
	7							N 40° E	N 80° E	18·4	15·4	+3·0	100	+26	77	+3	·824	+·033	4·3	+0·9	0			0	0·38	−0·38	0·14	2·23	− 2·09	0	Aden.
1		9	6	11	1		2	S 38° E	S 69° E	17·3	18·0	−0·7	60	+ 2	77	+1	·798	−·041	0	−4·3	0			0	0·02	−·002	2·23	0·97	+1·26	0	Perim.
2	2			8	8	1		S 27° W	S 15° W	4·6	7·1	−2·5	37	−47	85	−1	·887	+·029	7·0	+0·7	18			10·47	10·39	+0·08	20·36	24·41	− 4·05	1·54	Zanzibar.
			3		3	8	3	S 79° W		3·2			33		96		·901		3·7		16			11·38			19·30			2·00	Do. Dunga.

† Uncorrected.

(*d*) Wind observations of 13 days.
(*e*) ,, ,, ,, 26 ,,

¶ Mean of 28 days.

Table C.—Abstract of observations taken at 8 hrs. at 27 fourth-class stations in India, etc., in April, 1908.

Tab

Abstract of observations taken at 8 h

Number of subdivisions.	Station.	Temperature of air.												Wind direction.									
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from								Resultant direction.
															Calm.	N.	NE.	E.	SE.	S.	SW.	W.	NW.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
	II.—Eastern Bengal and Assam.																							
4	Bishnath	70·8	89·2	...	63·4	...	76·3	...	25·8	98·6	23rd	59·6	28th	39·0	...	...	...	...	...	...	...	...	...
	Borjuli	75·2	90·8	...	67·9	...	79·4	...	22·9	98·0	22nd	64·4	10th & 20th.	33·6	...	...	...	...	...	...	...	...	...
	Chandkhira	77·5	93·3	...	68·2	...	80·8	...	25·1	100·4	1st	62·2	20th	38·2	...	...	...	...	...	...	...	...	...
	Doom Dooma	68·6	76·4	...	64·5	...	70·5	...	11·9	84·9	14th & 23rd.	57·3	4th	27·6	...	...	...	...	...	...	...	...	...
	Dikom	79·0	85·1	...	66·3	...	75·7	...	18·8	96·6	23rd	60·0	20th	36·6	...	...	...	...	...	...	...	...	...
	Golaghat	75·0	87·3	...	68·0	...	77·7	...	19·3	95·6	1st	60·9	20th	34·7	...	...	...	...	...	...	...	...	...
	Hailakandi	73·2	92·7	...	69·8	...	81·3	...	22·9	100·1	2nd	64·0	20th	36·1	...	...	...	...	...	...	...	...	...
	Jorehat	74·0	86·4	...	68·3	...	77·4	...	18·1	95·4	1st	62·3	20th	33·1	...	...	...	...	...	...	...	...	...
	Messa	77·0	94·0	...	67·2	...	80·6	...	26·8	100·8	23rd	61·9	21st	38·9	...	...	...	...	...	...	...	...	...
	Panerihat	69·4	87·3	...	66·4	...	76·9	...	20·9	95·1	1st	61·0	17th	34·1	...	...	...	...	...	...	...	...	...
	Srimangal	80·4	94·5	...	71·2	...	82·9	...	23·3	100·6	1st	63·8	20th	36·8	...	...	...	...	...	...	...	...	...
	Tura††	84·4	92·3	...	72·6	...	82·5	...	19·7	98·6	14th	61·4	28th	37·2	...	1	...	...	5	4	20	...	...	S 28° W
5	Brahmanbaria	80·5	95·8	...	74·2	...	85·0	...	21·6	102·9	20th	64·8	25th	38·1	...	...	...	...	...	...	...	...	...	...
	Dam Dim	75·5	94·1	...	67·2	...	80·7	...	26·9	100·9	23rd	59·9	16th	41·0	...	...	...	...	...	...	...	...	...	...
	Goalundo	83·2	100·5	...	73·8	...	87·2	...	26·7	107·6	3rd	66·4	16th	41·2	...	...	...	...	...	...	...	...	...	...
	Kalchini	80·9	91·2	...	68·6	...	79·9	...	22·6	97·6	23rd	61·9	16th	35·7	...	...	...	...	...	...	...	...	...	...
	Nagrakata	76·5	93·7	...	69·6	...	81·7	...	24·1	100·1	23rd	65·0	18th	35·1	...	...	...	...	...	...	...	...	...	...
	Pabna	82·8	102·3	...	73·8	...	88·1	...	28·5	107·8	10th	62·3	16th & 17th.	45·5	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																							
6	Fraserganj	82·4	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	...	...	24	...	...	...	S
	XI.—Central Provinces.																							
24	Chhindwara	Observatory not opened.																						
	Hill Stations.																							
	Panighatta	82·0	93·6	...	71·7	...	82·7	...	21·9	98·5	2nd	67·9	3rd	30·6	...	..	...	...	...	...	...	...	...	...
	Kurseong	66·8	77·3	...	61·6	...	69·5	...	15·7	82·3	22nd & 23rd.	56·8	17th	25·5	...	...	...	...	...	...	...	...	...	...
	Poo	...	54·1†	...	40·3‡	...	47·2†	...	13·8	66·8	1st	31·8	9th	35·0	20	...	...	...	5	2	1	...	1	S 18° E
	Kargil	40·1	57·2	...	36·3	...	46·8	...	20·9	71·1	25th	29·4	14th	41·7	...	4	4	1	2	2	5	4	8	N 53° W
	Killa Drosh	52·6	66·1	...	50·3	...	58·2	...	15·8	82·2	22nd	33·0	9th	49·2	18	...	4	...	2	...	...	...	6	N
	Pishin	...	76·0	...	48·4	...	62·2	...	27·6	89·2	21st	36·0	13th	53·2	...	...	...	...	...	...	...	...	...	...
	Kalat	56·2	73·4	—2·1	41·4	+4·1	57·5	+1·0	32·0	84·8	21st	26·1	11th	58·7	...	5	...	...	...	25	...	...	...	S
	Extra India.																							
	Birjand	60·4	70·4†	...	51·9†	...	61·1§	...	18·5	82·2	19th	32·3	11th	43·9	8	6	11	1	1	...	...	1	...	N 35° E

†† 10 hrs. observations.

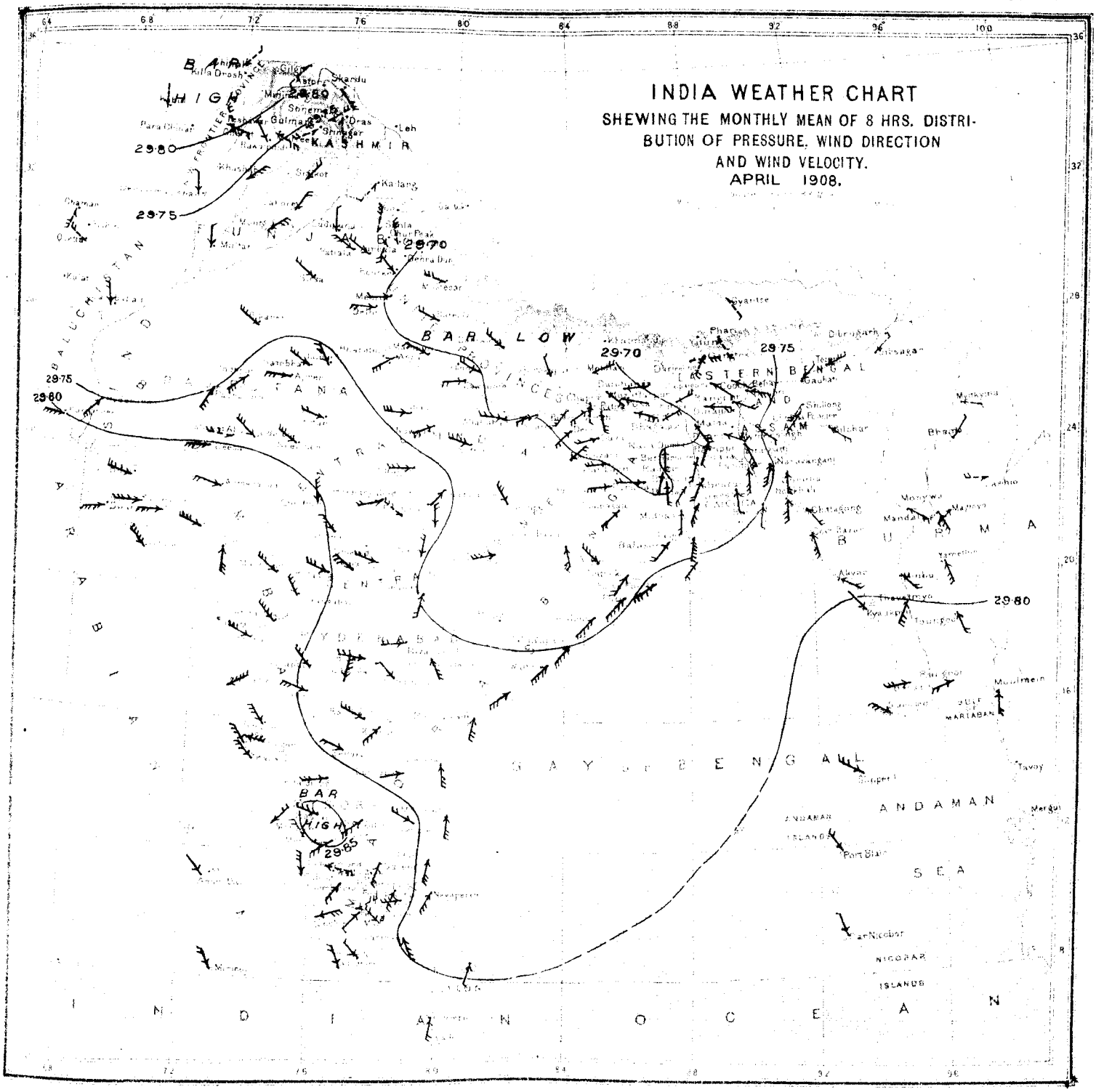
C.

at 27 fourth-class stations in India, etc., in April, 1908.

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station
Mean velocity, miles per hour.	Normal.	Percentage departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st December 1907 to 30th April 1908.	Normal rainfall for period, 1st December to 30th April.	Departure from normal of period, 1st December 1907 to 30th April 1908.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Eastern Bengal and Assam.
...	...	...	...	...	94	...	·711	...	...	...	7	...	...	2·97	...	...	5·19	...	...	1·07	Bishnath.
...	...	...	...	...	86	...	·739	...	...	...	9	...	...	3·75	...	...	5·50	...	...	1·10	Borjuli.
...	...	...	...	...	84	...	·786	...	...	...	6	...	...	11·40	...	...	16·33	...	...	4·00	Chandkhira.
...	...	...	...	...	95	...	·673	...	...	...	13	...	...	13·36	...	...	16·46	...	...	3·86	Doom Dooma.
...	...	...	...	...	89	...	·677	...	...	...	12	...	...	11·67	...	...	16·25	...	...	3·20	Dikom.
...	...	...	...	...	85	...	·743	...	...	...	12	...	...	4·55	...	...	7·03	...	...	0·95	Golaghat.
...	...	...	...	...	89	...	·731	...	...	...	11	...	...	8·69	...	...	11·83	...	...	1·20	Hailakandi.
...	...	...	...	...	84	...	·697	...	...	...	11	...	...	6·53	...	...	9·68	...	...	2·33	Jorehat.
...	...	...	...	...	78	...	·720	...	...	...	8	...	...	6·63	...	...	8·25	...	...	3·20	Messa.
...	...	...	...	...	87	...	·631	...	...	...	10	...	...	6·36	...	...	9·11	...	...	1·47	Panerihat.
...	...	...	...	...	81	...	·836	...	...	...	14	...	...	11·28	...	...	18·40	...	...	2·50	Srimangal.
...	...	...	80	...	56	...	·654	...	3·2	...	8	...	...	5·27	...	...	7·48	...	...	2·17	Tura.
...	...	...	...	...	83	...	·873	...	...	...	7	...	...	8·08	...	...	10·48	...	...	3·29	Brahmanbaria.
...	...	...	...	...	75	...	·663	...	...	...	4	...	...	6·01	...	...	7·91	...	...	3·75	Dam Dim.
...	...	...	...	...	77	...	·875	...	...	...	4	...	...	2·30	...	...	3·02	...	...	0·85	Goalundo.
...	...	...	...	...	80	...	·858	...	...	...	7	...	...	6·92	...	...	8·72	...	...	3·08	Kalchini.
...	...	...	...	...	74	...	·677	...	...	...	7	...	...	4·16	...	...	5·81	...	...	1·52	Nagrakata.
...	...	...	...	...	81	...	·913	...	...	...	3	...	...	0·52	...	...	2·30	...	...	0·20	Pabna.
																					III.—Bengal.
...	...	...	60	...	90	...	·999	...	...	...	0	...	...	0	...	...	0·98	...	...	0	Fraserganj.
																					XI.—Central Provinces.
											Observatory not opened.										Chhindwara.
																					Hill Stations.
...	...	...	...	...	53	...	·578	...	...	...	1	...	...	0·36	...	...	2·18	...	...	0·16	Panighatta.
...	...	...	...	...	74	...	·469	...	...	...	3	...	...	0·74	...	...	3·78	...	...	0·38	Kurseong.
...	...	...	21	...	...	...	...	...	0·4	...	9	...	...	10·37	1·42	+8·95	12·86	14·01	—1·15	3·14	Poo.
...	...	...	33	...	82	...	·208	...	4·8	...	5	...	...	3·66‖	...	...	5·63	...	...	0·80‖	Kargil.
...	...	...	19	...	70	...	·266	...	3·6	...	16	...	...	10·90	...	...	16·05	...	...	2·60	Killa Drosh.
...	...	...	...	...	...	...	...	...	2·1	...	2	...	...	0·79	0·86	—0·07	3·51	8·91	—5·40	0·31	Pishin.
...	...	...	47	...	54†	...	·245	...	...	...	3	...	...	1·12	...	...	3·81	...	...	0·76	Kalat.
																					Extra India.
...	...	...	57	...	45†	...	·228†	...	5·1†	...	3	...	...	0·69	...	...	5·44	...	...	0·26	Birjand. ¶

† Mean of 28 days.
‡ „ „ 29 „
§ „ „ 27 „

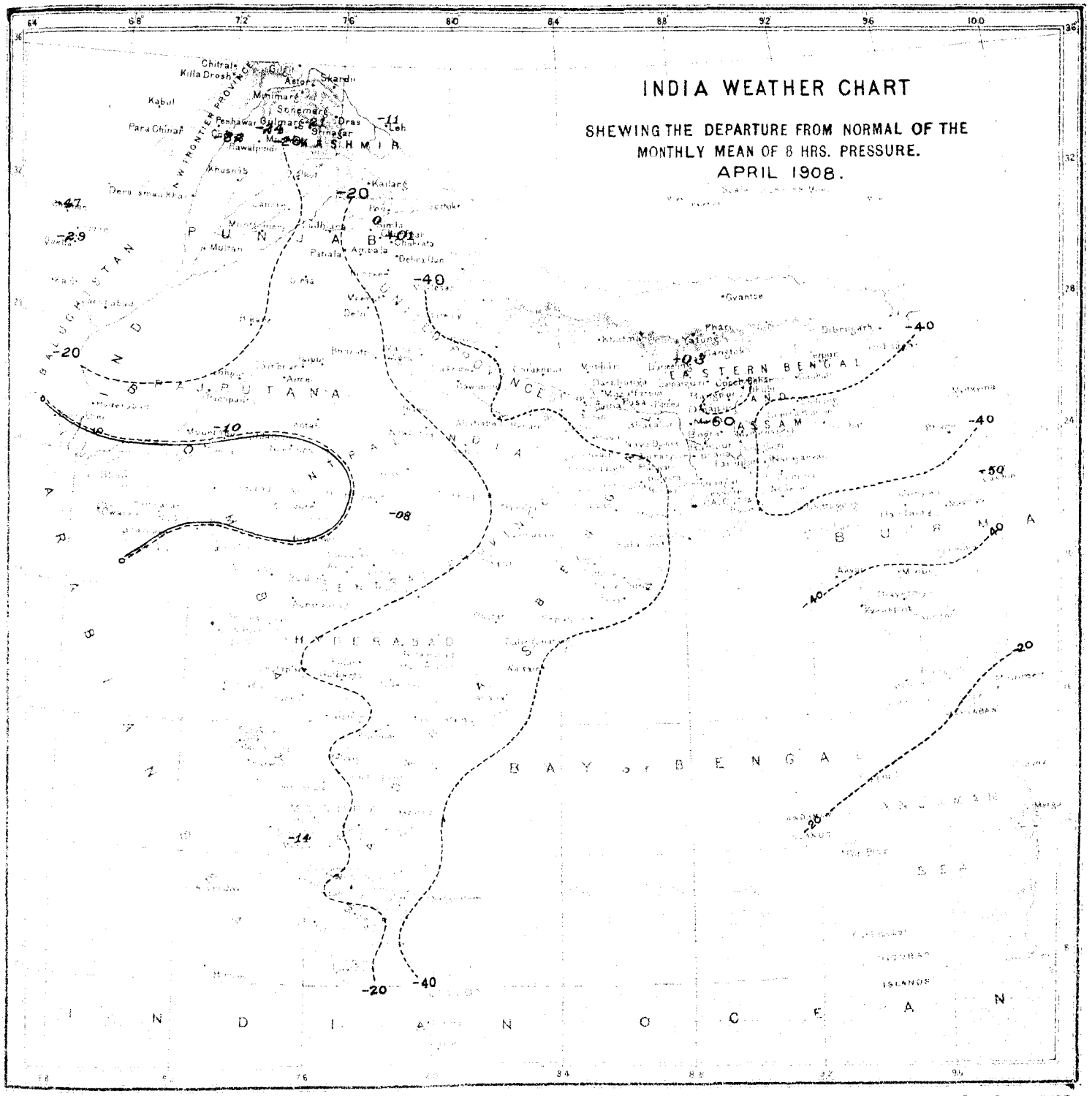
‖ Snow & rain water.
¶ Wind observations of 28 days.



The lines of the above chart represent isobars or lines of equal barometric pressure, the numbers attached indicating the barometric pressure in inches and being drawn for differences of pressure of ·05 inch. The isobars in the Bay of Bengal are filled in by means of the ships observations, and by comparison with the normal distribution of pressure.

The mean 8 hrs. wind directions of the month are shown by means of arrows flying with the wind, and are calculated by means of Lambert's formula applied to the winds as given in Table B of the 8 hrs. observations. The mean wind directions for the hill stations are indicated by broken arrows to distinguish them from the wind arrows for the plain stations. The mean velocity of the winds during the month is shewn by the following notation:

Velocity of	0 to 2 miles per hour	...	one feather added to the wind arrow.
,,	2 to 5 ,, ,, ,,	...	two feathers ,, ,, ,, ,,
,,	5 to 10 ,, ,, ,,	...	three ,, ,, ,, ,, ,,
,,	10 to 20 ,, ,, ,,	...	four ,, ,, ,, ,, ,,
	over 20 ,, ,, ,,	...	five ,, ,, ,, ,, ,,



LITHO BY P. BANERJEE.

The chart shows the departure from normal of the mean during the month of 8 hrs. pressure by means of lines drawn for equal amounts of departure. The numbers are given in thousandths of an inch, 20 representing ·020 or two hundredths of an inch, &c. Continuous lines indicate that the pressure was in excess by amounts indicated by the numbers attached to the lines, and broken or dotted lines that it was in defect by amounts indicated by the numbers attached to the lines. Two parallel lines near to each other, one continuous and the other broken or dotted, represent the line of no departure, the dotted line facing the area of deficient pressure or negative departures.

PLATE III.

CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MAXIMUM TEMPERATURE.

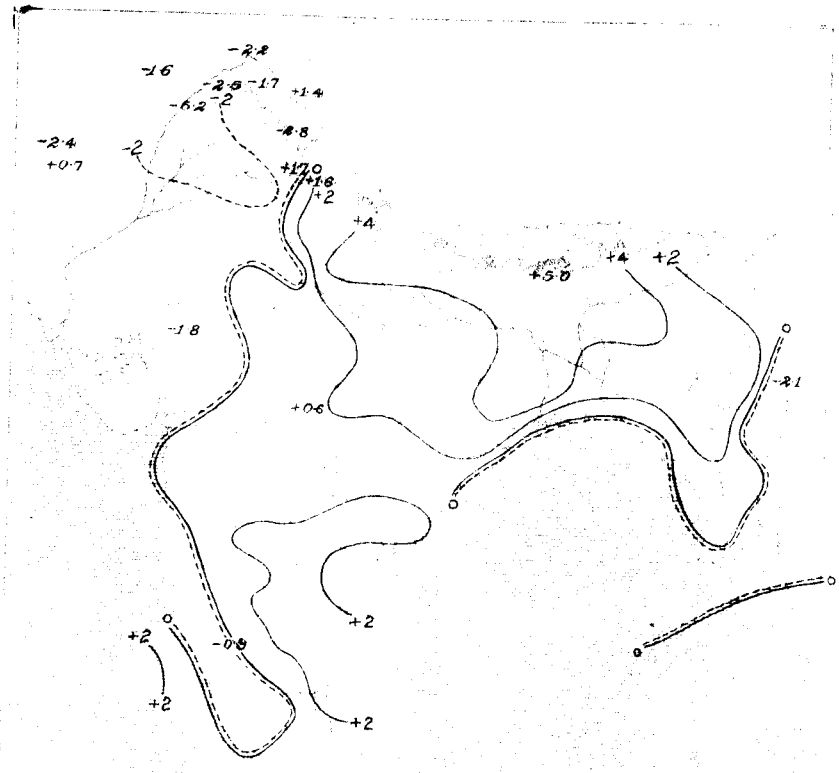


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

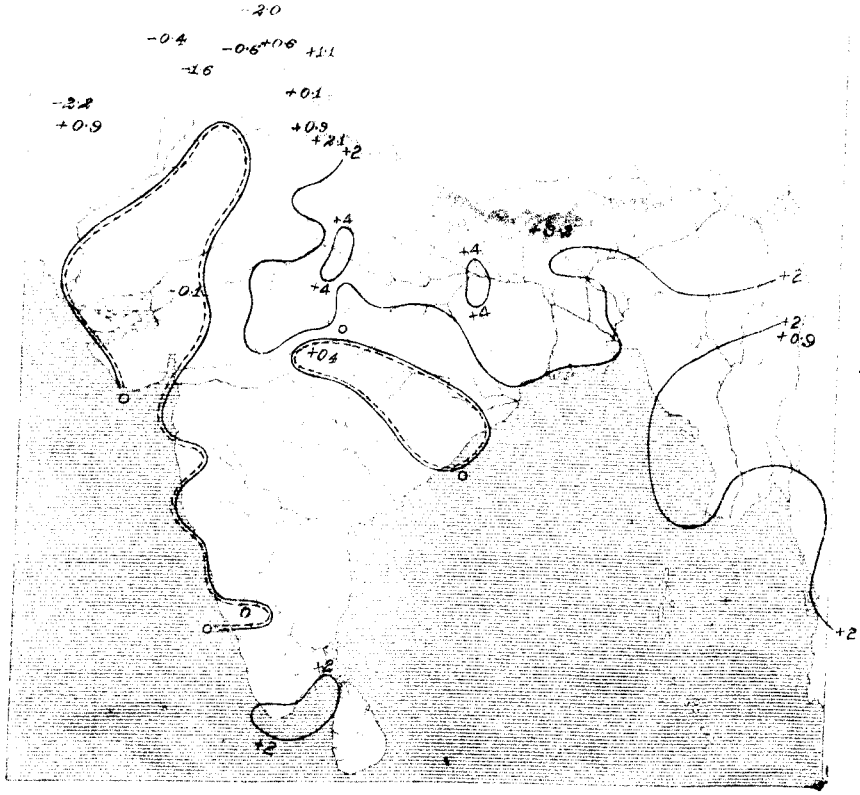


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MEAN TEMPERATURE.

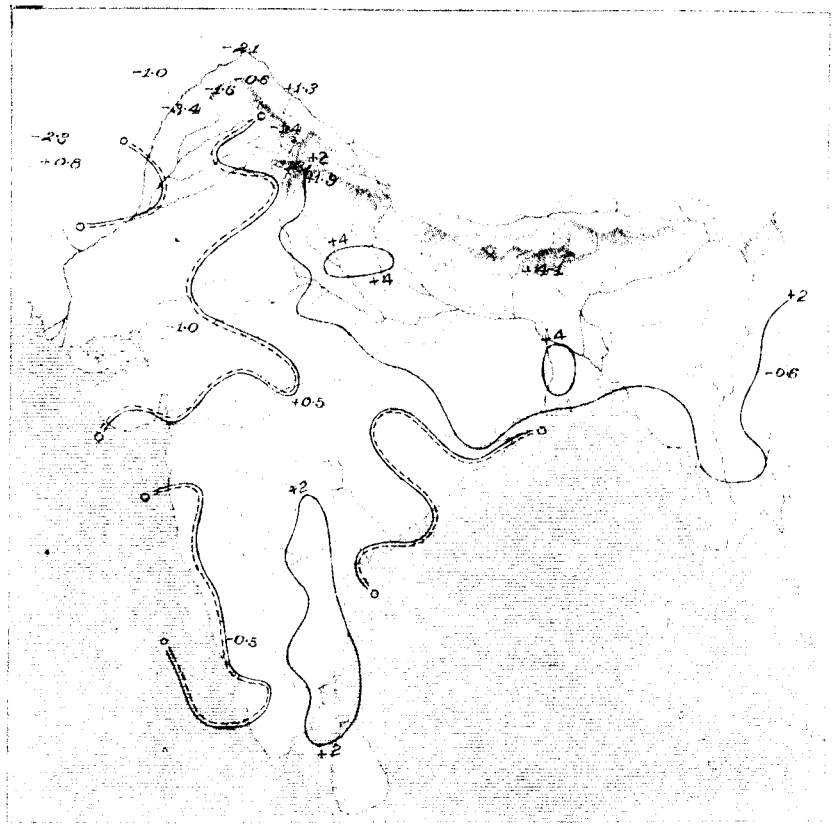
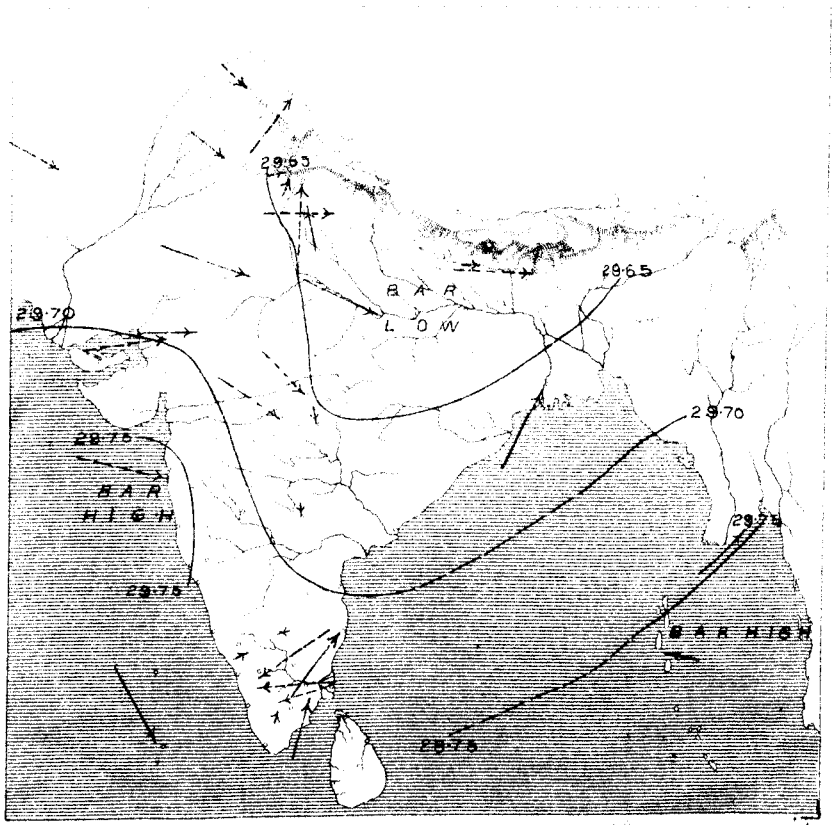


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.



LITHO BY P.N.BANERJI.

PLATE V.

CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF ABSOLUTE
HUMIDITY AT 8 HRS.

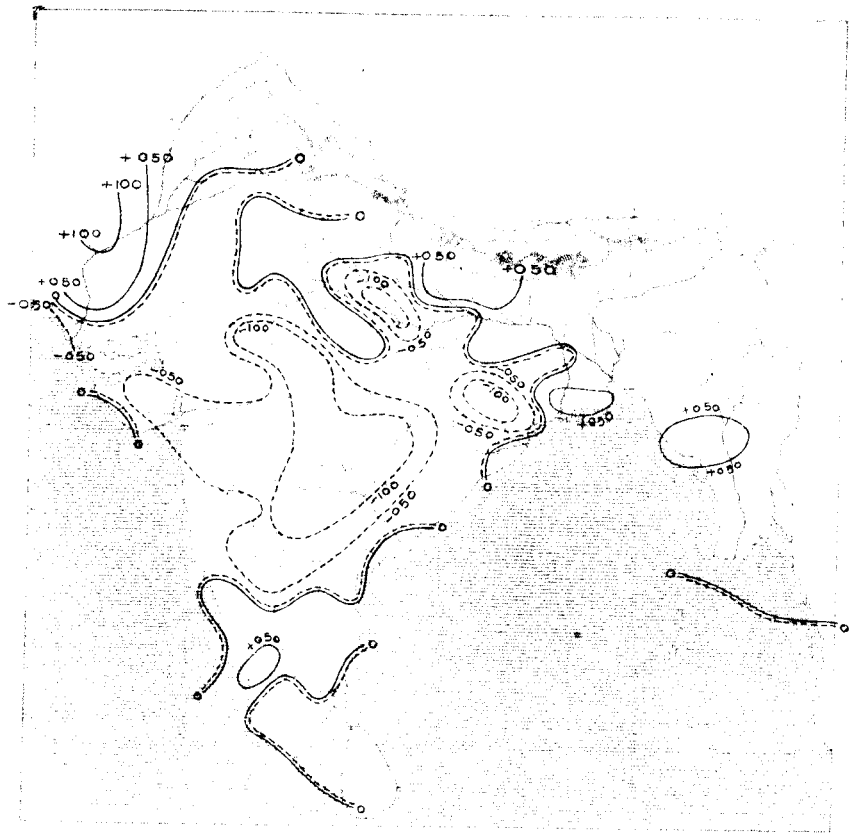
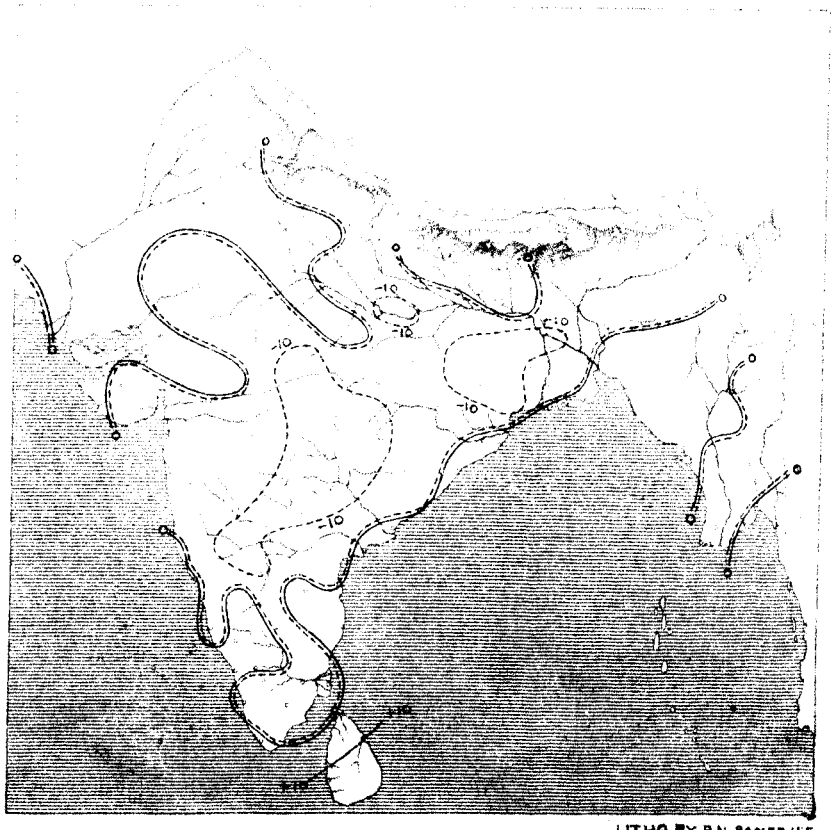


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF RELATIVE
HUMIDITY AT 8 HRS



LITHO BY P.N. BANERJEE.

PLATE VI.

CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

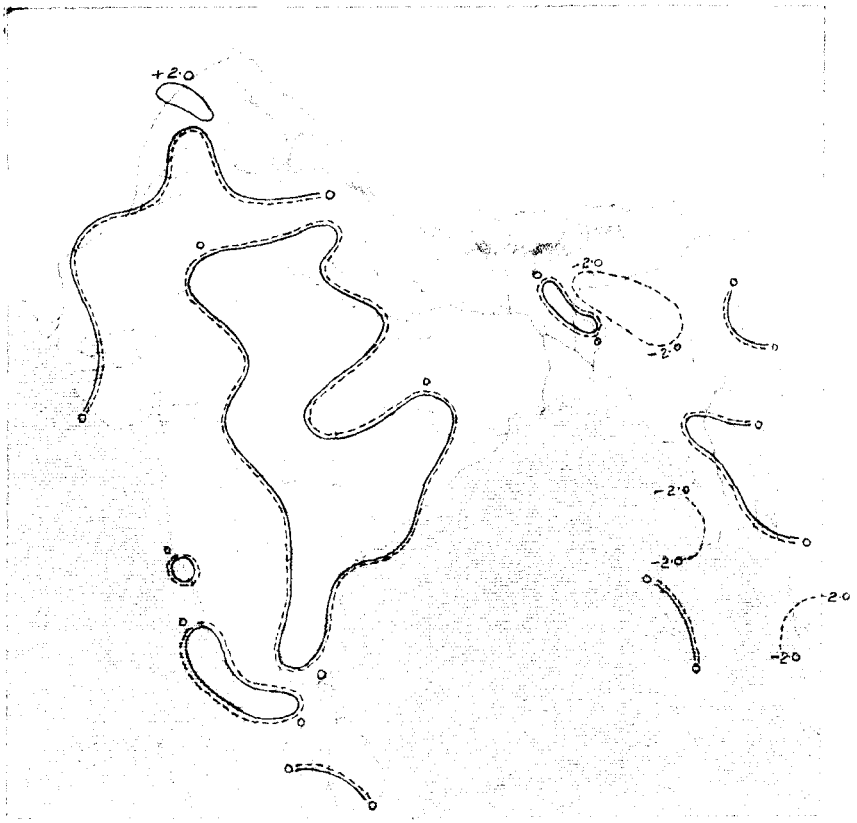
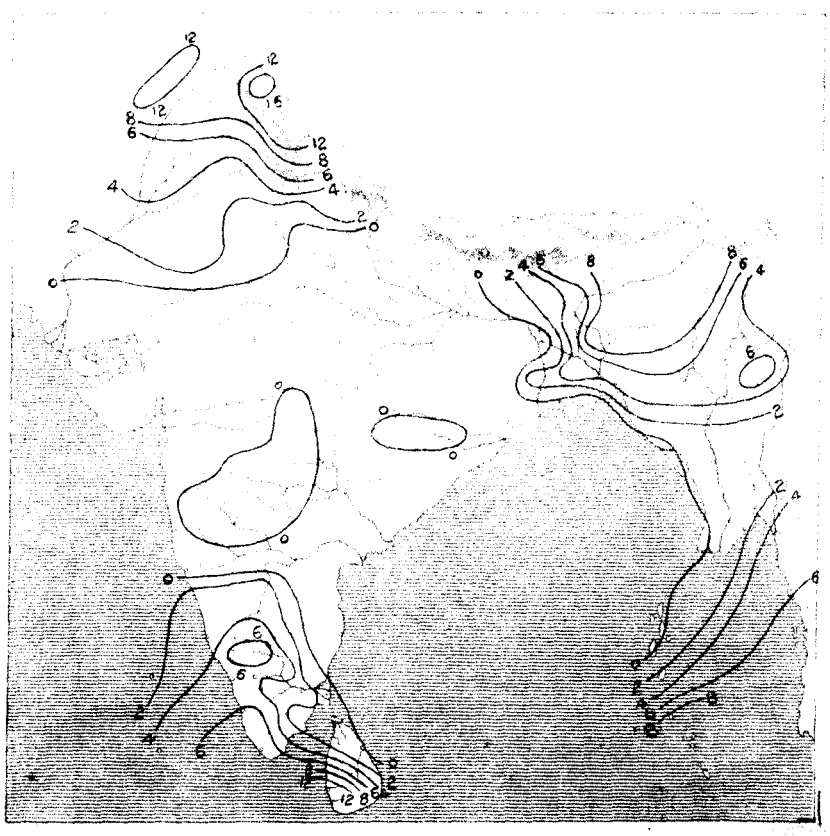
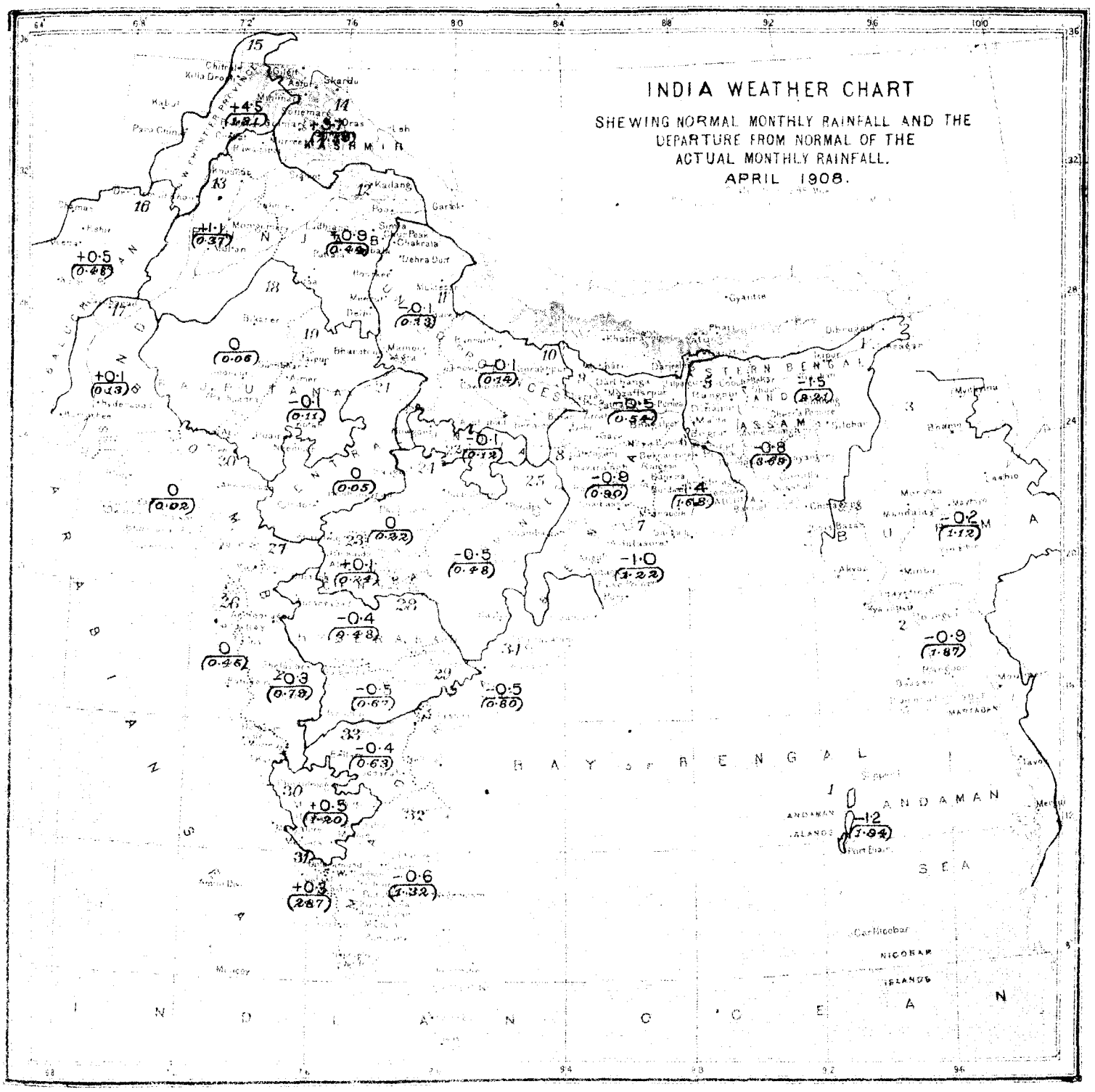


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)





LITHO BY P. C. BANERJEE.

The country is divided into 34 areas as shewn in the list below. The numbers in that list correspond with the red numbers on the chart, and serve to identify the areas. The numbers in brackets on the chart give the average over the divisions of the normal monthly rainfall; the numbers above these give the departures from normal of the average *actual* rainfall over the divisions.

1. Bay Islands
2. Lower Burma
3. Upper Burma
4. Assam
5. Eastern Bengal
6. Bengal
7. Orissa
8. Chota Nagpur
9. Bihar
10. United Provinces, East
11. Do., West
12. Punjab, East and North
13. Do., Southwest
14. Kashmir
15. Northwest Frontier Province
16. Baluchistan
17. Sind
18. Rajputana, West
19. Rajputana, East
20. Gujarat
21. Central India, West
22. Do., East
23. Berar
24. Central Provinces, West
25. Do., East
26. Konkan
27. Bombay, Deccan
28. Hyderabad, North
29. Do., South
30. Mysore
31. Malabar
32. Madras, Southeast
33. Madras, Deccan
34. Madras Coast, North

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, MAY, 1908.

INTRODUCTION.

THIS review of the weather in India for the month of May, 1908, is based on observations taken daily at 8 hrs. at 240 stations and on additional observations recorded at 10 hrs. and 16 hrs. at 36 stations. In the case of the rainfall section of the review there are utilized the data afforded by the meteorological observatories and such rainfall statements of the month as had been published in the Government Gazettes by the Provincial Governments prior to the date of the publication of the review. The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories.

For a statement of the methods adopted in recording and tabulating the data for each of the elements of observation, reference should be made to the introductory portion of the review for January.

Summary of the chief features of the weather in India during the month of May, 1908.

2. Thundershowers were fairly numerous throughout the month and rainfall was only slightly below the normal in Burma and north-east India excluding Orissa and Bihar where very little rain fell. In south India there was only one period of wet weather and that occurred during the first eight days when sufficient rain fell to give the normal quantity for the month in south-east Madras, the Madras Deccan and Mysore. Several disturbances from Persia entered upper India but there was only one of importance and it affected the weather from the 5th to the 13th when a considerable amount of rain fell in the west of the United Provinces, the Punjab and Kashmir. In all other parts of the country weather was drier than usual and on the Konkan coast where thundershowers are generally numerous there was almost no rain.

Temperature was lower than usual over north-west India and the west of the Peninsula, and at several stations the highest maximum was the lowest on record since 1885. Over the interior of the country the air was drier and cloud less than usual.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar Observations.*—The sun was observed on all the days of the month but on 7 days prominence observations were either partial or made in a poor sky.

Sunspots.—During the first ten days of the month there was a great display of solar activity and for that period the daily average of spot groups was 7·9, while for the whole month it was only 4·4. For the whole month there were 26 new groups. There was no actual return of any old group but there were several groups that formed where old ones had disappeared. The latitude distribution was as follows:—

	0°-10°	11°-20°	above 20°
North	6	3	-
South	8	6	3 (22°)

Eight of the new groups 1406, 1407, 1408, 1409, 1418, 1427, 1433, and 1434 were fairly large. 1418 came round the east limb as a regular spot, became gradually smaller, was broken up into a group of very small spots near the central meridian, on the 11th, and completely disappeared before reaching the west limb. 1427, 1433, and 1434 were associated with metallic prominences at the east limb. C was frequently reversed and D3 was dark near spots in the first half of the month.

Prominences.—There were 67 prominences recorded, one minute or more in height, and 6 metallic prominences. The tallest prominence of the month, 180″ high, was photographed in Ca in the north-east limb on the 9th. A prominence at latitude —13° east on the 30th was only 10″ high when first photographed at 8 h. but rapidly increased in height, as shown by successive photographs, till it was 45″ high at 9h. 12 m. Another prominence at latitude —10° to —15° west on the 13th underwent rapid changes in form but the height remained 70″ throughout. A series of large prominences was observed at the east limb from the 16th to the 20th. There was a similar series observed at the west limb between the 3rd and the 8th.

Magnetic disturbances.—There was a "moderate" magnetic disturbance from the 22nd to the 30th and "small" ones on the 1st, 2nd, 10th and 11th. Spot group 1408 developed into a train at the central meridian on the 2nd and group 1418 which had been breaking up for some days became a cluster of small spots on the central meridian on the 11th. There was nothing striking in the spot activity at the time of the "moderate" disturbance on the visible surface but a large spot group No. 1437 which appeared later was not far from the central meridian on the opposite side.

C. MICHIE SMITH,
Director,
Kodaikanal and Madras Observatories.

GOVERNMENT OBSERVATORY, BOMBAY.

Alibag magnetic record.

4. During the month of May the traces showed 9 calm days, 19 days of small and 3 days of moderate disturbance.

The days of the month selected as quiet are the 6th, 15th, 16th, 19th, and the 22nd.

The observed absolute values of the several magnetic elements reduced to the mean monthly tabulations of the magnetograms as also the ranges and the summed ranges of the Horizontal Force and Declination for the month are as follow:—

Easterly Declination	1° 2′ 32″
Horizontal Force	0·36860 C. G. S. unit.
Vertical Force	0·15908 „ „
Dip (calculated)	23° 20′·7
Dip (observed twice a week)	23° 20′·1
Horizontal Force Range	0·00046 C. G. S. unit.
Horizontal Force Summed Range	0·00310 „ „
Declination Range	4′·81
Declination Summed Range	19′·65

[Note.—Summed range means sum without regard to signs of 24 ordinates of diurnal inequality.]

The following table represents the magnetic character of each day in the month.

Day.	Character.	Day.	Character.	Day.	Character.	Day.	Character.
1	S	9	C	17	S	25	S
2	M	10	S	18	C	26	M
3	S	11	S	19	C	27	S
4	S	12	S	20	C	28	M
5	S	13	S	21	S	29	S
6	C	14	S	22	C	30	S
7	C	15	C	23	S	31	S
8	S	16	C	24	S		

The Magnitudes of the disturbances are determined from Horizontal Force traces.
C=calm; S=small; M=moderate; G=great; V. G.=very great.
Days are reckoned from midnight to midnight.

Seismic Disturbances recorded at Bombay.

Four seismic disturbances were recorded during the month, two on the 5th, one on the 15th and one on the 20th.

List of Seismic disturbances.

Date.	Commencement.	Maximum.	End.	Maximum displacement from mean position.	Duration.
	H. M.	H. M.	H. M.	mm.	H. M.
5th May 1908	6 33·0	6 58·0	7 43·4	2·3	1 10·4
5th „ „	11 24·9	11 27·9	12 0·6	1·5	0 35·7
15th „ „	9 20·1	9 34·6	10 18·8	2·4	0 58·7
20th „ „	7 59·2	8 15·7	8 36·5	0·4	0 37·3

(NOTE.—All times given above denote G. M. T.)

N. A. F. MOOS,
Director,
Bombay and Alibag Observatories.

CALCUTTA OBSERVATORY.

5. List of displacements recorded by the Milne Seismograph at the Alipore Observatory during May, 1908.

Date 1908.	P. T. Commencement. G. M. T.	L. W. Commencement. G. M. T.	Maximum. G. M. T.	End. G. M. T.	Duration.	Maximum displacement on trace from mean position.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
May 5th	6 5·9	6 31·3	6 50·6	8 7·9	2 2·0	4·50	Sensibility 1 mm. = 0.″38 of tilt.
„ Do.	11 26·6	11 31·7	11 34·2	12 29·4	1 2·8	2·00	
„ 15th	8 52·7	—	9 28·2	9 49·5	0 56·8	1·00	
„ 20th	7 40·8	8 7·7	8 8·7	8 34·2	0 53·4	2·25	

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. List of earthquakes recorded by the Omori-Ewing Seismograph, magnification was 20 during the whole month.

Date.	Commencement of 1st P. T. G. M. T.	Commencement of 2nd P. T. G. M. T.	Beginning of L. W. G. M. T.	Time of maximum displacement. G.M.T.	End approximately. G.M.T.	Duration.	Maximum displacement of style.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
4th	19 8	...	...	...	19 14	0 6	...	Tremor.
5th	6 27·1	6 34·7	...	6 51·3	7 8	0 41	1	Distant.
5th	11 27·7	...	...	11 36·7	11 50	0 22.3	1	Do.
7th	23 56·4	...	...	23 56·7	23 58·9	0 2·5	3	Local.
15th	9 19·2	...	...	9 26·6	9 34·0	0 14·8	1	Distant.
28th	7 34	...	...	...	8 20	0 46	...	Tremor.

Two sharp successive shocks of earthquake occurred at Kani (Monywa District) on the morning of the 12th.

Solar radiation.—The following figures give the intensity of solar radiation, as measured at Simla by Angstroms pyrheliometer. The values are corrected to local noon, and expressed in grammecalories per square centimetre per minute.

Maximum	1·43
Minimum	1·20
Mean	1·33
Number of days of observation	12

J. PATTERSON,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. Solar observations.—Observations were taken from 3rd to 9th, 11th to 15th, 18th to 23rd except 21st, and from 27th to 29th, sunspots, singly and in groups being seen on each day of observation. They were numerous from the 6th to 14th, and faculæ were visible on each day of observation.

Magnetic Disturbances.

Day.	Time.	Disturbance.
1 to 3	8 h. to 2 h.	Frequent small fluctuations in H. F. with waves 1st 19½ h. to 20½ h. (+ 12); 2nd 3½ h. to 4½ h. (+ 20) and 15 h. to 18 h. (—35). Occasional small fluctuations in Dec.
4	½ h. to 1½ h.	Wave in H. F. (+11) ; in Dec. (+14).
8	16 h. to 18 h.	Wave in H. F. (—15).
10 to 11	23 h. to 1½ h.	Wave in H. F. (+22).
11	6½ h. to 9 h.	Wave in H. F. (+22) ; in Dec. (—30).
13	9½ h. to 11 h.	Wave in H. F. (—16).
14	3 h. to 6 h.	Double wave in H. F. (—10 to +11) ; 4 h. to 6 h. wave in Dec. (—30).
17	11 h. to 20 h.	Wave in H. F. (—40).
23		Abnormal diurnal variation in H. F. and Dec.
24	1 h. to 15 h.	Occasional undulations in H. F.
24	20 h. to 21 h.	Wave in H. F. (+22) ; in Dec. (+31).
25 and 26		Abnormal diurnal variation in H. F. and Dec. with frequent small undulations.
27 to 28	11 h. to 23 h.	Frequent small fluctuations in H. F.
29	15 h. to 17 h.	Wave in H. F (—25) ; 21½ h. to 22½ h. wave in H. F. (+10).
30	10 h. to 14 h.	Double wave in H. F. (+16 to —22).

T. F. CLAXTON,
Director.

Weather in the Indian monsoon region.

8. Pressure was in marked excess at Zanzibar and in slight excess at Mauritius and Seychelles. The air movement differed but little from the average type. Rainfall was normal at the Seychelles, in considerable excess at Zanzibar and less than usual at Mauritius.

The general conditions in the Indian Ocean as represented by these three stations were thus on the whole not unfavourable for monsoon rains.

	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	+·018	+·039	+·013
Actual mean wind direction	S 63° E	S 6° W	S 41° E
Normal mean wind direction	S 65° E	S 5° E	S 43° E
Actual mean wind velocity (miles per diem)	227	218	160
Normal mean wind velocity (miles per diem)	246	194	165
Rainfall departure from normal	—2·24	+3·56	+0·04

Depressions and cyclonic storms.

9. Several depressions from Persia affected north-west India during the month and a feeble storm developed in the Andaman Sea.

A disturbance appeared over Persia on the 3rd when light rain fell at Meshed and on the 4th pressure gave way rapidly over north Persia, while at the same time skies were clouding over in Kashmir and rain had fallen at a few stations. By the morning of the 5th the disturbance had passed out of Kashmir after giving light local precipitation in the extreme north of India.

On the 9th the usual hot weather depression in north-west India was intensified by a wave of low pressure from

the west and initiated a period of disturbed weather which lasted until the 13th. During this period the depression caused numerous duststorms in Rajputana and upper India, and rain over a large part of these areas, especially in the north-west of the United Provinces and the east Punjab.

An extensive disturbance appeared over west Persia on the 12th and caused rain over Persia and in parts of Baluchistan up to the 16th on which date it was entering north-west India; like its predecessor it intensified the heat depression over Sind and moved into the Punjab hills, causing precipitation in the extreme north of India.

The next depression to affect upper India appeared over Persia on the 23rd and light rain fell at Meshed during the next three days; the depression entered the North-West Frontier Province on the 24th and disappeared in the Simla hills on the 27th, after giving light to moderate precipitation in Kashmir, but it was very closely followed by another which was indicated in north Persia on the 27th and was shown in the North-West Frontier Province next day. This depression did not produce much precipitation and also disappeared in the Simla hills on the 30th.

A feeble temporary advance of monsoon winds into the south-east of the Bay occurred during the second week and gave rise to a shallow depression in the Andaman Sea; it gave a moderately heavy burst of rain in Tenasserim and the Andaman Islands, and on the 10th crossed the coast near Moulmein after which all trace of it disappeared.

Pressure.

10. The pressure distribution was characteristic of the month and on the mean of the whole country it was only ·013″ in excess; the excess was most marked along the west coast, in Gujarat and the south of Eastern Bengal, while the only area where pressure was in defect was the south-eastern districts of the United Provinces and adjacent districts to the east and south, thus producing a local intensification in the trough of low pressure, which was favourable for thundershowers in north-east India. Pressure decreased upwards at the normal rate and at all the hill stations the departures from normal were in close agreement with those at the corresponding plain stations.

The usual tables giving the departures from normal of pressure for the 14 divisions and the vertical pressure gradients between a number of associated plain and hill stations are attached.

Division.	Departure from normal of mean 8 hrs. pressure.
	″
Burma	+·001
Eastern Bengal and Assam	+·016
Bengal	+·009
United Provinces	+·003
Punjab	+·009
North-West Frontier Province	+·013
Sind	+·018
Rajputana	+·017
Bombay	+·028
Central India	+·005
Central Provinces	+·013
Hyderabad	+·016
Mysore	+·018
Madras	+·015

Hill Station.	Departure from normal pressure. A	Plain Station.	Departure from normal pressure. B	Departure of pressure difference. B—A.
	″		″	″
Quetta	+·018	Jacobabad	+·018	0
Leh	0	Lahore	—·001	—·001
Murree	—·001	Peshawar	+·009	+·010
Simla	+·010	Ludhiana	+·002	—·008
Chakrata	+·013	Roorkee	+·008	—·005
Darjeeling	+·012	Dhubri	+·001	—·011
Mount Abu	+·010	Deesa	+·027	+·017
Pachmarhi	+·021	Khandwa	+·019	—·002

Temperature.

11. The most noteworthy feature of the temperature conditions during the month occurred in north-west India and on the west coast where temperatures both by day and by night were not as high as usual although rainfall was in large defect. This deficiency in temperature was due in upper India at least to the disturbed conditions in Kashmir and the late snowfall. The highest maximum temperatures recorded at many stations were lower than they have been for many years; at Jacobabad the highest was 117·1° being the lowest since 1885, and at Jodhpur, Pachpadra and Jamnagar they were the lowest since the observatories were established. In north Bihar and the east of the United Provinces maximum temperature was in excess by from 2° to 4°, but in the rest of the country the maximum was normal. The minimum was slightly higher than usual in the central parts of the country, the east of the United Provinces and Bihar.

Sub-division.	Actual temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	88·1	77·9	83·0	10·2	20·4	−2·3	−1·5	−0·8
2. Lower Burma	90·3	76·7	83·5	13·6	24·7	−0·4	+0·1	−0·5
3. Upper do.	96·1	76·0	86·0	20·1	36·2	−0·2	+0·4	−0·6
4. Assam	87·0	72·1	79·6	14·9	27·7	+0·5	−0·1	+0·6
5. Eastern Bengal	91·4	74·7	83·1	16·7	31·4	+0·6	0	+0·6
6. Bengal	98·2	77·8	88·0	20·5	37·7	+0·4	−0·3	+0·7
7. Orissa	98·6	80·7	89·7	17·9	33·2	+0·2	+0·8	−0·6
8. Chota Nagpur	103·4	77·6	90·5	25·9	40·9	+0·7	−0·3	+1·0
9. Bihar	101·8	77·6	89·7	24·2	41·9	+1·7	+0·9	+0·8
10. United Provinces, East	107·1	79·8	93·5	27·3	41·5	+2·5	+1·1	+1·4
11. Do., West	104·3	77·1	90·6	27·2	43·1	+1·0	+0·2	+0·8
12. Punjab, East and North	103·5	75·4	89·4	28·1	48·6	−0·3	+0·6	−0·9
13. Do., South-west	105·2	76·5	90·9	28·7	53·7	−1·4	−1·2	−0·2
14. Kashmir	66·5	43·8	55·1	22·7	41·3	−4·4	−2·1	−2·3
15. North-West Frontier Province	99·6	71·1	85·4	28·5	48·8	−1·9	−1·4	−0·5
16. Baluchistan	88·9	59·8	74·4	29·1	47·2	−3·3	−3·5	+0·2
17. Sind	104·3	77·0	90·7	27·3	41·7	+0·5	−1·5	+2·0
18. Rajputana, West	106·3	79·4	93·0	26·9	38·7	−0·5	−0·7	+0·2
19. Do., East	105·3	80·9	93·1	24·3	37·1	−0·1	−0·4	+0·3
20. Gujarat	97·6	77·0	87·3	20·6	29·2	−1·8	−0·9	−0·9
21. Central India, West	102·6	76·9	89·8	25·7	36·2	−0·9	+0·4	−1·3
22. Do., East	108·1	81·5	94·8	26·7	40·9	+1·7	+1·9	−0·2
23. Berar	106·1	79·5	92·8	26·6	35·3	+0·7	+0·2	+0·5
24. Central Provinces, West	107·3	81·1	94·2	26·2	37·9	+0·4	+1·0	−0·6
25. Do., East	107·5	80·1	93·8	27·5	39·5	+1·0	+1·3	−0·3
26. Konkan	89·2	80·3	84·8	8·8	12·9	−0·6	−0·2	−0·4
27. Bombay Deccan	101·3	72·1	86·7	29·2	39·8	+1·2	−1·0	+2·2
28. Hyderabad, North	104·4	78·6	91·5	25·8	36·3	...	...	...
29. Do., South	105·4	80·5	93·0	25·0	35·5	+1·0	+0·7	+0·3
30. Mysore	91·4	68·8	80·1	22·7	33·1	+0·3	−0·3	+0·6
31. Malabar	88·1	78·1	83·1	10·0	17·6	−1·1	−0·2	−0·9
32. Madras, South-east	98·0	78·3	88·3	19·7	30·0	+0·4	+0·1	+0·3
33. Do., Deccan	104·8	80·3	92·6	24·5	39·6	+0·3	−0·4	+0·7
34. Do. Coast, North	97·5	81·8	89·7	15·7	31·4	−0·3	+0·3	−0·5

Division.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Burma	−0·3	+0·2	0
Eastern Bengal and Assam	+0·6	0	+0·3
Bengal	+0·8	+0·3	+0·5
United Provinces	+1·7	+0·7	+1·2
Punjab	−0·6	0	−0·3
North-West Frontier Province	−1·9	−1·4	−1·6
Sind	+0·5	−1·5	−0·5

Division.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Rajputana	−0·3	−0·5	−0·4
Bombay	−0·4	−0·8	−0·6
Central India	+0·4	+1·1	+0·8
Central Provinces	+0·6	+0·8	+0·7
Hyderabad	+1·0	+0·7	+0·9
Mysore	+0·3	−0·3	−0·1
Madras	−0·1	0	0

Winds.

12. Winds were practically normal in directions during the month but in Burma, the United Provinces, the North-West Frontier Province and especially Sind the air movement was less than the average, and in the Central Provinces and Mysore it was above it. Winds showed a greater steadiness than usual over almost the whole country and this feature was most conspicuous in the Punjab, the North-West Frontier Province, Sind, Central India and the Central Provinces.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	−0·9	+ 4
Eastern Bengal and Assam	−0·4	+ 6
Bengal	+0·2	+ 2
United Provinces	−1·0	+ 3

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Punjab	0	+12
North-West Frontier Province	−0·9	+ 4
Sind	−2·9	+12
Rajputana	+0·5	− 6
Bombay	−0·1	+ 5
Central India	0	+14
Central Provinces	+1·1	+11
Hyderabad	0	+ 6
Mysore	+1·4	− 2
Madras	+0·8	+ 8

Humidity and cloud.

13. In the interior of the country where the air is normally exceedingly dry during May, this condition was even more pronounced than usual both as regards the relative and absolute amount of moisture, but in the coast regions humidity and vapour pressure were normal. In keeping with the general dryness of the month the proportion of sky covered with cloud was much less than usual over almost the whole country, the only exceptions being Central India where there was nearly twice the average amount of cloud, Hyderabad, Madras and Burma where the cloud proportion was normal.

Division.	Hygrometry; 8 hrs.				Cloud.	
	Mean humidity.	Departure from normal.	Mean vapour-tension in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.
	%		"	"		
Burma	80	— 1	·845	—·011	5·5	—0·5
Eastern Bengal and Assam.	83	— 1	·836	—·013	4·9	—1·1
Bengal	66	— 1	·783	—·025	3·3	—0·5
United Provinces	41	— 5	·531	—·057	1·1	—0·5
Punjab	35	— 6	·426	—·120	1·0	—0·7
North-West Frontier Province.	40	— 6	·448	—·098	1·1	—0·4

Division.	Hygrometry; 8 hrs.				Cloud.	
	Mean humidity.	Departure from normal.	Mean vapour-tension in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.
	%		"	"		
Sind	60	+ 2	·745	+·016	1·2	—0·6
Rajputana	40	— 6	·517	—·088	0·5	—0·9
Bombay	64	— 2	·723	—·026	2·5	—0·6
Central India	43	+ 2	·561	+·017	1·9	+0·8
Central Provinces	33	— 4	·457	—·067	1·5	—0·4
Hyderabad	44	— 7	·550	—·085	2·4	+0·2
Mysore	75	+ 2	·650	—·009	4·4	—0·9
Madras	69	— 1	·829	—·017	4·2	—0·3

Rainfall.

14. The trough of low pressure was well developed over the Gangetic plain throughout the month and owing to its position thundershowers occurred almost daily in some parts of Eastern Bengal and Assam and Bengal, and on several days in Chota Nagpur also, but in Orissa and Bihar weather was generally dry and very little rain fell. There was thus a large deficiency in the last two areas and in the others nearly the normal quantity was received.

Almost all the rain that fell during the month in the west of the United Provinces, the Punjab and Kashmir occurred during the period of disturbed weather in upper India which lasted from the 8th to the 13th and was nearly equal to the monthly normal. The North-West Frontier Province, however, received very little rain during this period and as a result the total fall for the month was only about a third of the normal.

In south India weather was disturbed during the first eight days of the month and thundershowers were numerous, and in the south-east of Madras, the Madras Deccan and Mysore the rainfall was sufficient to give the normal monthly amount, but during the rest of the month the weather was dry and on the Malabar coast where thundershowers are usually numerous rainfall was in large defect. On the Konkan coast there was an almost entire absence of thundershowers and only a quarter of an inch of rain was received instead of the usual inch and a half.

In Burma rainfall though in slight defect, occurred throughout the month, but in all other parts of the country rainfall was much less than usual.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			Inches	Inches.	Inches.	
1. Bay Islands	17·0	16·1	15·04	13·34	+1·70	+ 13
2. Lower Burma	12·1	13·6	10·13	12·68	—2·55	— 20
3. Upper do.	7·3	8·2	4·67	5·88	—1·21	— 21
4. Assam	14·0	14·8	12·17	13·34	—1·17	— 9
5 Eastern Bengal	9·6	10·5	9·19	9·83	—0·64	— 7
6. Bengal	6·8	6·7	4·05	4·91	—0·86	— 18
7. Orissa	4·0	4·9	1·93	3·46	—1·53	— 44
8. Chota Nagpur	4·4	3·8	1·86	2·30	—0·44	— 19
9. Bihar	2·4	3·1	1·33	2·22	—0·89	— 40

SUB-DIVISION.	NUMBER OF RAINY DAYS.		RAINFALL.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			Inches.	Inches.	Inches.	
10. United Provinces, East	0·4	1·3	0·18	0·67	—0·49	— 73
11. Do. do., West	1·1	1·4	0·60	0·60	0	0
12. Punjab, East and North	1·3	1·5	0·52	0·65	-0·13	— 20
13. Do., South-west	1·0	0·9	0·45	0·42	+0·03	+ 7
14. Kashmir	4·3	3·7	1·67	1·72	—0·05	— 3
15. North-West Frontier Province	1·2	1·6	0·28	0·72	—0·44	— 61
16. Baluchistan	0·1	0·5	0·03	0·18	-0·15	— 83
17. Sind	0	0·3	0·01	0·10	—0·09	— 90
18. Rajputana, West	0·6	0·7	0·22	0·31	—0·09	— 29
19. Do., East	0·7	1·1	0·31	0·44	—0·13	— 30
20. Gujarat	0	0·4	0	0·23	—0·23	—100
21. Central India, West	0·2	0·6	0·04	0·27	—0·23	— 85
22. Do. East	0·9	0·9	0·28	0·37	—0·09	— 24
23. Berar	0·2	0·9	0·04	0·42	—0·38	— 90
24. Central Provinces, West	0·1	0·9	0·03	0·39	—0·36	— 92
25. Do. do., East	0·6	1·4	0·18	0·72	—0·54	— 75
26. Konkan	0·4	1·8	0·25	1·47	—1·22	— 83
27. Bombay Deccan	1·0	2·4	0·49	1·33	—0·84	— 63
28. Hyderabad, North	0·3	1·5	0·13	0·68	—0·55	— 81
29. Do., South	0·5	1·9	0·10	0·99	—0·89	— 90
30. Mysore	5·0	5·7	3·67	3·67	0	0
31. Malabar	5·3	8·2	3·94	7·11	-3·17	— 45
32. Madras, South-east	3·9	3·8	2·41	2·79	—0·38	— 14
33. Do. Deccan	2·4	3·0	1·47	1·72	—0·25	— 15
34. Do. Coast, North	2·8	3·2	1·56	2·20	-0·64	— 29

DIVISION.	RAINFALL.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	7·12	8·94	—1·82	—20
Eastern Bengal and Assam	10·71	11·62	—0·91	— 8
Bengal	2·53	3·44	—0·91	—26
United Provinces	0·38	0·64	—0·26	—41
Punjab	0·50	0·60	—0·10	—17
North-West Frontier Province	0·28	0·72	—0·44	—61
Sind	0·01	0·10	—0·09	—90

DIVISION.	RAINFALL.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Rajputana	0·29	0·41	—0·12	—29
Bombay	0·29	1·00	—0·71	—71
Central India	0·13	0·30	—0·17	—57
Central Provinces	0·07	0·48	—0·41	—85
Hyderabad	0·12	0·85	—0·73	—86
Mysore	3·67	3·67	0	0
Madras	2·17	2·86	—0·69	—24
Mean of India when the size of the above areas is taken into account.	2·23	2·86	—0·63	—22

Snowfall.

I.—AFGHANISTAN.

15. There was a heavy fall of snow in the north-west of Afghanistan during the fourth week of the month.

II.—NORTH-WEST FRONTIER PROVINCE.

According to the available information there were some light falls on the highest peaks of the Sufed Koh. At the close of the month the accumulated snow measured about 8 feet in depth on the mountains to the east of Drosh and about 2 feet on the ranges to the west of Chitral. On the Lowari Pass and the ranges to the north of Chitral the accumulations were regarded as very deep.

III.—KASHMIR.

Snowstorms were of occasional occurrence on the higher ranges.

IV.—PUNJAB.

(*a*) *Chamba.*—Frequent falls occurred during the first 18 days in the Pangi valley on levels above 10,000 feet. On the Barmaur, Bhandal, Tisa and Kalatop ranges weather was quiet except for one or two light snowfalls at the beginning of the month.

(*b*) *Kulu.*—Snowstorms occurred on the 10th and 11th down to 8,000 feet. The fall was heavy on the summits of the mountain ranges. At the end of the month the depth of snow on the Rohtang and Hamta passes was measured at 7 to 8 feet. There was a good fall also in Spiti. The snow accumulations on the passes were in the opinion of the Assistant Commissioner normal in amount.

(*c*) *Kilba.*—Snow fell on five days on the neighbouring hills. The snow line descended to about 9,500 feet on the 9th. The aggregate fall measured 8 inches in depth at a level of about 10,000 feet.

Pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Brua Pass	3 feet	9 feet.
Shatul „	3 „	5½ „
Rupin „	*nil*	8½ „
Harang „	*nil*	2½ „
Buldar „	*nil*	11 „
Runang „	*nil*	4½ „

V.—UNITED PROVINCES.

(*a*) *Garhwal.*—Weather was disturbed throughout the district during the first fortnight and snow fell on the 5th and from the 9th to 13th. The storm of the 9th was severe and gave snow down to 10,000 feet.

(*b*) *Almora.*—There were frequent snowstorms during the first fortnight of the month. The total amount was estimated at 10 feet in Malla Byans, 9 feet in Malla Darma, 3½ feet in Malla Johar, 3 feet in Chaudas and 1 foot in Malla Danpur. The snowstorms extended down to the inhabited area. The fall in Byans and Darma was unusually heavy for May: it was however confined to a comparatively small area. According to the statement of a visitor the accumulation of snow at the Pindari Glacier was unusually small for the time of year.

SUMMARY.

16. (*a*) Heavy snow fell in the north-west of Afghanistan in the fourth week of the month.

(*b*) There was little or no snowfall in the North-West Frontier Province. The accumulations were unusually great on some of the ranges in Chitral.

(*c*) There were occasional falls of snow in the western Himalayas; heavy snow is reported to have fallen in some parts of this region during the second week, down to unusually low levels. The depth of accumulated snow on the higher peaks and passes at the end of the month was however not above the average.

Crop report.

17. *Burma.*—Cultivation of ground nuts, sesamum and cotton and the reaping of spring rice were in progress. The condition of the standing crops was on the whole fair.

Eastern Bengal and Assam.—Prospects of all crops had improved in most districts but more rain was wanted in parts of the Province. Spring rice was being harvested and the weeding of jute and summer rice and the sowing of winter rice were in progress.

Bengal.—Preparation of lands for autumn crops and sowing of jute and some autumn crops were being carried on, but more rain was needed for sowings. Prospects were fair of the sugarcane crops and of vegetables.

United Provinces.—Autumn sowings were well advanced in the hills, and germination was good but more rain was wanted in the plains. Extra crops were being harvested in a number of districts.

Punjab.—Harvesting of spring crops was nearly finished and sowings of autumn crops were being made. The condition of extra spring crops was good to below average. Crops were withering in parts owing to deficient canal water supply.

North-West Frontier Province.—Harvesting of spring crops was being carried on with nearly average outturn, and sowings of autumn crops were in progress. The

water supply was sufficient and the condition of standing crops was average.

Jammu and Kashmir.—The condition of standing crops was fair in irrigated and poor in other tracts and fodder was insufficient nearly all over Jammu.

Rajputana.—The condition of cattle was good but fodder was somewhat deficient in Tonk. Preparations were being made for autumn sowings.

Central India.—Lands were being prepared for autumn sowings. Fodder was scarce in parts but the agricultural stock was fair to good.

Central Provinces.—The construction of field embankments and preparation of land for sowings of the next autumn crops were well advanced. Fodder was dear and scarce in several districts.

Bombay.—Standing crops were generally in good condition. The threshing of spring crops, cotton picking and the preparation of lands for next season were in progress.

Hyderabad.—The late rice harvest was nearly completed and lands were being prepared for monsoon sowings.

Mysore.—Standing crops were in good condition and prospects of the season were good but more rain was needed in parts.

Coorg.—Water and fodder for cattle were sufficient.

Madras.—Irrigation supplies were insufficient in parts of most districts. Standing crops were generally fair but some were withering, and harvesting was being carried on with poor to normal outturn.

J. PATTERSON.

TABLE A.—Abstract of observations taken at 10 hrs. and 16 hrs., at 36 stations in India, etc., in May, 1908.

Tabl

Abstract of observations taken at 10 hrs. and 16 hrs., at 3

Number of sub-division.	Station.	Elevation of barometer above sea-level, in feet.	Pressure.						Temperature of Air.										Temperature, wet-bulb			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to sea-level and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	I.—Burma.																					
2	Rangoon	36	29·814	29·694	·120	29·758	−·002	29·731	89·0	77·2	11·8	95·8	74·0	21·8	84·7	84·2	80·7	− 1·5	75·2	78·2	77·8	77·1
	III.—Bengal.																					
6	Calcutta	21	·727	·608	·119	·670	+·009	·636	95·6	77·5	18·1	101·1	69·3	31·8	89·8	93·0	86·3	+ 0·6	73·2	79·2	79·2	77·2
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad	309	·352	·227	·125	·287	—·027	·532	109·4	81·8	27·6	114·9	75·8	39·1	99·9	107·6	94·8	+ 2·3	65·9	71·7	70·5	69·4
11	Dehra Dun	2,233	27·500	27·403	·097	27·446	—·015	·565	98·0	70·7	27·3	106·5	62·4	44·1	89·1	94·7	80·2	− 1·4	57·8	65·1	65·6	62·8
	V.—Punjab.																					
12	Lahore	702	28·954	28·864	·090	28·903	—·002	·546	105·4	74·4	31·0	114·4	64·4	50·0	96·3	103·7	89·6	+ 0·7	62·8	70·1	72·0	68·3
	VIII.—Rajputana.																					
19	Jaipur	1,431	·307	·202	·105	·249	+·005	·585	106·3	78·3	28·0	112·2	67·4	44·8	96·2	103·5	91·5	− 0·1	62·7	70·0	69·5	67·4
	Udaipur	1,925	27·867	27·774	·093	27·820		·627	102·2	78·1	24·1	106·6	73·5	33·1	94·5	99·6	89·8		68·0	73·1	74·9	72·0
	IX.—Bombay.																					
26	Bombay	37	29·859	29·765	·099	29·811	+·037	·787	90·5	80·3	10·2	92·0	78·6	13·4	86·3	87·5	84·3	− 0·3	75·8	77·8	78·5	77·4
	XI.—Central Provinces.																					
24	Nagpur	1,017	28·724	28·583	·141	28·656	+·010	·587	109·7	84·2	25·4	113·7	77·1	36·6	100·1	106·7	95·9	+ 1·4	64·0	70·3	70·9	68·4
	XII.—Hyderabad.																					
29	Hyderabad	1,690	·029	27·991	·131	·058	+·007	·627	104·9	81·9	23·0	109·3	74·8	34·5	95·1	102·7	92·3	+ 2·2	65·2	70·3	71·1	68·9
	XIII.—Mysore.																					
30	Bangalore	3,021	26·916	26·792	·124	26·841	+·018	·719	91·0	68·4	22·6	97·0	62·8	34·2	80·6	89·3	78·1	− 0·4	65·7	71·1	70·7	69·2
	Mysore	2,518	27·413	27·289	·124	27·358	+·017	·759	90·4	68·8	21·6	95·4	66·0	29·4	80·2	88·2	77·9	− 1·3	66·5	70·5	71·0	69·3
	XIV.—Madras.																					
32	Periyakulam	944	28·914	28·790	·124	28·852		·718	96·3	72·7	23·6	101·3	69·2	32·1	87·1	89·9	84·5		68·8	73·7	74·3	72·3
	Pudukkottai	318	29·533	29·395	·138	29·464		·706	101·7	80·0	21·7	106·0	71·0	35·0	91·1	97·8	90·9		74·0	76·5	77·5	76·0
	Madras	22	·781	·669	·112	·733	0	·686	100·6	81·7	18·9	109·8	78·0	31·6	95·0	91·3	90·1	+ 1·4	77·1	80·3	81·1	79·5
	Station in the Bay.																					
1	Port Blair	61	·812	·719	093	·766	+·004	·753	86·5	77·0	9·5	93·4	72·8	20·6	83·0	83·8	80·6	− 2·0	74·5	77·8	78·1	76·8
	Kashmir.																					
14	Srinagar	5,204	24·858	24·794	·064	24·828	+·014	24·800	74·2	51·7	22·5	84·2	46·0	38·2	64·1	71·5	62·4	− 1·5	48·3	59·6	65·2	57·7
	Leh	11,503	19·717	19·643	·074	19·687	—·007	19·655	61·2	35·7	26·1	72·6	29·6	43·0	53·6	57·7	48·2	− 1·6	31·0	40·2	40·8	37·3
	Baluchistan.																					
16	Quetta	5,502	24·611	24·545	·06	24·569	+·015	24·529	82·9	49·9	33·0	91·6	41·7	49·9	76·4	80·9	66·6	− 1·4	43·6	53·0	54·5	50·4

N.B.—Elevations in italics indicate barometric determinations.

NOTE.—The barometric readings are not reduced to sea-level in the cases

A.

stations in India, etc., in May, 1908.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.											Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of sub-division.
														Total number of 10 hrs. and 16 hrs. winds from																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%					I.—Burma.	
·850	·885	·874	·884	—·006	91	75	75	85	+ 2	7·3	8·5	7·9	+0·8	1	4	2	2	3	30	14	6		S 16° W	S 21° W	61	59	38*	110	13·71	3·19	Rangoon	2
																															III.—Bengal.	
·767	·861	·818	·825	—·058	81	62	54	69	— 6	4·3	4·1	4·2	−0·1	1		2	3	12	12	29	1	2	S 15° W	S 9° W	64	67	188	168	4·64	1·03	Calcutta	6
																															IV.—United Provinces of Agra and Oudh.	
·429	·405	·253	·375	—·146	40	22	11	26	−13	0·8	1·6	1·2	−0·4	3	8	6	8			5	15	17	N 41° W	N 6° W	45	24	109*	163	0	0	Allahabad	10
·324	·323	·269	·308	—·095	44	24	17	30	−11	0·7	2·2	1·5	−1·2	6	2	4	13	15	9	5	4	2	S 46° E	S 79° W	39	24	49	53	1·00	0·96	Dehra Dun†	11
																															V.—Punjab.	
·420	·385	·362	·400	—·054	50	23	18	31	— 5	0·7	1·4	1·1	−1·1	4	7	7	5	4	8	4	9	14	N 67° W	N 12° E	19	18	81*	77	0·06	0·04	Lahore	12
																															VIII.—Rajputana.	
·380	·405	·296	·367	—·081	39	24	15	28	— 7	0·6	2·3	1·5	−0·8	1	1	2	2	2	2	4	24	24	N 71° W	N 72° W	66	48	167	151	0·41	0·38	Jaipur	19
·564	·563	·569	·571		59	35	30	41		0·1	1·8	1·0			1	2		2	3	18	32	4	S 75° W		74		198*		0·16	0·15	Udaipur	
																															IX.—Bombay.	
·830	·845	·856	·857	—·032	80	67	66	74	— 2	2·3	2·7	2·5	−0·1					1	2	12	35	12	S 87° W	N 83° W	81	71	199	242	0	0	Bombay	26
																															XI.—Central Provinces.	
·347	·375	·313	·332	—·099	30	20	14	21	— 7	1·5	4·2	2·9	−0·9		15	4	3	3	4	7	17	9	N 57° W	N 48° W	39	41	151*	192	0·07	0·03	Nagpur	24
																															XII.—Hyderabad.	
·422	·432	·365	·412	—·154	39	27	18	29	−13	2·8	4·6	3·7	+0·5	14		1	1	1			14	31	N 57° W	N 64° W	64	43	130*	154	0	0	Hyderabad.	29
																															XIII.—Mysore.	
·602	·652	·538	·611	+·006	87	63	40	65	+ 2	2·9	3·4	3·2		2	3	4	1		1	7	25	19	N 71° W	S 81° W	68	66	190*	151	7·20	2·62	Bangalore	30
·625	·628	·548	·613	—·012	89	61	42	66	+ 1	4·3	5·2	4·8	−1·3		3	2	3	2	1	17	27	7	S 82° W	S 84° W	61	60	217*	245	8·68	3·21	Mysore	
																															XIV.—Madras.	
·656	·653	·632	·651		81	51	48	59		1·6	5·6	3·6		12	14	2		2	22	2	6	2	S 37° W		16		64*		3·18	1·02	Periyakulam	32
·761	·719	·674	·718		75	50	39	61		5·2	5·7	5·5		2	1			5	12	14	13	15	S 66° W		53		238*		1·17	0·94	Pudukkottai	
·873	·840	·923	·803	—·003	81	52	64	67	− 3	3·4	3·8	3·6	−0·1		2	1	1	28	7	9	11	3	S 4° E	S 9° E	46	66	179	218	0·07	0·07	Madras	
																															Station in the Bay.	
·821	·889	·889	·879	—·072	89	79	77	84	− 1	8·5	8·5	8·5	+1·5	4	1		1	7	4	17	23	5	S 65° W	S 39° W	58	43	237*	178	22·13	2·69	Port Blair	1
																															Kashmir.	
·304	·466	·567	·417	—·025	78	77	71	75‡	— 3	3·8	5·9	4·9	+0·9	13	9	2	2	5	10	4	5	12	N 74° W	N 30° E	16	6	105*	103	1·86	0·63	Srinagar	14
·137	·137	·112	·128	—·002	65	33	25	41	+ 1	5·7	7·5	6·6	+0·1		2	7	2	1	13	16	20	1	S 54° W	S 72° W	48	31	98	77	0·06	0·05	Leh	
																															Baluchistan.	
·225	·163	·151	·174	—·100	62	18	14	31	−10	0·4	1·2	0·8	−1·2	10	10	1				5	14	22	N 55° W	N 69° W	64	45	81*	79	0·02	0·02	Quetta	16

* Corrected. † Wind observations 2 less. ‡ Mean of three previous columns.

* of hill or plateau stations, the elevations of which exceed 3,200 feet.

Table

Abstract of observations taken at 10 hrs. and 16 hrs., at 36

Number of subdivision.	Station.	Elevation of barometer cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to sea-level and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Hill Stations, excluding Kashmir and Baluchistan.																					
	Simla	7,224	23·102	23·064	·038	23·074	+·012	23·036	72·9	58·3	14·6	80·5	44·5	36·0	67·0	69·4	65·7	−0·3	46·3	51·2	52·1	49·9
	Sarain		·138	·103	·035	·112			71·6	49·8	21·8	81·4	39·3	42·1	65·2	69·6	60·8			49·8	51·3	
	Kalabagh ¶		20·160	20·150	·010	20·146			56·9	43·6	13·3	63·0	32·6	30·4	52·6	53·8	50·4			41·3	42·2	
	Chakrata	7,022	23·272	23·231	·041	23·242	+·012	·201	77·0	57·1	19·9	84·4	44·7	39·7	69·8	71·4	67·1	+1·5	46·5	52·8	53·1	50·8
	Muktesar	7,556	22·838	22·778	·060	22·799		22·757	76·1	56·2	19·9	83·5	44·1	39·4	67·5	71·2	66·3		45·9	51·2	53·1	50·1
	Katmandu	4,388	25·563	25·474	·089	25·515	+·022†	25·469	86·7	59·4	27·3	94·4	50·0	44·4	78·9	79·5	73·2	+2·1†	56·5	64·9	64·1	61·8
	Darjeeling	7,376	22·999	22·927	·072	22·959	−·003	22·914	64·6	51·6	13·0	69·3	43·0	26·3	59·8	60·3	58·3	0	49·6	56·8	57·0	54·5
	Pachmarhi	3,528	26·399	26·290‖	·109	26·342	+·008	26·287‖	96·5‖	76·9	19·6	99·2	70·1	29·1	85·5	94·9‖	86·9‖	+1·7	58·5	63·9	65·5‖	62·6
	Mount Abu	3,945	·004	25·937	·067	25·967	+·009	25·918	86·5	70·5	16·0	90·2	65·6	24·6	80·8	85·0	78·6	−1·2	56·8	61·8	63·8	60·8
	Chikalda	3,642	·291	26·188	·103	26·237	+·007	26·180	95·4	72·7	22·7	99·7	68·1	31·6	84·5	93·7	81·2	+0·5	59·2	63·5	65·7	62·8
	Ootacamund	7,322	23·068	22·988	·080	23·028		22·964	70·0	53·2	16·8	74·2	49·7	24·5	67·1	65·4	61·7		50·0	57·7	58·9	55·5
	Kodaikanal	7,688	22·855	·781	·074	22·818		·753	68·7	55·0	13·7	73·4	51·1	22·3	65·3	61·9	61·9		50·0	57·0	57·5	54·8
	Dodabetta	8,539†	·035	21·979	·056	·007		21·944	64·1	51·9	12·2	67·4	47·6	19·8	61·5	60·5	58·1		46·6	51·6	53·3	50·5
	Extra India.																					
	Minicoy	7	29·954	29·868	·086	29·916																
	Zanzibar	72	30·058	·962	·096	30·015	+·039	30·014	81·5	75·1	6·4	83·9	72·0	11·9	78·1	80·6	77·2	−0·6	71·0	73·4	74·0	72·8
	Diego Garcia								Observations not received.													
	Seychelles	15	29·994	·912	·082	29·954	+·013†	29·893	84·9	78·6	6·3	86·5	75·7	10·8	83·3	83·9	80·4	+0·9†	73·5	77·7	77·8	76·3
	Mauritius	181				·919	+·018	30·048				82·6	62·6	20·0			72·9	+0·8				69·6

* Corrected. ‖ Mean of 28 days. ¶ Observations of 20 days.

N.B.—Elevations in italics indicate barometric determinations.
NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,000 feet.

A—*concluded.*

***stations in India, etc., in May, 1908*—concluded.**

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of subdivision.
														Total number of 10 hrs. and 16 hrs. winds from																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%					Hill Stations, excluding Kashmir and Baluchistan.	
·192	·215	·214	·201	—·008	45	34	32	37	— 9	2·1	4 2	3·2	—0·7	2	22		1	1	23	6	1	6	S 78° W	N 18° W	13	25	137*	144	1·90	0·90	Simla.	
	·202	·194				34	28			3·1	6·1	4·6		14	5	15	5	1	4	11	3	4	N 27° E		10		71*		1·52	0·77	Sarain.	
	·168	·173				42	42			2·5	5·7	4·1		5	6	2		2	16	3	3	3	S 24° W		27		181* ‡		0·52§	0·34	Kalabagh.	
·218	·226	·217	·211	—·057	47	33	30	37	—11	1·5	3·1	2·3	—1·3	18	9		1	6	29				S 13° E	S 57° W	39	33	132*	187	1·72	1·03	Chakrata.	
220	·211	·221	·207		43	33	31	37		3·5	4·5	4·0		12	2		1	1	2	4	39	1	S 86° W		66		204*		1·85	1·29	Muktesar.	
·430	·459	·424	·432	—·058	83	47	44	58	—10	2·6	4·6	3·6	—1·6		1	2	21	4	1		32	1	S 84° W	S 89° W	11	39	47	43	2·55	0·51	Katmandu.	
·341	·436	·435	·393	—·005	83	84	82	85	— 2	7·4	8·0	7·7	+0·3	9	3	4	4	2		8	18	14	N 71° W	S 78° W	43	36	139*	163	10·24	1·63	Darjeeling.	
·285	·343	·288	·297	—·066	31	29	17	25	— 8	0	0·7	0·4	—2·6	1	1	1			1	4	13	38	N 60° W	N 36° W	80	58	230*	180	0	0	Pachmarhi.**	
·312	·343	·349	·327	—·018	41	32	29	34	— 2	0	0·4	0·2	—1·0					1	4	38	16	3	S 56° W	S 66° W	86	70	264*	259	0	0	Mount Abu.	
·353	·343	·305	·326	—·040	44	29	20	31	— 3	2·5	4·0	3·3	+0·3	1	10						4	44	N 41° W	N 33° W	87	67	174*	242	0	0	Chikalda.	
·332	·383	·432	·381		82	57	69	69		3·8	6·7	5·3			10	12	13	7	2	2	3	13	N 33° E		37		86*		6·87	1·55	Ootacamund.	
·313	·387	·431	·377		72	63	78	71		3·4	7·6	5·5			15	11	13	5	6		2	10	N 37° E		40		257		5·06	1·32	Kodaikanal.	
·266	·282	·331	·291		69	52	64	61		4·4	6·5	5·5			22	21	6	4			2	7	N 23° E		68		424*		5·09	1·27	Dodabetta.	
																															Extra India.	
										4·1	5·3	4·7			10					1	14	37	N 19° W		87		163*		5·94	3·05	Minicoy.	
·709	·766	·754	·778	—·052	81	80	73	81	— 3	7·5	7·0	7·3	+1·2	1				9	36	15	1		S 6° W	S 5° E	85	85	218*	194	13·93	2·85	Zanzibar.	
													Observations not received.																		Diego Garcia.	
·766	·881	·877	·854	+·008	78	76	75	78	— 2	4·9	4·8	4·9	—0·2†	3			6	42	9	2			S 41° E	S 43° E	85	59	160	165	6·18	1·22	Seychelles.	
			·625	0				77	— 2			5·0	—0·1										S 63° E	S 65° E			227	216	1·41	0·37	Mauritius.	

† Departures from old normals. ‡ Mean of 1½ days. § Snow water. ** Wind observations less 3.

Table B.—Abstract of observations taken at 8 hrs. at 240 stations in India, etc. in May, 1908.

(1) Provincial means.

(2) Data of stations.

(1) Provincial means based on the material in Table B (2) except that the statement of rainfall depends on the complete data of about 2,700 stations.

	Pressure departure from normal.	Temperature of air.								Wind.		Hygrometry.				Cloud.		Rainfall.		
		Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Absolute range during month.	Departure of velocity from normal.	Departure of steadiness from normal.	Mean humidity.	Departure from normal.	Mean vapour tension.	Departure from normal.	Mean cloud amount.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.
Burma	+·001	93·2	—0·3	76·3	+0·2	84·8	0	16·9	30·4	—0·9	+ 4	80	— 1	·845	—·011	5·5	—0·5	7·12	8·94	—1·82
Eastern Bengal and Assam	+·016	90·1	+0·6	74·0	0	82·1	+0·3	16·2	30·4	—0·4	+ 6	83	— 1	·836	—·013	4·9	—1·1	10·71	11·62	—0·91
Bengal	+·009	100·4	+0·8	78·2	+0·3	89·3	+0·5	22·2	39·0	+0·2	+ 2	66	— 1	·783	—·025	3·3	—0·5	2·53	3·44	—0·91
United Provinces of Agra and Oudh.	+·003	105·7	+1·7	78·5	+0·7	92·0	+1·2	27·3	42·3	—1·0	+ 3	41	— 5	·531	—·057	1·1	—0·5	0·38	0·64	—0·26
Punjab	+·009	104·0	—0·6	75·7	0	89·9	—0·3	28·3	50·2	0	+12	35	— 6	·426	—·120	1·0	—0·7	0·50	0·60	—0·10
North-West Frontier Province	+·013	99·6	—1·9	71·1	—1·4	85·4	—1·6	28·5	48·8	—0·9	+ 4	40	— 6	·448	—·098	1·1	—0·4	0·28	0·72	—0·44
Sind	+ ·018	104·3	+0·5	77·0	—1·5	90·7	—0·5	27·3	41·7	—2·9	+12	60	+ 2	·745	+·016	1·2	—0·6	0·01	0·10	—0·09
Rajputana	+·017	105·7	—0·3	80·4	—0·5	93·1	—0·4	25·3	37·7	+0·5	— 6	40	— 6	·517	—·088	0·5	—0·9	0·29	0·41	—0·12
Bombay	+·028	96·6	—0·4	76·4	—0·8	86·5	—0·6	20·2	28·3	—0·1	+ 5	64	0	·723	—·026	2·5	—0·6	0·29	1·00	—0·71
Central India	+·005	105·3	+0·4	79·2	+1·1	92·3	+0·8	26·2	38·5	0	+14	43	+ 2	·561	+·017	1·9	+0·8	0·13	0·30	—0·17
Central Provinces	+·013	107·0	+0·6	80·4	+0·8	95·7	+0·7	26·6	37·6	+1·1	+11	33	— 4	·487	—·067	1·5	—0·4	0·07	0·48	—0·41
Hyderabad	+·016	105·0	+1·0	79·7	+0·7	92·3	+0·9	25·3	35·9	0	+ 6	44	— 7	·550	—·085	2·4	+0·2	0·12	0·85	—0·73
Mysore	+·018	91·4	+0·3	68·8	—0·3	80·1	—0·1	22·7	33·1	+1·4	— 2	75	+ 2	·650	—·009	4·4	—0·9	3·67	3·67	0
Madras	+·015	97·1	—0·1	79·3	0	88·2	0	17·8	29·4	+0·8	+ 8	69	— 1	·829	—·017	4·2	—0·3	2·17	2·86	—0·69

Table

(2) Abstract of observations taken at 8 hrs., at 240

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.		Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma.																						
2	Mergui	56	29·826	0	29·813	29·916	3rd	29·698	31st	·218	80·1	88·5	−0·6	74·8	+1·0	81·7	+0·2	13·7	95·9	5th & 6th	72·4	7th & 17th	23·5
	Tavoy	19	29·875	+·002	29·826	29·969	3rd	29·730	31st	·239	78·9	88·7*	+0·3	75·0	−0·2	81·8*	+0·1	13·7	96 5	4th	70·8	10th	25·7
	Moulmein	94	29·764	+·001	29·796	29·888	3rd	29·606	31st	·282	79·2	88·0	−1·3	75·5	−0·3	81·8	−0·8	12·5	96·0	2nd	73·3	17th & 24th.	22·7
	Rangoon	36	29·806	−·004	29·779	29·968	3rd	29·656	31st	·312	80·7	89·5	−2·4	77·3	0	83·4	−1·2	12·2	98·1	1st	73·9	10th	24·2
	Baseein	27?	29·807	+·006	29·772	29·935	3rd	29·638	31st	·297	81·8	91·5	0	77·1	+0·1	84·3	+0·1	14·4	99·2	3rd	73·9	10th	25·3
	Diamond Island	41	29·795	−·003	29·770	29·924	3rd	29·622	31st	·302	83·3	88·1	−0·5	78·5	−0·3	83·3	−0·4	9·6	92·4	3rd	73·2	31st	19·2
	Toungoo	164	29·672	+·011	29·777	29·797	3rd	29·536	30th & 31st.	·261	84·1	97·0	+1·3	77·4	+0·7	87·2	+1·0	19·6	105·4	2nd & 3rd.	70·6	16th	34·8
	Kyaukpyu	18	29·797‡		29·756‡	29·909	2nd & 3rd	29·637	29th	·272													
	Akyab	20	29·788	−·005	29·751	29·935	5th	29·633	31st	·302	82·5	90·8	+0·2	77·9	−0·3	84·4	−0·1	12·9	93·9	4th, 21st & 23rd.	71·8	15th	22·1
3	Thayetmyo	121	29·692	+·007	29·754	29·803	3rd	29·552	29th	·251	84·5	99·6	+1·2	78·4	+0·7	8	+1·0	21·2	107·0	3rd	70·9	15th	36·1
	Minbu	*165*	29·654	+·031?	29·762	29·748	20th	29·495	30th	·253	84·4	100·6	+3·1?	80·1	+2·4?	90·4	+2·8?	20·5	108·7	3rd	75·6	14th	33·1
	Yamethin	657	29·134*	−·011	29·741*	29·233	20th	28·987	30th	·246	82·0	96·3	+1·0	76·7	+0·5	86·5	+0·8	19·6	104·3	3rd & 12th.	72·5	16th	31·8
	Mandalay	250	29·545§	+·001	29·743§	29·651	5th	29·397	30th	·254	84·7	99·1§	+0·1	80·3	+1·3	89·€§	+0·7	18·8	109·0	2nd & 3rd.	69·3	8th	39·7
	Monywa	*280*	29·543		29·762	29·650	5th	29·375	30th	·275	81·7	99·9		79·5		89·7		20·4	110·8	2nd	71·1	9th	39·7
	Lashio	*2,751*	27·041	−·012	26·987	27·146	3rd	26·920	28th	·226	72·2	84·9	−3·4	66·2	−0·8	75·6	−2·0	18·7	94·3	3rd	62·0	10th & 11th	32·3
	Bhamo	*381*	29·424	+·016	29·763	29·584	5th	29·264	30th	·320	77·5	93·9	+0·2	72·9	+0·2	83·4	+0·2	21·0	102·9	3rd & 4th	67·1	5th, 6th & 9th.	35·8
	Myitkyina	458	29·326		29·734	29·496	5th	29·179	29th	·319	78·3	91·5		73·6		84·1		20·9	103·7	12th	67·6	6th	41·1
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	353	29·447		29·763	29·574	4th	29·292	30th	·282	75·2	83·9		71·6		77·8		12·3	91·9	18th & 30th,	65·6	5th & 7th	26·3
	Sibsagar	333	29·496*	+·025	29·790*	29·610	4th	29·342	30th	·268	75·9	85·0	−0·9	72·2	+0·5	78·6	−0·2	12·8	91·6	18th & 22nd.	66·2	9th	25·4
	Tezpur	252	29·563*		29·778*	29·665	2 1s	29·430	30th	·235	75·7	87·5		72·1		79·8		15·4	95·6	19th	66·9	9th	28·7
	Gauhati	195	29·608		29·761	29·721	20th	29·453*	31st	·268	76·1	88·6		71·7		80·2		16·9	94·5	4th	66·1	16th	28·4
	Dhubri	115	29·657	+·001	29·729	29·772	20th	29·479	31st	·293	75·7	86·5	+0·6	72·5	−0·7	79·5	−0·1	14·0	92·7	1st	65·8	7th	26·9
	Silchar	104	29·711	+·013	29·769	29·862	4th	29·559	31st	·303	78·4	90·5	+1·8	72·4	−0·1	81·5	+0·9	18·1	95·0	19th	64·3	25th	30·7
5	Cox's Bazar	36	29·758*		29·731*	29·891	2nd	29·590	29th	·301													
	Chittagong	87	29·707	+·004	29·742	29·821	2nd	29·543	29th	·278	81·6	89·6	+1·0	74.8	−0·6	82·2	+0·2	14·8	93·6	13th	67·4	9th	26·2
	Noakhali	43	29·745		29·737	29·846	2nd	29·579	29th	·267	82·8	89·1		76·6		82·9		12·5	92·8	15th	68·4	8th	24·4
	Barisal	12	29·764	+·020	29·722	29·865	2nd	29·580	29th	·285	81·9	92·5	+0·6	77·2	−0·2	84·9	+0·2	15·3	96·3	15th, & 16th,	68·6	9th	27·7
	Comilla	36	29·751		29·736	29·851	21st	29·589	29th	·262	81·8	91·6		74·8		83·2		16·8	96·3	21st	67·3	8th	29·0
	Narayanganj	28	29·753	+·022	29·727	29·853	6th	29·570	29th	·283	81·9	92·2	+0·9	76·2	+0·4	84·2	+0·7	16·0	97·5	4th	68·8	8th	28·7
	Faridpur	46	29·724		29·720	29·827	2	29·549	29th	·278	81·5	93·1		74·3		83·7		18·8	98·8	3rd & 5th	68·4	7th	30·4
	Sirajganj	49	29·716		29·715	29·799	7th	29·574	31st	·225	79·5	91·0		74·8		82·9		16·2	97·3	5th	67·8	6th	29·5
	Mymensingh	63	29·726	+·021	29·740	29·821	21st	29·564	31st	·257	80·2	90·1	+1·5	74·6	+0·8	82·3	+1·2	15·5	95·1	4th	67·6	6th	27·5
	Bogra	75	29·686	+·023	29·713	29·787	20th	29·530	31st	·257	79·9	91·7	−0·8	74·4	−0·1	83·1	−0·5	17·3	100·7	4th	67·2	6th	33·5
	Rampur Boalia	70	29·678		29·697	29·801	7th	29·545	29th	·256	82·1	96·1		75·7		85·9		20·4	109·1	2nd	68·1	9th	41·0
	Malda	72	29·654		29·681	29·857	7th	29·528	29th	·329	81·3	95·4		75·3		85·4		20·1	107·8	1st & 2nd	64·5	8th	43·3
	Dinajpur	123	29·624	+·013	29·703	29·801	7th	29·466	31st	·335	78·2	91·1	−0·6	73·8	−0·5	82·5	−0·6	17·3	100·8	1st & 4th	64·5	7th	36·3
	Rangpur	123	29·648		29·727	29·764	7th	29·505	31st	·259	79·5	89·1		72·9		81·1		16·2	96·1	1st & 4th	63·0	7th	33·1

* Mean of 30 days. ‡ Mean of 29 days.

§ „ 28 „

N.B.—Elevations in italics indicate barometrical determinations.

NOTE—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,000 feet.

B.

stations in India, etc., in May, 1908.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloudamount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st May 1908.	Normal rainfall for period, 1st to 31st May.	Departure from normal of period, 1st to 31st May 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																I.—Burma.
21									(a)	S 81° W	1·2	1·9	−0·7			89	+ 1	·893	−·012	2·3	−3·5	17	18·00	−1·00	20·97	19·26	+1·71	20·97	19·26	+1·71	4·50	Mergui.
31									(a)	S 61° W	1·1†	1·6	−0·5			90	+ 2	·896	+·002	5·9	−0·9	20	17·70	+2·30	27·32	26·05	+1·27	27·32	26·05	+1·27	3·25	Tavoy.
31																																
6		3	2	10	8	1	1		S 35° E	S 47° E	4·2	3·4	+0·8	56	+20	90	+ 2	·898	+·011	8·0	+0·7	21	17·40	+3·60	29·17	19·40	+9·77	29·17	19·40	+9·77	5·04	Moulmein.
4	1	6	1		6	4	5	4	S 81° W	S 39° W	4·1	4·6	−0·5	17	−37	86	− 2	·900	−·018	7·6	+0·6	20	14·00	+6·00	13·71	11·22	+2·49	13·71	11·22	+2·49	3·19	Rangoon.
1	1	2	1	1	10	9	4	2	S 33° W	S 51° W	4·4	4·8	−0·4	53	+24	85	− 1	·933	−·002	4·4	−1·6	10	12·10	−2·10	5·36	10·30	−4·94	5·36	10·30	−4·94	1·14	Bassein.
2	1	4	2	2	1	6	7	6	N 81° W	S 64° W	7·6	7·8	−0·2	30	−10	80	+ 1	·919	+ ·013	6·4	−0·8	15	11·18	+3·82	21·01	10·43	+10·58	21·01	10·43	+10·58	6·94	Diamond Island.
2	1				8	4	4		S 4° W	S 28° E	4·9	4·6	+0·3	62	− 6	78	− 5	·913	−·010	6·2	−0·7	12	10·10	+1·90	9·22	6·28	+2·94	9·22	6·28	+2·94	2·39	Tourgoo.
									S 63° E		4·7			42						5·0		15			6·26			6·26			1·30	Kyaukpyu.
1	3	2	9	7	5	1	3		N 71° E	N 81° E	4·1	3·5	+0·6	59	+ 9	84	0	·938	−·029	5·2	−1·7	7	11·50	−4·50	5·72	11·88	−6·16	5·72	11·88	−6·16	1·77	Akyab.
1	1	11	11	2	2		2	1	S 20° W	S 5° E	6·5†	7·1	−0·6	92	+17	69	− 3	·818	−·025	5·2	+0·1	5	6·90	−1·90	4·95	4·13	+0·82	4·95	4·13	+0·82	2·18	Thayetmyo.
				1	15	15			S 45° E	S 38° E	5·0	10·3	−5·3	82	+ 8	69	− 8	·820	−·022	4·4	0	3	6·40	−3·40	4·20	6·01	−1·81	4·20	6·01	−1·81	2·65	Minbu.
			28					3	S 15° E	S 28° E	5·3	8·1	−2·8	79	+ 5	76	− 1	·831	+·008	5·2	+1·4	5	8·10	−3·10	4·21	6·76	−2·55	4·21	6·76	−2·55	1·61	Yamethin.
5				9	17				S 28° E	S 4° E	5·9	7·4	−1·5	86	+25	67	− 4	·794	−·051	2·7	−2·2	6	6·60	−0·60	5·83	5·55	+0·28	5·83	5·55	+0·28	2·10	Mandalay.
2				18	10	1			S 45° E		3·4			49		68		·799		5·3		7	7·20	−0·20	6·85	3·54	+3·31	6·85	3·54	+3·31	2·70	Monywa.
10		1	3	12	3	1		1	N 22° E		2·5†			10		84	0	·664	−·006	6·5	−0·3	11			5·74	6·13	−0·39	5·74	6·13	−0·39	1·52	Lashio.
23	2	1	2		1				N 34° E	N 53° W	2·2	3·1	−0·9	13	− 7	82	+ 2	·773	−·018	6·9	+1·3	9	10·40	−1·40	5·16	6·46	−1·30	5·16	6·46	−1·30	1·20	Bhamo.
19	1	6	1			3	1																					2·39			0·51	Myitkyina.
14	1	9	4	1			2	7	N 54° E		3·5†			3		75		·725		6·3		7			2·39							
																																II.—Eastern Bengal and Assam.
31									(a)		0·2					88		·761		7·5		16	15·20	+0·80	12·51	14·60	−2·09	12·51	14·60	−2·09	1·95	Dibrugarh.
12	1	15				2		1	N 38° E	N 60° E	2·1	2·9	−0·8	46	+13	90	− 2	·803	−·021	7·2	−0·9	12	15·90	−3·90	11·48	12·62	−1·14	11·48	12·62	−1·14	3·24	Sibsagar.
1	1	10	6	6	2	1	2	2	N 79° E		3·8			43		86		·767		4·1		15	14·10	+0·90	10·42	10·12	+0·30	10·42	10·12	+0·30	1·44	Tezpur.
16	6	4	2		1			2	N 20° E		2·1			30		86		·776		7·2		18	14·20	+3·80	12·81	9·76	+3·05	12·81	9·76	+3·05	2·08	Gauhati.
	2	3	24	2					N 85° E	N 67° E	10·2	7·1	+3·1	92	+38	91	+ 4	·819	+·018	5·0	−2·0	19	15·70	+3·30	11·94	15·43	−3·49	11·94	15·43	−3·49	1·61	Dhubri.
26	1		2	2					S 82° E	N 84° E	4·8	3·2	+1·6	11	− 2	82	− 4	·806	−·022	3·8	−3·5	12	16·50	−4·50	17·74	17·24	+0·50	17·74	17·24	+0·50	3·72	Silchar.
									S 43° E		4·9			81						3·7		10			9·29			9·29			2·73	Cox's Bazar.
2			1	15	4	1																										
7		1	2	17	4				S 44° E	S 50° E	4·3	6·4	−2·1	69	+ 4	80	− 2	·865	−·043	2·8	−3·3	10	10·55	−0·55	9·27	10·31	−1·04	9·27	10·31	−1·04	3·00	Chittagong.
	4		2	13	9	2			S 34° E		5·2			61		80		·887		4·0		10	10·45	−0·45	10·75	10·06	+0·69	10·75	10·06	+0·69	2·80	Noakhali.
14			1	4	8	4			S 4° E	S 9° E	2·2*	5·0	−2·8	46	− 4	82	0	·982	+·014	3·8	−2·5	7	9·84	−2·84	5·12	9·19	−4·07	5·12	9·19	−4·07	1·34	Barisal.
11	1			9		10			S 5° W		3·1			39		82		·894		1·7		12	11·89	+0·11	15·99	11·01	+4·98	15·99	11·01	+4·98	3·90	Comilla.
5		2	6	10	4	4			S 42° E	S 28° E	5·0	6·7	−1·7	56	+ 2	82	− 3	·900	−·029	5·2	−1·1	11	11·53	−0·53	13·00	9·44	+3·56	13·00	9·44	+3·56	4·20	Narayanganj.
3	3	1	2	6	14	2			S 21° E		5·0			55		80		·866		4·6		10	10·72	−0·72	7·49	8·30	−0·81	7·49	8·30	−0·81	2·08	Faridpur.
8		4	2	10	6				S 52° E		4·5			55		84		·856		6·3		7	10·16	−3·16	5·28	7·95	−2·67	5·28	7·95	−2·67	1·36	Sirajganj.
5			10	11	4			1	S 57° E	S 81° E	3·5	4·1	−0·6	66	− 2	83	− 2	·851	+·011	7·0	+0·8	9	13·48	−4·48	7·24	12·96	−5·72	7·24	12·96	−5·72	2·37	Mymensingh.
11			16	1	3				S 78° E	S 72° E	3·4	4·4	−1·0	56	− 4	80	− 2	·824	−·027	4·6	−0·1	10	9·77	+0·23	11·24	8·04	+3·20	11·24	8·04	+3·20	4·36	Bogra.
20				4	6	1			S 11° E		6·2			32		75		·839		4·5		7	7·74	−0·74	4·56	5·54	−0·98	4·56	5·54	−0·98	1·94	Rampur Boalia.
4	5	11	9	1			1		S 81° E		2·6†			65		81		·867		2·4		5	5·58	−0·58	3·79	3·85	−0·06	3·79	3·85	−0·06	1·40	Malda.
3	4	18	4			1	1		N 88° E	N 88° E	5·4	4·6	+0·8	72	0	84	+ 4	·811	+·008	5·3	−0·6	7	8·23	−1·23	4·33	8·45	−3·52	4·93	8·45	−3·52	1·40	Dinajpur.
17	4	5	4	1					S 85° E		2·2			36		80		·817		2·8		9	11·19	−2·19	3·85	10·31	−6·46	3·85	10·31	−6·46	0·95	Rangpur.

(a) Indeterminate. Wind observations of 26 days. † Uncorrected.

Table

(2) *Abstract of observations taken at 8 hrs., at 240 stations*

Number of subdivision	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	II.—Eastern Bengal and Assam—*concld.*																						
5	Jalpaiguri	283	29·499	+·019	29·742	29·627	7th	29·346	31st	·281	77·5	89·9	+1·6	72·8	+0·5	81·4	+1·1	17·1	96·4	1st	63·6	7th	32·8
	Cooch Behar	156	29·628		29·741	29·751	20th	29·165	31st	·286	76·7	87·8		72·3		80·1		15·5	92·3	1st, 9th & 18th.	64·6	7th	27·7
	III.—Bengal.																						
6	Sangor Island	25	29·714	+·005	29·683	29·825	2nd	29·570	31st	·255	85·9	93·8	+2·0	81·2	+0·2	87·5	+1·1	12·6	101·0	15th	74·0	24th & 25th.	27·0
	Midnapore	149	29·573		29·668	29·666	21st	29·452	28th	·214	84·2	99·1		77·2		88·2		21·9	107·3	2nd	65·2	7th	42·1
	Calcutta	21	29·718	+·010	29·684	29·812	21st	29·582	28th	·230	84·4	95·6	+1·1	77·7	+0·3	86·7	+0·7	17·9	101·1	16th	69·2	8th	31·9
	Jessore	33	29·725	+·015	29·705	29·817	6th	29·570	29th	·247	83·3	94·6	−0·2	76·1	−0·7	85·4	−0·5	18·5	99·5	1st	67·2	8th	32·3
	Krishnagar	47	29·689*		29·685*	29·789	21st	29·563	29th	·226	82·4	98·7		77·3		88·0		21·4	105·6	2nd	67·0	8th	38·6
	Burdwan	99	29·631	+·012	29·678	29·716	7th	29·509	29th	·207	82·8	97·1	−1·3	76·9	−0·9	87·1	−1·1	20·2	104·9	2nd	68·8	8th	36·1
	Bankura	313	29·395		29·658	29·524	7th	29·279	29th	·245	83·8	100·6		78·0		89·4		22·8	112·1	2nd	68·2	11th	43·9
	Raniganj	334	29·392		29·677	29·555	7th	29·274	30th	·281	83·3	101·5		78·3		89·9		23·2	113·5	2nd	70·0	8th	43·5
	Berhampore	67	29·674	+·012	29·690	29·820	7th	29·545	29th	·275	83·8	100·1	+3·6	77·1	+0·5	88·6	+2·1	23·0	110·3	2nd	69·7	8th	40·6
	Naya Dumka	489	29·229		29·673	29·378	7th	29·113	29th	·265	83·9	101·1		78·0		89·5		23·1	111·9	2nd	71·0	7th & 8th.	40·9
7	Balasore	50	29·686	+·021	29·680	29·794	2nd	29·538	31st	·256	85·5	97·5	−0·1	78·7	0	88·1	−0·1	18·8	104·4	7th	68·3	6th	36·1
	False Point	21	29·740	+·024	29·702	29·853	2nd	29·569	28th	·284	86·0	90·8	−0·2	80·5	+0·8	85·7	+0·3	10·3	93·1	31st	72·6	15th	20·5
	Cuttack	80	29·656	+·010	29·679	29·771	3rd	29·492	30th	·279	85·7	101·9	+0·3	80·6	+0·5	91·3	+0·4	21·3	110·4	29th	73·2	5th	37·2
	Puri	24	29·729		29·691	29·839	2nd	29·559	31st	·280	84·6	89·9		81·4		85·7		8·5	95·6	27th	72·6	5th	23·0
	Angul	455	29·276		29·685	29·369	4th	29·125	31st	·244	85·8	103·9		78·4		91·7		24·5	112·6	29th	69·0	11th	43·6
	Sambalpur	486	29·230	−·002	29·655	29·346	6th	29·086	28th	·260	91·3	107·6	+0·7	83·5	+1·9	95·6	+1·3	24·1	114·1	28th	75·6	14th	38·5
8	Chaibassa	*733*	28·983	+·016	29·665	29·072	21st	28·847	28th	·225	82·2	104·5	−0·6	78·0	−2·0	91·3	−1·3	26·5	110·3	2nd & 3rd.	68·7	9th	41·6
	Ranchi	2,128	27·621	+·014	29·669	27·700	21st	27·502	31st	·196	83·0	100·5	+0·9	75·5	−0·5	88·0	+0·2	25·0	105·7	1st	67·9	8th	37·8
	Purulia	*816*	28·882		29·645	28·991	7th	28·770	28th	·421	81·1	102·6		77·1		89·8		25·5	112·0	2nd	66·1	30th	45·9
	Hazaribagh	2,007	27·714	−·004	29·634	27·796	2nd	27·600	31st	·156	86·0	101·1	+1·9	77·1	+1·6	89·1	+1·8	24·0	106·7	2nd	69·3	8th	37·4
	Daltonganj	*730*	28·962		29·635	29·059	12th	28·842	31st	·217	89·3	108·5		80·1*		94·4*		28·4	113·0	24th & 30th.	71·0	16th	42·0
9	Purnea	122	29·613	+·004	29·692	29·799	7th	29·480	30th	·319	79·0	96·5	+1·7	73·9	−0·3	85·2	+0·7	22·6	108·7	2nd	64·2	7th & 9th.	44·5
	Bhagalpur	160	29·556		29·668	29·695	7th	29·422	30th	·273	84·2	99·6		76·4		88·1		23·2	112·7	2nd	64·3	7th	48·4
	Monghyr	155	29·546		29·651	29·626	20th & 21st.	29·415	30th	·211	84·6	100·2		75·9		88·1		24·3	110·9	2nd	62·9	7th	48·0
	Darbhanga	165	29·550	+·001	29·671	29·628	20th	29·418	30th	·210	82·5	98·3	+2·7	76·1	−0·2	87·2	+1·3	22·2	108·1	2nd	67·3	7th	40·8
	Pusa	166	29·536		29·656	29·618	7th	29·400	30th	·218	83·5	101·1		75·5		88·3		25·6	111·2	2nd	67·4	7th	43·8
	Muzaffarpur	178	29·534		29·667	29·611	21st	29·409	30th	·205	84·7	99·5		76·9		87·9		22·6	109·7	2nd	70·5	7th	39·2
	Motihari	224	29·490		29·667	29·569	21st	29·363	30th	·206	82·4	99·9		76·1		87·9		23·8	108·7	2nd	68·8	7th	39·9
	Chapra	181	29·499		29·633	29·593	20th	29·344	29th	·249	85·0	104·2		75·8		89·7		28·4	111·7	3rd & 4th.	69·1	15th & 20th.	42·6
	Patna	183	29·507	−·008	29·643	29·582	21st	29·383	31st	·199	86·5	101·3	+1·1	79·2	+1·5	90·3	+1·3	22·1	109·5	4th	70·7	7th & 8th.	38·8
	Arrah	190	29·497		29·638	29·578	21st	29·370	31st	·208	87·4	104·0		79·5*		91·7*		24·5	111·9	2nd	72·2	8th	39·7
	Buxar	239	29·433		29·625	29·519	21st	29·307	31st	·212	87·9	105·5		80·7		93·1		24·8	111·5	1st & 2nd.	73·0	8th	38·5
	Dehri	351	29·316		29·617	29·398	21st	29·188	29th	·213	87·4	107·1		81·2		94·2		25·9	113·3	2nd	73·5	8th	39·8
	Gaya	375	29·293	−·020P	29·616	29·364	2nd	29·164	31st	·200	89·3	106·2	+1·3	81·9	+2·4	94·1	+1·9	24·3	112·4	2nd	72·2	8th	40·2
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·435	+·002	29·646	29·522	21st	29·315	31st	·207	87·4	104·8	+3·8	78·8	+1·5	91·8	+2·7	26·0	112·6	2nd	71·5	8th	41·1
	Benares	267	29·409	−·003	29·627	29·501	11th	29·278	29th & 31st	·223	91·1	107·1	+1·6	80·2	+1·3	93·7	+1·5	26·9	112·6	20th	74·6	1st & 15th.	38·0
	Allanabad	309	29·344P	−·023P	29·602P	29·435	11th	29·217	29th	·218	90·7	109·4	+2·4	81·8	+2·3	95·6	+2·4	27·6	114·6	24th	76·0	15th	38·6

N.B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau

* Mean of 30 days.

‡ „ 22 „

B—*continued.*

in India, etc., in May, 1908—continued.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st May 1908.	Normal rainfall for period 1st to 31st May.	Departure from normal of period, 1st to 31st May 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																															II.—Eastern Bengal and Assam—*concld.*	
14		2	5	6	4				S 57° E	N 88° E	3·0			43	+11	80*	— 4	·761*	—·036	6·8	+2·5	15	12·42	+2·58	15·38	12·04	+ 3·34	15·38	12·04	+3·34	3·06	Jalpaiguri.
12		6	8	3		1	1		N 86° E		2·1			42		87		·803		7·2		18	14·76	+ 3·24	27·52	15·26	+12·26	27·52	15·26	+12·26	3·63	Cooch Behar.
																															III.—Bengal.	
	2	1		3	17	6	2		S 9° W	S 5° W	21·6†	16·9	+4·7	69	— 6	78	— 3	·968	—·041	5·4	—1·6	4	6·71	— 2·71	1·81	5·09	— 3·28	1·81	5·09	—3·28	1·19	Saugor Island.
4	1	2		4	19			1	S 12° E		5·8‡			65		70		·819		3·7		12	7·05	+ 4·95	9·35	5·69	+ 3·66	9·35	5·69	+ 3·66	2·72	Midnapore.
1		2	4	4	9	8	1	2	S 1° E	S 6° W	7·9†	7·0		47	—21	75	— 4	·896	—·048	5·0	0	8	7·46	+ 0·54	4·64	5·68	— 1·04	4·64	5·68	— 1·04	1·03	Calcutta.
11		1	2	7	9	1			S 26° E	S 16° E	2·4	4·6	—2·2	53	— 1	82	— 2	·930	—·042	5·0	—0·9	9	9·74	— 0·74	6·09	7·94	— 1·85	6·09	7·94	— 1·85	1·81	Jessore.
3	1	2	4	4	12	3	2		S 15° E		5·2			52		77		·850		4·9		7	7·74	— 0·74	2·61	6·55	— 3·94	2·61	6·55	— 3·94	1·15	Krishnagar.
7	1		4	2	5	10	2		S 16° W	S 11° W	5·0	4·7	+0·3	43	—11	78	+ 3	·878	—·005	5·8	+0·8	10	7·32	+ 2·68	7·87	6·35	+ 1·52	7·87	6·35	+ 1·52	2·49	Burdwan.
15			7	5	2	2			S 10° E		3·7			36		71		·805		3·2		9	6·19	+ 2·81	4·02	3·89	+ 0·13	4·02	3·89	+ 0·13	0·98	Bankura.
12	1	1	5	4	2	4	2		S 34° E		2·9			23		74		·843		3·9		7	5·18	+ 1·82	2·90	3·77	— 0·87	2·90	3·77	— 0·87	0·75	Ranigani.
1	1	2	6	5	12	3		1	S 29° E	S 37° E	6·8	5·1	+1·7	55	+ 6	68	—15	·783	—·111?	4·8	—0·8	4	7·74	— 3·74	0·93	5·41	— 4·48	0·93	5·41	— 4·48	0·31	Berhampore.
18			9	1	2		1		S 72° E		4·4§			29		66		·764		2·5		3	5·21	— 2·21	1·21	3·60	— 2·39	1·21	3·60	— 2·39	0·86	Naya Dumka.
4	1				5	19	1	1	S 42° W	S 29° W	5·9	8·8	—2·9	72	— 3	70	— 9	·859	—·112	4·6	—0·9	6	7·74	— 1·74	3·48	5·97	— 2·49	3·48	5·97	— 2·49	2·09	Balasore.
1	1		1	2	9	15	1	1	S 27° W	S 27° W	13·0	13·7	—0·7	72	— 3	79	— 4	·978	—·037	6·3	—0·1	1	4·32	— 3·32	0·38	5·23	— 4·85	0·38	5·23	— 4·85	0·30	False Point.
9		2	3	3	5	6	3		S 4° W	S 46° W	5·2*	5·1	+0·1	33	— 7	74	+ 2	·916	+·012	4·4	—0·2	4	5·23	— 1·23	1·87	4·24	— 2·37	1·87	4·24	— 2·37	1·05	Cuttack.
2			1	8	20				S 29° W		18·6			84		83		·936		5·1		3	3·39	— 0·39	2·92	2·89	+ 0·03	2·92	2·89	+0·03	1·42	Puri.
1	1	5	5	12	3	1		3	S 67° E		9·7			48		68		·834		2·4		3			1·10			1·10			0·50	Angul.
	1	1	4	5	16	2	2		S 30° W	S 7° E	4·9	4·3	+0·6	66	+24	53	+ 2	·784	+·061	2·7	—0·8	1	3·00	— 2·00	0·30	1·62	— 1·32	0·30	1·62	— 1·32	0·10	Sambalpur.
5	1	2		7	12	3	1		S 34° W	S 58° W	5·0	2·8	+2·2	56	+ 9	68	+ 7	·736	—·053	3·3	+0·8	7	5·65	+ 1·35	3·64	3·34	+ 0·30	3·64	3·34	+ 0·30	0·81	Chaibassa.
3			2	9	9	6	2		S 39° W	S 43° W	7·2	7·8	—0·6	62	+15	52	+ 1	·576	—·029	2·8	+0·6	4	4·68	— 0·68	2·29	2·08	+ 0·21	2·29	2·08	+ 0·21	0·88	Ranchi.
5	1	2	5	3	6	4	3	2	S 8° E		4·9			23		69		·732		4·0		7	5·26	+ 1·74	3·56	2·92	+ 0·64	3·56	2·92	+ 0·64	0·93	Purulia.
1	1		2	2	9	13	1	2	S 45° W	S 28° W	8·5	9·2	—0·7	62	+12	43	— 3	·527	—·007	2·8	—0·3	3	3·93	— 0·93	0·71	2·33	— 1·62	0·71	2·33	— 1·62	0·22	Hazaribagh.
15	2		7	2		2		3	N 79° E		5·5			16		41¶		·565¶		1·8		0	2·07	— 2·07	0·02	1·04	— 1·02	0·02	1·04	— 1·02	0·02	Daltonganj.
8		16	7						N 59° E	N 82° E	4·4	4·5	—0·1	66	— 9	83	+ 7	·824	+·011	3·1	—1·3	7	5·34	+ 1·66	3·27	4·77	— 1·50	3·27	4·77	— 1·50	1·22	Purnea.
7		10	11	2		1			N 75° E		4·5			61		66		·775		2·3		3	4·16	— 1·16	1·56	2·79	— 1·23	1·56	2·79	— 1·23	1·13	Bhagalpur.
1	1	2	19	7			1		S 85° E		9·8*			81		72		·866		1·6		2			1·64			1·64			1·25	Monghyr.
1		4	25	1					N 86° E	S 79° E	5·6	6·2	—0·6	96	+20	70	— 1	·784	—·008	1·3	—1·0	4	3·93	+ 0·07	0·84	3·07	— 2·23	0·84	3·07	— 2·23	0·30	Darbhanga.
	4	4	21		2				N 78° E					78		69		·789		1·3		2			0·92			0·92			0·53	Pusa.
3		1	14	13					S 69° E		6·8			81		62		·751		0·5		2	3·65	— 1·65	1·43	2·40	— 0·97	1·43	2·40	— 0·97	1·32	Muzaffarpur.
		12	18	1					N 73° E		5·8			90		65		·722		1·6		3	4·25	— 1·25	0·81	2·65	— 1·84	0·81	2·65	— 1·84	0·44	Motihari.
6	2	10	5	3	1		1	3	N 54° E		3·1			45		62§		·737 §		0·7		0	2·13	— 2·13	0·02	1·35	— 1·33	0·02	1·35	— 1·33	0·02	Chapra.
	1	23	2			1	3		N 86° E	N 87° E	9·3	5·8	+3·5	72	+ 4	58	— 7	·723	—·043	0·1	—1·9	1	2·97	— 1·97	0·52	1·93	— 1·41	0·52	1·93	— 1·41	0·52	Patna.
2		12	6	2	3	3	2	1	N 75° E		3·8			36		52		·668		0·3		0	2·45	— 2·45	0·03	1·47	— 1·44	0·03	1·47	— 1·44	0·02	Arrah.
1		3	18	1	1	5	2		S 79° E		6·1			48		47		·616		1·4		0	1·97	— 1·97	0·02	0·82	— 0·80	0·02	0·82	— 0·80	0·02	Buxar.
1			13	2	1	11	3		S 58° W		4·3			61		45		·579		10·0		1	1·47	— 0·47	0·30	0·82	— 0·52	0·30	0·82	— 0·52	0·30	Dehri.
6	2	12	1	1	1	3	5		N 25° E	S 78° W	3·6	5·3	—1·7	27	— 1	55	— 3	·745	—·033	2·3	—0·3	1	1·94	— 0·94	0·47	0·98	— 0·51	0·47	0·98	— 0·51	0·28	Gaya.
																															IV.—United Provinces of Agra and Oudh.	
15	1	5	5	3				2	N 67° E	N 76° E	1·0†	3·5	—2·5	33	—10	48	—15	·621	—·113	0·9	—0·7	0	2·40	— 2·40	0	1·34	— 1·34	0	1·34	— 1·34	0	Gorakhpur.
6	3	2	10	1		4	3	2	N 65° E	N 72° E	4·0	5·1	—	17	+ 5	48	— 5	·696	+·022	1·0	—0·7	0	1·00	— 1·00	0·08	0·64	— 0·56	0·08	0·64	— 0·56	0·08	Benares.
5	1	5		1	2	3	6	3	N 31° W	N 2° E	4·5	6·8	—2·3	7	— 2	33	— 9	·475	—·113	1·6	0	0	0·50	— 0·50	0	0·29	— 0·29	0	0·29	— 0·29	0	Allahabad.

stations, the elevations of which exceed 3,200 feet.

‖ Mean of 28 days. † Uncorrected. ** Mean of 27 days.

¶ „ 25 „ § Mean of 23 days, †† „ 29 „

Table

(2) *Abstract of observations taken at 8 hrs., at 240 stations*

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IV.—United Provinces of Agra and Oudh—*concld.*																						
10	Cawnpore	416	29·248	+·003	29·617	29·335	14th	29·120	29th	·215	89·2	108·2	+2·0	79·7	−0·9	94·0	+0·6	28·5	113·4	20th & 25rd.	71·0	12th	42·4
	Lucknow	368	29·313	+·008	29·636	29·392	21st	29·191	26th & 29th.	·201	88·1	107·8	+2·8	79·1	+1·3	93·5	+2·1	28·7	114·0	25th	69·1	12th	44·9
	Bahraich	401	29·276	+·005	29·633	29·356	20th	29·149	29th	·207	87·1	105·1	+2·1	79·0	+1·1	92·1	+1·6	26·1	112·1	20th	68·0	11th	44·1
11	Jhansi	835	28·877	+·009	29·650	29·367	1st	28·767	27th & 29th.	·200	95·4	109·4	+1·1	85·9	+2·3	97·7	+1·7	23·5	114·3	22nd & 28th.	74·6	13th	39·7
	Agra	556	29·128	+·005	29·637	29·226	1st	28·999	28th	·227	88·6	106·1	−1·1	80·8	−0·7	93·5	−0·9	25·3	113·5	27th	71·5	11th	42·0
	Mainpuri †	516	?	?	?	?	?	?	?	?	83·0	103·7	−2·7	74·2	−3·6?	88·9	−3·2?	29·5	112·3	5th	68·8	15th	43·5
	Bareilly	568	29·102	0	29·629	29·182	10th	28·973	29th	·209	85·2	104·9	+1·7	77·2	+0·8	91·1	+1·3	27·7	110·8	19th	67·0	10th	43·8
	Meerut	738	28·926	−·003	29·621	29·012	1st	28·796	27th & 31st	·216	85·9	103·8	+0·8	73·8‡	−1·3‡	87·6‡	−0·3	30·0	110·1	25th	65·8	11th	44·3
	Roorkee	899	28·779	+·008	29·634	28·880	1st	28·653	26th & 31st	·227	86·3	103·8	+1·0	74·4	−0·2	89·1	+0·4	29·4	112·0	27th	67·4	3rd & 15th.	44·6
	Dehra Dun	2,233	27·488	−·005	29·646	27·588	1st	27·374	31st	·214	80·2	97·7	+2·7	70·7	+0·1	84·3	+1·4	27·0	106·5	27th	62·5	15th & 14th.	44·0
	V.—Punjab.																						
12	Delhi	718	28·961	+·010	29·635	29·050	20th	28·821	27th	·229	87·3	105·7	+1·0	81·6	+1·4	93·7	+1·2	24·1	112·7	25th & 27th.	67·7	10th	45·0
	Sirsa	662	29·033§	+·033§	29·657§	29·130	12th	28·947	26th	·183	86·5	105·1	−2·1	76·9	−0·5	91·0	−1·3	28·2	112·3	25th	64·1	11th	48·2
	Patiala	*818*	28·859		29·636	29·005	1st	28·676	4th	·329	86·1	102·6		75·0**	**	88·8**		27·6	111·0	27th	63·9	11th	47·1
	Ambala	892	28·769	+·013	29·623	28·867	1st	28·636	31st	·231	83·1	101·9‖	−3·3‖	73·1	−3·3	86·1	−3·2	28·8	112·0	27th	67·0	10th	45·0
	Ludhiana	812	28·844	+·002	29·618	28·979	1st	28·631	27th	·318	85·1	104·6	+0·2	76·2	+0·8	90·4	+0·5	28·4	114·5	27th	66·5	10th	48·0
	Lahore	702	28·939	−·001	29·604	29·092	1st	28·742	27th	·350	86·1	104·9	−0·8	74·4	+1·8	89·7	+0·5	30·5	114·4	27th	64·2	13th	50·2
	Sialkot	830	28·826	+·007	29·618	28·996	1st	28·642	27th	·374	87·0	102·8	−0·3	74·0	−0·8	88·4	−0·6	28·8	114·2	27th	61·0	13th	52·6
	Rawalpindi	1,674	28·016	+·005	29·647	28·165	1st	27·838	27th	·327	83·6	98·5	+0·4	69·5	+0·9	84·0	+0·7	29·0	107·4	27th	58·1	13th	49·3
13	Khushab	612	29·056	+·018	29·629	29·204	4th	28·896	29th	·308	85·6	102·8	−2·1	75·8	−1·5	89·3	−1·5	27·0	113·9	27th	62·4	12th	51·5
	Montgomery	558	29·090	+·026?	29·605	29·247	1st	28·904	29th	·343	90·1	105·3	−3·0	75·2	−3·2	90·3	−3·1	30·1	114·4	27th	59·1	12th	55·3
	Multan	420	29·239	+·017	29·618	29·214	1st	29·065	28th	·349	89·2	107·5	+0·9	78·6	+1·0	93·1	+1·0	28·9	117·8	27th	63·5	12th	54·3
	VI.—North-West Frontier Province.																						
15	Peshawar	1,110	28·600	+·009	29·688	28·761	1st	28·466	26th	·295	82·7	96·3	−2·3	69·1	−0·9	82·7	−1·6	27·2	107·2	28th	59·4	5th, 10th & 11th.	47·8
	D. I. Khan	590	29·101	+·017	29·638	29·275	1st	28·960	28th & 29th.	·315	85·6	102·8	−1·4	73·1	−1·8	88·0	−1·6	29·7	111·8	26th	62·1	12th	49·7
	VII.—Sind.																						
17	Jacobabad	186	29·476	+·018	29·620	29·599	12th	29·355	8th	·244	89·9	110·8	−0·8	77·0	−1·2	93·9	−1·0	33·8	117·1	8th & 27th,	68·3	11th & 21st.	48·8
	Hyderabad	96	29·605	+·012	29·654	29·694	17th	29·482	28th	·212	85·0	107·8	+0·9	76·2	−2·2	92·1	−0·7	31·6	114·6	24th	71·5	19th	43·1
	Kurrachee	30	29·733	+·025	29·714	29·539	17th	29·578	28th	·261	84·0	94·2	+1·3	77·7	−1·0	86·0	+0·2	16·5	106·8	31st	73·7	28th	33·2
	VIII.—Rajputana.																						
18	Bikaner	*771*	28·900	+·009	29·627	29·010	4th	28·758	29th	·252	88·6	107·1	0	81·5	−1·1	94·4	−0·6	25·6	113·6	27th	70·0	11th	43·6
	Jodhpur	782	28·957		29·713	29·051	1st	28·856	28th	·195	85·6	105·2		79·4		92·4		25·8	110·1	25th	75·8	13th & 19th, 2nd	34·3
	Pachpadra	*380*	29·344	+·018	29·678	29·430	5th	29·218	31st	·182	85·7	106·7	−1·0	77·3	−0·2	92·1	−0·6	29·4	110·9	23rd	72·6		38·3
19	Jaipur	1,431	28·304	+·012	29·672	28·364	1st	28·201	28th	·193	88·8	106·3	−0·3	78·2	0	92·3	−0·2	28·1	112·2	27th	67·6	11th	44·6
	Sambhar	1,254	28·472	+·024	29·670	28·551	1st	28·362	28th	·189	88·5	106·0	+0·9	79·5	−0·7	92·8	+0·1	26·5	110·4	9th, 26th & 27th.	69·5	11th	40·9
	Ajmer	1,611	28·149	+·022	29·698	28·230	1st	28·043	28th	·187	86·7	103·5	−0·3	82·9	+3·6?	93·3	+1·7?	20·6	108·4	26th	75·2	10th	33·2
	Kotah	819?	28·879	−·005?	29·677	28·972	1st	28·775	28th	·196	94·0	108·3	−0·9	85·9	−0·5	97·1	−0·7	22·4	113·0	27th	79·6	5th	33·4
	Udaipur	1,925	27·867		29·706	27·548	1st	27·781	23rd & 28th.	·167	88·3	102·2		78·1		90·2		24·1	106·5	3rd	73·3	5th	33·2
	IX.—Bombay.																						
20	Deesa	466	29·330	+·027	29·749	29·411	14th	29·224	28th	·187	83·8	105·7	−1·0	75·9	−1·6	90·8	−1·3	29·8	109·8	7th	71·4	19th	38·4
	Bhuj	395	29·394	+·034	29·740	29·474	1st	29·271	28th	·203	83·0	99·7	−1·6	75·4	−1·3	87·6	−1·5	24·3	105·6	3rd	72·0	1st	33·6

N B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

* Mean of 30 days. † Observations of 11 days. ‡ Mean of 27 days. § Mean of 25 days. ‖ Mean of 29 days.

B—*continued.*

in India, etc., in May, 1908—continued.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st May 1908.	Normal rainfall for period 1st to 31st May.	Departure from normal of period 1st to 31st May 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IV.—United Provinces of Agra and Oudh—*contd.*
7	2	3	3	1	4	2	6	3	N 89° W	S 56° W	3·2	4·9	−1·7	12	− 3	37	− 9	·494	−·138	0·3	−0·9	1	1·00	0	0·53	0·31	+ 0·22	0·53	0·31	+0·22	0·52	Cawnpore.
13			5	7	2	2	1	1	S 42° E	N 72° E	2·3	4·0	−1·7	33	+20	41	− 5	·541	−·052	0·7	−0·8	0	1·50	−1·50	0·11	1·01	− 0·90	0·11	1·01	−0·90	0·05	Lucknow.
6		1	11	9			1	3	S 77° E	S 72° E	3·1	4·9	−1·8	53	+ 7	51*	− 6	·681*	−·079	0·9	−0·5	2	2·50	−0·50	1·07	1·95	− 0·88	1·07	1·95	−0·88	0·94	Bahraich.
2	1	1		2	1	8	7	9	W	N 70° W	6·7	4·7	+2·0	54	+14	44	− 8	·399	−·684	1·5	+0·5	1	0·70	+0·30	0·31	0·41	− 0·10	0·31	0·41	−0·10	0·26	Jhansi.
3		3		1		19		5	S 59° W	S 49° W	5·8	6·1	−0·3	53	+14	40	+ 2	·524	−·012	2·3	+1·3	1	1·50	−0·50	0·47	0·56	− 0·09	0·47	0·56	−0·09	0·31	Agra.
	2	1		1		3	2	2	N 72° W	N 84° W	3·6††	2·8	+0·8	36	+21	42	0	·465	−·102	3·5	+2·2	3	1·10	+1·90	0·54	0·43	+ 0·11	0·54	0·43	+0·11	0·32	Mainpuri.
14	1	3	7	1		3	1	1	N 81° E	S 73° E	3·4	4·3	−0·9	20	+ 7	50	+ 2	·604	+·014	1·5	0	1	2·27	−1·27	1·22	0·76	+ 0·46	1·22	0·76	+0·46	1·22	Bareilly.
19	1		3	1		2	5		S 68° W	S 54° E	1·6	2·6	−1·0	10	−11	45	+ 4	·549	+·035	0·4	−1·6	2	1·50	+0·50	0·55	0·60	− 0·05	0·55	0·60	−0·05	0·25	Meerut.
15				11				5	S 45° E	S 45° E	3·5	3·7	−0·2	20	− 9	33	− 7	·401	−·078	0·5	−1·1	1	2·10	−1·10	0·39	0·82	− 0·43	0·39	0·82	−0·43	0·37	Roorkee.
31									(*a*)	N 2° W	2·0††	2·2	−0·2			37	− 9	·378	−·089	1·1	−1·3	1	3·40	−2·40	1·00	1·69	− 0·69	1·00	1·69	−0·69	0·96	Dehra Dun.
																																V.—Punjab.
1	1		1	2	1	6	16	3	S 79° W	S 73° W	5·3	4·4	+0·9	66	+11	32	− 6	·385	−·105	1·0	−1·4	2	2·20	−0·20	0·43	0·72	−0·29	0·43	0·72	−0·29	0·28	Delhi.
9	2	3	1		3	8	3	2	S 66° W	S 39° W	4·7	6·2	−1·5	23	− 2	36	− 1	·420	−·071	2·7	−0·2	3	1·60	+1·40	0·77	0·71	+0·06	0·77	0·71	+0·06	0·41	Sirsa.
5	5		5	9	2		4	1	S 67° E		5·8			23		45		·571		0·3		2			1·28			1·28			0·83	Patiala.
17				10				4	S 45° E	S 89° E	2·7	3·1	−0·4	20	+12	43	− 6	·479	−·117	0·2	−1·0	2	1·70	+0·30	0·77	0·73	+ 0·04	0·77	0·73	+·004	0·42	Ambala.
13	1	4		7		2		3	S 84° E	S 44° E	2·2	2·6	−0·4	14	0	32	− 8	·371	−·144	0·9	−1·0	1	1·60	−0·60	0·46	0·61	− 0·15	0·46	0·61	−0·15	0·35	Ludhiana.
6	5	3	4	5	3	1		4	N 66° E	N 72° E	3·4	3·2	+0·2	23	+ 1	35	− 6	·425	−·076	0·8	−1·0	0	1·50	−1·50	0·06	0·82	− 0·76	0·06	0·82	−0·76	0·04	Lahore.
7	7	7	3	2	1		1	3	N 29° E	N 41° E	3·1	3·1	0	46	+ 7	32	− 9	·391	−·127	1·2	−0·3	1	2·30	−1·30	0·47	1·03	− 0·56	0·47	1·03	−0·56	0·38	Sialkot.
23	1			2			2	3	N 57° W	N 14° E	4·1	3·0	+1·1	10	− 8	33	−11	·362	−·110	1·6	−0·5	1	3·00	−2·00	0·15	1·47	− 1·32	0·15	1·47	−1·32	0·12	Rawalpindi.
1	5	12	3	1	2	3	1	3	N 33° E	N 14° E	8·5	7·0	+1·5	43	+25	39‡	+ 7	·520‡	+·078‡	0·8	−0·3	1	1·20	−0·20	0·39	0·78	− 0·39	0·39	0·78	−0·39	0·25	Khushab.
6	2	2	2	9	4	4	1	1	S 30° E	S 48° E	6·9	7·5	−0·6	33	+19	23	−13	·301	−·219	0·4	−0·8	2	1·00	+1·00	0·69	0·27	+ 0·72	0·99	0·27	+0·72	0·62	Montgomery.
12	5	7	1	4		1		1	N 46° E	S 12° E	1·6	2·6	−1·0	32	+26	35	− 9	·462	−·114	0·5	−0·1	1	0·80	+0·20	0·20	0·30	− 0·10	0·20	0·30	−0·10	0·13	Multan.
																																VI.—North-West Frontier Province
17	1	1		3	2		5	2	S 74° W	N 50° W	2·7	4·6	−1·9	13	+ 2	42	0	·458	−·022	2·0	−0·1	3	1·60	+1·40	0·47	0·75	− 0·28	0·47	0·75	−0·28	0·20	Peshawar.
7	1	7	3	4	1		1	7	N 35° E	N 16° E	2·5	2·4	+0·1	30	+ 5	37	−12	·497	−·174	0·2	−0·7	0	1·00	−1·00	0·02	0·34	−0·32	0·02	0·34	−0·32	0·01	D. I. Khan.
																																VII.—Sind.
4	6	4		2	2			13	N 19° W	S 53° E	5·9	4·7	+1·2	53	+24	49	+ 9	·695	+·112	0·3	−0·6	0	0·30	−0·30	0	0·16	− 0·16	0	0·16	−0·16	0	Jacobabad.
3	1	1			5	20	1		S 39° W	S 45° W	8·8	14·5	−5·7	69	−21	58	+ 1	·692	+·001	0	−1·0	0	0·30	−0·30	0·04	0·18	− 0·14	0·04	0·18	−0·14	0·04	Hyderabad.
2						4	18	7	N 86° W	S 56° W	12·8	16·9	−4·1	86	+32	72	− 5	·848	−·066	3·3	−0·3	0	0	0	0	0	0	0	0	0	0	Kurrachee.
																																VIII.—Rajputana.
	1	4	1	3	2	13	6	1	S 49° W	S 36° W	8·8	7·9	+0·9	46	−19	35	−11	·468	−·173	0·5	−0·6	1	1·50	−0·50	0·21	0·88	− 0·67	0·21	0·88	−0·67	0·21	Bikaner.
1	1			1	3	20	4	1	S 48° W		7·3			76		44		·531		0·7		0	1·20	−1·20	0·11	0·27	− 0·16	0·11	0·27	−0·16	0·09	Jodhpur.
2				1	11	14	3		S 31° W		10·5	11·1	−0·6	80		55	− 7	·671	−·075P	0	−2·5	0	1·10	−1·10	0·05	0·66	− 0·61	0·05	0·66	−0·61	0·05	Pachpadra.
2	3	2	3			1	7	13	N 44° W	S 83° W	7·1††	6·3	+0·8	56	+ 6	32	− 8	·418	−·118	0·5	−1·0	1	1·50	−0·50	0·41	0·49	− 0·08	0·41	0·49	−0·08	0·38	Jaipur.
2	2		3		1	2	16	5	N 81° W	N 84° W	9·0	10·2	−1·2	59	− 6	37	− 4	·502	−·046	1·0	−0·2	0	1·60	−1·60	0·05	0·76	−0·71	0·05	0·76	−0·71	0·03	Sambhar.
2		2			2	10	14	1	S 71° W	S 79° W	11·4§§	8·8	+2·6	69	− 6	43	− 1	·552	−·017	0·8	−0·2	1	1·50	−0·50	0·33	0·61	− 0·28	0·33	0·61	−0·28	0·33	Ajmer.
3	2	2				3	12	9	N 68° W		5·1			69		26		·405		0·2		1	1·20	−0·20	0·14	0·54	−0·40	0·14	0·54	−0·40	0·14	Kotah.
2	2		1		2	6	16	2	S 82° W		8·1			69		45		·586		0·1		1	1·70	−0·70	0·16			0·16			0·15	Udaipur.
																																IX.—Bombay.
2			1	12	16				S 24° W	S 83° W	12·7††	13·4	−0·7	82	+17	62	+ 4	·708	+·009	2·2	−0·2	0	0·55	−0·55	0	0·25	−0·25	0	0·25	−·025	0	Deesa.
				2	13	12	4		S 71° W	S 77° W	16·6	17·4	−0·8	82	− 1	68	+ 5	·767	−·003	0·9	−0·4	0	0·30	−0·30	0	0·09	−0·09	0	0·09	−·009	0	Bhuj.

** Mean of 9 days. †† Mean of 10 days. ‡‡ Uncorrected. §§ Mean of 20 days. (*a*) Indeterminate.

Table

(2) Abstract of observations taken at 8 hrs., at 240 stations

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IX.—Bombay—*concld.*																					
20	Jamnagar	61	29·743		29·749	29·832	5th	29·613	28th	·219	85·1	91·5		76·6		84·0		14·9	99·3	22nd	72·6	19th	26·7
	Dwarka	37?	29·790		29·773	29·870	1st	29·647	28th	·223	82·7	87·3		80·1		83·7		7·2	89·3	28th	77·2	2nd	12·1
	Rajkot	429	29·399*	+·041?	29·779*	29·481	17th	29·278	28th	·203	83·6	104·5	−0·9	73·8	−1·3	89·2	−1·1	30·7	107·9	24th	69·0	6th	38·9
	Veraval	*18*	29·831	+·022	29·791	29·903	14th	29·707	28th	·196	81·5	84·8	−1·9	78·7	+0·3	81·8	−0·8	6·1	86·7	17th & 31st.	75·3	21st	11·4
	Bhavnagar Para	55	29·784	−·001?	29·783	29·866	14th	29·669	28th	·197	84·4	104·9	+2·0?	77·0	−1·5	90·9	+0·3?	27·9	110·7	11th	73·5	18th & 19th.	37·2
	Surat	39	29·806	+·019	29·790	29·890	14th	29·703	28th	·187	84·9	94·4	−3·8	78·0	−0·1	86·2	−2·0	16·4	103·6	2nd	75·1	5th	28·5
	Ahmedabad	163	29·666	+·029	29·779	29·733	14th	29·573	28th	·160	84·3	105·7	−1·4	77·9	−1·6	91·8	−1·5	27·8	109·6	22nd	73·7	18th	35·9
26	Bombay	37	29·852	+·030	29·829	29·922	14th	29·742	28th	·180	83·4	90·4	−0·3	80·3	−0·4	85·4	−0·4	10·1	92·0	18th & 30th.	78·5	1st	13·5
	Ratnagiri	110	29·784	+·041	29·833	29·846	14th	29·700	28th	·146	81·2	89·9	−1·2	79·5	−0·1	84·7	−0·7	10·4	91·8	1st & 30th.	77·9	6th	13·9
	Goa	199	29·714	+·042	29·851	29·778	14th	29·636	28th	·142	83·3	86·6†	−3·4†	81·4	+0·9	84·0†	−1·3†	5·2	88·0	30th & 31st.	80·0	24th	8·0
	Mormugao ‖	*60*	29·836	+·025?	29·831	29·889	14th	29·759	28th	·130	85·2	89·3	−0·7	80·5	−0·6	85·0	−0·7	8·8	93·5	30th	79·2	24th	14·3
	Karwar	44	29·862	+·041	29·840	29·912	17th	29·781	28th	·131	82·7	89·6	−0·2	79·9	+0·2	84·8	0	9·7	91·3	14th & 31st.	76·5	4th	14·8
27	Malegaon	1,430	28·401	+·021	29·770	28·465	14th	28·322	23rd	·143	85·4	104·9	+0·9	73·8	−1·3	89·3	−0·2	31·1	109·4	10th	69·6	25th	39·8
	Ahmednagar	2,154	27·720	+·030	29·792	27·775	2nd	27·640	9th	·135	83·8	102·7	+3·3	71·3	−0·5	87·0	+1·4	31·4	106·4	10th & 22nd.	63·0	24th	43·4
	Poona	1,846	28·028	+·022	29·821	28·099	14th	27·948	28th	·151	79·0	99·2	0	70·5	−1·4	84·9	−0·7	28·7	109·0	6th	66·8	23rd, 24th & 25th.	42·2
	Sholapur	1,590	28·249	+·018	29·775	28·320	4th	28·187	28th	·133	83·9	105·3	+0·5	77·1	+0·3	91·2	+0·4	28·2	109·8	2nd	72·4	13th	37·4
	Bijapur	*1,948*	27·913	+·015	29·795	27·974	14th	27·845	28th	·129	80·3	102·4	+2·1	73·0	−1·7	87·7	+0·2	29·4	107·2	1st & 2nd.	69·2	14th	38·0
	Belgaum	2,539	27·355	+·033	29·825	27·415	4th	27·275	28th	·140	75·1	93·2	+0·2	67·1	−1·1	80·2	−0·5	26·1	102·3	1st	64·6	5 days	37·7
	X.—Central India.																					
21	Neemuch	1,624	28·152	+·020	29·715	28·227	1st	28·066	28th	·161	85·4	102·8	−1·2	77·7	+0·6	90·3	−0·3	25·1	108·0	9th	74·7	1st, 2nd & 13th.	33·3
	Indore	1,823	27·993	+·041?	29·747	28·050	1st	27·908	23rd	·142	85·3	102·3	−0·5	76·0	+0·1	89·2	−0·2	26·3	109·6	11th	70·6	31st	39·0
22	Nowgong	754	28·942	+·004	29·639	29·029	1st & 5th,	28·829	29th	·200	91·0	105·5	+1·1	80·8	+1·0	94·7	+1·1	27·7	113·0	22nd	72·5	14th	40·5
	Sutna	1,040	28·641	−·009	29·621	28·724	14th	28·530	29th	·194	92·0	107·7	+2·2	82·1	+2·8	94·9	+2·5	25·6	112·0	23rd & 27th.	70·7	14th	41·3
	XI.—Central Provinces.																					
23	Buldana	2,132	27·711		29·761	27·776	5th	27·637	9th	·139	83·2	101·5		77·1		89·4		24·4	105·7	9th	73·0	12th, 27th & 30th.	32·7
	Akola	930	28·849	+·015	29·720	28·931	14th	28·761	23rd	·170	83·3	108·5	+0·8	81·1	0	94·8	+0·4	27·4	112·7	2nd & 25th.	77·1	13th	35·6
	Amraoti	1,215	28·560	+·022	29·705	28·629	14th	28·480	9th & 23rd.	·149	90·4	108·2	+0·5	80·3	+0·3	94·3	+0·4	27·9	111·8	21st & 22nd.	74·3	14th	37·5
24	Khandwa	1,044	28·740	+·019	29·733	28·798	16th	28·652	23rd	·146	85·8	106·5	0	81·4	+0·5	94·0	+0·3	25·1	110·7	2nd & 5th.	74·6	14th	36·1
	Hoshangabad	1,006	28·764	+·018	29·713	28·836	4th	28·684	23rd	·152	89·9	107·7	+0·1	80·0	−0·3	93·9	−0·1	27·7	112·6	22nd	72·4	14th	40·2
	Saugor	1,807	27·944	+·009	29·666	28·016	1st	27·863	29th	·153	89·6	105·2	+0·1	80·1	+1·6	92·7	+0·9	25·1	110·1	22nd	73·0	13th & 14th.	37·1
	Jubbulpore	1,327	28·403	+·008	29·661	28·477	1st	28·323	23rd	·154	90·2	107·1	+1·5	79·6	+0·7	93·4	+1·1	27·5	111·0	21st, 22nd & 23rd.	71·3	7th	39·7
	Seoni	2,033	27·741	+·010	29·671	27·849	4th	27·650	23rd	·199	90·0	105·9	+2·0	?	?	?	?	?	110·8	22nd	?	?	?
	Nagpur	1,017	28·722	+·011	29·671	28·827	4th	28·624	9th	·203	92·7	109·8	+0·5	84·3	+2·4	97·1	+1·5	25·5	113·6	21st & 28th.	77·1	7th & 14th,	36·5
25	Pendra	2,123?	27·709		29·629	27·814	4th	27·604	28th	·210	90·3	104·0		79·5		91·8		24·5	107·8	4 days	69·7	14th	38·1
	Raipur	970	28·754	+·007	29·654	28·873	4th	28·639	30th	·234	90·6	108·1	+0·7	77·5*	−4·5?	92·6*	−1·9?	30·6	112·2	29th	63·4	5th	48·8
	Chanda	*634*	29·115	+·014	29·677	29·237	3rd	29·030	28th	·207	94·0	110·5	+1·0	83·2	+1·3	96·9	+1·2	27·3	114·0	24th	77·5	13th	36·5
	XII.—Hyderabad.																					
28	Aurangabad	1,905	27·957*		29·787*	28·021	3rd	27·868	28th	·153	84·9	103·4		74·4		88·9		29·0	107·7	9th, 10th & 23rd.	69·7	12th	38·0
	Nizamabad	1,260	28·551¶		29·745¶	28·614	3rd	28·490	24th	·154	80·7	108·0		82·0		95·0		26·0	111·4	11th	75·2	6th	36·2

N.B.—Elevations in italics indicate barometrical determinations.

‖ Observations of 29 days. * Mean of 30 days. † „ „ 22 „

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau ¶ Mean of 19 days.

B—*continued.*

in India, etc., in May, 1908—continued.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st May 1908.	Normal rainfall for period, 1st to 31st May.	Departure from normal of period, 1st to 31st May 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
						16	15		S 67° W		21·7			92		61		·789		0·6		0			0			0			0	IX—Bombay —*concld.*
					5	17	9		S 51° W		15·3			89		80		·900		2·8		0			0			0			0	Jamnagar.
					1	20	8	1	S 58° W	N 89° W	15·1	14·4	+0·7	89	+ 7	62	− 9	·710	−·115	0·9	−0·7	0	0·60	−0·60	0	0·22	−0·22	0	0·22	−0·22	0	Dwarka.
1					1	11	17	2	S 74° W	N 89° W	18·7	9·4	+4·3	89	+18	86	+ 5	·926	+·020	1·7	−2·3	0	0·10	−0·10	0	0·02	−0·02	0	0·02	−0·02	0	Rajkot.
						20	4	5	S 65° W	S 62° W	8·7	14·1	−5·4	74	− 7	68	+ 2	·797	−·041	2·4	−1·3	0	0·40	−0·40	0·01	0·10	−0·09	0·01	0·10	−0·09	0·01	Veraval.
1		1																														Bhavnagar
2					18	8	2	1	S 20° W	S 52° W	8·9	11·1	−2·2	82	+14	66	− 2	·800	−·047	2·7	−0·7	0	0·30	−0·30	0	0·13	−0·13	0	0·13	−0·13	0	Para. Surat.
					1	20	2	8	S 67° W	S 81° W	6·3	7·0	−0·7	79	+16	60	+ 1	·699	−·055	0·9	−1·8	0	0·50	−0·50	0	0·01	−0·01	0	0·01	−0·01	0	Ahmedabad.
1	1		1	1	1	6	12	8	N 88° W	N 81° W	§8·3	10·1	−1·8	66	+19	73	0	·848	−·036	3·9	−0·2	0	0·70	−0·70	0	0·71	−0·71	0	0·71	−0·71	0	Bombay.
2	11	2		1	2	1	4	10	N 26° W	N 48° W	11·4	9·7	+1·7	59	+ 2	69	0	·812	−·027	3·4	−0·1	0	1·50	−1·50	0·04	1·45	−1·41	0·04	1·45	−1·41	0·03	Ratnagiri.
	9	1			1	2	6	12	N 44° W	N 38° W	§‡10·8	7·9	+2·9	69	+13	75	+ 2	·853	−·016	6·3	+2·3	1			0·15	2·33	−2·18	0·15	2·33	−2·18	0·10	Goa.
2	19	1			1		1	5	N 9° W	N 28° W	§11·4	10·9	+0·5	77	+15	74	− 2	·891	−·019	5·0	+0·4	0			0·04	2·57	−2·53	0·04	2·57	−2·53	0·03	Mormugao.
14	9				1	1		6	N 23° W	N 30° W	§4·7	5·7	−1·0	43	−20	75	− 2 P	·844	−·005	4·6	+0·7	0	3·60	−3·60	0·09	3·28	−3·19	0·09	3·28	−3·19	0·04	Karwar.
7						3	12	9	N 78° W	N 79° W	11·4	13·3	−1·9	66	−14	66	−22 P	·426	−·312?	0·6	−1·5	0	1·20	−1·20	0	0·73	−0·73	0	0·73	−0·73	0	Malegaon.
	4	1		1		2		23	N 41° W	N 34° W	13·1	14·9	−1·8	79	+11	35	−25	·406	−·273?	0·7	−1·4	0	1·80	−1·80	0	0·88	−0·88	0	0·88	−0·88	0	Ahmednagar.
5							22	4	N 8·° W	N 80° W	*§15·3	15·3	0	82	− 1	58	− 1	·526	−·022	2·1	−0·5	0	2·10	−2·10	0	1·33	−1·33	0	1·33	−1·33	0	Poona.
	1	1			1	1	2	25	N 48° W	N 55° W	14·2	11·3	+2·9	89	+13	48	+ 3	·555	+·027	2·7	−0·4	1	2·00	−1·00	0·47	1·00	−0·53	0·47	1·00	−0·53	0·47	Sholapur.
		1			1	5	16	8	N 86° W	N 81° W	12·4	8·3	+4·1	79	+ 2	60	− 4	·615	−·067	2·0	−1·2	1	3·30	−2·30	0·13	1·79	−1·61	0·18	1·79	−1·61	0·10	Bijapur.
9	3	1			1	7	9	1	S 83° W	N 67° W	§‡15·1	17·6	−2·5	46	− 8	70	+ 1	·602	−·015	2·9	−0·8	2	4·70	−2·70	2·16	2·49	−0·33	2·16	2·49	−0·33	1·30	Belgaum.
																																X—Central India.
1	1	1				12	13	3	S 78° W	S 84° W	11·9	12·0	−0·1	76	+ 7	43	− 7	·507	−·131	0·1	−0·8	0	1·00	−1·00	0·03	0·45	−0·42	0·03	0·45	−0·42	0·03	Neemuch.
							25	6	N 82° W	N 71° W	8·7	6·3	+2·4	96	+21	58*	+ 8	·709*	+·089	0·2	−0·9	0	1·20	−1·20	0	0·59	−0·59	0	0·59	−0·59	0	Indore.
4	2			1	1	2	1	17	3	N 88° W	N 82° W	3·7	3·7	0	59	+ 5	36	+ 2	·531	+·041	2·0	+0·6	0	0·90	−0·90	0·05	0·33	−0·28	0·05	0·33	−0·28	0·03	Nowgong.
1	1	1	2			5	14	7	N 81° W	N 73° W	5·8	8·1	−2·3	66	+22	34	+ 5	·495	+·067	5·3	+4·3	1	1·10	−0·10	0·39	0·38	+0·01	0·39	0·38	+0·01	0·22	Sutna.
																																XI—Central Provinces.
	4					1	13	13	N 61° W		13·2	12·2	+1·0	84		41		·458		0·8		0			0·02	0·58	−0·56	0·02	0·58	−0·56	0·02	Buldana.
						1	16	14	N 71° W	N 68° W	10·9	9·6	+1·3	92	+ 6	38	0	·508	−·011	1·1	−0·8	0	0·80	−0·80	0·09	0·43	−0·34	0·09	0·43	−0·34	0·03	Akola.
1						9	15	6	S 86° W	N 77° W	7·9	6·9	+1·0	86	+18	46	+ 7	·659	+·117?	1·5	−0·8	0	1·50	−1·50	0·01	0·63	−0·62	0·01	0·63	−0·62	0·01	Amraoti.
	2						10	19	N 56° W	N 70° W	12·1	10·3	+1·8	92	+ 6	45	+ 2	·561	+·002	1·7	+0·6	0	0·80	−0·30	0	0·35	−0·35	0	0·35	−0·35	0	Khandwa.
3					2	11	12	3	S 70° W	S 66° W	4·8	4·1	+0·7	76	+14	31	−10	·445	−·108	0·8	−0·5	0	1·00	−1·00	0·03	0·55	−0·52	0·03	0·55	−0·52	0·03	Hoshangabad
1	1	1	1	1	1	3	16	6	N 84° W	S 86° W	7·7	5·3	+2·4	66	+16	26	−10	·360	−·126	1·1	−0·1	0	1·00	−1·00	0	0·50	−0·50	0	0·50	−0·50	0	Saugor.
2		1		2	3	5	10	8	S 25° W	S 78° W	3·9	4·3	−0·4	56	+ 2	26	− 7	·375	−·089	1·0	−0·4	0	1·30	−1·30	0	0·55	−0·55	0	0·55	−0·55	0	Jubbulpore.
1	11	4			2	3	2	8	N 24° W	N 39° W	7·1	4·7	+2·4	56	+18	28	− 5	·391	−·070	2·5	+0·7	0	1·90	−1·90	0	0·68	−0·68	0	0·68	−0·68	0	Seoni.
3	5		1	2	2		11	7	N 61° W	N 48° W	6·2	8·0	−1·8	49	+ 2	24	−10	·361	−·153	1·3	−0·9	0	1·40	−1·40	0·07	0·72	−0·65	0·07	0·72	−0·65	0·03	Nagpur.
2	3	2	1	4	9	4	1	5	S 17° W		7·1			23		27		·376		2·3		1			0·16			0·16			0·15	Pendra.
4	1	3	1		1	15	4	2	S 62° W	N 76° W	10·0	8·0	+2·0	46	+ 3	31	− 4	·438	−·074	1·9	−1·2	1	2·30	−1·30	0·23	0·94	−0·71	0·23	0·94	−0·71	0·16	Raipur.
	2			3	4	6	7	9	S 83° W	S 84° W	6·0	4·8	+1·2	49	+26	35	− 1	·565	+·027	1·6	−0·7	0	1·70	−1·70	0	0·74	−0·74	0	0·74	−0·74	0	Chanda.
																																XII.—Hyderabad.
											*																					
	2		1	1		3	15	9	N 75° W		15·8			76		40		·463		0·9		0	1·60	−1·60	0	0·65	−0·65	0	0·65	−0·65	0	Aurangabad.
10		1				8		12	S 74° W		5·4			46		41		·586		1·8		0	1·20	−1·20	0·07	0·33	−0·26	0·07	0·33	−0·26	0·07	Nizamabad.

stations, the elevations of which exceed 3,200 feet.

§ Uncorrected.

* Mean of 30 days.

‡ „ „ 29 „

Table

(2) *Abstract of observations taken at 8 hrs., at 240 stations*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XII.—Hyderabad—*concld.*																						
28	Bidar	*2,165*	27·674		29·746	27·767	5th	27·578	8th	·189	85·2	101·9		79·5		90·7		22·4	106·4	10th	71·7	6th	34·7
29	Gulbarga	1,503	28·831	+·011	29·769	28·414	4th	28·259	9th	·155	84·3	105·5	+0·7	78·2	—0·3	91·9	+0·2	27·3	110·0	1st, 2nd & 11th.	72·3	6th	37·7
	Raichur	*1,311*	28·530	+·027	29·780	28·599	5th	28·462	9th	·137	84·2	104·6	+1·2	78·6	—0·9	91·6	+0·2	26·0	108·1	1st	74·1	4th & 5th	34·0
	Hyderabad (Deccan)	1,690	28·120	+·010	29·728	28·219	4th	28·028	9th	·191	87·7	105·	+1·2	81·8	+3·2	93·4	+2·2	23·2	109·3	10th.	74·7	5th,	34·6
	Hanumkonda	871	28·894		29·695	29·015	3rd	28·796	28th	·219	89·6	106·6		83·2		94·9		23·4	111·0	11th & 28th.	75·2	21st	35·8
	XIII.—Mysore.																						
30	Chitaldroog	2,405	27·494	+·018	29·830	27·553	14th	27·426	28th	·127	76·1	94·9	+1·2	71·0	0	83·0	+0·6	23·9	102·1	1st & 2nd,	66·9	6th	35·2
	Hassan	3,149	26·807	+·024	29·863	26·861	14th	26·729	28th	·132	72·8	88·9	+1·3	66·7	+0·1	77·8	+0·7	22·2	94·4	2nd	63·1	14th	31·3
	Bangalore	3,021	26·913	+·017	29·835	26·970	17th	26·829	28th	·141	74·8	91·3	0	68·4	—0·7	79·9	—0·4	22·9	97·8	1st	62·8	7th	35·0
	Mysore	2,518	27·408	+·013	29·858	27·469	14th	27·323	28th	·146	75·0	90·6	—1·5	68·9	—0·7	79·8	—1·1	21·7	97·0	1st	66·0	7th, 14th & 18th	31·0
	XIV.—Madras.																						
31	Mangalore	65	29·853	+·017	29·830	29·889	14th	29·751	28th	·138	83·6	89·2	—1·1	78·9	+0·1	84·1	—0·5	10·3	91·7	31st	75·4	2nd & 4th.	16·3
	Calicut	27	29·876	+·022	29·832	29·953	17th	29·801	25th	·152	82·5	88·4	—2·0	78·2	+0·3	83·3	—0·9	10·2	91·3	2nd & 3rd,	73·6	4th & 17th,	17·7
	Cochin	9	29·910	+·035	29·847	29·961	17th	29·840	9th	·121	82·1	88·9	—0·7	77·3	—0·3	83·1	—0·5	11·6	92·2	2nd	71·7	4th	20·5
	Trivandrum	138	29·701	+·014	29·830	29·757	30th	29·634	9th	·123	80·8	85·7	—0·8	77·8	—0·7	81·8	—0·7	7·9	89·0	30th	73·0	7th	16·0
32	Tinnevelly	168	29·690	+·008	29·785	29·749	2nd	29·618	28th	·131	88·3	100·2	—0·2	80·1	—0·6	90·2	—0·4	20·1	106·3	29th	75·9	2nd & 7th.	30·4
	Pamban	37	29·792P	—·013P	29·756P	29·839	17th	29·723	9th	·116	85·0	91·2	0	80·8	—0·6	86·0	—0·3	10·4	94·3	1st, 5th & 11th.	79·2	4 days	15·1
	Madura	447	29·411	+·027	29·792	29·479	2nd	29·328	28h	·151	84·9	98·8	—1·3	78·0	+0·5	88·4	—0·4	20·8	103·4	31st	74·1	7th & 24th,	29·3
	Periyakulam	944	28·916		29·798	28·971	2nd	28·842	28th	·129	81·0	90·6†		72·7		81·7†		17·9	98·7	1st	69·2	10th	29·5
	Pudukkottai*	318	29·534		29·781	29·636	13th	29·449	28th	·187	85·4	101·7		79·1		90·4		22·6	106·0	11th	70·1	23rd	35·9
	Negapatam	31	29·795	+·001	29·754	29·873	2nd	29·712	28th	·161	85·7	99·2	+1·9	79·8	—0·4	89·5	+0·8	19·4	104·4	12th & 18th,	75·0	4 days,	29·4
	Trichinopoly	255	29·592	+·014	29·778	29·664	2nd	29·508	28th	·156	85·9	101·7	—0·1	78·8	+0·1	90·3	0	22·9	106·1	29th	71·3	5th	34·8
	Coimbatore	1,318	28·522	+·016	29·816	28·599	17t	28·447	9th & 28th	·152	79·6	94·7	—0·3	73·0	—0·1	83·9	—0·4	21·7	97·9	1st	70·3	7th & 24th.	27·6
	Salem	940	28·936	+·007	29·812	28·990	4th	28·841	28th	·149	83·2	100·0	+0·8	76·8	+0·9	88·4	+0·9	23·2	104·2	1st & 17th	69·4	4th	34·8
	Cuddalore	37	29·783	+·013	29·749	29·869	2nd	29·694	28th	·175	86·5	100·2	+1·4	80·4	+0·3	90·3	+0·9	19·8	107·6	11th & 31st.	76·2	17th	31·4
	Vellore	707	29·130		29·772	29·210	2nd	29·038	28th	·172	86·2	103·6							108·7	29th			
	Madras	22	29·781	—·003	29·733	29·880	2nd	29·671	28th	·209	88·3	100·2	+1·7	82·1	+1·0	91·2	+1·4	18·1	109·5	28th & 31st.	78·0	2nd	31·5
33	Cuddapah	433	29·395	+·017	29·760	29·461	14th	29·309	9th	·152	89·7	106·7	+0·4	83·4	—0·1	95·1	+0·2	23·3	111·7	1st	72·1	18th	39·6
	Bellary	1,475	28·374	+·023	29·787	28·434	14th	28·298	9th	·136	82·6	103·2	+0·8	77·3	—0·2	90·3	+0·3	25·9	110·0	1st	70·3	4th	39·7
	Kurnool	923	28·903	+·015	29·764	28·948	4 days	28·823	9th	·125	84·3	104·4	—0·4	80·1	—0·9	92·3	—0·7	24·3	110·2	1st	70·6	4th & 5th.	39·6
34	Nellore	61	29·732	+·019	29·726	29·810	2nd	29·634	28th	·206	89·7	105·4	—0·6	82·4	+0·4	93·9	—0·1	23·0	112·3	29th	76·6	6th	35·7
	Masulipatam	15	29·778	+·022	29·727	29·905	3rd	29·643	28th	·262	89·6	99·3	—0·8	82·8	+1·2	91·1	+0·2	16·5	113·3	29th & 31st.	77·5	6th	35·7
	Cocanada	26	29·761	+·012	29·723	29·883	2nd	29·624	31st	·259	88·0	99·8	—0·9	82·1	—0·7	91·0	—0·8	17·7	113·1	30th	75·0	7th	38·1
	Waltair (Vizag.)	*226*	29·543	+·006	29·707	29·660	2nd	29·380	30th	·280	86·8	92·1		81·0		86·6		11·1	100·4	31st	73·9	11th	26·5
	Calingapatam	19	29·751		29·711	29·882	4th	29·557	31st	·325													
	Gopalpur	72	29·673	+·022	29·687	29·785	4th	29·505	29th	·280	84·6	90·8	+1·0	80·6	+0·1	85·7	+0·6	10·2	96·7	14th	75·5	13th	21·2

N.B.—Elevations in italics indicate barometrical determinations.
Note.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

B—*continued.*

in India, etc., in May, 1908—continued.

Wind Direction.										Wind Velocity.			Wind Steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Number of winds from																														
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Mean velocity in miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st May 1908.	Normal rainfall for period, 1st to 31st May.	Departure from normal of period, 1st to 31st May 1908.		
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																															XII—Hyderabad—*concld.*	
7	3	2			3	8	5	3	S 80° W		4·6			36		49		·589		1·4		1	2·50	— 1·50	0·43	1·00	— 0·57	0·43	1·00	— 0·57	0·39	Bidar.
	4	1			3	1	6	16	N 55° W	N 44° W	12·7	12·5	+0·2	66	+ 5	46	— 9	·527	−·120	2·6	−0·8	4	2·50	+ 1·50	0·52	1·16	— 0·64	0·52	1·16	— 0·64	0·18	Gulbarga.
1		1	1			8	3	17	N 70° W	N 83° W	11·4	11·5	−0·1	66	— 3	55	+ 1	·616	+·004	3·5	+0·2	1	1·80	— 0·80	0·14	0·72	— 0·58	0·14	0·72	— 0·58	0·14	Raichur.
5		1					16	9	N 72° W	S 82° W	6·4	6·4	0	76	+16	37	−13	·479	−·139	4·0	+1·1	1			0·15	0·99	− 0·84	0·15	0·99	− 0·84	0·15	Hyderabad (Deccan).
3			1	14	4		1	8	S 27° E		9·2*			30		42		·563		2·5		1	1·00	0	0·20			0·20			0·13	Hanumkonda.
																															XIII.—Mysore.	
1						8	15	7	S 88° W	S 81° W	8·5	9·0	−0·5	86	+ 3	71	+ 1	·616	−·018	3·4	−2·1	2	4·60	— 2·60	2·62	3·74	— 1·12	2·62	3·74	— 1·12	2·27	Chitaldroog.
	1	1	1			5	14	9	N 77° W	N 80° W	9·6	4·0	+5·6	71	— 7	78	+ 3	·634	−·005	5·2	−0·5	4	7·80	— 3·80	2·46	5·17	— 2·71	2·46	5·17	— 2·71	1·36	Hassan.
	1		2			8	17	3	S 83° W	S 75° W	8·0	6·3	+1·7	76	— 7	77	+ 1	·664	−·004	3·4	−1·3	7	6·50	+ 0·50	7·20	4·22	+ 2·98	7·20	4·22	+ 2·98	2·62	Bangalore.
2	1				1	12	13	2	S 73° W	S 74° W	9·0	10·2	−1·2	79	+ 3	75	+ 1	·657	−·010	5·4	+0·4	11	8·30	+ 2·70	8·68	3·37	+ 5·31	8·68	3·37	+ 5·31	3·21	Mysore.
																															XIV.—Madras.	
6	10	5	1					9	N 5° W	N 18° E	5·8‡	3·8	+2·0	66	+41	76	− 2	·872	−·004	5·5	−0·9	3	6·90	− 3·90	1·10	6·66	— 5·56	1·10	6·66	—5·56	0·34	Mangalore.
5	3	2				1	1	19	N 38° W	N 15° W	7·6	11·2	−3·6	69	+29	81	+ 2	·902	+·022	5·6	+0·2	5	9·00	− 4·00	1·74	7·78	— 6·04	1·74	7·78	— 6·04	0·41	Calicut.
4	2	10	11	1	1			2	N 63° E	N 29° E	7·1‡	6·2	+0·9	62	+15	80	− 2	·870	−·027	5·4	−0·3	9	12·90	− 3·90	9·02	12·39	— 3·37	9·02	12·39	— 3·37	3·26	Cochin.
5	4	1					5	16	N 44° W	N 18° W	6·7‡	7·1	−0·4	72	+ 4	83	+ 2	·874	+·003	4·8	−1·1	7	10·20	− 3·20	5·35	9·05	— 3·70	5·35	9·05	— 3·70	1·50	Trivandrum.
16						5	7	3	S 84° W	N 75° W	2·3	5·6	−3·3	43	− 5	55	− 6	·730	−·064	5·0	+0·1	2	3·30	− 1·30	1·62	1·37	+ 0·25	1·62	1·37	+ 0·25	1·40	Tinnevelly.
				7	20	3	1		S 41° W	S 22° W	21·2†	11·7	+9·5	89	+16	79		·950		3·5		2	1·20	+ 0·80	1·14	0·55	+ 0·59	1·14	0·55	+ 0·59	0·97	Pamban.
	4	3	2	1		1	10	10	N 48° W	N 38° W	5·9	6·2	−0·3	59	+ 2	63	− 3	·755	−·059	6·0	+2·0	6	4·20	+ 1·80	2·34	2·65	− 0·31	2·34	2·65	− 0·31	0·64	Madura.
30					1				S		2·7			3		66		·698		3·0		5	5·10	− 0·10	3·18	2·73	+ 0·45	3·18	2·73	+ 0·45	1·02	Periyakulam.
2			1	2	6	6	14		N 81° W		9·8			61		66		·807		6·0		2			1·17			1·17			0·94	Pudukkottai.
			1		15	14	1		S 66° W	S 46° W	10·2	7·9	+2·3	89	+17	69	+ 1	·862	−·013	4·1	0	4	2·10	+ 1·90	2·24	1·61	+ 0·63	2·24	1·61	+ 0·63	0·64	Negapatam.
1				2	13	14	1		S 66° W	S 76° W	6·3‡	6·1	+0·2	86	+11	63	− 1	·765	−·016	4·3	−0·1	4	3·50	+ 0·50	3·88	2·94	+ 0·94	3·88	2·94	+ 0·94	2·27	Trichinopoly.
14	1		2	1	13				S 56° W	S 22° W	6·3	4·5	+1·8	46	−22	75	− 5	·742	−·075	2·4	−1·9	3	4·70	− 1·70	0·87	2·28	— 1·41	0·87	2·28	— 1·41	0·31	Coimbatore.
4	2		1		1	9	11	3	S 80° W	S 48° W	5·5	4·1	+1·4	59	+ 9	73	+ 2	·831	+·019	3·8	−0·4	7	7·10	− 0·10	4·88	5·01	— 0·13	4·88	5·01	— 0·13	1·12	Salem.
1				3	11	12	3	1	S 25° W	S 47° W	9·1	2·9	+6·2	76	+ 8	65	− 8	·822	−·122‡	3·9	−0·3	2	1·20	+ 0·80	0·40	0·28	+ 0·12	0·40	0·28	+ 0·12	0·21	Cuddalore.
7		1	1	12	2	1	2	5	S 30° E		4·0			29		59		·740		1·9		6	4·40	+ 1·60	1·96	3·02	— 1.06	1·96	3·02	— 1·06	0·64	Vellore.
1				3	16	3	8		S 22° W	S 41° W	7·4‡	9·1	−1·7	69	− 3	66	+ 2	·885	+·021	3·6	−0·5	0	2·30	— 2·30	0·07	0·90	— 0·83	0·07	0·90	— 0·83	0·07	Madras.
		3		1		15	12		N 64° W	N 89° W				76	+15	52	+ 5	·800	+·061	4·5	+0·9	2	2·50	— 0·50	0·65	1·80	— 1·15	0·65	1·80	— 1·15	0·34	Cuddapah.
5	1				6	13	6		N 87° W	N 74° W	7·9	8·5	−0·6	69	+ 4	54	+ 1	·591	−·032	3·5	−1·2	3	3·20	− 0·20	1·20	1·98	— 0·78	1·20	1·98	— 0·78	0·68	Bellary.
1	1	1			2	7	4	15	N 74° W	N 84° W	10·9‡			62	+26	62	+10	·719	+·048	2·8	−0·6	3	2·90	+ 0·10	2·88	0·95	+ 1·93	2·88	0·95	+ 1·93	1·63	Kurnool.
2				4	8	2	8	7	S 58° W	S 69° W	7·9‡	8·8	−0·9	43	+11	59	− 4	·814	−·068	4·0	−0·2	0	1·60	— 1·60	0·06	0·39	— 0·33	0·06	0·39	— 0·33	0·06	Nellore.
5	2	2		2	14	1	2	3	S 10° W	S 38° W	9·1	8·9	+0·2	37	− 4	76	0	1·040	−·005	5·0	−0·2	0	1·90	— 1·90	0·01	1·27	— 1·26	0·01	1·27	— 1·26	0·01	Masulipatam.
8			1	2	1	12	5	2	S 53° W	S 56° W	7·5	8·1	−0·6	49	− 5	75	+ 5	1·015	+·094?	5·7	+0·7	3	2·80	+ 0·20	0·96	0·93	+ 0·03	0·96	0·93	+ 0·03	0·45	Cocanada.
		2			3	24	2		S 43° W	S 72° W	13·9			79	− 4	68	− 7	·862	−·069	6·1	+0·2	3	3·40	— 0·40	0·94	2·47	— 1·53	0·94	2·47	— 1·53	0·58	Waltair (Vizag.).
		2	1		6	17	3	2	S 42° W		10·2			68						3·0		5			4·44			4·44			1·33	Calingapatam.
3		1	1		7	18	1		S 33° W	S 30° W	18·3	17·5	+0·8	76	+ 8	80	− 4	·941	−·045	2·6	−2·8	1	3·30	−2·30	0·29	2·10	− 1·81	0·29	2·10	— 1·81	0·20	Gopalpur.

* Mean of 29 days. † Mean of 30 days. ‡ Uncorrected.

Table

(2) *Abstract of observations taken at 8 hrs., at 240 stations*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.							Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Stations in the Bay.																						
1	P. V. Fraser	*8*	29·760*		29·685*	29·890	4th	29·568	28th	·292	84·4†												
	Car Nicobar	25	29·868		29·820	29·953	5th	29·779	7th	·174	82·4	87·2		77·2		82·3		10·0	90·2	3rd	74·3	5th	15·9
	Port Blair	58	29·804	+·008	29·792	29·912	3rd	29·687	30th	·225	80·8	86·7	−2·3	76·9	−1·5	81·8	−1·9	9·8	93·2	4th	73·0	10th & 15th.	20·2
	Slipper Island	90	29·747		29·771	29·859	3rd & 4th.	29·601	31st	·258	83·9	89·4		78·9		84·2		10·5	93·6	3rd	73·1	14th	20·5
	Kashmir.																						
14	Srinagar	5,204	24·854	+·006	24·825	24·972	1st	24·735	27th	·237	58·4	73·6	−3·3	51·6	−0·5	62·6	−1·9	22·0	94·1	21st & 26th	46·1	6th	38·0
	Gulmarg‡	*8,569*	21·846		21·814	21·868	31st	21·830	29th	·038	51·4	60·5		37·1		48·9		23·4	61·7	30th	36·3	30th	25·4
	Sonemarg§	*8,764*	21·793		21·761	21·882	1st	21·640	10th	·242	43·1	60·7		36·9		48·8		23·8	72·4	17th	30·1	11th	42·3
	Dras	*10,059*	20·847		20·785	20·920	20th	20·645	10th	·275	42·0	57·8		33·4		45·6		24·4	69·4	26th	25·0	3rd	44·4
	Leh	11,503	19·727	0	19·695	19·820	21st	19·573	10th	·247	46·4	61·6	−2·4	35·9	−0·9	48·8	−1·7	25·7	72·6	27th	29·5	14th	43·1
	Skardu	*7,505*	24·875		22·845	23·015	20th	22·728	10th	·287	54·3	67·3		47·9		57·6		19·4	80·4	26th	41·1	9th	39·3
	Minimarg	*9,359*						Observations not received.															
	Astor	*7,955*														Observations not received.							
	Gilgit	4,890	25·126		25·099	25·301	20th	24·987	4th	·314	64·8	77·8	−7·6	56·9	−4·9	67·3	−6·3	20·9	92·2	17th	51·7	11th	40·5
	Baluchistan.																						
16	Quetta	5,502	24·602	+·018	24·562	24·703	17th	24·518	9th	·185	69·1	82·9	−0·6	49·9	−2·3	66·5	−1·5	33·0	91·6	26th	41·8	12th	49·8
	Chaman	4,311	25·629	−·002	25·591	25·771	17th	25·536	14th	·235	72·9‖	88·4	−5·9	61·2	−4·7	74·8	−5·3	27·2	98·3	26th	51·8	17th & 18th.	46·5
	Robat		25·877‖		26·835‖	27·045	17th	26·686	14th	·359	79·3	95·5		68·4		82·0		27·1	104·0	6th	58·7	17th	45·3
	Hill Stations, excluding Kashmir and Baluchistan.																						
	Chitral	*5,486*									64·8	80·5		52·9		66·8		27·6	91·2	26th	45·0	5th	46·2
	Para Chinar	6,000	24·331		24·298	24·444	1st&21st	24·238	27th	·206	65·8	77·8		54·4		66·1		23·4	87·1	28th	48·0	5th	39·1
	Cherat	*4,256*	25·599	+·006	25·567	25·702	1st	25·503	28th	·199	70·8	82·6	−7·0	63·4	−4·9	73·0	−6·0	19·2	90·1	27th	52·5	4th & 5th.	37·6
	Murree	6,338	23·796	−·001	23·764	23·890	21st	23·660	27th	·230	67·0	74·3	−2·6	58·8	−0·6	66·6	−1·6	15·5	83·5	26th	42·5	13th	41·0
	Kailang	*10,087*	20·985		20·940	21·106	20th	20·855	10th	·251	45·9	59·9	−2·1	37·1	−0·9	48·5	−1·5	22·8	70·2	27th	28·5	13th	41·7
	Simla	7,224	23·082	+·010	23·044	23·190	20th	22·991	10th	·196	63·7	72·6	−0·5	56·4	−0·2	65·5	−0·4	14·2	80·5	27th	44·5	14th	36·0
	Sarais		23·122			23·223	21st	23·068	29th & 31st.	·155	57·9	71·2		49·8		60·5		21·4	81·4	27th	39·3	14th	42·1
	Kalabagh*†		20·131			20·251	20th	20·064	13th	·187	49·2	55·9		43·1		49·7		12·5	63·0	21st	32·6	14th	30·4
	Chakrata	7,022	23·259	+·013	23·219	23·368	20th	23·196	31st	·172	63·7	76·5	+2·2	57·1	+0·5	66·8	+1·4	19·4	84·3	27th	44·7	10th, 11th & 12th.	39·6
	Muktesar	7,592	22·823		22·782	22·915	20th & 21st.	22·758	26th & 28th.	·157	63·4	75·8		55·9		65·9		19·9	83·5	20th	43·9	10th, 11th & 15th.	39·6
	Darjeeling	7,376	22·993	+·012	22·948	23·101	1st	22·917	29th & 31st.	·184	57·7	64·3	+0·5	51·6	−1·0	58·0	−0·3	12·7	69·3	18th	43·2	7th	26·1
	Shillong	4,920	25·071		25·023	25·187	21st	24·960	31st	·227	66·6	73·3		57·9		65·6		15·4	76·9	1st	50·7	8th	26·2
	Cherra Poonjee	4,309	25·642		25·593	25·741	21st	25·515	29th & 30th.	·226	66·0	72·4		61·4		67·0		11·0	75·7	13th, 14th & 15th,	55·3	4th	20·4
	Maymyo	3,515	26·379		26·324	26·474	3rd	26·251	30th	·223	71·5	80·5		65·8		73·2		14·7	89·9	2nd	59·1	10th	30·8
	Pachmarhi	3,528	26·388	+·021	26·335	26·462	10th	26·300	23rd	·162	82·0	96·2	+1·1	76·1	+1·0	86·2	+1·1	20·1	99·2	20th	67·6	15th	31·6
	Mount Abu	3,945	25·990	+·010	25·940	26·061	1st	25·898	28th	·168	77·3	86·7	−1·5	70·5	−0·6	78·6	−1·1	16·2	90·2	3rd, 23rd & 24th.	65·4	30th	24·8
	Mercara	3,781	26·219	+·020	26·152	26·270	17th	26·129	28th	·141	68·0	79·3	−1·0	64·0	−0·9	71·7	−1·0	15·3	85·0	1st, 2nd & 3rd.	60·5	2nd	24·5
	Ootacamund	*7,392*	23·042		22·978	23·095	17th	22·995	6th & 28th.	·100	62·9	70·1		53·2		61·7		16·9	74·0	28th	49·7	14th, 16th & 31st.	24·3
	Kodaikanal	7,688	22·932		22·777	22·879	17th	22·782	7th	·097	61·3	68·7		55·0		61·9		13·7	73·5	28th	51·0	17th	22·5

N.B.—Elevations in italics indicate barometrical determinations.

NOTE. —The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,500 feet.

* Mean of 20 days. ‡ Observations of 3 days.

† „ „ 21 „ §„ „ 28 „

‖ „ „ 30 „ *† „ „ 20 „

B—continued.

in India, etc., in May, 1908—continued.

Wind Direction. Number of winds from Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind Velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentages.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st May 1908.	Normal rainfall for period 1st to 31st May.	Departure from normal of period, 1st to 31st May 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Stations in the Bay.
	1			2	7	10	2		S 28° W¶					77		87†		1·083†		5·3¶		5			4·12			4·12			2·61	P. V. Fraser.
1					2	17	1		S 43° W†		2·4 **			90		85		·939		9·9		13			7·29			7·29			1·70	CarNicobar.
7	1			1	1	7	9	5	S 83° W	S 73° W	8·8	7·4	+1·4	56	−5	85	−2	·858	−·068	8·3	+1·4	22			22·13	17·09	+5·04	22·13	17·09	+5·04	2·69	Port Blair.
3	1			1	2	11	9	4	S 70° W		13·3			66		79		·910		8·6		12			7·94			7·94			1·92	Slipper Island
																																Kashmir.
10	1		3	9	5		1	2	S 38° E	S 49° E	4·3 (2)	4·3	0	37	+1	81	0	·401	−·036	3·5	+0·1	6	5·80	+0·26	1·86	2·60	−0·74	1·86 ††	2·60	−0·74	0·63	Srinagar.
	1						1	1	N 45° W		5·8			100		83		·322		3·7		0			0·08			0·08			0·05	Gulmarg.
18	2	3	3	1	1				N 68° E		3·5			25		77		·219		4·4		11			3·78			3·78			0·67	Sonemarg.
23				1	1				S 21° E		2·6			7		74		·198		3·7		6	6·20	−0·20	2·00	2·82	− 0·82	2·00	2·82	−0·82	0·50	Drae.
19	3		1		3			5	W	S 44° W	4·1 **	3·2	+0·9	13	−32	35	−10	·112	−·029	5·3	+0·6	0	0·90	−0·90	0·06	0·22	− 0·16	0·06	0·22	−0·16	0·05	Leh.
26				2	1	2			S		6·0			12		57		·234		5·4		4	1·90	+2·10	2·55	1·04	+ 1·51	2·55	1·04	+1·51	0·95	Skardu.
																																Minimarg.
																																Astor.
23						1	2		S 75° W		1·7			10		58	+1 4	·345	+·034	5·5	+1·4	6	1·70	+4·30	2·31	0·57	+ 1·74	2·31	0·57	+1·74	0·80	Gilgit.
																																Baluchistan
24	2	1		1	1		1	1	N 11° W	N 80° W	3·5	3·3	+0·2	5	+1	29	−16	·210	−·131	0·3	−0·7	0	1·10	−1·10	0·02	0·40	− 0·38	0·02	0·40	−0·38	0·02	Quetta.
2	1			2	9	13	4		S 33° W	S 32° W	8·1	7·6	+0·5	76	+30	27¶	−3	·220¶	−·086	0·7	+0·1	0	0·10	−0·10	0	0·05	− 0·05	0	0·05	−0·05	0	Chaman.
6	2	4				9	15		N 82° W		8·5			49		53		·525		0		0			0			0			0	Robat.
																																Hill Stations excluding Kashmir and Baluchistan.
25		6							N 45° E		5·5			19		55		·327		2·3		2			1·68			1·68			1·50	Chitral.
31									(a)		5·4					47		·293		2·9		8	6·50	+1·50	2·76	2·02	+ 0·74	2·76	2·02	+0·74	0·89	Para Chinar.
9	3			1				18	N 39° W	N 6° W	9·7	12·1	−2·4	62	+15	37	+ 3	·268	−·026	0·6	−1·6	4			0·78	1·21	− 0·43	0·78	1·21	−0·43	0·26	Cherat.
8	7	2	6	4	4				N 81° E	N 7° E	7·5 **	8·0	−0·5	33	+18	39	0	·257	0	1·1	−1·7	5	6·30	−1·30	2·51	2·97	− 0·46	2·51	2·97	−0·46	1·24	Murree.
	1	2	1	1	3	12	9	2	S 63° W		1·9	2·2	−0·3	58		55		·170		3·5		6			2·05	2·58	− 0·53	2·05	2·58	−0·53	0·65	Kailang.
3	13			2	10	1		2	N 19° W	N 37° E	5·7	6·0	−0·3	7	−16	35	−10	·203	−·064	1·4	−1·4	4	5·20	−1·20	1·90	3·06	− 1·16	1·90	3·06	−1·16	0·90	Simla.
12	2	1	1	1	8	5		1	S 13° W		3·0 §§			29		52		·245		2·3		4			1·52			1·52 ††			0·77	Sarain.
2	6	1	1		7	2		1	S 16° W		7·5			4		41		·143		1·6		2			0·52			0·52 ‡‡			0·34	Kalabagh.
9	13	1			4			4	N 10° W	N 21° E	7·0	7·8	−0·8	43	+33	41	−6	·235	−·045	1·4	−0·5	3	5·90	−2·90	1·76	2·43	−0·67	1·76	2·43	−0·67	1·03	Chakrata.
10	1	1	2		1		16		N 87° W		8·3			43		37		·208		2·7		2			1·85			1·85			1·29	Muktesar.
7	2	3	3	2			9	2	N 72° W	S 59° W	5·9	6·8	−0·9	23	+12	83	−7	·404	−·025	6·3	−0·4	15	13·43	+1·57	10·24	8·78	+ 1·46	10·24	8·78	+1·46	1·63	Darjeeling.
23					1	7			S 40° W		5·7			27		72		·467		5·5		18	17·80	+0·20	10·01	10·15	− 0·14	10·01	10·15	−0·14	3·05	Shillong.
3	3	7	4			10	2	2	N 33° W		5·7			10		88		·565		6·0		16	21·10	−5·10	34·70	49·93	−15·23	34·70	49·93	−15·23	14·00	Cherra Poonjee.
12		2	1	1	3	7	4	1	S 45° W		1·6			33		83		·648		3·5		16	12·80	+3·20	13·24	10·40	+ 2·84	13·24	10·40	+2·84	4·15	Maymyo.
	1	1				2	11	16	N 63 W	N 81° W	9·4	7·5	+1·9	82	+19	31	−6	·335	−·072	0·6	−1·4	0	1·30	−1·30	0	0·50	− 0·50	0	0·50	−0·50	0	Pachmarni.
		1			2	13	11	4	S 71° W	S 72° W	10·9	1·8	+0·1	76	+ 8	36	−4	·327	−·033	0·1	−0·7	0	1·30	−1·30	0	0·99	− 0·99	0	0·99	−0·99	0	Mount Abu.
1	1	1	1				8	16	N 48° W	N 45° W	4·9	5·3	−0·4	76	+11	87	+2	·587	−·025	7·4	+1·3	7	9·00	−2·00	5·52	5·78	− 0·26	5·52	5·78	−0·26	2·08	Mercara.
6	4	4	9	3			2	3	N 55° E		3·6 **			40		63		·368		3·2		9	9·70	−0·70	6·87	5·93	+ 0·94	6·87	5·93	+0·94	1·56	Ootacamund.
	5	7	5		4		1	9	N 12° E		11·4			40		68		·371		4·0		10	9·30	+0·70	5·06	6·47	− 1·41	5·06	6·47	−1·41	1·32	Kodaikanal.

† Mean of 21 days.
|| " " 2 "
¶ Mean of 22 days.
** Uncorrected.
(a) Indeterminate.
†† Since 29th May 1908.
‡‡ " 22th "

Table

(2) *Abstract of observations taken at 8 hrs.*

Num. of sub-division	Station	Elevation of bar. cistern above sea-level in feet.	Pressure, 8 hrs., in inches. Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Temperature of air. Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Extra India.																						
	Singapore (a)	10	29·925		29·856	30·003	2nd	29·842	30th	·161	85·4	89·3		76·4		82·9		12·9	92·4	16th	74·0	6th & 7th.	18·4
	Penang (a)	20	29·914		29·859	29·990	15th	29·833	30th	·157	82·5	90·4		75·0		82·7		15·4	93·0	9th & 15th.	72·0	26th	21·0
	Trincomalee	12	29·863?	+·051?	29·801?	29·928	21st	29·790	9th	·138	79·7	92·2	−0·8	78·7	−0·1	85·5	−0·5	13·5	95·0	3rd, 26th & 27th.	74·5	13th	20·5
	Colombo	40	29·871	+·015	29·837	29·932	17th	29·787	9th	·145	79·8	87·8	−0·2	77·5	0·9	82·7	−0·6	10·3	90·5	1st	70·0	10th	20·5
	Minicoy	7	29·936			30·003	17th	29·880	28th	·123													
	Amini Divi	*13*	29·901	+·020	29·842	29·967	17th	29·819	28th	·148	84·7	91·0	+0·9	81·0	+0·4	86·0	+0·7	10·0	95·0	31st	74·0	5th	21·0
	Gyantse	13,120	18·516			18·638	17th	18·426	6th	·212	48·9	68·6		33·4		51·0		35·2	78·5	21st	26·7	9th	51·8
	Pharijong	14,400	17·906			18·031	18th	17·803	30th	·228	39·1	57·4		26·7		42·1		30·7	68·1	18th	16·5	15th	51·6
	Gangtok†	5,660?	24·379			24·499	21st	24·274	29th	·225	64·7	71·8‡		57·0		64·4‡		11·8	76·3	18th	48·8	15th	27·5
	Gartok	15,100?						Observatory not opened.															
	Kashgar (c)	4,255	25·531			25·830	1st	25·310	26th	·520	68·3	82·6	+1·8	56·9	−1·2	69·8	+0·3	25·7	93·3	26th	45·5	1st	47·8
	Kabul		24·231		24·200	24·375	21st	24·134	10th	·241	66·8	80·7	−1·9	50·2	−3·0	65·5	−2·5	30·5	88·1	26th	40·9	4th	47·2
	Meshed	3,104	26·788			27·041	26th	26·512	13th	·529	61·8	78·1 ¶		48·0 ¶	−9·1	63·1 ¶		30·1	92·4	14th	37·8	26th	54·6
	Jask ‖	13	29·766	+·015	29·736	29·957	17th	29·634	28th	·323	84·1	91·9	−0·6	77·0 ¶	−0·8	84·7 ¶	−0·7	14·3	98·3	28th	74·3	11th	24·0
	Muscat**	20	29·777	+·051	29·743	29·959	17th	29·635	28th	·324	90·4	99·0	+7·2	85·9	−0·1	92·5	+3·6	13·1	108·3	27th	80·6	18th	27·7
	Bahrein	18	29·871		29·841	30·038	8th	29·716	29th	·322	83·7	?		78·7		?		?	?	?	72·3	17th	?
	Bushire	14	29·832	+·065	29·805	29·989	17th	29·654	30th	·335	81·0	86·9	−2·2	76·0	+0·7	81·5	−0·8	10·9	88·1	13th	68·1	14th, 16th & 17th.	30·0
	Busrah	25	29·878		29·862	30·039	17th	29·709	30th	·330	80·9	93·3		72·1		82·7		21·2	103·6	31st	64·1	3rd	39·5
	Ispahan (b) (f)	*5,817*	24·305			24·450	18th & 26th.	24·060	13th & 14th.	·390	60·3	79·4	−4·7	52·7	−1·4	66·1	−3·1	26·7	88·4	23rd	42·2	16th	46·2
	Tehran (b)	*4,009*	25·812			26·000	26th	25·500	13th	·500	64·3	83·2	+0·5	55·9	−3·5	69·6	−1·6	27·3	91·5	12th	42·7	15th	48·8
	Baghdad	220									76·9	94·5	+2·8	68·9	+1·0	81·7	+1·9	25·6	104·8	30th	60·5	1st & 14th.	44·3
	Beirut (d)				29·936						72·6	79·6		64·5		72·1		15·1	88·6	31st	55·0	1st	33·6
	Aden	94	29·821	+·053	29·846	29·911	2nd	29·709	31st	·202	85·3	93·0	−0·3	80·4	−0·4	86·7	−0·4	12·6	97·3	6th & 7th.	75·9	3rd, 21st & 22nd.	21·4
	Perim	201	29·650	+·019	29·785	29·743	2nd	29·539	31st	·204	84·8	90·4	−2·1	81·0	−0·9	85·8	−1·5	9·4	95·7	30th	79·2	2nd	16·5
	Zanzibar	72	30·041	+·033	30·040	30·112	26th	29·909	4th	·203	76·7	81·6	−0·8	75·0	−0·6	78·3	−0·7	6·6	85·7	1st	72·0	13th	13·7
	Do. Dunga	*154*	29·878		29·952	29·970	26th	29·821	4 days	·149	74·9	80·9		74·5		77·7		6·4	85·0	1st & 2nd.	71·8	13th & 29th.	13·2

N.B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

(a) 9 hrs. observations.

(b) Aneroid uncorrected.

† Mean of 24 days.

(c) Aneroid corrected.

(f) 7 hrs. observations.

(d) 8½ hrs. observations.

B—*concluded.*

at 240 stations in India, etc., in May, 1908—concluded.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st May 1908.	Normal rainfall for period, 1st to 31st May.	Departure from normal of period, 1st to 31st May 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Extra India.
13	2	2	1	5	3	4		1	S 25° E		4·7 *			20						5·6		10			8·06			8·06			1·92	Singapore.
	3	6	11	2	4		2	3	N 73° E		9·6 *			46						3·2		15			15·53			15·53			3·10	Penang.
2					3	26			S 41° W	S 45° W	6·1 *	12·1	−5·7	89	− 8	84	+6	·859	−·059	3·2	+0·7	2			1·96	2·46	−0·50	1·96	2·46	− 0·50	1·00	Trincomalee.
				3	2	23	3		S 40° W	S 45° W	7·5	9·2	−1·7	86	+8	96	+12	·918	+·004	5·7	−0·6	14			10·27	11·12	− 0·85	10·27	11·12	− 0·85	2·72	Colombo.
	5					1	6	19	N 48° W	N 69° W	6·8	10·2	−3·4	87	+11					4·3	−1·0	9			5·94	6·40	− 0·46	5·94	6·40	− 0·46	3·05	Minicoy.
1	2	2				2	2	22	N 45° W					81		75		·892		5·1		3			2·89	4·10	1·21	2·89	4·10	−1·21	1·10	Amini Divi.
			4	15	10	2			S 31° E		3·7			81		66		·232		0		0			0·02			0·02			0·02	Gyantse.
		1	3	7	5	1		4	S 45° E		9·7			42		92		·222		6·3		7			9·75			9·75			4·00	Pharijong.
22						1			S 45° W		4·3‡			4		82		·503		2·9		23			12·50			12·50			2·18	Gangtok. †
											Observatory not opened.																					Gartok.
25								6	N 45° W	N 50° W	3·2	4·5	−1·3	26	+13	32	−12	·225	−·076	1·7	−1·5	0			0	0·88	− 0·88	0	0·88	− 0·88	0	Kashgar.
			1		7	11	9	2	S 53° W §	N 34° W				70	+59	49		·319		1·7	+1·0	0			0·12	0·54	− 0·42	0·12	0·54	− 0·42	0·07	Kabul.
18	4	1	1	2	1		1	3	N		1·9 ¶			12		59		·317		0·9		0			2·00	0·74	+ 1·26	2·00	0·74	+ 1·26	0·60	Meshed.
8			1	3			5	6	N 27° W	N 60° E	8·8	11·0	−2·2	7	+1	65	−3	·800	−·023	0	−0·7	0			0	0	0	0	0	0	0	Jask. ‖
17	1					2	6		N 50° W	N 36° W	4·4	4·3	+0·1	31	−11	52	−10	·733	−·085	0·3	−0·1	0			0	0	0	0	0	0	0	Muscat. **
	2	3	1			1	8	16	N 49° W		7·7			74		67		·777		0		0			0			0			0	Bahrein.
2	4	9	9	1	1		3	12	N 16° W	N 25° W	12·3	9·4	+2·9	49	− 6	70	+10	·734	+·091	1·9	+0·5	0			0·07	0	+ 0·07	0·07	0	+ 0·07	0·07	Bushire.
1	4		1	1	2	3	11	8	N 74° W		5·7			55		58		·611		2·0		1			0·25			0·25			0·25	Buarah.
22	3	1		1		1	3		N 45° W	N 58° W	2·9	4·6	−1·7	10	−38	55	− 6	·293	−·153	1·5	−0·2	1			0·23	0·11	+ 0·12	0·23	0·11	+ 0·12	0·23	Ispahan.
	1	12	5	5	1	3	4		N 75° E	S 46° W	5·8	3·0	+2·2	36	+20	61	+21	·372	+·066	0·8	−1·9	1			0·36	0·33	+ 0·03	0·36	0·33	+ 0·03	0·21	Tehran.
15	5	1		1	1	1	2	5	N 36° W	N 1° E	7·0	4·0	+3·0	29	−16	51	− 5	·476	−·031	1·0	+0·2	0			0·11	0·24	− 0·13	0·11	0·24	− 0·13	0·06	Baghdad.
2	1	3	1	1		18		5	S 61° W					4		70		·571		1·3		2			0·68			0·68			0·44	Beirut.
7		17		5	1			1	N 61° E	S 87° E	9·7	11·2	−1·5	56	+17	76	+ 1	·913	−·005	3·3	+0·3	0			0	0·19	− 0·19	0	0·19	− 0·19	0	Aden.
	4		3	5	11		1	4	S 15° E	S 59° E	12·4	13·7	−1·3	36	+11	77	0	·924	−·014			0			0	0·37	− 0·37	0	0·37	− 0·37	0	Perim.
1					18	11	1		S 19° W	S 7° W	9·2	8·1	+1·1	90	+ 3	85	− 1	·777	−·030	7·6	+1·2	14			13·93	10·62	+ 3·31	13·93	10·62	+ 3·31	2·85	Zanzibar.
4						25	2		S 48° W		5·3			87		91		·794		0		15			13·86			13·86			1·43	Do. Dunga.

† Mean of 23 days.
§ " 30 "
‡ " 29 "

* Uncorrected.

¶ Mean of 27 days.
** " 26 "

Table C.—Abstract of observations taken at 8 hrs., at 27 fourth-class stations in India, etc., in May, 1908.

Table

Abstract of observations taken at 8 hrs.

Number of subdivision.	Station.	Temperature of air.													Wind direction.									
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	II.—Eastern Bengal and Assam.																								
4	Bishnath	74·4	88·1	...	65·5	...	76·8	...	2·.6	94·9	18th	59·7	7th	35·2	...	...	..	...	...	...	...	...	...	...	...
	Borjuli	76·5	87·9	...	69·6	...	78·8	...	18·3	94·0	31st	64·6	8th	29·4	...	...	...	..	...	...	...	...	...	...	...
	Chandkhira	79·3	91·4	...	70·8	...	81·1	...	20·6	96·8	17th	64·7	7th & 8th.	32·1	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	72·6	81·9	...	67·9	...	74·9	...	14·0	95·9	30th	62·8	9th	33·1	...	...	...	...	...	...	...	...	...	...	...
	Dikom	74·8	85·7	...	70·2	...	78·0	...	15·5	95·4	30th	64·8	9th	30·6	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	77·4	87·3	...	70·7	...	79·0	...	16·6	94·2	18th	64·9	9th	29·3	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	74·9	91·1	...	72·1	...	81·6	...	19·0	96·0	15th	65·0	7th	31·0	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	77·1	87·0	...	71·3	...	79·2	...	15·7	93·9	18th	65·8	9th	28·1	...	...	...	...	...	...	...	...	...	...	...
	Messa	79·9	92·8	...	69·2	...	81·0	...	23·6	99·1	17th	64·5	6th	34·6	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	70·6	85·6	...	68·6	...	77·1	...	17·0	90·9	30th	62·9	8th	28·0	...	...	...	...	...	...	...	...	...	...	...
	Srimangal	80·7	92·3	...	72·0	...	82·2	...	20·3	96·8	14th	64·8	8th	32·0	...	...	...	...	...	...	...	...	...	...	...
5	Brahmanbaria	81·3	91·6	...	74·5	...	83·1	...	17·1	97·0	15th	66·9	7th & 8th.	30·1	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	74·5	91·4	...	69·4	...	80·4	...	22·0	101·7	4th	61·9	7th	39·8	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	82·7	93·5	...	72·7	...	83·1	...	20·8	100·4	3rd	65·4	6th	34·0	..	...	...	...	...	...	...	...	...	...	...
	Kalchini	78·0	88·1	...	69·6	...	78·9	...	18·5	95·5	16th	63·4	7th	32·1	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	74·8	88·1	...	69·7	...	78·9	...	18·4	93·1	17th & 18th.	61·9	7th	31·2	...	...	...	...	...	...	...	...	...	...	...
	Pabna	83·1	95·8	...	73·2	...	83·5	...	22·6	103·2	2nd	64·3	3rd	38·9	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
6	Fraserganj	84·1	...	...	...	...	...	...	...	...	...	...	...	...	...	15	...	...	...	16	...	...	...	W	...
	XI.—Central Provinces.																								
24	Chhindwara								Observatory not opened.																
	Hill Stations.																								
	Panighatta	79·6	88·4	...	70·1	...	79·3	...	18·3	95·5	1st	60·3	6th	35·2	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	66·2	73·6	...	60·4	...	67·0	...	13·2	78·5	1st	48·8	14th	29·7	...	...	...	...	...	...	...	...	...	...	...
	Poo *	...	64·0	...	52·3	...	58·2	...	11·7	73·7	27th	38·7	13th	35·0	26	...	...	...	...	1	3	...	...	S 34° W	...
	Karjil	49·0	68·8	...	44·0	...	56·5	...	24·8	77·9	26th	39·6	11th	38·3	...	4	6	2	...	...	6	7	6	N 48° W	...
	Killa Drosh	63·8	78·4	...	58·2	...	68·3	...	20·2	90·2	26th	50·0	1st, 4th & 17th.	40·2	19	...	10	...	1	...	1	...	...	N 49° E	...
	Pishin	...	84·7	...	51·5	...	68·1	...	33·2	93·9	26th	43·1	1st	50·8	...	...	...	...	...	...	...	...	...	...	...
	Kalat	65·3	79·6 (b)	−5·8	43·1	−0·2	61·4	...	36·5	90·1	26th	34·9	12th	55·2	...	15	...	1	...	15	...	...	...	E	...
	Extra India.																								
	Maidan Minaftun	... (a)	102·5	...	...	...	...	...	...	113·9	29th	...	...	...	5	...	2	...	...	...	10	13	...	S 71° W	...
	Birjand	60·1	79·4	...	56·4	...	67·9	...	23·0	86·5	25th	43·7	10th	42·8	13	4	5	4	...	...	...	5	...	N 21° E	...
	Chumbi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

(a) Mean of 30 days. (b) Mean of 21 days and uncorrected. * Observations of 30 days.

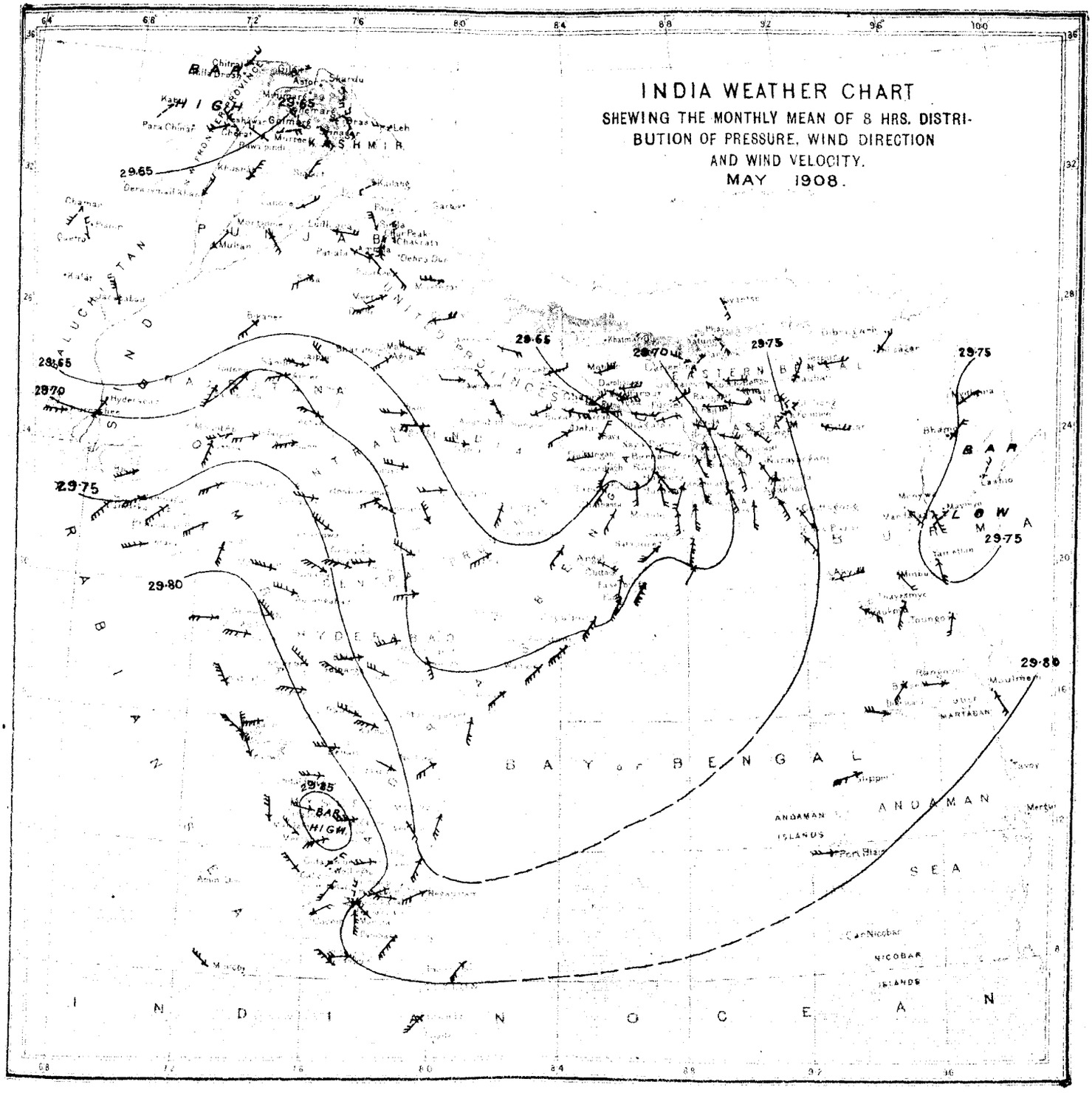
C.

at 27 fourth-class stations in India, etc., in May, 1908.

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Mean velocity, miles per hour.	Normal.	Percentage departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st May 1908.	Normal rainfall for period, 1st to 31st May.	Departure from normal of period, 1st to 31st May 1908.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Eastern Bengal and Assam.
...	...	...	.	...	96	...	·815	...	...	...	15	...	...	9·59	...	...	9·59	...	...	2·80	Bishnath.
...	...	...	...	...	83	...	·762	...	...	...	14	...	...	9·78	...	...	9·78	...	...	3·45	Borjuli.
...	...	...	...	..	83	...	·832	...	...	...	13	...	...	7·68	...	...	7·68	...	...	1·91	Chandkhira.
...	...	...	...	...	96	...	·778	...	...	...	15	...	...	15·13	...	...	15·13	...	...	4·24	Doom Dooma.
...	...	...	...	...	88	...	·766	...	...	...	16	...	...	14·10	...	...	14·10	...	...	2·26	Dikom.
...	...	...	...	...	90	...	·861	...	...	...	9	...	...	5·42	...	...	5·42	...	...	1·54	Golaghat.
...	...	...	...	...	89	...	·769	...	...	...	10	...	...	7·89	...	...	7·89	...	...	2·70	Hailakandi.
...	...	...	...	...	84	...	·775	...	...	...	13	...	...	8·53	...	...	8·53	...	...	1·41	Jorehat.
...	...	...	...	...	80	...	·838	...	...	...	9	...	...	6·85	...	...	6	...	...	1·68	Messa.
...	...	...	...	...	94	...	·704	...	...	...	15	...	...	9·64	...	...	9·64	...	...	2·01	Panerihat.
...	...	...	...	...	81	...	·835	...	...	...	11	...	...	11·83	...	...	11·83	,	...	2·81	Srimangal.
...	...	...	...	...	81	...	·867	...	...	...	9	...	...	10·44	...	...	10·44	..	...	4·53	Brahmanbaria.
...	...	...	...	...	88	...	·756	...	...	...	18	...	...	21·89	...	...	21·89	...	...	3·87	Dam Dim.
...	...	...	...	...	77	...	·859	...	...	...	11	...	...	5·20	...	...	5·20	...	...	1·40	Goalundo.
...	...	...	...	...	84 (a)	...	·826 (a)		...	...	15	...	...	24·96	...	...	24·96	...	...	3·96	Kalchini.
...	...	...	...	...	86	...	·749	...	...	...	19	...	...	21·92	...	..	21·92	...	...	4·94	Nagrakata.
...	...	...	...	...	81	...	·934	...	...	...	6	...	...	·38	...	...	4·38	...	...	1·40	Pabna.
																					III.—Bengal.
...	...	...	2	...	88	...	1·029	...	...	...	5	...	...	4·09	...	...	4·09	...	...	1·55	Fraserganj.
																					XI.—Central Provinces.
							Obser	vatory	not o	pened.											Chhindwara.
																					Hill Stations.
...	...	...	...	...	67	...	·677	...	...	...	17	...	...	17·90	...	...	17·90	...	...	3·50	Panighatta.
...	...	...	...	...	76	...	·487	...	...	...	15	...	...	15·10	...	...	15·10	...	...	5·71	Kurseong.
...	...	...	13	...	...	...	...	...	3·7	...	3	...	...	0·79	0·71	+0·08	0·79	0·71	+0·08	0·47	Poo.
...	...	...	39	...	76	...	·265	...	3·5	...	4	...	...	2·32	...	...	2·32	...	...	0·97	Kargil.
...	...	...	29	...	52	...	·303	...	2·6	...	2	...	...	1·78	...	...	1·78	...	...	1·52	Killa Drosh.
...	...	...	...	...	...	...	...	...	0·3	...	0	...	...	0·03	0·19	−0·16	0·03	0·19	−0·16	0·03	Pishin.
...	...	...	3	...	42	...	·267	...	... (a)	...	0	...	...	0	...	...	0	...	...	0	Kalat.
																					Extra India.
...	...	...	72	...	... (a)	...	... (a)	...	1·1	...	1	...	...	0·15	...	...	0·15	...	...	0·10	Maidan Minaltum. ‡
...	...	...	26	...	29	...	·197	...	2·3	...	0	...	...	0	...	...	0	...	...	0	Brijand.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chumbi.

‡ Wind variable 1.

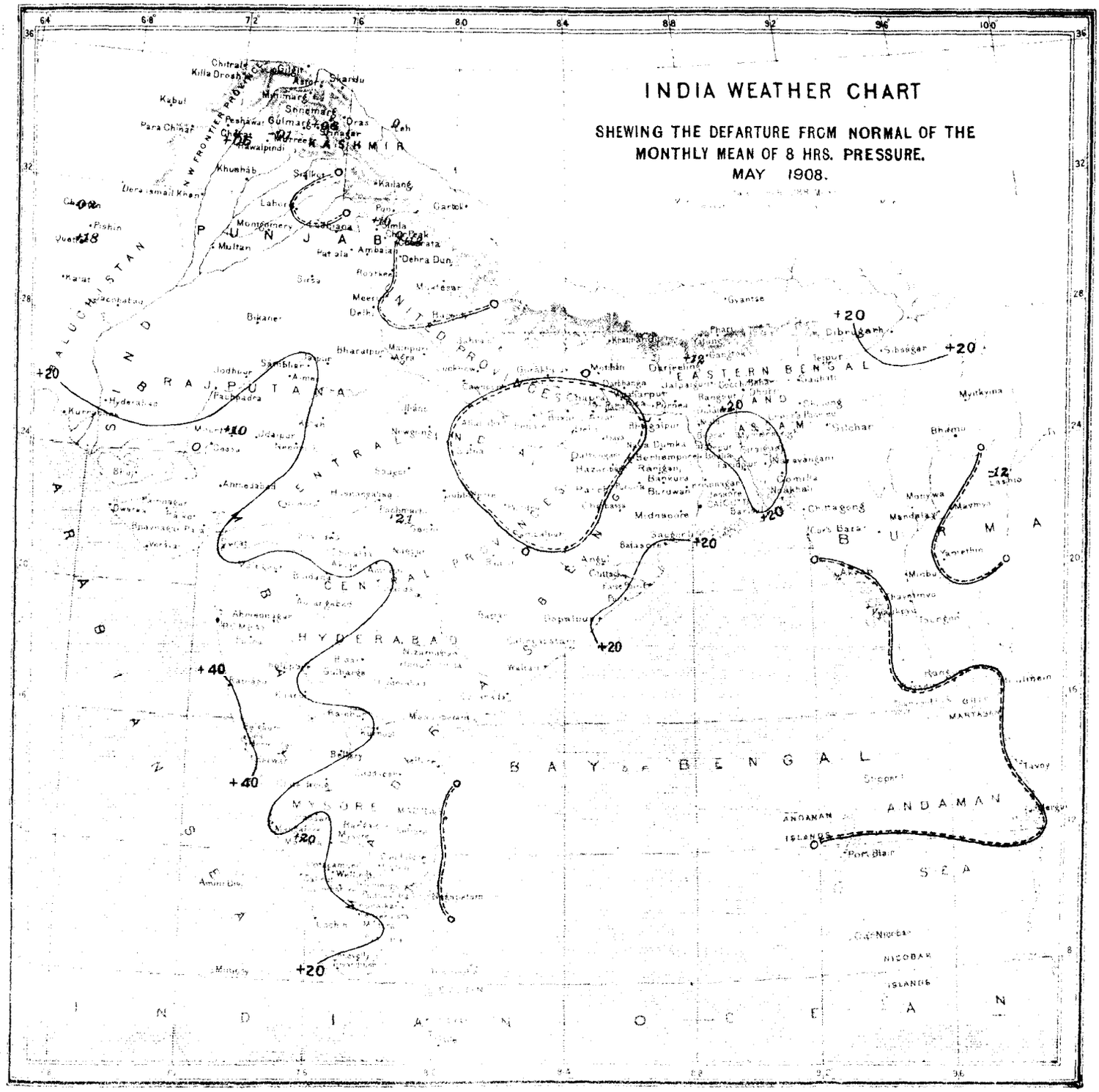
CALCUTTA : PRINTED BY SUPDT. GOVT. PRINTING, INDIA, 8, HASTINGS STREET.



The lines of the above chart represent isobars or lines of equal barometric pressure, the numbers attached indicating the barometric pressure in inches and being drawn for differences of pressure of .05 inch. The isobars in the Bay of Bengal are filled in by means of the shore observations, and by comparison with the normal distribution of pressure

The mean 8 hrs. wind directions of the month are shewn by means of arrows flying with the wind, and are calculated by means of Lambert's formula applied to the winds as given in Table B of the 8 hrs. observations. The mean wind directions for the hill stations are indicated by broken arrows to distinguish them from the wind arrows for the plain stations. The mean velocity of the winds during the month is shewn by the following notation:—

Velocity of	0 to 2	miles per hour	...	one	feather	added to the wind arrow.						
,,	,, 2 to 5	,,	,,	,,	...	two	feathers	,,	,,	,,	,,	
,,	,, 5 to 10	,,	,,	,,	...	three	,,	,,	,,	,,	,,	
,,	,, 10 to 20	,,	,,	,,	...	four	,,	,,	,,	,,	,,	
	over 20	,,	,,	,,	...	five	,,	,,	,,	,,	,,	



LITHO. BY S.B. MUNDLE.

The chart shows the departure from normal of the mean during the month of 8 hrs. pressure by means of lines drawn for equal amounts of departure. The numbers are given in thousandths of an inch, 20 representing ·020" or two hundredths of an inch, &c. Continuous lines indicate that the pressure was in excess by amounts indicated by the numbers attached to the lines, and broken or dotted lines that it was in defect by amounts indicated by the numbers attached to the lines. Two parallel lines near to each other, one continuous and the other broken or dotted, represent the line of no departure, the dotted line facing the area of deficient pressure or negative departures.

Reg. No. 1653 E. 08.—Dir. Genl., Observatories.—May 08.—2,050.

Zinco, S. I. O., Calcutta.

PLATE III.

CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MAXIMUM TEMPERATURE.

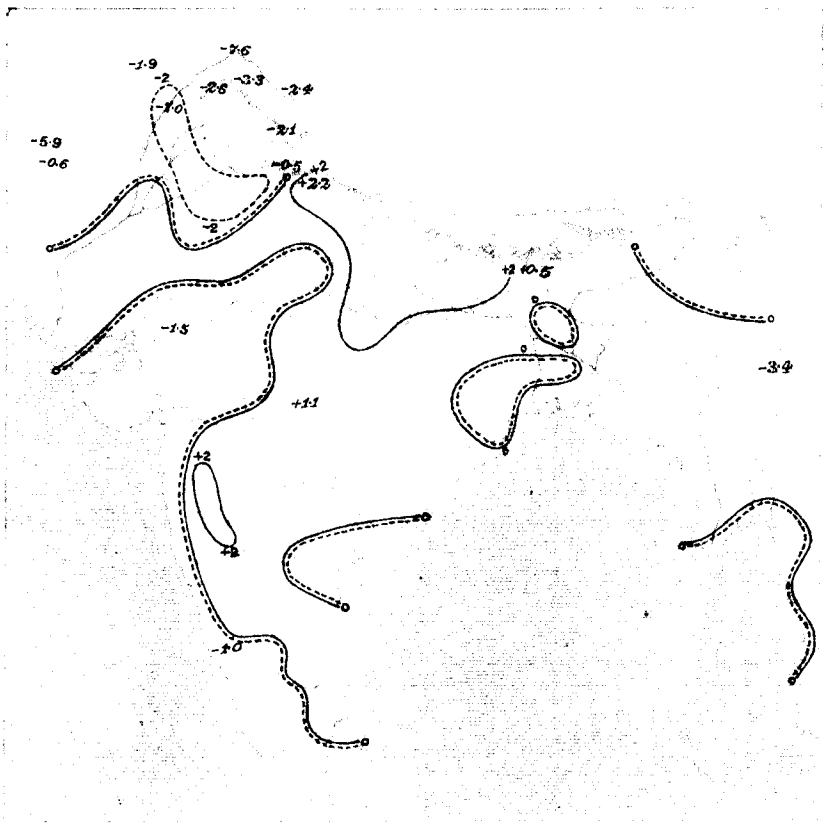
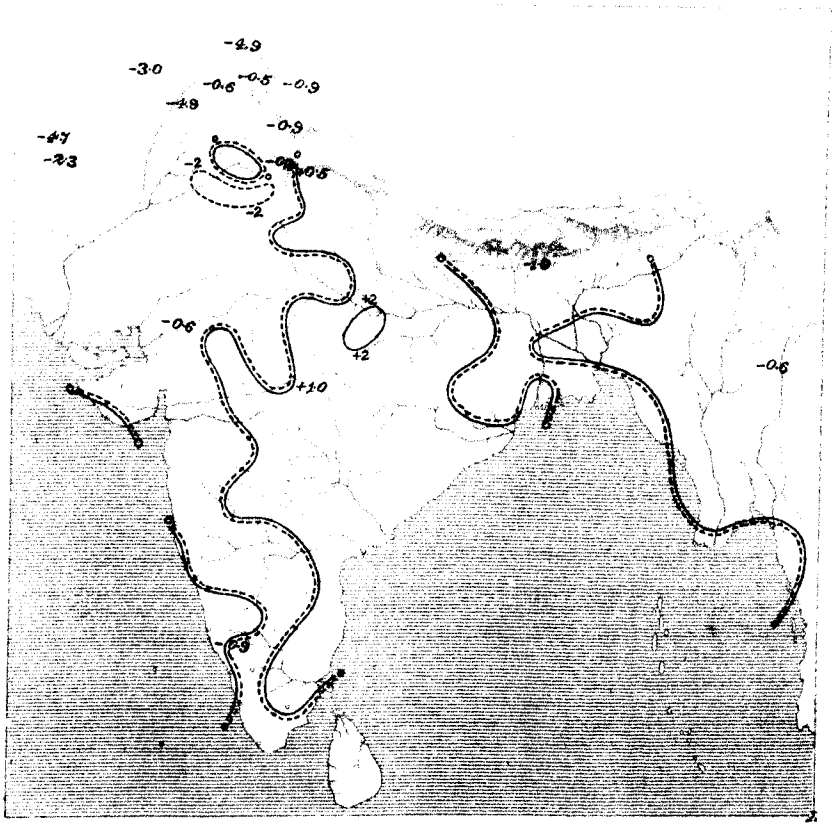


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE



LITHO. BY N.L. HALDER.

PLATE V.

CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF ABSOLUTE
HUMIDITY AT 8 HRS.

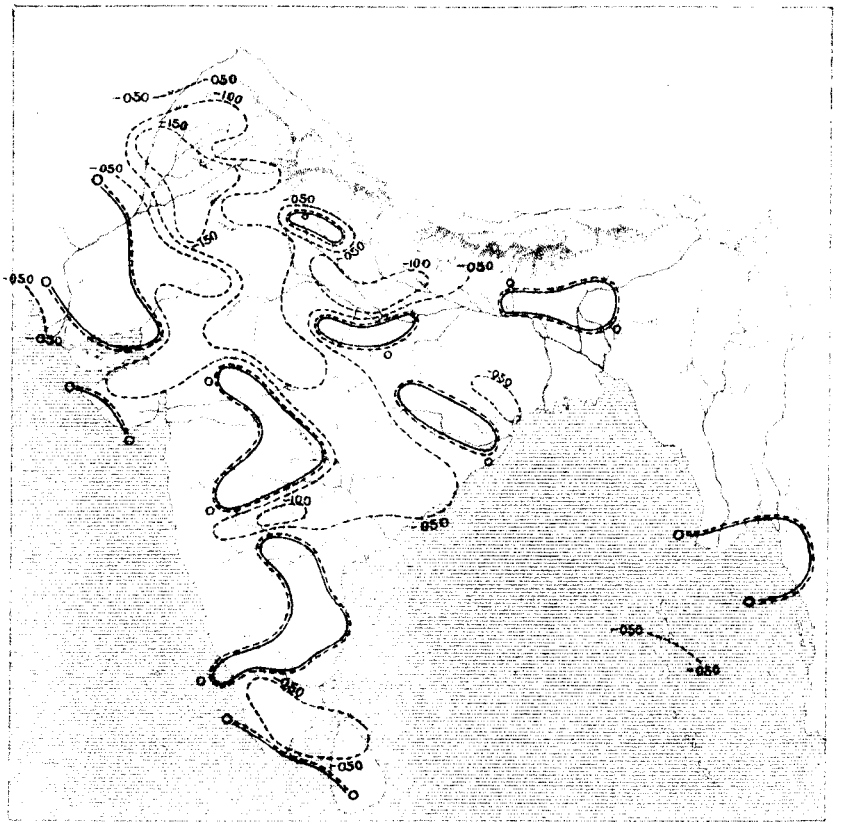


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF RELATIVE
HUMIDITY AT 8 HRS.

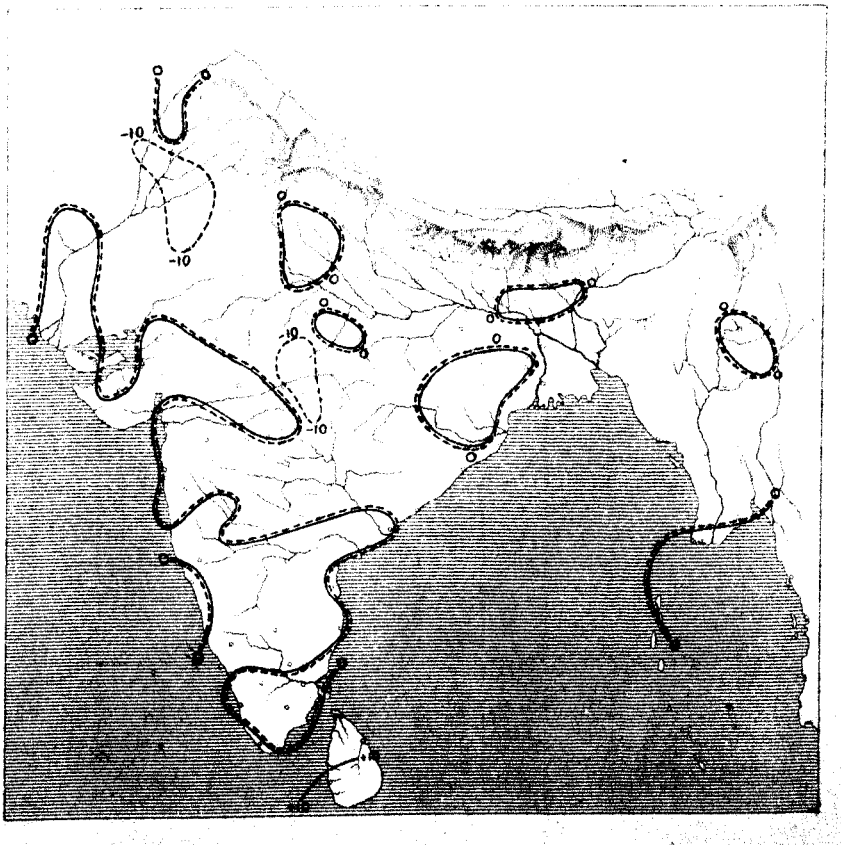


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

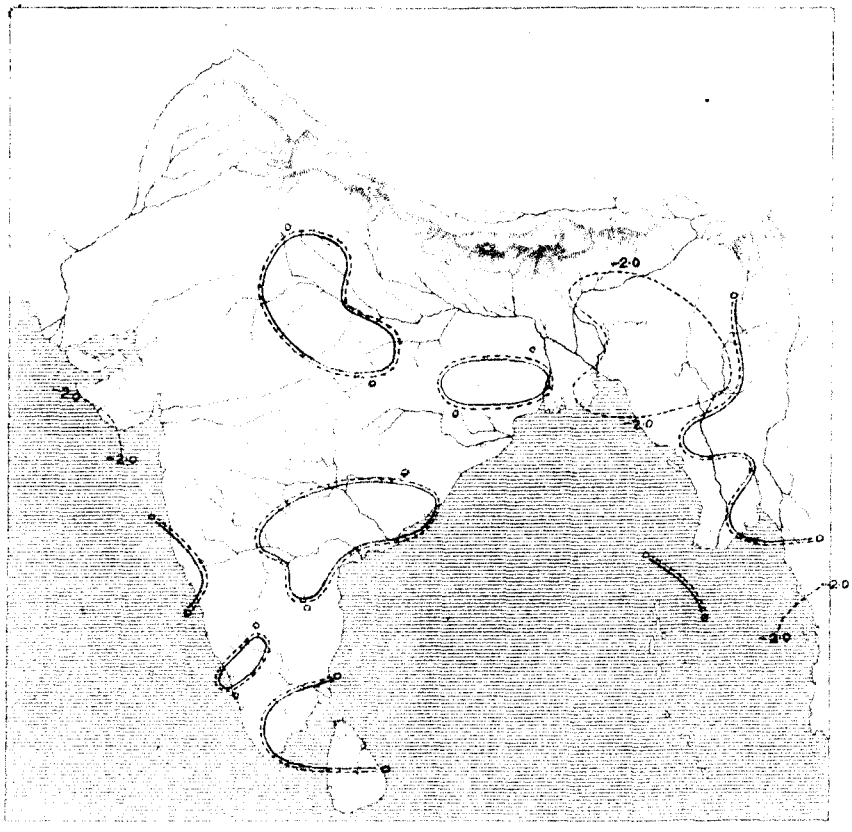
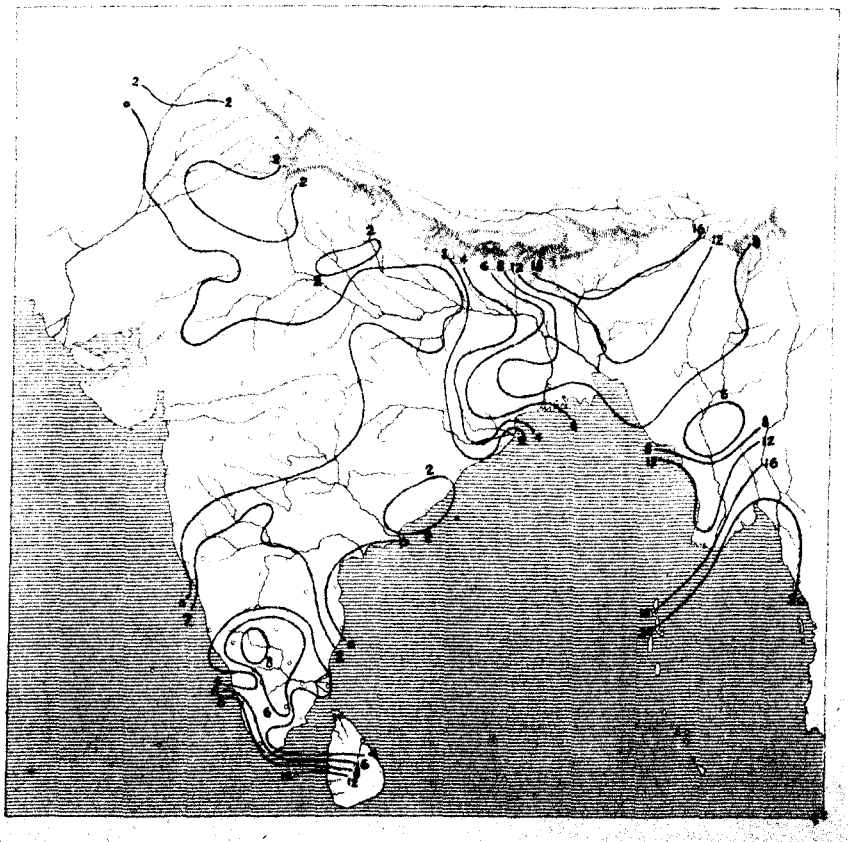
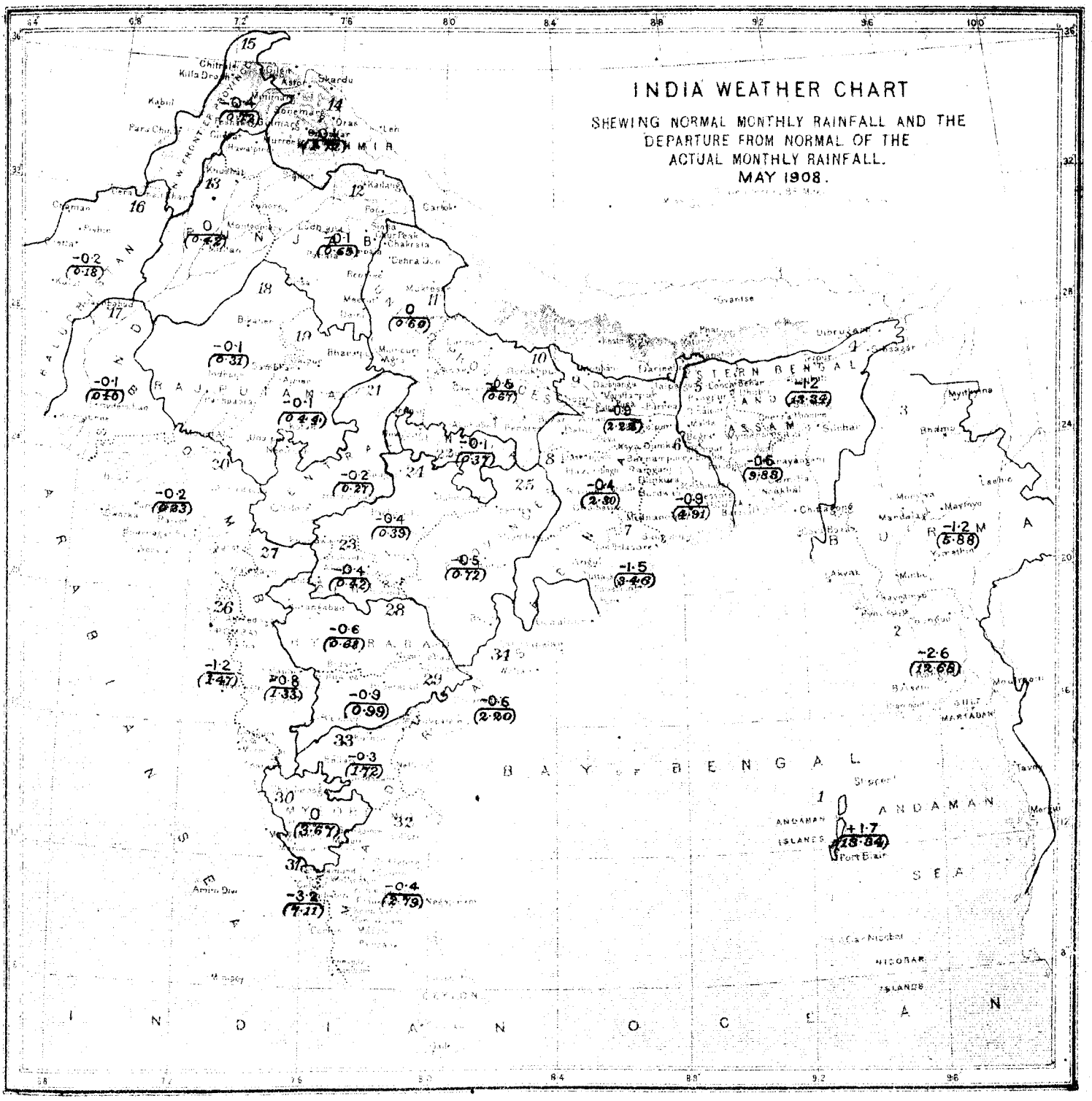


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B





Reg. No. 1653 E. 08.—Wr., India.—July 08.—5,000.

Zinco, S. I. O., Calcutta.

The country is divided into 34 areas as shewn in the list below. The numbers in that list correspond with the red numbers on the chart, and serve to identify the areas. The numbers in brackets on the chart give the average over the divisions of the normal monthly rainfall; the numbers above these give the departures from normal of the average actual rainfall over the divisions.

1. Bay Islands
2. Lower Burma
3. Upper Burma
4. Assam
5. Eastern Bengal
6. Bengal
7. Orissa
8. Chota Nagpur
9. Bihar
10. United Provinces, East
11. Do., West
12. Punjab, East and North
13. Do., Southwest
14. Kashmir
15. Northwest Frontier Province
16. Baluchistan
17. Sind
18. Rajputana, West
19. Rajputana, East
20. Gujarat
21. Central India, West
22. Do., East
23. Berar
24. Central Provinces, West
25. Do., East
26. Konkan
27. Bombay, Deccan
28. Hyderabad, North
29. Do., South
30. Mysore
31. Malabar
32. Madras, Southeast
33. Madras, Deccan
34. Madras Coast, North

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GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, JUNE, 1908.

INTRODUCTION.

THIS review of the weather in India during the month of June, 1908, is based on observations taken daily at 8 hrs. at 239 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 37 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by the provincial Governments up to the date of the preparation of the review, have been utilized. The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories. For a statement of the methods adopted in recording and tabulating the data, for each of the elements of observation, reference should be made to the introductory portion of the review for January.

Summary of the chief features of the weather in India during the month of June, 1908.

2. The monsoon broke on the Malabar Coast on the 11th June, being about a week overdue, and extended northward reaching Bombay on the 13th but it did not extend far inland. The Bay monsoon arrived in northeast India about the usual date being ushered in by a series of three depressions, two of which moved northward and gave very heavy rain in Bengal, and parts of Eastern Bengal, and moderately heavy rain in the rest of northeast India except in Bihar. The third depression took a westerly course and established monsoon conditions over the Central Provinces on the 23rd from which date rain fell daily in this area. At the close of the month the monsoon had not extended into Bihar, the United Provinces and northwest India although some rain had fallen in all these areas.

The air was generally much hotter and drier than usual in the United Provinces, the submontane districts of the Punjab and in parts of central India, but in other parts of the country temperature and humidity did not differ much from the normal.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar observations.*—June was, on the whole, an unfavourable month for solar observations. A large proportion of the days were cloudy while high winds and bad definition greatly interfered with the work. There were two days on which no observations were possible, eight on which prominences could not be observed, and seven other days on which these observations were imperfect.

Sunspots.—The number of spot groups, which showed a secondary maximum of 35 in April, fell to 26 in May and was only 19 in June, with a daily average of 3·8. The average size of the spot groups has also distinctly fallen off.

For the first time since October 1907 the northern groups were slightly in excess of the southern. The latitude distribution was as follows:—

	1°-10°	11°-20°
North	8	3
South	6	2

The highest latitude occupied by any spot was—18° and the lowest—2°. Spot 1441*a* was a return of 1427

observed in the previous month. There were only three large spots in the month, 1434, 1437 and 1453; 1434 had been first seen in May. C was displaced about 2A° to red over a large area to the southeast of the main spot about two days after it had crossed the central meridian. Two days later C was again slightly displaced to red at the same position. This spot was associated with a metallic prominence at the west limb. No. 1437 was also first seen in May and C was reversed near it on several days and D3 was dark on it on one day when it was near the east limb. 1453 was a regular spot which underwent very little change from day to day. Reversals of or other disturbances in the C line were frequent during the first nine days of the month but they were not observed after that period.

Prominences.—The number of prominences one minute or more in height was only 33—the lowest since November 1907. The tallest prominence, 150″ high, was photographed on the 21st. There was a low prominence at latitude +60° west on the 22nd which was less than 10″ high at 9h 52m, but had increased to 20″ by 9h 53m, 25″ by 9h 55m and to 30″ by 9h 57m; the upper part of it was then detached from the lower. F was displaced to 1-2A° to red at the base of the prominence at 9h 52m but the displacement had disappeared by 9h 57m. There were only two metallic prominences recorded during the month.

Magnetic disturbances.—There were "moderate" magnetic disturbances on the 3rd, 4th, 6th, and from the 24th to the 28th, and "small" disturbances on the 13th and from the 17th to the 21st. During the first week of the month and on the 28th there were fairly large spots near the central meridian and the position occupied by the large spot 1453 was near the central meridian on the other side of the sun on the 17th.

C. MICHIE SMITH,
Director,
Kodaikanal and Madras Observatories.

GOVERNMENT OBSERVATORY, BOMBAY.

Alibag Magnetic Record.

4. During the month of June the traces showed 10 calm days, 19 days of small and 1 day of moderate disturbance.

The days of the month selected as quiet are the 5th, 10th, 11th, 23rd and 28th.

The observed absolute values of the several magnetic elements reduced to the mean monthly tabulations of the magnetograms, as also the ranges and the summed ranges of the Horizontal Force and Declination for the month are as follow:—

Easterly Declination . . .	1° 1′ 45″	
Horizontal Force . . .	0·36869	C. G. S. unit.
Vertical Force . . .	0·15919	„ „
Dip (calculated) . . .	23°21′·2	
Dip (observed twice a week) .	23°19′·8	
Horizontal Force Range . .	0·00049	C. G. S. unit.
Horizontal Force Summed Range .	0·00361	„ „
Declination Range . . .	4′·75	
Declination Summed Range . .	20′·07	

(NOTE.—Summed Range means sum without regard to signs of 24 ordinates of diurnal inequality.)

The following table represents the magnetic character of each day of the month:—

Day.	Character.	Day.	Character.	Day.	Character.	Day.	Character.	Day.	Character.
1	S	7	C	13	S	19	S	25	S
2	S	8	S	14	S	20	S	26	S
3	M	9	C	15	S	21	S	27	S
4	S	10	C	16	C	22	C	28	C
5	C	11	C	17	S	23	C	29	S
6	S	12	C	18	S	24	S	30	S

C=Calm; S=Small; M=Moderate; G=Great; V G=Very great.

Seismic disturbances recorded at Bombay.

2. Seismic disturbances were recorded during the month on the 3rd and on the 28th.

List of seismic disturbances.

Date.	Commencement.	Maximum.	End.	Maximum Amplitude.	Duration.
	H. M.	H. M.	H. M.	mm.	H. M.
June 3rd	16 0·2	16 3·5	16 31·3	1·0	0 31·1
„ 28th	17 13·5	17 14·1	17 17·5	0·6	0 4·0

(NOTE.—All times given above denote G. M. T.)

N. A. F. MOOS,
Director,
Bombay and Alibag Observatories.

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the Milne Seismograph at the Alipore Observatory during June, 1908.*

Date 1908.	P. T. Commencement. G.M.T.	L. W. Commencement. G.M.T.	Maximum. G.M.T.	End. G.M.T.	Duration.	Maximum displacement on trace from mean position.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
June 3rd	16 1·0	16 4·1	16 8·1	16 47·8	0 46·8	3·50	Sensibility 1 mm.=0·38″ of tilt.
„ 28th	8 4.16	—	8 45·2	8 48·7	0 7·1	0·50	

There is a displacement on the 28th June, 1908, at about 17—15 G. M. T. with a maximum displacement on trace from mean position 1·25 mm. Times of commencement, maximum displacement, etc., and end cannot be determined as the watch stopped.

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing Seismograph; magnification was 20 during the whole month.*

Date.	Commencement of 1st P. T. G. M. T.	Commencement of 2nd P. T. G. M. T.	Beginning of L. W. G. M. T.	Time of maximum amplitude. G.M.T.	End approximately. G.M.T.	Duration.	Maximum displacement of style.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
*3rd	15 58·2	—	—	16 0·9	16 28·2	0 30·0	17·5	
*28th	17 7·0	—	—	17 8·2	17 24·2	0 17·2	4·5	

* Both these earthquakes probably occurred in north-east Baluchistan.

The following table contains a list of the earthquakes that have been reported:—

Place at which felt.	Date.	Time of earthquake. G. M. T.		Direction.	REMARKS.
		H.	M.		
Quetta . . .	3rd	15	15	—	Slight.
Do. . . .	4th	10	10	—	Do.
Dunga Gali . .	27th	21	10	—	Do.
Chaman . . .	28th	17	40	N.-W. to S.-E.	Sharp.

Solar Radiation.—The following figures give the intensity of solar radiation, as measured at Simla by Angstrom's pyrheliometer. The values are corrected to local noon, and expressed in grammecalories per square centimetre per minute.

Maximum	1·41
Minimum	1·13
Mean	1·27
Number of days of observation .	13

J. PATTERSON,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. *Solar Observations.*—Observations were taken on 14 days during the month. Sunspots, singly and in groups, and faculæ were seen on each day of observation.

Magnetic Disturbances.

Day.	Time.	Disturbance.
3	17h. to 18h.	Decrease in H. F. (34) 28h. 44m. Sharp increase in H. F. (23) followed immediately by a decrease (28) till 23h. 10m. Small fluctuations followed till 4th 21h.
6	11½h. to 12½h.	Wave in H. F. (+19).
"	14h. to 15½h.	Wave in H. F. (+17).
13	¾h. to 3h.	Irregular wave in H. F. (+22): small rapid fluctuations in Dec.
15	11h. to 13½h.	Wave in H. F. (—12).
17	6h. to 8¾h.	Wave in H. F. (+19).
17 to 18	17h. to 6h.	Frequent small fluctuations with two successive sharp waves 18th 5h. to 5½h. (+14 and +16).
18	4½h. to 5½h.	Double wave in Dec. (—22 to +15).
18	19h. to 21½h.	Wave in H. F. (—20).
24 to 26	14h. to 2h.	Frequent small rapid fluctuations in H. F.
27	2h. to 4h.	Wave in H. F. (+14).

T. F. CLAXTON,
Director.

Weather in the Indian monsoon region.

8. In the southern Indian ocean as represented by Mauritius, Seychelles and Zanzibar pressure was slightly higher than usual, the air motion approximately normal in character and the rainfall markedly in excess.

Conditions in the southern Indian ocean were thus not unfavourable for Indian monsoon rainfall.

	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	+·023	+·011	+·018
Actual mean wind direction .	S 75 E	S 2 W	S 36 E
Normal mean wind direction	S 61 E	S 4 E	S 27 E.
Actual mean wind velocity (miles per diem).	270	82	90
Normal mean wind velocity (miles per diem).	269	87	81
Rainfall departure from normal	+2·75	+1·93	+1·00

Depressions and cyclonic storms.

9. Several depressions connected with the establishing of the monsoon occurred in the Arabian sea and the Bay of Bengal.

As usually happens an area of relatively low pressure moved northward in front of the advance of the Arabian sea monsoon and reached the northeast of the Arabian sea on the 13th. By the 15th it had developed into a shallow depression but from the information obtained from ship's logs it does not appear to have had any definite centre. It crossed the Kathiawar coast on the 17th as an irregular and ill-defined area of relatively low pressure, and then drifted in a northeasterly direction into the west of the United Provinces, but it was probably of high elevation and in spite of its diffused character at the level of the plains stations it gave a good burst of rain over Gujarat, Rajputana, the west of the United Provinces, and the east of the Punjab; it did not, however, establish the monsoon in these areas.

The first depression of the season in the north of the Bay began to form over the Sundarbans on the 16th on which date rainfall due to it commenced on the Orissa coast; the depression rapidly developed into one of moderate intensity and was very concentrated with the result that rainfall was confined to a small area about the storm centre and was in consequence heavy. As generally happens with Bay storms which occur before the Arabian sea monsoon is properly established in the central parts of the country, it pursued a northerly course and on the morning of the 18th was close to Jessore, having given heavy rain to the southwest of its track. As the depression moved northward heavy rain fell in deltaic Bengal and moderate rain in Assam, but after the depression had passed Berhampore on the 19th it decreased in intensity and rainfall diminished slightly, owing to another depression forming over the head of the Bay. This latter depression was comparatively feeble but it followed the same course as its predecessor and coalesced with it on the 22nd thereby preventing any further diminution in intensity. The centre was again in the neighbourhood of Berhampore and light to moderately heavy rain was still falling over almost the whole of northeast India. On this date however a fresh depression was forming over the bay and as it developed the resultant of the two depressions gradually shifted southward until it was in the vicinity of Balasore on the 24th by which time the original disturbance was completely obliterated. Rain fell over the greater part of northeast India on the 23rd, being heavy in places near the storm centre, but on the 24th it diminished in northeast India, and was heavy in south Orissa, the region in the southwest quadrant of the depression. The two preceding disturbances had induced a strong inflow of winds from the Arabian Sea and this depression now that the Arabian sea winds were feeding into it took a northwesterly course and established the monsoon in the Central Provinces. The depression reached the east of Central India on the 26th where it filled up during the day but the monsoon continued to give good rain over the Central Provinces for the rest of the month.

On the 30th a fresh depression began to form off the Circars coast but its history will be given in the July Review.

A second advance of the Arabian sea monsoon began on the 27th and as before it was preceded by an area of relatively low pressure, which at the end of the month was still at a considerable distance from the Kathiawar coast: its further progress will be described in the July Review but it may be noted that the advance of the monsoon accompanying it was much stronger than the first.

Pressure.

10. Pressure was in excess in Gujarat and the western half of the Peninsula, and in defect in the greater part of northeast India, the Gangetic plain and the submontane districts of the Punjab. The horizontal pressure gradients were thus steeper than usual and the trough of low pressure was north of its normal position. This distribution of pressure confined the Bay monsoon almost entirely to Burma and northeast India, and in the latter area it was established about the normal date with the usual accompaniment of storms at the head of the Bay. The Arabian sea monsoon did not reach the Malabar coast until the 11th, being about a week overdue, and had penetrated into the Central Provinces by the 25th, but it was not established in the other interior districts by the end of the month.

The vertical pressure gradients were normal up to the level of the hill stations except in upper India where they were not as steep as usual.

The usual tables are appended :—

Division.	Departure from normal of mean 8 hrs. pressure.
	″
Burma	—·007
Eastern Bengal and Assam	—·016
Bengal	—·021
United Provinces	—·023
Punjab	—·016
North-West Frontier Province	—·016
Sind	+·018
Rajputana	+·010
Bombay	+·027
Central India	+·004
Central Provinces	+·005
Hyderabad	+·018
Mysore	+·004
Madras	+·008

Hill Station.	Departure from normal pressure. A.	Plain Station.	Departure from normal pressure. B.	Departure of pressure difference B—A
	″		″	″
Quetta	+·025	Jacobabad	+·014	—·011
Leh	+·022	Lahore	—·022	—·044
Murree	—·007	Peshawar	—·019	—·012
Simla	+·009	Ludhiana	—·016	—·025
Chakrata	+·005	Roorkee	—·015	—·020
Darjeeling	—·005	Dhubri	—·025	—·020
Mount Abu	+·024	Deesa	+·028	+·004
Pachmarhi	+·010	Khandwa	+·015	+·005

Temperature.

11. In Burma, northeast India, south India and on the west coast, regions in which monsoon conditions were well established during the month, and also in northwest India excluding the submontane districts both maximum and minimum temperatures were normal. In the Gangetic plain and the central parts of the country where the monsoon was either not established at the end of the month or until the last week, temperatures were much higher than usual. The region of most excessive maximum included the north of the Central Provinces, the east of Central India, the whole of the United Provinces excluding the east submontane districts, and the submontane districts of the Punjab; at most of the stations in these areas the excess amounted to over 5° and at Mainpuri it was as much as 8·6°. The minimum also was high in these same regions but the excess was much less than in the case of the maximum.

In the United Provinces, the east of Central India and the north of the Central Provinces the hottest period occurred from the 14th to the 17th and maxima were generally more than 10° higher than usual, the highest being 116° at Mainpuri and Jhansi. From the 28th to the end of the month weather during the day time was abnormally hot in the Punjab and the North-West Frontier Province, and at Dera Ismail Khan temperature rose to 117°.

Division.	Actual temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	85·1	77·6	81·4	7·6	17·6	—1·8	—0·4	—1·4
2. Lower Burma	85·7	75·9	80·8	9·7	17·8	—0·4	+0·2	—0·6
3. Upper do.	90·9	76·3	83·6	14·6	26·6	—0·6	+0·4	—1·0
4. Assam	89·1	76·6	82·8	12·5	21·5	+0·7	+0·1	+0·6
5. Eastern Bengal	89·1	77·1	83·2	12·0	24·5	+0·7	0	+0·7
6. Bengal	93·1	79·2	86·2	13·9	29·8	+0·1	+0·2	—0·1
7. Orissa	94·1	80·2	87·2	13·9	33·2	+0·9	+0·4	+0.
8 Chota Nagpur	98·0	79·3	88·7	18·7	38·6	+2·5	+1·7	+0·8
9. Bihar	98·4	80·3	89·4	18·1	37·4	+1·9	+1·0	+0·9
10. United Provinces, East	104·2	82·9	93·6	21·4	40·9	+4·6	+1·8	+2·8
11. Do., West	105·2	83·0	94·1	22·2	39·9	+5·3	+2·6	+2·7
12. Punjab, East and North	108·2	82·4	95·2	25·8	42·1	+3·8	+2·1	+1·7
13. Do., Southwest	110·3	83·5	97·0	26·8	42·4	+2·0	+0·1	+1·9
14. Kashmir	76·6	49·3	63·0	27·3	43·5	—1·7	—3·3	+1·6
15. N.-W. Frontier Province	109·4	79·4	94·4	30·0	47·8	+2·4	+0·2	+2·2
16. Baluchistan	96·7	67·3	82·0	29·4	49·2	—1·6	—3·1	+1·5
17. Sind	104·7	82·3	93·5	22·3	36·4	+1·0	—0·4	+1·4
18. Rajputana, West	105·4	83·3	94·4	22·1	36·6	+0·2	+0·3	—0·1
19. Do., East	103·2	83·4	93·3	19·8	36·1	+1·3	+2·3	—1·0
20. Gujarat	96·3	80·7	88·5	15·6	26·2	+0·6	+0·6	0
21. Central India, West	97·7	77·4	87·6	20·3	34·4	+1·4	+1·1	+0·3
22. Do., East	106·6	86·0	96·3	20·6	35·4	+6·4	+4·3	+2·1
23. Berar	98·0	76·5	87·3	21·5	41·4	+2·0	+0·6	+1·4

Division.	Actual temperature. Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Departure from normal of Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
24. Central Provinces, West	101·7	79·9	90·8	21·8	39·2	+4·5	+1·9	+2·6
25. Do., East	99·2	80·6	89·9	18·6	41·2	+2·0	+2·2	—0·2
26. Konkan	87·4	78·8	83·2	8·6	18·3	+1·1	+1·1	0
27. Bombay Deccan	93·2	72·5	82·9	20·7	34·0	+3·1	+0·3	+2·8
28. Hyderabad, North	97·2	75·3	86·3	21·9	37·0	—	—	—
29. Do., South	99·0	77·5	88·2	21·6	38·8	+3·9	+1·8	+2·1
30. Mysore	85·4	67·6	76·5	17·8	27·4	+1·8	0	+1·8
31. Malabar	84·2	75·0	79·7	9·2	19·0	—0·2	+0·5	—0·7
32. Madras, Southeast	97·3	78·2	87·7	19·1	29·5	+1·2	+0·3	+0·9
33. Do. Deccan	100·0	78·4	89·2	21·5	33·1	+2·8	+0·7	+2·1
34. Do. Coast, North	99·0	82·3	90·7	16·7	34·4	+4·2	+1·4	+2·8

Division.	Departure from normal of Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Burma	—0·5	+0·3	—0·1
Eastern Bengal and Assam	+0·7	+0·1	+0·4
Bengal	+1·2	+0·8	+1·0
United Provinces	+5·0	+2·2	+3·6
Punjab	+3·3	+1·5	+2·4
North-West Frontier Province	+2·4	+0·2	+1·3
Sind	+1·0	—0·4	+0·3

Division.	Departure from normal of Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Rajputana	+0·9	+1·6	+1·3
Bombay	+1·6	+0·6	+1·2
Central India	+3·9	+2·7	+3·3
Central Provinces	+3·5	+1·7	+2·6
Hyderabad	+3·9	+1·8	+2·8
Mysore	+1·8	0	+0·9
Madras	+1·8	+0·6	+1·2

Winds.

12. Winds were weaker than usual in Sind and stronger in Rajputana, the Central Provinces, Mysore and Madras, while in Rajputana, Central India and the Central Provinces they were much above the normal steadiness; in the Punjab they were more variable than usual.

Division.	Departure from normal of Hourly wind velocity.	Wind steadiness.
Burma	—0·3	+3
Eastern Bengal and Assam	—0·4	—1
Bengal	+0·3	—1
United Provinces	0	0

Division.	Departure from normal of Hourly wind velocity.	Wind steadiness.
Punjab	+0·4	—7
North-West Frontier Province	—0·3	—3
Sind	—4·6	+2
Rajputana	+1·9	+18
Bombay	—0·6	+3
Central India	+0·6	+19
Central Provinces	+2·3	+13
Hyderabad	+0·3	+7
Mysore	+1·2	0
Madras	+1·3	+6

Humidity and cloud.

13. These meteorological elements for June depend very largely on the time of arrival of the monsoon, and in those areas where the monsoon was not very late in arriving they were normal. In the United Provinces, the Punjab and the North-West Frontier Province region where the monsoon was not established the air was much drier than usual and there was only about a half of the normal amount of cloud. In the Central Provinces and Hyderabad, regions where the monsoon did not become established until the last ten days of the month, humidity was in defect but there was the normal amount of cloud.

Division.	Hygrometry; 8 hours.				Cloud.	
	Mean humidity.	Departure from normal.	Mean vapour tension in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hours.	Departure from normal.
	%		"	"		
Burma . .	87	+ 1	·880	—·008	7·8	+0·4
Eastern Bengal and Assam.	88	— 1	·934	—·004	6·7	—0·5
Bengal . .	77	— 3	·903	—·015	6·1	—0·1
United Provinces.	53	—14	·719	—·084	2·7	—2·1
Punjab . .	39	—13	·569	—·139	1·5	—1·2
North-West Frontier Province.	34	—17	·490	—·206	1·3	—0·4
Sind . .	66	+ 3	·878	+·028	3·1	—0·2
Rajputana .	54	— 7	·713	—·050	2·3	—1·8
Bombay . .	73	— 4	·813	—·039	5·7	—0·9
Central India .	62	— 7	·780	—·028	5·7	+0·7
Central Provinces.	57	—10	·653	—·083	5·8	0
Hyderabad .	61	—10	·654	—·071	5·6	—0·2
Mysore . .	80	— 2	·644	—·009	7·3	—0·8
Madras . .	69	— 4	·785	—·022	6·3	—0·1

Rainfall.

14. The Arabian sea monsoon arrived on the Malabar coast on the 11th June about a week later than usual and advanced rapidly northward along the west coast, being preceded by an area of relatively low pressure which crossed the Kathiawar coast on the 17th; it then drifted northeastward and caused monsoon rainfall in Gujarat, Rajputana, the east Punjab and the west of the United Provinces, but it failed to establish monsoon conditions in these areas. The Arabian sea current gave during the first week after its arrival rain all along the west coast of the Peninsula and had penetrated slightly into the interior districts.

During the first half of the month there was considerable rainfall in the greater part of northeast India and the monsoon broke on the 17th. Its advance was accompanied by a depression of considerable intensity which formed over the north of the Bay and travelled northward. By the time it had reached the neighbourhood of Bogra, another depression had formed over the north of the Bay and they coalesced on the 22nd. These storms gave torrential rain in Bengal and parts of Eastern Bengal, and moderate rain over the rest of northeast India, excluding Bihar which was in the unfavourable quadrant and so received very little rain. On the 23rd a third depression appeared in the north of the Bay but the two preceding storms had induced a strong inflow of Arabian sea winds into the central parts of the country and this disturbance took a westerly course and established the monsoon in the Central Provinces where widespread rainfall was of daily occurrence for the rest of the month. On the west coast the monsoon weakened after the area of relatively low pressure in the Arabian sea had disappeared but on the 27th a fresh and much stronger advance began and by the end of the month heavy rain was falling all along the west coast of the Peninsula.

The total rainfall for the month was in large excess in Bengal and Orissa, and in very large defect in Bihar, but in the rest of northeast India and in Burma it was nearly normal. The monsoon also gave a large excess in Berar and the normal amount in the rest of the Central Provinces, south Hyderabad and Malabar, but in the rest of the country rainfall was generally in large defect, the most important deficiencies occurring in Bihar, the United Provinces, the Punjab, Gujarat and Central India.

Sub-division.	Number of Rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
			"	"	"	
1. Bay Islands	19·0	19·7	23·27	15·50	+7·77	+ 50
2. Lower Burma	23·6	22·1	27·69	25·36	+2·33	+ 9
3. Upper do.	9·5	9·6	6·44	6·61	−0·17	— 3
4. Assam	16·9	17·3	14·72	17·47	—2·75	— 16
5. Eastern Bengal	14·7	15·3	13·61	16·71	—3·10	— 19
6. Bengal	12·4	12·3	14·48	10·69	+3·79	+ 35
7. Orissa	11·1	10·5	11·39	9·45	+1·94	+ 21
8. Chota Nagpur	9·7	10·5	8·13	9·22	—1·09	— 12
9. Bihar	5·5	8·4	3·37	7·94	—4·57	— 58
10. United Provinces, East	2·6	5·9	2·06	5·34	—3·28	— 61
11. Do., West	2·4	5·3	2·23	4·61	—2·38	— 52
12. Punjab, East and North	1·3	3·1	0·60	2·37	—1·77	— 75
13. Do., Southwest	0·9	1·4	0·35	0·75	—0·40	— 53
14. Kashmir	1·8	3·2	0·56	1·90	—1·34	— 71
15. North-West Frontier Province	1·0	1·5	0·32	0·84	—0·52	— 62
16. Baluchistan	0·1	0·6	0·03	0·30	—0·27	— 90
17. Sind	0·2	0·6	0·07	0·41	—0·34	— 83
18. Rajputana, West	1·4	2·1	1·24	1·39	—0·15	— 11
19. Do., East	2·5	4·3	1·74	3·18	—1·44	— 45
20. Gujarat	2·8	5·9	2·46	5·65	—3·19	— 56
21. Central India, West	5·1	6·8	3·43	6·73	—3·30	— 49
22. Do., East	2·7	7·3	1·41	7·39	—5·98	— 81
23. Berar	8·3	8·2	7·80	5·67	+2·13	+ 38
24. Central Provinces, West	7·0	8·7	6·34	7·26	—0·92	— 13
25. Do., East	7·9	9·6	9·10	8·46	+0·64	+ 8
26. Konkan	15·0	18·6	17·46	26·62	—9·16	— 34
27. Bombay Deccan	5·6	8·4	3·21	5·57	—2·36	— 42
28. Hyderabad, North	5·7	8·1	3·55	5·61	—2·06	— 37
29. Do., South	4·3	6·8	3·69	4·05	—0·36	— 9
30. Mysore	5·8	6·7	3·20	4·24	—1·04	— 25
31. Malabar	21·8	23·3	29·31	33·26	—3·95	— 12
32. Madras, Southeast	2·1	2·9	1·21	1·56	—0·35	— 22
33. Do. Deccan	2·8	4·6	1·46	2·53	—1·07	— 42
34. Do. Coast, North	4·8	6·2	2·80	4·30	—1·50	— 35

Division.	Rainfall. Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	16·08	15·12	+0·96	+
Eastern Bengal and Assam	14·17	17·10	−2·93	−17
Bengal	9·54	9·39	+0·15	+ 2
United Provinces	2·14	5·00	−2·86	−57
Punjab	0·55	2·03	−1·48	−73
North-West Frontier Province	0·32	0·84	−0·52	−62
Sind	0·07	0·41	−0·34	−83
Rajputana	1·61	2·70	−1·09	−40
Bombay	5·56	9·42	−3·86	−41

Division.	Rainfall. Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Central India	2·75	6·96	−4·21	−60
Central Provinces	7·56	6·87	+0·69	+ 10
Hyderabad	3·62	4·76	−1·14	−24
Mysore	3·20	4·24	−1·04	−25
Madras	4·28	5·40	−1·12	−21
Mean of India when the size of the above areas is taken into account.	6·15	7·44	−1·29	−17

Snowfall.

I AND II.

15. *Afghanistan and the North-West Frontier Province.*—According to the available information there was no snowfall in these regions.

III.—KASHMIR.

Slight falls occurred occasionally on the higher ranges: the total fall was however below the average.

IV.—PUNJAB.

(*a*) *Chamba.*—Snow fell on the Sach Pass on three occasions. The fall of the 7th was 16 inches in amount and descended to about 10,000 feet. The summits of the Barmaur, Bhandal, Tisa and Dalhousie ranges were bare of snow throughout the month.

(*b*) *Kangra.*—Snowstorms occurred generally in the Kulu sub-division on the 7th, 8th, 19th and 20th down to about 12,000 feet at which level the total fall varied from 12 to 18 inches. There was also a slight fall on the Hamta Pass on the last day of the month.

(*c*) *Kilba.*—Snow fell on five days on the surrounding hills down to about 10,500 feet at which elevation the total fall measured about 4 inches in depth. At the close of the month all the well known passes were free of snow.

V.—UNITED PROVINCES.

(*a*) *Garhwal.*—There was a heavy fall on the 16th and 17th on the higher mountains, the snowline descending to 10,000 feet.

(*b*) *Almora.*—Snow fell on several occasions during the month: the total fall was estimated at about 7 feet in Malla Darma and Byans, 1½ feet in Malla Johar and 1 foot in Chandas and Malla Danpur. The snowline descended to a distance of about half a mile from the perpetual snows in Malla Danpur and to about four miles in Chandas and Byans.

Name of Pass or Peak.	Depth of accumulation at the end of the month. Reported.	Normal.
Unta Dhura	10 feet.	7 feet.
Ralam "	10 "	5 "
Pindari Peak	8 "	½ foot.
Kaphini "	8 "	½ "
Nuwe Pass	20 "	16 feet.
Binkaru "	11 "	23 "
Lipu Lekh "	12 "	6 "

SUMMARY.

16. (*a*) There was no snowfall during the month in Afghanistan and the hill districts of the North-West Frontier Province.

(*b*) The fall was below normal in Kashmir.

(*c*) In the Punjab Himalayas the snowfall was somewhat irregularly distributed, and was on the whole not above the average. The winter accumulations were generally in marked defect.

(*d*) There were two heavy falls in Garhwal and occasional falls in Almora. At the end of the month the accumulations of snow in Almora were on the whole slightly greater than usual.

Crop report.

17. *Burma.*—Planting of hillside rice was completed in places and ploughing for and sowing of miscellaneous crops were in progress. Standing crops were in fairly good condition.

Eastern Bengal and Assam.—The prospects of standing crops were generally good but more rain was wanted in some of the eastern districts. Weeding of jute and summer rice was nearly finished and transplantation of winter rice had commenced. Prospects of tea were favourable.

Bengal.—Weeding of jute and sowing of autumn crops were being carried on and sugarcane was doing well. More rain was wanted for the sowing of autumn crops in Bihar but damage due to excessive rain was reported from parts of lower Bengal.

United Provinces.—Harvesting of extra crops was almost completed and sowings were being carried on by aid of irrigation but rainfall was generally insufficient for agricultural operations.

Punjab.—The condition of standing crops was generally good to average except in Multan where they were below average. Extra spring crops were being harvested and land was being ploughed and sown for the autumn crops.

North-West Frontier Province.—Spring crops were being harvested and their outturn and the condition of the standing crops were good in irrigated and average in unirrigated areas. Cattle were in good condition.

Jammu and Kashmir.—Condition of standing crops was poor except in irrigated areas, and rain was badly wanted. Fodder was insufficient.

Rajputana.—The condition of cattle was good and fodder and water were sufficient. Autumn sowings had commenced but more rain was wanted in Sirohi and parts of Mewar, Bharatpur and Karauli.

Central India.—Land was being prepared and sown for autumn crops. In some States the condition of agricultural stock was indifferent and fodder and water were scarce.

Central Provinces.—Sowings of autumn crops were in progress but were impeded in some districts by continuous rain. Fodder was scarce and the condition of cattle poor in parts.

Bombay.—More rain was needed for autumn sowings which were generally in progress. Fodder was adequate and cattle were in good condition except in some districts.

Hyderabad.—Sowings of autumn crops were retarded for want of rain and water and fodder were scarce in several talukas.

Mysore.—Standing crops were in good condition and prospects of the season were favourable but more rain was wanted generally.

Coorg.—Ploughing tor and sowing of rice were in progress. Water and fodder for cattle were sufficient.

Madras.—Standing crops were generally in fair condition but some were withering. Harvesting was being carried on with poor to normal outturn. The condition of cattle was on the whole good though pasture and fodder were insufficient in some districts.

J. PATTERSON.

TABLE A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 37 stations, in India, etc., in June, 1908.

Table

Abstract of observations recorded at 10 hrs. and 16 hrs. at

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to sea-level and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	I.—Burma.																					
2	Rangoon . .	36	29·763	29·684	·079	29·729	—·003	29·701	86·1	75·8	10·3	92·5	73·2	19·3	82·1	80·8	79·0	−0·5	74·5	78·2	77·3	76·7
	III.—Bengal.																					
6	Calcutta . .	21	·569	·431	·088	·531	—·018	·497	91·7	79·8	11·9	100·9	74·8	26·1	87·1	88·4	85·5	+1·0	77·2	80·6	80·8	79·5
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad . .	309	·218	·109	·109	·167	—·033	·414	106·9	84·9	22·0	115·5	78·3	36·6	98·1	104·2	94·6	+3·8	72·3	76·0	75·7	74·7
11	Dehra Dun . .	2,233	27·368	27·279	·089	27·321	−·031	·432	97·7	75·3	22·4	108·2	65·5	42·7	89·1	93·7	85·0	+2·8	64·7	71·1	71·4	69·1
	V.—Punjab.																					
12	Lahore . .	702	28·806	28·713	·093	28·751	—·022	·387	108·8	81·1	27·7	116·7	70·6	46·1	98·1	107·3	94·6	+1·6	69·1	75·4	76·8	73·8
	VIII.—Rajputana.																					
19	Jaipur . .	1,431	·192	·093	·099	·142	+·009	·473	105·3	82·3	23·0	112·8	74·1	38·7	95·9	102·7	92·6	+2·0	69·6	75·2	75·0	73·3
	Udaipur . .	1,925	27·761	27·671	·090	27·720		·536	98·5	79·6	18·9	105·3	73·3	32·0	90·3	94·5	88·3		73·2	77·5	78·6	76·4
	IX.—Bombay.																					
26	Bombay . .	37	29·736	29·659	·077	29·699	+·026	·675	89·0	80·6	8·4	94·2	76·5	17·7	85·5	85·9	83·6	+1·2	77·1	79·5	79·3	78·6
	XI.—Central Provinces.																					
24	Nagpur . .	1,017	28·626	28·504	·122	28·571	—·007	·515	100·9	82·3	18·6	112·6	68·5	44·1	91·5	97·8	89·8	+3·2	70·4	74·2	74·7	73·1
	XII.—Hyderabad.																					
29	Hyderabad . .	1,690	·049	27·937	·112	·000	0	·592	97·3	77·4	19·9	106·4	70·2	36·2	87·2	93·5	85·6	+3·0	68·9	72·2	73·8	71·6
	XIII.—Mysore.																					
30	Bangalore . .	3,021	26·856	26·772	·084	26·821	−·002	·699	85·8	66·9	19·9	92·4	64·2	28·2	78·2	83·2	75·1	+1·1	65·2	69·3	69·8	68·1
	Mysore . . .	2,518	27·372	27·283	089	27·335	+·025	·755	84·1	67·3	16·8	91·8	65·1	26·7	78·6	80·6	73·9	−0·7	65·6	70·0	70·3	68·6
	XIV.—Madras.																					
32	Periyakulam .	944	28·879	28·769	·110	28·824		·690	93·8	72·2	21·6	99·6	67·7	31·9	87·4	88·8	82·9		67·2	72·5	72·7	70·8
	Pudukkottai .	318	29·500	29·389	·111	29·445		·688	99·2	78·1	21·1	105·4	72·8	32·6	89·9	94·8	88·6		72·2	74·8	76·5	74·5
	Madras . .	22	·737	·628	·109	·692	—·007	·644	102·2	82·1	20·1	107·5	77·2	30·3	91·0	91·8	90·9	+2·5	75·1	78·1	79·5	77·6
	Station in the Bay.																					
1	Port Blair . .	61	·775	·706	·069	·745	+·012	·733	84·2	77·4	6·8	88·0	72·8	15·2	81·6	82·6	79·6	−1·1	74·7	77·5	78·0	76·7
	Kashmir.																					
14	Srinagar . .	5,204	24·740	24·664	·076	24·704	+·008	24·675	85·3	55·8	29·5	94·9	49·6	45·3	73·6	82·5	69·5	−0·4	51·2	67·5	73·4	64·0
	Leh . . .	11,503	19·689	19·607	·082	19·650	+·012	19·618	69·2	43·1	26·1	77·6	35·0	42·6	59·5	67·2	55·1	−2·7	37·6	44·8	46·7	43·0
	Baluchistan.																					
16	Quetta . .	5,502	24·509	24·441	·068	24·468	+·026	24·428	91·3	57·0	34·3	100·4	49·0	51·4	81·0	89·9	73·4	−0·7	48·4	58·7	59·3	55·5

N.B.—Elevations in italics indicate barometric determinations.

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,500 feet.

A.

37 stations, in India, etc., in June, 1908.

Vapour tension in inches of mercury.					Humidity.				Cloud.				Wind direction.											Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of subdivisions
													Total number of 10 hrs. and 16 hrs. winds from									Mean wind direction.	Normal mean wind direction of month.							
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															I.—Burma.	
·840	·920	·894	·902	—·019	94	84	85	92	— 1	8·5	9·3	8·9	+0·1	1	1		2	1	29	24	2		S 20° W	S 24° W	80	71	60*	122	21·65	2·38	Rangoon.	2
																															III.—Bengal.	
·901	·962	·953	·950	—·021	88	76	73	81	— 2	6·8	7·2	7·0	—0·5	4	1		2	10	17	23	2	1	S 14° W	S 3° W	66	59	176	142	26·12	11·95	Calcutta	6
																															IV.—United Provinces of Agra and Oudh.	
·636	·595	·512	·597	—·170	54	35	27	40	—16	3·3	4·2	3·8	—1·3	4	12	5	14			2	11	12	N 9° W	N 10° W	38	16	153*	192	0·20	0·20	Allahabad.	10
·491	·545	·501	·526	—·110	57	44	36	49	—13	3 2	3·8	3·5	—0·7	8	6	13	7	9	12		2		S 82° E	S 51° W	35	14	45	41	6·60	2·92	Dehra Dun.‡	11
																															V.—Punjab.	
·559	·579	·514	·569	—·058	53	34	23	37	— 7	1·2	0·8	1·0	—1·9	3	8	2	2	7	11	3	11	13	N 88° W	N 18° E	23	7	86*	86	1·69	1 12	Lahore.	12
																															VIII.—Rajputana.	
·574	·615	·524	·578	—·078	52	38	28	41	—11	2·3	2·7	2·5	—1·3		3	2	1	1		3	28	22	N 68° W	N 70° W	77	43	208	163	0·84	0·47	Jaipur.	19
·735	·793	·791	·751		74	56	50	61		2·7	3·4	3·1			1	1	2	4	6	18	26	2	S 62° W		65		230*		0·66	0·38	Udaipur.	
																															IX.—Bombay.	
·882	·933	·919	·928	—·010	85	76	74	80	— 3	6·9	7·2	7·1	0			1	1	2	9	18	26	3	S 62° W	S 63° W	72	64	265	365	12·39	3·36	Bombay.	26
																															XI.—Central Provinces.	
·603	·637	·578	·615	—·103	57	47	36	48	—11	5·7	7·2	6·5	—0·7	1	6	3		1	5	14	22	8	S 87° W	N 82° W	59	55	210*	216	11·99	5·11	Nagpur.	24
																															XII.—Hyderabad.	
603	·602	·586	·610	—·098	65	48	39	53	—11	6·4	7·7	7·1	+0·8		2						38	20	N 73° W	N 84° W	92	72	190*	218	5·64	3·71	Hyderabad	29
																															XIII.—Mysore.	
·605	·616	·577	·606	—·017	91	64	52	71	— 3	6·0	7·3	6·7			1				2	19	34	4	S 77° W	S 72° W	87	81	271*	223	1·26	0·52	Bangalore.	30
·611	·627	·615	·625	—·011	91	65	60	74	— 1	8·2	8·8	8·5	0		1				1	25	31	2	S 72° W	S 75° W	89	79	299*	350	3·48	1·48	Mysore.	
																															XIV—Madras.	
·599	·602	·595	·599		76	48	45	56		4·0	6·1	5·1		25	5	2	2		24	1	1		S 5° E		30		98*		0·45	0·18	Periyakulam.	32
·714	·660	·663	·679		75	47	41	54		5·8	7·3	6·6		2	1	1		5	6	23	13	9	S 61° W		60		254*		1·31	0·54	Pudukkottai.	
·780	·748	·845	·808	—·025	71	47	57	61	— 5	5·6	6·3	6·0	—0·2			2	4	10	2	5	29	8	S 78° W	S 37° W	44	57	185	211	0·39	0·11	Madras.	
																															Station in the Bay.	
·821	·891	·899	·886	—·049	87	83	81	86	— 2	9·4	9·1	9·3	+1·5					1	5	31	22	1	S 58° W	S 45° W	85	78	304*	250	27·31	10·17	Port Blair.	2
																															Kashmir	
·328	·608	·736	·509	—·026	73	73	65	70†	— 9	1·4	4·4	2·9	—0·7	12	8	5	1	1	7	1	6	19	N 42° W	N 9° E	37	7	89*	91	0·52	0·22	Srinagar.	14
·182	·169	·143	·161	—·007	65	34	22	41	+ 2	3·8	4·9	4·4	—0·6		1	1		1	7	12	38		S 72° W	S 81° W	78	34	89	62	0·17	0·09	Leh.	
																															Baluchistan	
·256	·236	·181	·223	—·118	54	20	11	28	—11	0	0·2	0·1	—1·0	27	5	2				1	11	14	N 53° W	N 72° W	42	29	53*	72	0	0	Quetta.	16

Corrected. Mean of three previous columns. ‡ Wind observation 3 less.

Table

Abstract of observations taken at 10 hrs. and 16 hrs. at

Number of subdivision.	Station.	Elevation of bar-cisterns above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb ‡			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to sea-level and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Hill Stations excluding Kashmir and Baluchistan.																					
	Simla	7,224	23·023	22·986	·037	22·998	+·005	22·960	77·6	62·9	14·7	83·5	49·9	33·6	71·4	75·8	69·5	+2·6	52·4	56·2	58·6	55·7
	Sarain		·055	23·015	·040	23·030			77·4§	57·3	20·1	84·0	50·3	33·7	70·7	73·3	66·6§			55·4	57·9	
	Kalabagh		20·105	20·093	·012	20·094			58·4	46·8	11·6	64·1	38·0	26·1	53·3	55·8	51·8			43·9	46·2	
	Chakrata	7,022	23·187	23·140	·047	23·162	+·005	23·122	77·2	62·3	14·9	85·3	50·7	34·6	72·4	72·7	69·[illegible]	+2·6	53·8	59·4	60·7	58·0
	Muktesar	7,556	22·747	22·692	·055	22·713		22·671	77·3	60·1	17·2	85·5	52·2	33·3	70·0	72·4	67·9		52·1	57·3	60·0	56·5
	Katmandu	4,388	25·466	25·383	·083	25·421	+·018†	25·375	85·3	67·2	18·1	94·4	61·0	33·4	78·8	80·8	75·4	+1·5†	6[illegible]·7	69·8	70·2	68·2
	Darjeeling	7,376	22·924	22·873	·051	22·895	—·001	22·849	67·2	56·8	10·4	70·2	53·2	17·0	63·4	64·4	61·2	+1·3	56·0	61·7	62·8	60·2
	Pachmarhi	3,528	26·276	26·192	·084	26·235	+·004	26·183	90·1	74·1	16·0	98·7	65·6	33·1	80·5	88·2	81·3	+3·1	64·6	8[illegible]·8	69·4	67·6
	Mount Abu	3,945	25·895	25·832	·063	25·865	+·019	25·815	84·3	68·7	15·6	91·7	64·0	27·7	77·1	82·9	75·7	+0·8	63·4	67·2	68·1	66·3
	Chikalda	3,642	26·183	26·090	·093	26·138	+·011	26·081	8[illegible]·2	69·2	18·0	98·1	60·9	37·2	76·8	84·7	77·4	+2·0	63·8	67·1	6[illegible]	66·8
	Ootacamund	*7,329*	23·017	22·951	·066	22·981		[illegible]·017	64·9	52·2	12·7	72·8	46·0	26·8	61·9	60·5	57·8		49·6	56·5	56·2	54·1
	Kodaikanal	7,688	22·805	·745	·060	·775		·710	65·0	53·7	11·3	70·0	50·7	19·3	62·1	59·3	59·4		49·5	55·9	56·0	53·[illegible]
	Dodabetta	8,539‡	21·976	21·928	·048	21·919		21·886	58·7	49·3	9·4	68·3	[illegible]5·3	23·0	55·9	55·4	53·2		45·5	50·1	50·5	48·7
	Extra India.																					
	Minicoy	7	29·930§	29·853§	·077	29·897																
	Zanzibar	72	30·098	30·001	·097	30·055	+·011	30·054	82·0	74·2	7·8	84·0	72·1	11·9	77·4	81·0	77·5	+0·2	70·1	73·6	73·1	72·3
	Diego Garcia¶‡		29·962	29·899	·063	29·931			83·0	76·0	7·0	84·8	72·0	12·8	79·4	80·5	79·5			74·9	74·6	
	Seychelles	15	29·993	29·927	072	29·965	+·018†	29·904	83·1	78·0	5·1	84·4	74·1	10·3	81·3	82·1	79·5	+1·9†	72·0	75·4	75·7	74·4
	Mauritius	181				·999	+·023	30·130				81·7	57·7	24·0			69·7	+1·0				65·3

‡ Readings uncorrected.

N.B.—Elevations in italics indicate barometric determinations.

NOTE—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,000 feet.

§ Mean of 29 days.

† Departure from old normals.

A—*concluded.*

37 stations, in India, etc., in June, 1908—concluded.

Vapour tension, in inches of mercury.					Humidity.					Cloud.				Wind direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of subdivision.
														Total number of 10 hrs. and 16 hrs. winds from																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															Hill Stations excluding Kashmir and Baluchistan.	
·289	·297	·316	·300	—·087	52	40	37	43	−18	2·2	3·3	2·8	−2·9	1	30	1	2		6	5	5	10	N 24° W	N 17° W	52	20	132*	108	1·16	0·40	Simla	
	·284	·312				40	42			3·0	5·9	4·5		8	2	2	5	3	11	24	4	1	S 27° W		48		84*		3·31	1·10	Sarain.	
	·210	·233				53	54			3·1	6·4	4·8		6	33		2	1	8		1	9	N 9° W		52		293*		5·47	1·33	Kalabagh.	
·328	·377	·410	·371	—·039	31	52	55	56	−10	3·4	4·4	3·9	−1·2	10	3			7	40				S 7° E	S 66° W	70	48	160*	178	3·84	0·82	Chakrata.	
·313	·342	·393	·348		63	51	53	56		4·2	5·7	5·0		4			3	1	1	4	44	3	S 87° W		75		201*		2·97	0·93	Muktesar.	
·585	·625	·622	·610	— ·030	88	64	61	71	— 5	5·5	5·9	5·7	—0·5		2	4	19	1		3	29	2	N 72° W	N 87° W	18	20	39	31	6·59	1·65	Katmandu.	
·447	·533	·556	·511	+·019	96	91	92	93	— 1	8·4	8·8	8·6	—0·2	10		1	2	2		18	10	17	S 87° W	S 15° W	48	8	74*	122	17·52	3·10	Darjeeling.	
·499	·572	·501	·528	—·086	62	58	42	54	−11	2·4	3·5	3·0	−3·8	1	2	1				13	20	23	N 78° W	N 81° W	74	63	307*	221	10·41	3·17	Pachmarhi.	
·529	·557	·518	·538	—·028	77	62	48	62	− 4	5·5	4·3	4·9	+0·1					2	9	40	5	4	S 44° W	S 48° W	83	66	281*	274	8·11	2·93	Mount Abu.	
·538	·555	·539	·546	—·051	75	63	49	62	− 8	5·9	6·7	6·3	−0·4	6	2				1			51	N 44° W	N 42° W	87	58	178*	242	10·57	2·86	Chikalda.	
·331	·404	·410	·378		84	73	77	78		7·4	8·7	8·1		3		2	3	2	5	7	28	10	S 85° W		59		161*		2·54	0·35	Ootacamund.	
·316	·388	·418	·374		76	70	83	76		6·2	8·7	7·5		1	2	1	1	10	7	1	18	19	N 87° W		38		356		2·35	0·32	Kodaikanal.	
·269	·304	·319	·293		77	69	72	73		8·5	9·4	9·0			4	3	1	8	3	4	33	4	S 85° W		50		891*		2·07	0·40	Dodabetta.	
																															Extra India.	
										7·7	7·8	7·8								7	43	10	N 88° W		92		338*		18·58	2·71	Minicoy.	
·686	·778	·711	·763	+·025	81	83	68	79	+ 2	6·7	5·4	6·1	+1·3	1				14	29	14	2		S 2° W	S 4° E	82	87	189*	211	3·85	1·06	Zanzibar.	
	·808	·783				80	75			4·1	13·7	3·9		2	1		10	37	10				S 46° E		85		144		7·80	4·94	Diego Garcia.¶	
·712	·809	·807	·792	+·011	74	75	73	76	— 3	5·7	6·1	5·9	−1·2†	1				47	10	1	1		S 38° E	S 27° E	90	81	280	258	4·52	1·37	Seychelles.	
			·555	+·017				77	+ 1			5·2	+0·3										S 75° E	S 60° E			270	269	4·83	1·90	Mauritius.	

¶ Observations of 9 hrs. and 15 hrs. * Corrected.

Table B.—Abstract of observations taken at 8 hrs. at 239 stations in India, etc., in June, 1908.

(1) Provincial means.

(2) Data of stations.

Provincial data based on the material in Table B except that the statement of rainfall depends on the complete data of about 2,700 stations.

	Pressure departure from normal.	Temperature of air.								Wind.		Hygrometry.				Cloud.		Rainfall.		
		Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Absolute range during month.	Departure of velocity from normal.	Departure of steadiness from normal.	Mean humidity.	Departure from normal.	Mean vapour tension.	Departure from normal.	Mean cloud amount.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.
Burma	—·007	88·3	—0·5	76·1	+0·3	82·2	—0·1	12·2	22·2	—0·3	+ 3	87	+ 1	·886	—·008	7·8	+0·4	16·08	15·12	+0·96
Eastern Bengal and Assam	—·016	89·1	+0·7	77·0	+0·1	83·1	+0·4	12·2	23·6	—0·4	— 1	88	— 1	·934	—·004	6·7	—0·5	14·17	17·10	—2·93
Bengal	—·021	96·0	+1·2	79·8	+0·8	87·9	+1·0	16·2	34·6	+0·3	— 1	77	— 3	·903	—·015	6·1	—0·1	9·54	9·39	+0·15
United Provinces of Agra and Oudh.	—·023	104·8	+5·0	82·9	+2·2	93·9	+3·6	21·8	40·4	0	0	53	—14	·719	—·084	2·7	—2·1	2·14	5·00	—2·86
Punjab	—·016	108·7	+3·3	82·7	+1·5	95·7	+2·4	26·1	42·1	+0·4	— 7	39	—13	·569	—·139	1·5	—1·2	0·55	2·03	—1·48
North-West Frontier Province	—·016	109·4	+2·4	79·4	+0·2	94·4	+1·3	30·0	47·8	—0·3	— 3	34	—17	·490	—·206	1·3	—0·4	0·32	0·84	—0·52
Sind	+·018	104·7	+1·0	82·3	—0·4	93·5	+0·3	22·3	36·4	—4·6	+ 2	66	+ 3	·878	+·028	3·1	—0·2	0·07	0·41	—0·34
Rajputana	+·010	104·0	+0·9	83·4	+1·6	93·7	+1·3	20·7	36·3	+1·9	+18	54	— 7	·713	—·050	2·3	—1·8	1·61	2·70	—1·09
Bombay	+·027	93·1	+1·6	77·8	+0·6	85·5	+1·2	15·4	26·6	—0·6	+ 3	73	— 4	·813	—·039	5·7	—0·9	5·56	9·42	—3·86
Central India	+·004	102·1	+3·9	81·7	+2·7	92·0	+3·3	20·4	34·9	+0·6	+19	62	— 7	·780	—·028	5·7	+0·7	2·75	6·96	—4·21
Central Provinces	+·005	100·2	+3·5	79·2	+1·7	89·7	+2·6	21·0	40·3	+2·3	+13	57	—10	·653	—·083	5·8	0	7·56	6·87	+0·69
Hyderabad	+·018	98·2	+3·9	76·5	+1·8	87·4	+2·8	21·7	38·0	+0·3	+ 7	61	—10	·654	—·071	5·6	—0·2	3·62	4·76	—1·14
Mysore	+·004	85·4	+1·8	67·6	0	76·5	+0·9	17·8	27·4	+1·2	0	80	— 2	·644	—·009	7·3	—0·8	3·20	4·24	—1·04
Madras	+·008	95·7	+1·8	78·6	+0·6	87·1	1·2	17·1	29·2	+1·3	+ 6	69	— 4	·785	—·022	6·3	—0·1	4·28	5·40	—1·12

Table

Abstract of observations taken at 8 hrs. at 239

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma.																						
2	Mergui	56	29·821	+·011	29·808	29·889	12th	29·734	1st	·155	77·6	84·9	−0·8	74·6	+1·5	79·7	+0·4	10·3	89·9	5th, 6th & 7th.	72·4	13th	17·5
	Tavoy	19	29·859	+·014	29·810	29·918	3rd & 16th.	29·755	1st	·163	77·4	83·3	−1·5	75·1	+0·4	79·2	−0·6	8·2	90·0	7th	72·8	2, 1st. 22nd	17·2
	Moulmein	94	29·730	+·008	29·762	29·785	12th	29·629	1st	·156	77·9	84·3	−0·3	74·6	−0·2	79·5	−0·3	9·7	87·5	6th & 10th.	73·3	7 days	14·2
	Rangoon	36	29·754	−·008	29·727	29·823	3rd	29·636	1st	·187	79·7	86·0	−0·5	75·9	−0·6	80·9	−0·6	10·1	92·6	6th	73·4	24th	19·2
	Bassein	27†	29·745	−·004	29·709	29·823	3rd	29·659	1st	·164	79·1	86·7	+0·4	76·0	−0·3	81·3	+0·1	10·7	93·2	1st	72·9	1st	20·3
	Diamond Island	41	29·728	−·014	29·704	29·809	3rd	29·661	29th	·148	82·1	85·6	0	77·3	+0·9	81·5	+0·5	8·3	88·9	6th & 8th.	72·2	1st & 2nd.	16·7
	Toungoo	164	29·610	0	29·717	29·682	3rd	29·496	28th	·186	78·8	88·6	−0·5	75·8	+0·3	82·2	−0·1	12·8	94·4	6th & 8th.	73·6	4th	20·8
	Kyaukpyu	18	29·699*		29·658*	29·807	3rd	29·611	20th	196													
	Akyab	20	29·680	−·021	29·643	29·786	3rd	29·592	20th	·194	80·4	85·8	−0·2	75·0	−0·1	81·9	−0·2	7·8	90·9	1st	74·3	3rd	16·6
3	Thayetmyo	121	29·621	−·001	29·683	29·687	3rd	29·537	20th	·150	80·7	90·4	−1·0	76·7	−0·1	83·6	−0·6	13·7	97·5	1st	73·9	4th	23·6
	Minbu	*165*	29·572†	+·006†	29·681†	29·661	3rd	29·474	20th	·187	81·9	94·8	+1·8	78·0	+0·2	86·4	+1·0	16·8	104·2	7th	72·1	22nd & 23rd.	32·1
	Yamethin	657	29·065	−·028	29·674	29·146	3rd	28·960	20th	·186	79·0	89·6	−2·3	75·3	0	82·4	−1·2	14·3	93·8	8th	73·0	4th, 23rd & 24th.	20·8
	Mandalay	250	29·488‡	−·017	29·656‡	29·552	13th	29·384	21st	·168	83·1	96·5	+1·5	79·7	+1·2	88·1	+1·4	16·8	105·0	1st	76·3	3rd	28·7
	Monywa	*280*	29·452		29·671	29·516	8th	29·362	20th	·154	82·8	96·0		79·5		87·8		16·5	101·8	29th	60·6	1st	41·2
	Lashio	*2,751*	26·960	−·032	26·906	27·013	8th	26·890	21st	·123	73·4	83·0	−2·5	69·7	+0·4	76·4	−1·1	13·3	86·3	4 days	66·0	6th & 7th.	20·3
	Bhamo	*381*	29·328	+·001	29·665	29·394	8th	29·232	20th	·162	78·3	89·5	−1·0	75·4	+0·5	82·4	−0·3	14·1	97·9	7th	72·6	5th	25·3
	Myitkyina	458	29·226		29·644	29·302	14th	29·129	20th	·173	78·0	87·7		76·2		81·9		11·5	91·2	7th	73·6	17th	20·6
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	353	29·301		29·614	29·400	8th	29·184	20th	·216	78·6	88·1		75·8		82·0		12·3	93·9	2nd	72·6	6th	21·3
	Sibsagar	333	29·355	+·004	29·641	29·457	8th	29·222	20th	·235	80·6	88·8	−0·5	76·8	+0·4	82·8	−0·1	12·0	93·6	14th	72·2	6th	21·4
	Tezpur	252	29·405†		29·614†	29·495	7th	29·300	21st	·195	80·9	89·6		77·2		83·4		12·4	94·1	2nd	73·9	6th	20·2
	Gauhati	195	29·460		29·610	29·615	8th	29·331	20th	·284	80·8	90·2		77·1		83·7		13·2	95·0	3rd	73·1	6th	21·9
	Dhubri	115	29·511	−·025	29·581	29·651	8th	29·319	20th	·332	78·6	86·8	+1·1	76·0	−0·4	81·4	+0·4	10·8	91·2	2nd & 3rd.	70·8	5th & 6th.	20·4
	Silchar	104	29·578	−·009	29·635	29·692	8th	29·421	20th	·271	81·1	90·9	+1·5	76·5	+0·3	83·7	+0·9	14·4	95·5	18th	71·8	6th	23·7
5	Cox's Bazar	26	29·632			29·722	3rd	29·513	21st	·209													
	Chittagong	87	29·578	−·019	29·613	29·708	8th	29·420	18th	·288	81·2	87·5	+0·9	76·0	−0·6	81·8	+0·2	11·5	91·1	1st & 2nd.	69·9	7th	21·2
	Noakhali	43	29·610		29·600	29·710	8th	29·441	18th	·269	82·3	87·0		78·4		82·7		8·6	92·8	2nd	70·9	7th	21·9
	Barisal	12	29·610	−·024	29·568	29·748	8th	29·424	18th	·324	83·3	89·5	+0·8	78·3	+0·1	84·0	+0·5	11·2	96·3	2nd	69·6	6th & 7th.	26·7
	Comilla	36	29·616		29·600	29·737	8th	29·428	18th	·309	82·1	89·4		77·4		83·4		12·0	95·3	2nd	71·3	7th	24·0
	Narayanganj	26	29·604	−·010	29·578	29·741	8th	29·396	20th	·345	82·5	90·3	+1·3	77·9	−0·4	84·1	+0·5	12·4	95·5	3rd	71·8	7th	23·7
	Faridpur	46	29·574		29·570	29·722	8th	29·345	20th	·377	82·1	89·2		76·6		82·9		12·6	95·3	3rd & 6th.	68·4	6th	26·9
	Sirajganj	49	29·560		29·558	29·771	8th	29·275	20th	·496	80·3	88·6		76·6		82·6		12·0	94·3	2nd & 3rd.	69·8	9th	24·5
	Mymensingh	62	29·578	−·020	29·592	29·717	8th	29·335	20th	·382	80·8	87·8	+0·6	76·5	−0·4	82·2	+0·1	11·3	92·1	2nd	71·6	3rd & 7th.	20·5
	Bogra	75	29·539	−·022	29·566	29·716	8th	29·296	19th	·420	80·9	88·8	−1·0	77·2	0	83·0	−0·5	11·6	94·7	2nd	71·7	6th	23·0
	Rampur Boalia	70	29·525		29·544	29·727	8th	29·223	19th	·504	82·0	90·8		77·6		84·2		13·2	102·1	4th	67·1	5th	35·0
	Malda	72	29·519†		29·543†	29·699	8th	29·358	20th	·341	81·7	91·2		77·9		84·6		13·3	100·3	4th	70·0	6th	30·3
	Dinajpur	123	29·477	−·021	29·555	29·640	8th	29·273	19th	·367	80·1	90·3	+0·8	76·9	−0·6	83·6	+0·1	13·4	96·3	1st & 2nd.	72·0	6th	24·3
	Rangpur	123	29·511‡		29·589†	29·668	8th	29·323	20th	·345	81·2	88·8		76·4		82·6		12·4	94·1	2nd	72·0	12th	22·1

* Mean of 27 days.
" " 29 "

‡ Mean of 28 days.

N.B.—Elevations in italics indicate barometrical determinations.
NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plate

B.

stations, in India, etc., in June, 1908.

Wind direction. Number of winds from: Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs., in inches of mercury.	Departure from normal, in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th June 1908.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																I.—Burma.
30									(a)	S 79° W	1·3	1·8	−0·5			95	+ 4	·881	−·013	5·4	−1·9	26	24·20	+1·80	32·33	30·29	+ 2·04	53·30	49·55	+ 3·75	3·10	Mergui.
30									(a)	S 55° W	1·0§	2·1	−1·1			92	0	·869	−·019	7·8	+0·2	30	25·80	+4·20	42·02	39 88	+ 2·14	69·34	65·93	+ 3·41	3·65	Tavoy.
8		2	9	6	4	1			S 16° E	S 14° E	5·9	3·7	+2·2	53	+ 1	93	+ 1	·889	−·001	8·7	+0·8	27	26·10	+0·90	30·49	36·38	− 5·89	59·66	55·78	+ 3·88	3·57	Moulmein.
1	1		2	18	5	3			S 11° W	S 37° W	5·8	5·1	+0·7	76	+ 9	90	− 3	·922	−·006	8·7	−0·1	27	24·80	+2·20	21·65	17·52	+ 4·13	35·36	28·74	+ 6·62	2·38	Rangoon.
4			5	9	7	4	1	1	S 20° W	S 13° W	5·8‖	4·6	+1·2	59	0	92	0	·925	−·014	7·0	−1·0	24	21·50	−0·50	26·70	23·42	+ 3·28	32·06	33·72	− 1·66	3·93	Bassein.
			2	7	18	3			S 34° W	S 39° W	11·6	9·6	+2·0	82	+12	84	+ 1	·929	+·026	7·9	−0·5	22	21·73	+0·27	27·61	23·17	+ 4·44	48·62	33·50	+15·02	6·48	Diamond Island.
		1	1	16	12				S 30° E	S 32° E	6·2	5·1	+1·1	85	+ 1	90	0	·892	−·034	9·9	+1·0	22	20·80	+1·20	20·25	14·15	+ 6·10	29 47	20·43	+ 9·04	1·73	Toungoo.
		1	3	12	7	2	5		S 17° E		5·2			57						8·1		25			42·63			48·89			5·67	Kyaukpyu.
2	1	6	7	4	6	3			S 63° E	S 48° E	4·2	3·8	+0·4	43	− 9	93	0	·961	−·011	8·6	−0·4	22	24 40	−2·40	36·55	44·79	− 8·24	42·27	56·67	−14·40	3·86	Akyab.
			5	15	10				S 8° W	S 6° E	5·6§	7·7	−2·1	83	− 7	82	− 1	·863	−·011	9·1	+0·8	13	13·90	−0·90	7·63	6·34	+ 1·29	12·58	10·47	+ 2·11	2·58	Thayetmyo.
				26	3		1		S 39° E	S 48° E	7·8	11·7	−3·9	86	+15	80	− 2	·880	−·010	7·5	+1·8	7	9·10	−2·10	4·91	4·54	+ 0·37	9·11	10·55	− 1·44	1·65	Minbu.
3				12	15				S 19° E	S 29° E	7·1	9·9	−2·8	82	− 4	84	+ 3	·834	−·016	8·0	+2·8	5	7·40	−2·40	5·75	4·26	+ 1·49	9·96	11·02	− 1·06	2·13	Yamethin.
4				17	8	1			S 29° E	S 1° W	7·9	8·8	−0·9	79	+ 7	75	0	·849	−·017	1·9	−4·7	5	6·50	−1·50	2·84	5 79	− 2·95	8·67	11·34	− 2·67	1·15	Mandalay.
		1	2	17	10				S 35° E		5·9 ¶			82		76		·859		8·1		6	6 80	−0·80	1·52	5·26	− 3·74	8·37	8·80	− 0·43	0·37	Monywa.
16	1	1			7	4	1		S 21° W		2·8§			27		88	+ 1	·730	0	8·3	+0·1	18			8·68	10·70	− 2·02	14·42	16·83	− 2·41	2·04	Lashio.
18	2	6				3		1	N 17° E	N 81° W	1·7	2·4	−0·7	17	+ 7	93	+ 4	·902	+·016	8·8	+1·2	23	19·10	+3·90	17·53	13·72	+ 3·81	22·69	20·18	+ 2·51	1·97	Bhamo.
22		1	3	2	1			1	S 77° E		1·2§			13		92		·887		9·1		24			17·00			19 39			2·44	Myitkyina.
																																II.—Eastern Bengal and Assam.
30									(a)		0·1					92		·894		8·7	−0·8	21	18·10	+2·90	26·60	19·03	+ 7·57	39·11	33·63	+5·48	4·35	Dibrugarh.
12		11	1	1		3	1	1	N 45° E	N 70° E	2·1	2·8	−0·7	27	+ 2	90	− 2	·941	+·003	8·0		18	16·70	+1·30	9·19	13·59	− 4·40	20·67	26·21	− 5·54	1·20	Sibsagar.
4		7	5	6		6	1	1	S 71° E		4·2			27		90		·928		5·2		14	16·00	−2·00	9·50	11·87	− 2·37	19·92	21·99	− 2·07	2·25	Tezpur.
17	3	2	1	1	2	1	1	2	N		1·7			8		88		·932		8·2	−0·5	15	14·50	0·50	11·82	11·22	+ 0·60	24·63	20·98	+ 3·65	3·25	Gauhati.
1	1	6	11	3	2	5		1	S 82° E	N 77° E	6·3	5·7	+0·6	43	− 1	95	+ 4	·937	+·035	7·6	−4·0	21	18·10	+2·90	18·19	23·17	− 4·98	30·13	38·60	− 8·47	2·95	Dhubri.
20			5	4			1		S 66° E	N 85° E	4·0	2·8	+1·2	23	+18	87	− 2	·928	+·005	5·0		21	21·10	−0·10	15·81	21·99	− 6·18	33·55	39·23	− 5·68	3·80	Silchar.
			1	18	6	2	1		S 29° E		7·5§			72						5·9	−2·3	16			24·70			33·99			6·25	Cox's Bazar. **
2			2	22	4				S 42° E	S 44° E	6·3	7·0	−0·7	82	+ 8	85	− 1	·903	−·019	5·5		15	16·74	−1·74	14·69	21·76	− 7·07	23·96	32·07	−8·11	4·09	Chittagong.
1			1	18	9	1			S 31° E		7·0			82		86		·947		5·6	−1·3	14	18·39	−4·39	14·12	23·29	− 9·17	24·87	33·35	− 8·48	2·16	Noakhali.
13	1			4	8	4			S	S 17° E	1·4	4·4	−3·0	42	+ 1	86	− 1	·987	+·003	6·8		17	16·52	+0·48	13·14	15·02	− 1·88	18·26	24·21	− 5·95	2·58	Berisal.
2				16	12				S 26° E		6·1			87		83		·923		4·0	−0·8	17	17·39	−0·39	20·47	17·91	+ 2·56	36·46	28·92	+ 7·54	6·44	Comilla.
2		1	5	14	5	3			S 39° E	S 32° E	5·9	7·6	−1·7	68	− 4	88	− 1	·971	−·011	7·7		13	15·39	−2·39	11·90	12·64	− 0·74	24·90	22·03	+ 2·82	3·30	Narayangan j.
1			5	6	14	4			S 16° E		4·8			73		89		985		7·2		18	14·28	+3·72	17·05	12·75	+ 4·30	24·54	21·05	+ 3·49	3·28	Faridpur.
7			11	9	3				S 62° E		4·2			63		89		·924		7·7	+1·5	13	13·32	−0·32	11·69	11·57	+ 0·12	16·97	19·52	− 2·55	2·23	Sirajganj.
3		2	12	9	3	1			S 66° E	S 61° E	4·0	4·0	0	69	+ 2	88	− 2	·925	−·012	9·1	0·4	17	18·19	−1·19	17·02	17·34	− 0·32	24·26	30·30	− 6·04	2·86	Mymensingh.
13		2	14	1					N 87° E	S 66° E	3·4	4·0	−0·6	53	−14	87	− 1	·922	−·030	7·1		15	14·35	+0·65	8·19	12·90	− 4·71	19·43	20·94	− 1·51	0·99	Bogra.
15		1	2	6	4	2			S 34° E		6·2			37		85		·939		7·0		16	12·58	+3·42	10·58	10·70	− 0·12	15·14	16·24	− 1·10	2·35	Rampur Boalia.
4	1	5	8	9	2			1	S 80° E		6·2§			57		90		·987		4·8	−1·0	10	12·16	−2·16	9·23	9· 9	− 0·66	13·02	13·74	− 0·72	2·53	Malda.
	2	4	17	4	2	1			S 88° E	S 78° E	5·6	4·4	+1·2	72	− 2	89	0	·920	−·008	7·0		9	13·45	−4·45	7·53	13·17	− 5·64	12·46	21 62	− 9·16	1·90	Dinajpur.
10		5	2	8	3		1		S 66° E		2·5			40		86		·922		3·1		14	15·61	−1·61	14·72	20·01	− 5·29	18·57	30·22	−11·75	3·07	Rangpur.

stations, the elevations of which exceed 3,200 feet. (a) Indeterminate. § Uncorrected ‖ Mean of 26 days. ¶ Mean of 21 days. ** Wind observation of 28 days.

Table

(2) *Abstract of observations taken at 8 hrs. at 239*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	II—Eastern Bengal and Assam—*concld.*																						
5	Jalpaiguri	283	29·357	−·011	29·597	29·521	8th	29·187	20th	·331	80·1	89·5	+1·6	77·4	+2·2	83·5	+1·9	12·1	94·4	2nd & 25th.	73·6	5th & 6th	20·8
	Cooch Behar	156	29·485		29·596	29·641	8th	29·305	20th	·336	79·8	88·6		76·0		82·3		12·6	95·3	2nd & 3rd	71·1	5th	22·2
	III.—Bengal.																						
6	Saugor Island	26	29·557	−·026	29·526	29·697	8th	29·382	24th	·315	85·2	90·3	−0·1	81·6	−0·1	86·0	−0·1	8·7	96·5	14th	76·0	4th	20·5
	Midnapore	149	29·431		29·525	29·553	3rd	29·242	24th	·311	83·1	93·7		79·0		86·3		14·7	103·3	13th	73·7	2nd	29·6
	Calcutta	21	29·567	−·019	29·533	29·709	8th	29·377	18th	·332	83·8	92·0	+0·9	79·9	+1·4	86·0	+1·2	12·1	101·1	14th	74·7	19th	26·4
	Jessore	35	29·567	−·022	29·546	29·725	8th	29·305	18th	·420	83·4	90·2	−1·3	78·4	−0·4	84·3	−0·9	11·8	97·5	4th	71·2	6th	26·3
	Krishnagar	47	29·541		29·530	29·700	8th	29·318	19th	·382	82·7	93·1		79·2		86·2		13·9	103·1	4th	74·0	6th	29·1
	Burdwan	99	29·481	−·025	29·527	29·654	8th	29·276	19th	·378	83·3	93·4	−0·4	79·5	+0·2	86·5	−0·1	13·9	103·4	13th	75·8	4th, 7th & 22nd.	27·6
	Bankura	313	29·218		29·509	29·585	8th	29·069	19th	·316	83·5	95·4		78·9		87·2		16·5	108·6	13th	71·2	4th	37·4
	Raniganj	334	29·246		29·530	29·405	8th	29·057	19th	·348	82·5	95·		78·5		87·0		16·2	109·5	13th	75·0	10th & 21st.	34·5
	Berhampore	67	29·521	−·024	29·537	29·732	8th	29·257	19th	·475	82·5	93·9	+1·5	78·5	0	86·2	+0·8	15·4	106·3	6th	72·2	6th	34·1
	Naya Dumka	489	29·083*		29·525*	29·187	8th	28·897	19th	·290	82·6*	94·2		76·5		86·3		15·7	106·4	13th	73·5	14th	32·9
7	Balasore	50	29·530	−·023	29·523	29·652	8th	29·287	24th	·365	84·4	93·0	−1·1	80·1	+1·5	86·6	+1·3	12·9	104·9	6th	74·8	24th	30·1
	False Point	21	29·589†	−·012†	29·551†	29·707	8th	29·336	24th	·371	84·4	89·2	−1·1	79·3	−0·8	84·2	−1·0	9·9	93·1	1st, 4th, & 14th.	70·1	18th	23·0
	Cuttack	80	29·500†	−·026	29·529†	29·629	8th	29·284	24th	·345	83·7	96·4	+0·9	78·9	−1·2	87·7	−0·2	17·5	111·4	7th	71·2	10th	40·2
	Puri	24	29·585		29·548	29·690	8th	29·397	24th	·293	84·5	88·8		80·9		84·9		7·9	94·1	2nd	66·6	25th	27·5
	Angul	455	29·140		29·549	29·243	8th	28·932	24th	·311	83·8	97·4		78·0		88·2		18·4	111·1	1st & 7th	71·0	11th	40·1
	Sambalpur	486	29·101	−·028	29·527	29·178	8th	28·955	24th & 25th.	·223	87·6	99·8	+2·5	82·8	+2·1	91·3	+2·3	17·0	113·1	1st	74·6	4 days.	38·5
8	Chaibassa	*733*	28 838	−·020	29·515	28·940	3rd	28·674	24th	·266	83·4	98·2	+2·0	79·7	+0·9	89·0	+1·5	15·5	112·3	6th	73·7	22nd & 24th	38·6
	Ranchi	2,128	27·485	−·013	29·527	27·633	8th	27·359	24th	·274	81·8	93·9	+2·8	76·8	+2·2	85·4	+2·5	17·1	108·7	6th	70·4	20th & 28th.	38·3
	Purulia	*816*	28·749		29·507	28·869	8th	28·600	19th	·269	81·5	97·3		78·8		88·1		15·5	113·0	6th	72·1	23rd	40·9
	Hazaribagh	2,007	27·590	−·017	29·511	27·737	8th	27·488	19th	·249	83·4	95·3	+2·8	77·9	+2·1	86·6	+2·5	17·4	108·7	6th	71·3	28th	37·4
	Daltonganj	*730*	28·637		29·507	29·011	8th	28·742	25th	·269	89·6	105·1		83·3		94·2		21·8	114·0	5th & 6th	76·0	22nd	38·0
9	Purnea	122	29·477	−·013	29·555	29·627	8th	29·308	19th	·319	80·7	91·9	−0·2	77·4	+0·1	84·7	−0·1	14·5	99·2	4th	70·7	6th & 8th	28·5
	Bhagalpur	160	29·417†		29·528†	29·579	8th	29·273	19th	·306	84·1	95·7		78·9		87·2		16·8	105·2	3rd & 4th	71·3	6th	33·9
	Monghyr	155	29·415		29·529	29·656	8th	29·271	19th	·385	85·6	98·3		79·0		88·7		19·3	107·9	4th	65·4	8th	42·5
	Darbhanga	165	29·422	−·013	29·541	29·626	8th	29·300	19th	·326	83·6	95·6	+3·2	79·5	+0·3	87·6	+1·8	16·1	102·1	2nd	70·3	2nd	31·8
	Pusa	166	29·414		29·531	29·640	8th	29·295	10th	·345	85·1	98·9		79·6		89·3		19·3	109·0	4th	73·1	8th & 9th	35·9
	Muzaffarpur	176	29·410		29·541	29·611	8th	29·289	19th	·322	85·8	96·9		80·0		88·4		16·9	107·7	4th	71·0	8th	36·7
	Motihari	224	29·356		29·538	29·478	8th	29·234	19th	·244	84·0	97·0		79·9		88·5		17·1	107·4	4th	69·3	8th	38·1
	Chapra	181	29·382‡		29·515‡	29·503	8th	29·276	20th	·227	86·1	99·5		78·7		88·8		20·8	110·7	4th	71·6	8th	39·1
	Patna	183	29·381	−·022	29·515	29·541	8th	29·289	19th	·252	86·2	98·2	+1·8	81·2	+1·2	89·7	+1·5	17·0	109·0	4th	71·2	8th	37·8
	Arrah	190	29·374*		29·514*	29·510	8th	29·280	19th	·230	86·4*	100·0*		81·4		90·7*		18·6	111·9	4th & 5th	70·2	8th	41·7
	Buxar	239	29·296*		29·486*	29·395	9th	29·201	19th	·194	87·3	101·2		82·5		91·9		18·7	113·0	5th	71·1	8th	41·9
	Dehri	251	29·192		29·491	29·320	8th	29·123	29th	·197	88·5	104·0		83·1		93·6		20·9	114·3	5th & 6th	75·0	8th	39·3
	Gaya	375	29·171	−·031	29·493	29·360	8th	29·102	19th	·258	88·1	102·3	+2·7	82·7	+2·5	92·5	+2·6	19·6	113·9	6th	74·7	8th	39·2
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·307	−·008	29·518	29·420	8th	29·179	19th	·241	85·7	99·9	+2·0	80·7	+1·0	89·8	+1·5	18·2	110·4	4th & 5th	72·5	8th	37·9
	Benares	267	29·274	−·023	29·489	29·288	8th	29·175	19th	·213	91·2	104·8	+4·7	83·5*	+1·6	94·3*	+3·2	21·3	113·6	4th & 5th	69·1	8th	44·5
	Allahabad	309	29·210†	−·042†	29·460†	29·330	8th	29·121	29th	·209	91·8	107·3	+5·6	84·9	+2·4	96·1	+4·0	22·4	115·6	5th	79·6	3rd & 18th	36·6

N.B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to

* Mean of 29 days. † Uncorrected. ‡ Mean of 25 days.

B—*continued.*

stations, in India, etc., in June, 1908—continued.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal, in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th June 1908.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																II.—Eastern Bengal and Assam—*contd.*
15		7	3	5					N 83° E	S 86° E	2·4*			37	−21	87*	− 2	·899*	−·008	9·0	+3·5	15	18·66	−3·66	17·69	22·86	−5·17	33·07	34·90	−1·83	2·66	Jalpaiguri.
12		1	12	4		1			S 79° E		2·2			50		87		·893		8·2		22	19·24	+2·76	28·36	32·15	−3·79	55·88	47·41	+8·47	5·06	Cooch Behar.
																																III.—Bengal.
	2	1			3	14	9		1	S 13° W	S 11° W	21·3†	15·9	+5·4	66	+ 7	84	− 1	1·015	+·001	7·5	−1·0	14	12·10	+1·90	13·82	10·02	+3·80	15·63	15·11	+0·52	5·27	Saugor Island.
2	4	1			5	16	1			S 14° E		5·0‡			57		83		·933		6·5		12	12·0ɔ	0	8·43	10·51	−2·08	17·78	16·20	+1·58	3·57	Midnapore.
1		3	2	8	7	8	1			S 11° E	S 4° E	7·3†	5·9	+1·4	53	+ 5	81	− 1	·984	+·012	7·8	+0·5	10	12·88	−2·88	26·12	11·35	+14·77	30·76	17·03	+3·73	11·95	Calcutta.
12		1	2	7	6	2				S 28 E	S 27° E	2·4	4·5	−2·1	46	− 6	89	+ 1	1·004	−·005	7·4	−0·5	16	14·55	+1·45	15·93	12·56	+3·37	22·02	20·50	+1·52	4·36	Jessore.
2	1	2	5	7	8	3	1	1		S 34° E		5·3			50		88		·983		6·7		15	12·19	2·81	19·36	9·88	+9·48	21·87	16·43	+5·54	1·85	Krishnagar.
6	2	2	4	1	5	7	2	1		S 13° W	S 4° E	4·1	4·9	−0·8	23	−21	86	+ 4	·975	+·043	8·9	+1·4	12	12·71	−0·71	18·33	9·92	+8·41	26·20	16·27	+9·93	7·45	Burdwan.
19			2	4	3	2				S 23° E		2·8			27		79		·894		3·7		13	11·89	+1·11	16·61	10·32	+6·29	20·63	14·21	+6·42	4·63	Bankura.
11	1		6	7	1	1	1	2		S 03° E		3·0			30		84		·938		5·7		11	12·21	−1·21	11·17	9·93	+1·24	14·07	13·70	+0·37	1·92	Raniganj.
1		2	7	8	7	4	1	2		S 42° E	S 35° E	5·9	4·7	+1·2	49	− 3	83	− 6	·914	−·058	8·0	−0·1	14	12·00	+2·00	17·85	9·51	+8·31	18·78	14·95	+3·83	5·43	Berhampore.
18	2	2	5	1	2					N 82° E		2·4§			23		79*		·884*		4·5		13	12·03	+0·97	13·41	9·96	+3·45	14·62	13·56	+1·06	2·45	Naya Dumka.
3	1	1			1	10	12	2		S 28° W	S 32° W	4·7	7·2	−2·5	62	+ 3	79	− 6	·922	−·060	6·5	−1·5	11	11·00	0	8·28	11·32	−3·04	11·70	17·29	−5·53	2·02	Balasore.
2			1	1	7	13	6			S 38° W	S 43° W	12·5	12·5	0	69	+ 2	85	+ 1	1·007	+·011	8·0	0	10	9·27	+0·73	9·94	8·30	+1·64	10·32	13·53	−3·21	3·26	False Point.
12	1	2	2	1	4	4	3	1		S 29 W	S 47° W	4·2†	4·0	+0·2	17	−42	81	+ 3	·940	+·027	6·4	−0·6	12	11·26	+0·74	17·30	10·82	+6·48	19·17	15·06	+4·11	8·06	Cuttack.
3	1	1			1	5	18	1		S 35° W		16·5			70		84		1·012		6·5		6	8·11	−2·11	11·78	7·98	+3·79	14·70	10·88	+3·82	4·64	Puri.
5	4	6	1	8	1		2	3		N 60° E		8·0			27		76		·875		6·4		13			9·52			10·62			4·20	Angul.
			1	3	5	17	3	1		S 34° W	S 23° W	5·4	5·2	+0·2	72	+14	68	− 6	·858	−·001	8·1	+1·5	11	10·40	+0·60	8·62	11·35	−2·72	8·93	12·97	−4·04	2·93	Sambalpur.
4		1	2	1	4	10	1	1		S 34° W	S 52° W	4·2*	2·9	+1·3	59	+18	73	− 3	·817	−·053	6·0	+0·2	9	11·29	−2·29	10·73	9·51	+1·22	14·37	12·85	+1·52	3·52	Chaibassa.
1	1	1	2	1	8	5	8	3		S 50° W	S 42° W	8·7	8·7	0	43	− 1	67	− 9	·692	−·070	6·1	+0·2	11	12·47	−1·47	9·25	10·36	−1·11	11·54	12·44	−0·90	2·19	Ranchi.
4	1		3	7	3	3	5			S 31° E		4·4			23		81		·903		5·0		10	12·39	−2·39	7·98	10·07	−2·09	11·54	12·99	−1·45	3·60	Purulia.
	2	3	1	2	9	7	2	4		S 32° W	S 27° W	9·0	9·3	−0·3	33	−11	62	−10	·663	−·076	6·7	−0·5	10	11·19	−1·19	8·79	9·11	−0·32	9·50	11·44	−1·94	2·47	Hazaribagh.
12	3	1	6		1	3	3	1		N 45° E		5·4			3		51*		·680*		4·8		3	8·48	−5·48	1·12	6·10	−4·98	1·14	7·14	−6·00	0·60	Daltonganj.
11		16	3							N 52° E	N 84° E	3·5	4·0	−0·5	56	−10	90	+ 4	945	+·013	6·8	0	9	11·50	−2·50	5·16	10·02	−4·86	8·43	14·79	−6·36	2·14	Purnea.
6		8	7	7	2					S 87° E		4·6			60		80		·931		5·3		7	9·90	−2·90	2·72	8·28	−5·56	4·28	11·07	−6·79	0·63	Bhagalpur.
1		1	20	6			1	1		S 83° E		10·3			77		80		·990		6·5		5			1·63			3·27			0·89	Monghyr.
1		4	22	1		1		1		N 85° E	S 75° E	6·3	6·0	+0·3	79	+ 2	79	− 3	·922	−·002	5·9	+0·5	5	8·43	−3·43	3·89	8·14	−4·25	4·73	11·21	−6·48	1·88	Darbhanga.
5	2		20		3					S 87° E					67		78		·918		5·6		3			1·48			2·40			0·97	Pusa
		3	15	12						S 71° E		6·9¶			90		74		·896		2·8		5	8·06	−3·06	2·87	7·25	−4·38	4·30	9·65	−5·35	1·31	Muzaffarpur.
2		10	15	2				1		N 75° E		5·7			80		79		·926		4·8		7	9·39	−2·39	2·76	8·90	−6·14	3·57	11·55	−7·98	0·62	Motihari.
4	11	6	4	2				1		N 69° E		3·3‖			57		72		·910		4·8		2	7·61	−5·61	2·00	6·40	−4·40	2·02	7·75	−5·73	1·03	Chapra.
	2	15	8	5						S 68° E	S 87° E	8·7	5·6	+3·1	79	+16	74	− 3	·927	+·016	4·2	−1·6	6	7·81	−1·81	4·28	8·54	−4·26	4·80	10·47	−5·67	1·78	Patna.
7		10	5	7	1					N 87° E		3·3			57		71*		·885*		4·1		7	7·90	−0·90	4·04	6·95	−2·91	4·07	8·42	−4·35	1·28	Arrah.
1		2	25	1		1				E		5·4			88		67		·859		3·8		3	8·00	−5·06	3·92	5·44	−1·52	3·94	6·26	−2·32	2·59	Buxar.
6		2	11	5	2	3		1		S 65° E		6·6			47		59		·781		9·2		0	8·06	−8·06	0·19	6·53	−6·34	0·49	7·35	−6·86	0·08	Debri.
11		3	4	2	3		1	1		N 78° E	S 66° E	3·4	4·9	−1·5	30	+ 7	67	− 8	·875	−·041	5·1	−0·2	5	8·32	−3·32	3·23	7·43	−4·20	3·70	8·41	−4·71	0·23	Gaya.
																																IV.—United Provinces of Agra and Oudh.
15	2	9	2	1				1		N 45° E	N 81° E	1·1†	3·2	−2·1	37	−13	71	− 8	·868	−·040	4·9	0	9	7·70	+1·30	7·43	9·09	−1·66	7·43	10·43	−3·00	2·34	Gorakhpur.
3	2	4	10	2	1	1	4	3		N 62° E	S 89° E	4·6	5·2	−0·6	27	+ 7	54	−18	·772	−·075	3·4	−2·2	1	6·80	−5·80	0·41	6·23	−5·82	0·49	6·87	−6·38	0·16	Benares.
2	2	6	5	2	1	2	8	2		N 3° W	N 46° E	6·3	8·0	−1·7	12	− 1	41	−22	·645	−·180	3·8	−2·0	1	6·20	−5·20	0·20	6·42	−6·22	0·20	6·71	−6·51	0·29	Allahabad.

sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

§ Mean of 15 days. ‖ Mean of 28 days. ¶ Mean of 27 days.

Table

(2) *Abstract of observations taken at 8 hrs., at 239*

Number of subdivision.	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 hrs. in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IV.—United Provinces of Agra and Oudh—*concld.*																						
10	Cawnpore	416	29·117	−·023	29·481	29·227	8th	29·008	29th	·219	91·6	108·1	+7·0	84·6	+2·6	96·4	+4·8	23·5	115·9	5th	76·0	3rd	39·9
	Lucknow	368	29·173	−·020	29·494	29·309	8th	29·051	19th	·258	88·7	105·7	+5·2	82·0	+0·7	93·9	+3·0	23·7	115·0	5th	70·6	8th	44·4
	Bahraich	401	29·144*	−·034	29·499	29·266	8th	29·015	19th	·251	86·9	100·6	+3·2	81·5	+2·3	91·1	+2·8	19·1	113·1	5th	71·0	17th	42·1
11	Jhansi	835	28·737	−·017	29·503*	28·849	8th	28·624	29th	·225	95·8	108·8	+6·0	89·6	+5·6	99·2	+5·8	19·2	116·3	16th	80·1	20th & 21st.	36·2
	Agra	556	28·984	−·024	29·485	29·089	9th	28·866	19th	·223	92·8	107·2	+2·9	86·1	+1·6	96·7	+2·3	21·1	114·5	5th	77·5	20th	37·0
	Mainpuri†	516	28·990	−·032	29·451	29·076	12th	28·904	19th	·172	91·9	107·0	+8·6	85·5	+1·8	96·2	+6·7	21·5	116·3	15th & 16th,	76·3	20th	40·0
	Bareilly	568	28·964	−·026	29·486	29·091	8th	28·854	19th	·237	87·4	103·5	+3·8	81·9	+2·1	92·8	+3·0	21·6	113·8	5th	73·5	20th	40·3
	Meerut	738	28·793	−·024	29·480	28·944	9th	28·689	29th	·255	89·2	105·9	+5·3	82·1	+1·7	94·0	+3·5	23·8	113·1	5th	72·8	30th	40·3
	Roorkee	890	28·648	−·015	29·496	28·834	9th	28·544	19th	·290	88·1	105·9	+5·5	80·6	+2·0	93·3	+3·8	25·3	114·5	15th	71·4	4th	43·1
	Dehra Dun	2,233	27·366	−·027	29·508	27·552	8th	27·255	19th	·297	82·1	98·3	+5·3	75·1	+0·7	86·7	+3·0	23·2	108·0	15th	65·5	19th	42·5
	V.—Punjab.																						
12	Delhi	718	28·828	−·007	29·491	28·967	9th	28·731	29th	·236	92·1	108·7	+5·5	87·8	+4·5	98·3	+5·0	20·9	115·2	5th	80·7	20th	34·5
	Sirsa	662	28·927‖	+·041‖	29·539‖	29·018	10th	28·737	29th	·281	91·3	107·4	+0·7	83·2	+0·1	95·3	+0·4	24·2	115·3	5th	72·1	1st, 10th & 11th.	43·2
	Patiala	*818*	28·731		29·495	28·814	9th	28·612	29th	·232	91·6	106·8		81·6**		94·2**		25·2	112·8	5th	71·1	1st	41·7
	Ambala	892	28·634*	−·033	29·474*	28·779	9th	28·535	19th	·244	89·0	106·2	+4·8	83·8	+3·6	94·5	+4·2	22·5	112·5	5th	76·5	2nd	36·0
	Ludhiana	812	28·710	−·016	29·473	28·857	9th	28·577	19th	·280	89·9	103·8	+4·0	82·9	+2·2	95·8	+3·1	25·9	115·5	5th	70·5	20th	45·0
	Lahore	702	28·798	−·022	29·454	28·948	9th	28·619	29th	·299	89·9	109·1	+1·7	80·8	+1·5	95·0	+1·6	28·3	116·9	5th	70·7	10th	46·2
	Sialkot	830	28·678	−·021	29·455	28·828	9th	28·536	29th	·292	92·2	109·5	+4·0	81·1	+0·6	95·3	+2·3	28·4	115·2	28th	72·1	20th	43·1
	Rawalpindi	1,674	27·865	−·027	29·462	28·032	9th	27·694	29th	·338	92·0	108·7	+5·9	77·6	+2·3	93·2	+4·1	31·1	114·9	27th	68·1	1st	46·8
13	Khushab	612	28·891	−·009	29·455	29·063	9th	28·717	29th	·346	94·3	109·9	+2·8	83·5*	+0·1	96·5*	+1·5	27·4	116·9	7th & 28th.	70·4	10th	46·5
	Montgomery	558	28·939	−·006	29·447	29·088	11th	28·786	29th	·302	94·4	110·2	+0·2	83·0	−1·1	96·7	−0·5	27·2	115·4	16th	73·6	1st	41·8
	Multan	420	29·079	0	29·453	29·211	9th	28·895	29th	·316	92·1	110·7	+2·9	84·9	+1·2	97·8	+2·1	25·8	117·3	5th	78·5	3rd & 14th.	38·8
	VI.—North-West Frontier Province.																						
	Peshawar	1,110	28·422	−·019	29·481	28·585	12th	28·228	29th	·357	92·9	108·8	+2·9	79·3	+2·0	94·1	+2·5	29·5	117·2	27th	67·9	1st	49·3
	D. I. Khan	590	28·916	−·013	29·442	29·098	9th	28·694	29th	·404	91·4	109·9	+1·9	79·5	−1·7	94·7	+0·1	30·4	116·8	28th	70·6	1st	46·2
	VII.—Sind.																						
17	Jacobabad	186	29·327	+·014	29·470	29·465	1st	29·179	20th	·286	91·4	113·8	+1·1	83·1	−1·3	98·5	−0·1	30·7	122·1	5th & 8th.	73·3	1st	48·8
	Hyderabad	96	29·465	+·017	29·512	29·587	3rd	29·292	20th	·295	86·8	105·2	+1·0	81·3	−0·4	93·3	+0·3	23·9	118·1	3rd	77·5	1st	40·6
	Kurrachee	30	29·585	+·022	29·565	29·706	1st	29·400	19th	·306	87·2	95·0	+1·0	82·6	+0·5	88·8	+0·3	12·4	99·9	16th	80·2	1st & 2nd	19·7
	VIII.—Rajputana.																						
18	Bikaner	*771*	28·786	+·010	29·507	28·895	10th	28·658	20th	·237	90·3	107·6	+1·1	85·6	+0·4	96·7	+0·8	22·0	114·1	4th	78·0	19th	36·1
	Jodhpur	782	28·843		29·593	28·959	9th	28·684	19th	·275	86·7	103·8		83·1		93·5		20·7	111·6	3rd	76·3	19th	35·3
	Pachpadra	*880*	29·233	+·040?	29·564	29·329	5th	29·064	20th	·265	87·8	104·9	−0·8	81·2	+0·1	92·9	−0·4	23·7	112·5	3rd	74·0	19th	38·5
19	Jaipur	1,431	28·186	+·011	29·546	28·303	8th	28·026	19th	·277	90·1	105·5	+3·0	82·3	+1·2	93·9	+2·1	23·2	112·7	16th	74·1	20th	38·6
	Sambhar	1,254	28·356*	+·023	29·547	28·468	9th	28·217	19th	·251	89·7	104·4	+2·1	84·1	+1·7	94·3	+1·9	20·3	111·4	3rd, 4th & 16th.	75·5	20th	35·9
	Ajmer	1,611	28·030	+·016	29·573*	28·148	9th	27·889	20th	·259	86·8	101·5	+1·0	84·3	+3·5	92·9	+2·3	17·2	109·4	16th	75·2	20th	34·2
	Kotah	819?	28·760	−·008	29·569	28·876	8th	28·610	19th	·266	91·8	105·7	−1·1	86·6	+2·9	96·2	+0·9	19·1	112·5	4th	73·1	19th	39·4
	Udaipur	1,925	27·758		29·600	27·871	3rd	27·598	19th	·273	85·3	96·8		79·8		89·2		19·2	105·5	4th	73·3	19th	32·2

N.B.—Elevations in italics indicate barometrical determinations.

*Mean of 29 days.
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NOTE.—The barometric readings are not reduced to sea-level in the cases of
** Mean of 20 days.

B—*continued.*

stations, in India, etc., in June, 1908—continued.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th June 1908.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IV.—United Provinces of Agra and Oudh—*concld.*
3	1	2	10	2	1	3	7	1	S 66° E	S 59° E	4·6	5·5	−0·9	10	−12	48	−17	·687	−·149	0·7	−4·7	1	5·00	−4·00	0·23	4·09	−3·86	0·76	4·40	− 3·64	0·23	Cawnpore.
9	1	1	12	4		1	2		S 83° E	S 89° E	3·8	4·2	−0·4	43	+ 7	55	−14	·738	−·099	2·4	−3·4	3	6·10	−3·10	0·47	5·71	−5·24	0·58	6·72	− 6·14	0·16	Lucknow.
3			14	13					S 69° E	S 69° E	4·1	4·9	−0·8	79	+19	71	− 4	898	+·003	3·5	−1·3	3	7·30	−4·30	10·24	6·53	+3·71	11·31	8·48	+ 2·83	6·58	Bahraich.
1	1	3		1		4	8	12	N 84° W	N 89° W	9·2	5·5	+3·7	59	+28	39	− 17	·639	−·092	1·8	−1·7	2	5·80	−3·80	1·54	6·06	−1·52	1·85	6·47	− 4·62	0·90	Jhansi.
6				6		15		3	S 31° W	S 16° W	7·1	6·5	+0·6	47	+23	51	− 6	·769	+·005	2·9	−0·9	3	3·90	−0·90	1·26	2·90	−1·64	1·73	3·46	− 1·73	0·60	Agra.
1	1		4	4	1	2	3	3	S 9° E	N 80° E	4·9	2·9	+2·0	11	− 5	56	−10	·819	−·002	1·3	−3·6	1	4·60	−3·60	0·48	4·73	−4·25	1·02	5·16	− 4·14	0·48	Mainpuri.†
11		1	11			1	4	2	N 76° E	S 56° E	3·7	4·3	−0·6	20	−21	32	−18	·671	−·153	3·3	−1·1	2	4·91	−2·91	10·90	5·96	+4·94	12·12	6·72	+ 5·40	3·60	Bareilly.
12		1	4	4		3	3	3	S 9° E	S 60° E	2·0	2·7	−0·7	7	−26	51	−11	·685	−·084	1·2	−3·0	2	4·00	−2·00	1·89	3·49	−1·60	2·44	4·09	− 1·65	1·31	Meerut.
11		1		14				4	S 51° E	S 41° E	5·1 ¶	3·6	+1·5	33	− 8	46	−17	·582	−·146	2·1	−2·1	2	6·00	−4·00	0·72	5·31	−4·59	1·11	6·13	− 5·02	0·44	Roorkee.
29			1						E	S 36° E	1·9°	1·7	+0·2	3	− 3	55	−15	·574	−·104	3·6	−1·4	9	10·00	−1·00	6·60	10·26	−3·66	7·60	11·95	− 4·35	2·92	Dehra Dun.
																																V.—Punjab.
	2	1	2	5		3	12	5	N 87° W	S 44° E	6·4 ¶	4·9	+1·5	37	+24	42	−14	·612	−·110	3·9	−1·1	1	4·10	−3·10	0·19	3·41	−3·22	0·62	4·13	− 3·51	0·15	Delhi.
2	5	1	3		3	6	10		S 82° W	S 27° W	6·7	7·1	−0·4	37	+11	43	− 7	·617	−·093	1·7	−2·8	4	3·20	+0·80	2·80	1·79	+1·01	3·57	2·50	+ 1·07	1·42	Sirsa.
3	4		1	11	2		2	7	S 63° E		7·4 ††			7		41		·602		1·0		0			0			1·28			0	Patiala.
6			1	14			2	7	S 39° E	S 61° E	4·4	2·5	+1·9	23	−29	46	−21	·625	−·174	1·0	−2·0	1	4·30	−3·30	0·28	6·29	−6·01	1·05	7·02	− 5·97	0·17	Ambala.
13		5		5		4		3	S 72° E	S 37° E	2·9	2·8	+0·1	7	−30	38	−18	·534	−·192	0·9	−2·4	2	3·50	−1·50	1·18	3·02	−1·84	1·64	3·63	− 1·99	0·76	Ludhiana.
5	4		2	3	3	3	4	6	N 81° W	S 60° E	3·4	3·6	−0·2	20	−10	45	− 7	·617	−·076	2·0	−0·8	2	2·30	−0·30	1·69	2·09	−0·40	1·75	2·91	− 1·16	1·13	Lahore.
9	5	2	6	2	4		1	1	N 76° E	N 81° E	3·5	3·1	+0·4	23	−21	34	−18	·502	−·197	0·5	−1·5	2	3·60	−1·60	0·32	3·08	−2·76	0·79	4·11	− 3·32	0·22	Sialkot.
12	3	2	1	1		1	4	6	N 39° W	N 89° E	3·2**	2·8	+0·4	30	+10	25	−25	·362	−·258	2·0	−0·8	1	3·30	−2·30	0·14	2·01	−1·87	0·89	3·48	− 3·19	0·12	Rawalpindi.
1	3	6	5	2	3	6	3	1	S 75° E	N 69° E	8·4	7·1	+1·3	10	−42	36	− 7	·570	−·024?	0·9	−0·9	2	1·50	+0·50	0·49	1·72	−1·23	0·88	2·50	− 1·64	0·25	Khushab.
1	3	1	1	1	6	11	3	3	S 50° W	S 3° W	10·6	9·5	+1·1	46	+ 9	33	−10	·501	−·166	1·8	+0·3	0	2·00	−2·00	0	1·14	−1·14	0·99	1·41	− 0·42	0	Montgomery.
12	1	1		3	2	11			S 26° W	S 3° W	1·6	3·3	−1·7	37	+ 7	48	0	·713	+·011	0·4	−0·3	0	1·10	−1·10	0·02	0·62	−0·60	0·22	0·92	− 0·70	0·02	Multan.
																																VI.—North-West Frontier Province.
17	3		2	1			5	2	N 45° W	N 6° W	4·1	4·4	−0·3	29	− 2	26	−18	·386	−·207	1·6	−0·3	1	0·90	+0·10	0·22	0·30	−0·08	0·69	1·05	−0·36	0·22	Peshawar.
14	2	6	1	3			1	3	N 34° E	N 51° E	2·3	2·5	−0·2	23	− 3	41	−15	·593	−·201	1·0	−0·4	0	1·30	−1·30	0·10	0·65	−0·55	0·12	0·99	−0·87	0·09	D. I. Khan.
																																VII.—Sind.
2	1	1		10	12			4	S 15° E	S 51° E	6·0	5·3	+0·7	53	− 2	55°	+ 4	·797°	+·011	0·2	−0·9	0	0·30	−0·30	0	0·09	−0·09	0	0·25	−0·25	0	Jacobabad.
2				6	21	1			S 38° W	S 38° W	6·9	17·5	−10·6	86	+ 5	65	+ 4	·832	+·040	2·7	−1·1	0	0·70	−0·70	0	0·38	−0·38	0·04	0·56	−0·52	0	Hyderabad.
				1	6	22	1		S 81° W	S 75° W	13·6	17·5	−3·9	89	+ 3	77	0	1·004	+·033	6·5	+1·3	0	0·50	−0·50	0	0·71	−0·71	0	0·71	−0·71	0	Kurrachee.
																																VIII.—Rajputana.
		1		2	15	11	1		S 62° W	S 38° W	11·2	9·4	+1·8	79	+12	48	− 6	·661	−·113	1·1	−1·2	2	2·10	−0·10	0·50	1·70	−1·20	0·71	2·58	− 1·87	0·30	Bikaner.
				4	20	6			S 48° W		8·8			89		57		·708		3·6		1	2·60	−1·60	0·36	1·49	−1·13	0·17	1·76	− 1·29	0·36	Jodhpur.
		1		8	12	6	3		S 51° W		13·9	13·6	+0·3	71		61	−11	·805	−·106P	0·2	−3·8	1	2·50	−1·50	1·54	1·46	+0·08	1·59	2·12	− 0·53	1·54	Pachpadra.
1	3				2	12	12		N 66° W	S 88° W	8·8 ¶	6·8	+2·0	79	+42	46	−11	·636	−·082	2·9	−1·3	2	4·40	−2·40	0·84	2·66	−1·82	1·25	3·15	− 1·90	0·47	Jaipur.
1	3			1		21	4		N 78° W	N 89° W	11·7	11·1	+0·6	76	+17	52	− 5	·721	−·004	2·1	−1·9	3	3·60	−0·60	1·56	1·58	−0·02	1·61	2·34	− 0·73	0·76	Sambhar.
			1		10	5	14		N 85° W	S 84° W	14·4	9·4	+5·0	69	− 1	58	− 2	·749	−·001	3·0	−0·6	3	3·90	−0·90	2·50	2·48	+0·02	2·83	3·09	− 0·26	2·18	Ajmer.
4	2				5	12	7		N 81° W		6·7			66		44		·638		3·0		4	6·20	−2·20	2·52	1·28	+0·54	2·66	2·52	+ 0·14	1·03	Kotah.
				4	14	9	3		S 60° W		9·6			79		66		·787		2·8		2	5·10	−3·10	0·66			0·82			0·33	Udaipur.

ill or plateau stations, the elevations of which exceed 3,000 feet. †† Mean of 28 days. ¶ Uncorrected. † Wind observation of 19 days.

Table

(2) Abstract of observations taken at 8 hrs. at 23

Number of subdivisions.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of Air.											
			Mean 8 hrs pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IX.—Bombay.																						
20	Deesa	466	29·203	+·028	29·624	29·327	3rd	29·042	19th	·285	85·8	103·4	+1·5	80·7	+0·1	92·1	+0·8	22·7	110·8	3rd	77·4	8th	33·4
	Bhuj	395	29·266	+·033	29·669	29·371	8th	29·093	19th	·278	84·7	97·5	—0·1	79·9	+0·1	88·7	0	17·6	104·6	15th	77·1	11th	27·5
	Jamnagar	61	29·612		29·618	29·718	1st	29·455	19th	·263	86·9	92·9		80·2		8·.6		12·7	99·5	16th	78·0	11th	21·5
	Dwarka	37?	29·647		29·629	29·760	1st	29·486	19th	·274	85·1	89·4		82·2		85·8		7·2	98·3	16th	73·7	5th	24·6
	Rajkot	429	29·269	+·041	29·645	29·380	3rd	29·119	17th	·261	85·5	100·3	+0·5	78·0	+0·4	89·2	+0·5	22·3	108·9	3rd	75·7	7th & 14th.	33·2
	Veraval	*18*	29·693	+·033	29·653	29·817	3rd	29·525	17th	·292	84·2	86·3	+0·1	82·1	+1·1	84·2	+0·6	4·2	88·7	16th	79·3	14th	9·4
	Bhavnagar Para	55	29·648?	—·006?	29·647?	29·770	3rd	29·504	17th	·266	83·4	101·8	+3·4?	80·8	+0·3	91·2	+1·9?	21·0	109·7	3rd	78·0	29th	31·7
	Surat	39	29·681	+·021	29·664	29·797	3rd	29·551	17th	·246	85·1	92·7	—1·0	80·5	+1·2	86·6	+0·1	12·2	98·1	11th	76·1	.3th	22·0
	Ahmedabad	163	29·540	+·045	29·650	29·667	3rd	29·379	18th	·288	85·7	102·0	+2·3	81·6	+0·9	91·8	+1·6	20·4	108·1	3rd	75·7	13th	32·4
86	Bombay	37	29·747	+·018	29·703	29·846	3rd	29·600	30th	·246	83·4	89·4	+1·8	80·6	+1·3	85·1	+1·6	8·8	94·0	11th	7·.5	30th	16·5
	Ratnagiri	110	29·681	+·021	29·7·9	29·783	3rd	29·575	29th & 31th.	·208	8·.7	88·2	+1·6	78·4	+1·2	83·3	+1·4	9·8	93·8	10th	72·9	30th	20·9
	Goa	199	29·618	+·012?	29·754	29·729	3rd	29·503	30th	·226	81·6	85·1	—0·1	79·4	+1·6	82·2	+0·8	5·7	89·0	10th	7·.6	30th	14·4
	Mormugao	*60*	29·759	+·024	29·754	29·840	3rd	29·661	30th	·179	82·9	87·9	+0·9	78·0	+0·1	83·0	+0·5	9·9	92·5	12th	72·7	30th	19·8
	Karwar	44	29·791	+·025	29·769	29·858	3rd	29·697	30th	·161	80·2	86·5	+1·2	77·6*	+1·3*	82·4*	+1·3	8·9	92·3	7th	72·5	14th	19·8
7	Malegaon	1,430	28·298	+·023	29·670	28·408	3rd	28·190	18th	·218	82·1	97·8	+2·9	75·1	+0·1	86·5	+1·5	22·7	106·9	3rd	66·1	27th	40·8
	Ahmednagar	2,154	27·630	+·037	29·716	27·724	3rd	27·541	28th	·183	78·8	93·3	+2·9	72·5	+0·2	82·9	+1·6	20·8	103·9	3rd	69·5	27th	34·4
	Poona	1,846	27·927	+·022	29·715	28·049	3rd	27·832	29th	·207	78·2	92·3	+3·1	72·4	—0·2	82·3	+1·5	19·9	98·5	10th	69·8	14th & 21st.	28·7
	Sholapur	1,590	28·172	+·007	29·704	28·253	8th	28·072	29th	·181	80·8	98·1	+3·3	75·3	+2·1	86·7	+2·7	22·8	103·8	3rd	69·9	30th	35·9
	Bijapur	*1,948*	27·835	+·023	29·720	27·915	3rd	27·746	29th	·169	78·1	91·4	+3·9	7..3	+0·1	83·4	+2·0	22·1	102·7	3rd	69·2	27th & 30th.	33·5
	Belgaum	2,539	27·278	+·025	29·751	27·355	3rd	27·177	30th	·178	75·3	83·5	+2·7	67·5	—0·6	75·6	+1·1	16·0	95·2	4th	64·6	30th	30·7
	X. Central India.																						
21	Neemuch	1,624	28·042	+·017	29·605	28·143	9th	27·884	19th	·259	83·2	99·0	+0·7	78·8	+1·5	89·0	+1·1	20·2	101·0	2nd & 15th.	69·7	17th	34·3
	Indore	1,823	27·885	+·039	29·643	27·984	8th	27·765	19th	·219	81·4	96·4	+2·0	76·0	+0·7	86·2	+1·4	20·4	104·6	3rd	70·1	27th	34·5
22	Nowgong	754	28·812	—·017	29·503	28·923	8th	28·798	29th	·215	93·0	107·5	+5·9	85·9	+3·5	96·7	+4·7	21·6	114·0	4th, 5th & 10th.	78·0	22nd	36·0
	Sutna	1,040	28·514	—·022	29·489	28·631	8th	28·429	29th	·211	92·0	105·6	+6·9	86·1	+5·0	95·9	+6·0	19·5	112·0	16th & 17th.	77·2	25th	34·8
	XI.—Central Provinces.																						
23	Buldana	2,132	27·611		29·669	27·711	3rd	27·509	30th	·202	79·1	94·7		73·9		84·3		20·8	102·7	5th	64·0	27th	38·7
	Akola	930	28·762	+·017	29·639	28·859	6th	28·658	17th & 30th.	·201	82·9	99·4	+1·2	77·5	—0·2	88·5	+0·5	21·9	110·2	3rd	67·6	27th	42·6
	Amraoti	1,215	28·467	+·014	29·622	28·553	13th	28·359	30th	·194	83·6	100·0	+2·8	78·1	+1·3	89·1	+2·1	21·9	109·8	3rd & 5th.	66·8	27th	43·0
24	Khandwa	1,044	28·636	+·015	29·632	28·737	3rd & 8th.	28·527	19th	·210	82·6	100·2	+2·6	79·5	+0·8	89·9	+1·7	20·7	109·2	3rd	70·6	27th	38·6
	Hoshangabad	1,006	28·647	+·006	29·598	28·746	8th	28·543	30th	·203	85·5	103·2	+5·1	80·5	+1·5	91·9	+3·3	22·7	110·6	3rd, 13th & 15th.	71·4	27th	39·2
	Saugor	1,807	27·823	—·001	29·545	27·934	8th	27·716	19th	·218	87·2	102·2	+4·4	81·3	+3·7	91·8	+4·1	20·9	109·6	15th	73·5	27th & 30th.	36·1
	Jubbulpore	1,327	28·285	—·002	29·545	28·388	8th	28·188	25th	·200	87·2	103·2	+3·3	81·3	+2·9	92·2	+4·6	21·9	110·5	3rd, 4th & 17th.	71·3	30th	39·2
	Seoni	2,033	27·629	+·005	29·567	27·711	3rd	27·539	26th	·181	85·9	99·7	+5·5	74·3	—1·2	87·0	+2·2	25·4	108·8	3rd & 4th.	70·5	27th & 28th.	38·3
	Nagpur	1,017	28·623	—·002	29·580	28·721	13th	28·539	30th	·191	86·8	101·6	+3·3	82·3	+3·4	92·0	+3·6	19·3	112·6	4th	68·6	27th	44·0
25	Pendra†	2,123?	27·678		29·501	27·675	3rd	27·446	25th	·229	86·2	97·9		73·3		88·6		18·6	108·8	4th	70·2	27th	38·6
	Raipur	970	28·641	—·010	29·547	28·709	13th	28·519	25th	·190	85·9	99·5	+2·3	80·6	+2·2	90·1	+2·3	18·9	112·7	4th	69·6	27th & 28th.	43·1
	Chanda	634	29·027	+·004	29·598	29·115	8th	28·929	30th	·186	86·9	100·2	+1·7	81·8	+2·2	91·0	+2·0	18·4	112·5	3rd	70·5	28th	42·0

N.B.—Elevations in Italics indicate barometrical determinations.

Notes.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 5,000 feet.

* Mean of 23 days.

† Mean of 29 days.

B—*continued.*

stations, in India, etc., in June, 1908—continued.

Wind direction. Number of winds from Calm	N.E.	E.N.E.	E.	E.S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs., in inches of mercury.	Departure from normal, in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th June 1908.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IX.—Bombay.
			2	7	18	3			S 34° W	S 69° W	15·8*	16·7	−0·9	82	+19	65	−3	·797	−·023	5·4	−0·5	0	2·18	−2·18	0·08	2·27	−2·19	0·08	2·52	−2·44	0·06	Deesa.
1	1		1	1	14	10	1		S 63° W	S 72° W	16·5	17·7	−1·2	69	−9	71	0	·836	−·037	6·2	+1·2	1	2·40	−1·40	0·19	2·03	−1·84	0·19	2·12	−1·93	0·19	Bhuj.
			1	2	10	11	5	1	S 31° W		19·9			72		66		·846		3·2		1			1·19			1·19			1·12	Jamnagar.
2				1	8	16	2	1	S 34° W		16·5			76		78		·957		4·1		2			0·58			0·58			0·34	Dwarka.
2				3		23	1	1	S 46° W	S 81° W	15·4	14·1	+1·3	86	+12	67	−7	·801	−·074	3·5	−2·1	4	5·30	−1·30	3·01	5·12	−2·11	3·01	5·24	−2·23	0·89	Rajkot.
1			1	1	16	9	1		S 58° W	S 69° W	17·4	11·4	+6·0	72	+3	85	+1	·995	+·031	4·2	−2·7	3	4·60	−1·60	1·74	5·23	−3·49	1·74	5·25	−3·51	0·85	Veraval.
1			1	2	1	5			S 48° W	S 48° W	9·5	15·8	−6·3	87	+7	69	−7	·854	−·099	6·9	+0·8	1	5·70	−4·70	0·26	5·02	−4·76	0·27	5·12	−4·85	0·18	Bhavnagar Para.
1			1	5	13	9	1		S 52° W	S 49° W	10·6	13·2	−2·6	72	+2	72	−7	·877	−·041	6·3	−0·6	4	8·70	−4·70	2·83	9·62	−6·79	2·83	9·75	−6·92	1·50	Surat.
			1	4	22	1	4		S 50° W	S 61° W	7·7	7·7	0	79	+20	65	−7	·795	−·081	4·2	−2·0	1	4·80	−3·80	2·09	6·76	−4·67	2·09	6·77	−4·68	1·97	Ahmedabad.
	1	1	4	3	8	11	2		S 60° W	S 58° W	10·9*	15·2	−4·3	56	+8	80	−3	·919	−·010	6·8	−1·1	12	14·70	−2·70	12·39	19·63	−7·24	12·39	20·34	−7·95	3·36	Bombay.
2	2	1	1	2	4	9	6	3	S 59° W	S 60° W	10·7	10·2	+0·5	43	+12	81	−2	·900	−·001	6·3	−1·3	15	20·50	−5·50	19·23	30·20	−10·94	19·30	31·65	−12·35	4·73	Ratnagiri.
2	2	1	2		6	8	5	4	S 60° W	S 66° W	12·0*	9·2	+2·8	43	−5	83	−2	·891	−·019	8·2	+0·1	15			23·32	28·72	−5·40	23·47	31·05	−7·58	4·40	Goa.
3	7				3	8	6		N 67° W	N 76° W	9·8*	10·9	−1·1	49	0	84	−1	·930	·005	7·5	+0·7	17			25·20	23·63	+1·77	25·44	26·20	−0·76	4·26	Mormugao.
12	3	1		1	6	6		1	S 29° W	S 62° W	4·6*	6·0	−1·4	30	−22	82	−1	·246	−·018	7·3	−0·7	16	23·30	−7·30	37·37	35·98	+1·39	37·46	39·26	−1·80	5·40	Karwar.
6						5	16	3	S 86° W	S 81° W	12·0	14·0	−2·0	72	−1	63	−8	·688	−·069	3·5	−2·7	6	7·70	−1·70	3·15	4·44	−1·29	3·15	5·17	−2·02	1·46	Malegaon.
	1			1		7	9	12	N 80° W	N 88° W	12·8	16·2	−3·4	72	+17	65	−13	·631	−·104	5·3	−1·2	5	7·40	−2·40	3·10	5·14	−2·04	3·10	6·02	−2·92	1·45	Ahmednagar.
7	1					1	18	3	N 80° W	S 82° W	15·2*	16·3	−1·1	69	−12	68	−5	·666	−·037	7·1	−0·2	3	8·50	−5·50	1·23	4·73	−3·50	1·23	6·06	−4·83	0·48	Poona.
				1		9	6	14	N 83° W	S 81° W	15·3	13·7	+1·6	69	−8	65	−1	·680	+·016?	5·8	−0·9	6	6·20	−0·20	2·20	4·36	−2·16	2·67	5·36	−2·69	0·93	Sholapur.
						15	11	4	S 73° W	S 78° W	14·9	9·7	+5·2	82	+3	70	−7	·675	−·016	4·4	−2·6	3	6·20	−3·20	1·57	3·55	−1·68	2·05	5·34	−3·29	0·98	Bijapur.
5						10	13	2	S 75° W	S 75° W	19·1*‡	22·9	−3·8	72	+2	83	−4	·670	−·045	7·3	−0·9	15	14·00	+1·00	7·66	8·44	−0·78	9·82	10·93	−1·11	1·20	Belgaum.
																																X.—Central India.
						14	14	2	S 71° W	S 81° W	14·4	13·5	+0·9	86	+12	69	−1	·789	+·008	3·2	−1·2	3	6·20	−3·20	1·43	4·95	−3·52	1·46	5·40	−3·94	1·04	Neemuch.
						3	19	8	N 83° W	S 87° W	10·2	7·0	+3·2	89	+15	77	+5	·829	+·071?	5·4	−0·6	9	7·60	+1·40	4·80	6·35	−1·55	4·80	6·94	−2·14	1·37	Indore.
	2	1	1	1		3	21	1	N 88° W	S 86° W	5·2	4·7	+0·5	69	+21	55	−6	·342	+·09 ?	5·0	+0·3	3	7·30	−4·30	0·96	8·15	−7·19	1·01	5·48	−7·47	0·62	Nowgong.
3			1	2		1	7	13	3	S 80° W	S 84° W	7·4	9·7	−2·3	56	+27	45	−15	·655	−·061	9·0	+4·4	2	7·20	−5·20	0·85	7·32	−6·47	1·24	7·70	−6·46	0·45	Sutna.
																																XI.—Central Provinces.
	1					5	15	9	N 81° W		9·7	10·9	−1·2	83		64		·632		5·6		7			6·47	6·64	−0·17	6·49	7·22	−0·73	1·65	Buldana.
						7	17	6	S 88° W	N 81° W	12·6	9·8	+2·8	86	+13	66	−2	·737	−·021	7·0	+0·8	8	8·10	−0·10	8·59	5·20	+3·39	8·68	5·62	+3·05	2·54	Akola.
	1					10	15	4	S 83° W	S 87° W	11·5	8·9	+2·6	82	+4	64	−7	·717	−·037	5·4	−0·6	7	9·00	−2·00	7·93	6·84	+1·11	7·94	7·45	+0·49	2·21	Amraoti.
2	2					1	12	13	N 65° W	N 87° W	12·5	10·3	+2·2	79	−3	64	−4	·700	−·049	5·1	−0·4	7	7·50	−0·50	5·71	5·81	−0·10	5·71	6·16	−0·45	1·28	Khandwa.
						5	20	5	W	S 62° W	8·4	5·1	+3·3	90	+19	58	−13	·712	−·096	5·4	−0·6	5	8·20	−3·20	5·13	6·78	−1·65	5·16	7·33	−2·17	1·75	Hoshangabad.
	1	1				3	22	3	N 86° W	S 80° W	10·5	6·5	+4·0	86	+19	52	−13	·656	−·057	5·6	+0·6	5	8·90	−3·90	1·45	8·79	−7·34	1·45	9·29	−7·84	0·80	Saugor.
	1					5	14	10	N 79° W	S 70° W	4·9	5·1	−0·2	82	+23	51	−14	·610	−·112	4·1	−0·8	8	10·40	−2·40	6·60	9·50	−2·90	6·60	10·05	−3·45	1·54	Jubbulpore.
	6	2				4	7	11	N 53° W	S 86° W	8·2	5·8	+2·4	66	+10	53	−14	·604	−·102	5·2	+0·2	8	12·30	−5·30	6·42	9·95	−3·53	6·42	10·63	−4·21	1·59	Seoni.
	1					7	19	3	S 86° W	S 87° W	8·8	9·0	−0·2	86	+27	52	−12	·626	−·132	6·0	−0·6	7	9·70	−2·70	11·99	8·52	+3·47	12·06	9·24	+2·82	5·11	Nagpur.
	2	2																				8			7·68			7·84			2·15	Pendra.
			1	4	5	4	4	7	S 61° W	S	8·2			32		49		·570		5·2												
			1		2	16	9	1	S 58° W	S 56° W	14·0	9·7	+4·3	79	+3	55	−13	·615	−·147	6·9	+0·5	12	10·40	+1·60	10·14	8·88	+1·26	10·37	8·82	+0·55	5·60	Raipur.
			1			4	15	9	N 83° W	S 61° W	11·0	6·2	+4·8	76	+11	56	−8	·667	−·074	7·7	+1·1	8	9·40	−1·40	7·70	7·68	+0·02	7·70	8·42	−0·72	2·90	Chanda.

* Uncorrected. † Mean of 29 days. ‡ Mean of 27 days.

Table

(2) *Abstract of observations taken at 8 hrs. at 23*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XII.—Hyderabad.																						
28	Aurangabad .	1,905	27·877*		29·716*	27·961	3rd	27·774	19th	·187	80·4†	95·5		72·4		84·0		23·1	104·2	3rd & 5th.	65·7	28th	38·5
	Nizamabad .	1,260	28·479‡		29·676‡	28·549	8th	28·367	30th	·182	84·5	101·3		79·1		90·3		22·2	107·9	3rd, 4th & 10th.	70·2	29th	37·7
	Bidar . . .	*2,165*	27·602		29·696	27·683	3rd	27·501	30th	·182	78·5	91·8		74·5		84·7		20·3	102·9	3rd	68·0	30th	34·9
29	Gulbarga . .	1,503	28·258	+·010	29·704	28·316	8th	28·172	29th	·174	80·9	98·7	+4·0	75·5	+1·8	87·1	+2·9	23·2	106·0	3rd	69·8	30th	36·2
	Raichur . .	*1,311*	28·463	+·029	29·722	28·535	8th	28·386	30th	·149	81·2	98·6	+3·9	75·3	+0·5	87·0	+2·2	23·3	109·1	7th	63·6	15th	45·5
	Hyderabad (Dn.) .	1,690	28·053	+·015	29·677	28·146	8th	27·948	30th	·198	81·3	98·0	+3·7	77·4	+3·0	87·7	+3·4	20·6	106·3	3rd & 5th.	70·2	30th	36·1
	Hanumkonda .	871	28·811§		29·617§	28·900	13th	28·724	30th	·176	86·2	100·7		81·6		91·1		19·1	111·0	3rd	73·7	24th	37·3
	XIII.—Mysore.																						
30	Chitaldroog .	2,400	27·431	+·025	29·768	27·513	3rd	27·340	30th	·173	74·5	88·3	+2·5	70·3	+0·8	79·3	+1·7	18·0	96·1	4th & 5th.	67·9	28th, 29th & 30th.	28·2
	Hassan . .	3,149	26·735	+·032	29·814	26·819	3rd	26·676	30th	·143	71·3	81·7	+2·2	65·8	−0·3	73·7	+1·0	15·9	89·8	4th	62·8	29th	27·0
	Bangalore . .	3,021	26·853	+·003	29·784	26·927	3rd	26·769	29th	·158	72·1	87·1	+2·4	67·1	+0·3	77·1	+1·4	20·0	92·3	5th & 6th.	64·8	16th, 29th & 30th.	27·5
	Mysore . .	2,518	27·362	+·017	29·816	27·430	3rd	27·283	30th	·147	73·3	84·5	−0·1	67·3	−0·9	75·9	−0·5	17·2	92·0	7th	65·0	28th	27·0
	XIV.—Madras.																						
31	Mangalore . .	65	29·787‖	+·004	29·783‖	29·861	12th	29·707	30th	·154	79·5	85·4	+0·4	75·6	+0·6	80·6	+0·5	9·8	91·2	5th	70·9	29th	20·3
	Calicut . .	27	29·852	+·014	29·809	29·903	3rd	29·777	10th	·126	78·0	84·3	−0·3	74·9	+0·1	79·6	−0·1	9·4	91·8	5th	71·1	29th	20·7
	Cochin . .	9	29·902	+·030	29·839	29·951	14th	29·819	10th	·132	78·5	85·1	+0·1	74·4	−0·3	79·8	−0·1	10·7	90·7	4th	70·7	29th	20·0
	Trivandrum . .	198	29·704	+·028	29·833	29·744	27th	29·638	10th	·106	77·3	81·9	−1·0	75·2	+1·6	78·6	+0·2	6·7	87·0	1st	72·0	14th, 15th & 29th.	15·0
32	Tinnevelly . .	168	29·679	+·024	29·776	29·735	13th	29·597	10th	·138	86·3	97·4	+0·3	79·2	−0·4	88·3	−0·1	18·2	102·3	5 days	74·9	29th & 30th,	27·4
	Pambaa . .	37	29·772	−·006?	29·737	29·823	3rd	29·704	30th	·119	83·9	89·9	+0·2	79·8	−0·5	84·9	−0·2	10·1	92·3	6th & 23rd.	78·2	4th & 12th.	14·1
	Madura . .	447	29·382	+·026	29·763	29·438	3rd	29·316	30th	·122	84·4	96·7	−1·5	77·8	+0·7	87·3	−0·4	18·9	101·9	1st	75·1	25th	26·8
	Periyakulam .	944	28·884		29·764	28·939	3rd	28·801	29th	·138	80·3	94·0		72·2		83·1		21·8	99·6	2nd	67·7	21st	31·9
	Pudukkottai . .	318	29·500		29·748	29·552	3rd	29·436	10th	·116	84·9	99·2		78·1		88·6		21·1	105·4	1st	72·9	10th	32·5
	Negapatam . .	31	29·708	+·001	29·728	29·814	12th	29·697	10th	·117	85·4	99·4	+2·3	79·1	−0·1	89·3	+1·1	20·3	105·4	1st	75·0	10th & 23rd.	30·4
	Trichinopoly .	255	29·557	+·006	29·743	29·614	3rd	29·493	10th	·121	85·4	99·3	+0·3	78·5	+0·1	88·9	+0·2	20·8	105·6	3rd, 5th & 6th.	70·8	11th	34·8
	Coimbatore .	1,348	28·489	+·014	29·787	28·553	3rd	28·406	10th	·147	77·4	90·3	+0·4	71·4	−0·2	80·9	+0·1	18·9	96·9	2nd & 3rd.	68·8	28th & 29th.	28·1
	Salem . .	940	28·902	+·002	29·781	28·960	3rd	28·830	30th	·130	80·7	97·3	+2·1	75·2	+1·1	86·3	+1·6	22·0	104·7	6th	71·4	16th & 26th.	33·2
	Cuddalore . .	37	29·746	+·006	29·713	29·806	3rd	29·683	10th	·123	85·8	100·7	+2·5	80·3	+0·9	90·5	+1·7	20·4	107·1	2nd	70·2	19th	36·9
	Vellore . .	707	29·054		29·726	29·156	3rd	29·009	29th & 30th,	·147	84·8	99·9							105·7	5th			
	Madras . .	22	29·735	−·011	29·687	29·791	3rd	29·673	29th	·118	87·5	102·7	+4·2	82·1	+1·4	92·4	+2·8	20·6	107·5	1st & 2nd,	77·0	28th	30·5
33	Cuddapah . .	433	29·349	+·017	29·716	29·428	3rd	29·251	30th	·177	86·4	102·2	+1·9	80·7	+0·1	91·5	+1·0	21·5	108·2	3rd, 4th & 5th.	73·6	10th	34·6
	Bellary . .	1,475	28·314	+·015	29·731	28·385	3rd	28·223	30th	·162	78·2	97·4	+2·9	76·2	+0·5	86·8	+1·7	21·2	105·0	4th	72·3	9th & 10th.	32·7
	Kurnool . .	923	28·544	+·012	29·707	28·913	3rd	28·746	30th	·167	82·4	100·3	+3·6	78·4	+1·5	89·4	+2·6	21·9	106·2	3rd	73·1	13th	32·1
34	Nellore . .	61	29·683	+·015	29·678	29·741	3rd	29·619	30th	·122	89·2	103·4	+1·6	83·3	+1·1	93·4	+1·4	20·1	109·3	2nd, 3rd & 7th.	76·1	10th	33·2
	Masulipatam .	15	29·698	+·005	29·645	29·778	8th	29·623	24th	·155	88·9	103·6	+5·9	82·7	+2·5	93·2	+4·2	20·9	112·8	3rd	76·1	30th	36·7
	Cocanada . .	26	29·651	−·015	29·613	29·734	3rd	29·558	30th	·176	87·5	102·7	+7·5	83·2	+2·2	93·0	+4·9	19·5	114·1	2nd	75·0	30th	39·1
	Waltair (Vizagapatam).	*226*	29·413	−·016	29·577	29·198	3rd	29·306	24th	·192	86·2	94·0		81·8		88·0		12·2	105·4	9th	72·9	14th	32·5
	Calingapatam .	19	29·611		29·570	29·679	4th	29·521	24th	·158													
	Gopalpur . .	72	29·537	−·018	29·549	29·637	8th	29·395	24th	·242	83·6	91·1	+1·9¶	80·4	−0·2	85·7	+0·9	10·7	102·2	14th	71·5	14th	30·7

N.B.—Elevations in italics indicate barometrical determinations.
NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,000 feet.

* Mean of 25 days.
† " 20 "
‡ " 28 "
§ " 27 "
‖ " 29 "

B—*continued.*

stations, in India, etc., in June, 1908—continued.

Wind direction. Number of winds from Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th June 1908.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																XII.—Hyderabad.
1	1			1		7	17	3	S 81° W		17·5			76		64†		·658†		4·9		8	8·10	−0·10	2·02	5·04	−3·02	2·02	5·69	−3·67	0·55	Aurangabad.
1	1			1	4	19		4	S 47° W		8·0			66		57		·658		5·9		5	8·90	−3·90	4·22	4·60	−0·38	4·29	4·93	−0·64	2·30	Nizamabad.
3				1		12	13	1	S 68° W		8·7			80		74		·713		3·8		5	7·80	−2·80	3·60	5·74	−2·14	4·03	6·74	−2·71	2·12	Bidar.
	2					4	14	10	N 75° W	S 86° W	14·3	14·1	+0·2	82	+15	59	−17	·621	−·120	5·7	−0·6	2	7·40	−5·40	1·70	5·71	−4·01	2·22	6·87	−4·65	1·37	Gulbarga.
						15	4	11	S 83° E	S 74° W	14·3	14·0	+0·3	72	− 3	67	− 3	·701	−·017	5·6	−0·8	4	6·20	−2·20	1·07	3·12	−2·05	1·21	3·84	−2·63	0·42	Raichur.
							23	7	N 80° W	N 87° W	9·4	9·1	+0·3	92	+ 8	60	−11	·636	−·077	7·0	+0·8	3			5·64	4·37	+1·27	5·79	5·36	+0·43	3·71	Hyderabad (Dn.)
1						5	16	8	N 85° W		11·8‖			82		49		·593		6·2		4	6·70	−2·70	3·50			3·70			·44	Hanumkonda
																																XIII.—Mysore.
1						8	14	7	S 88° W	S 68° W	10·0	11·1	−1·1	82	− 4	76	− 6	·619	−·026	6·3	−2·3	2	6·00	−4·00	2·26	3·80	−1·64	4·78	7·54	−2·76	1·58	Chitaldroog.
	1					9	14	6	S 88° W	S 83° W	11·1	5·0	+6·1	83	+ 2	84	+ 1	·646	+·006	8·1	−0·6	6	10·40	−4·40	3·18	5·01	−1·83	5·64	10·18	−4·54	1·36	Hassan.
						14	15	1	S 70° W	S 70° W	11·2	9·3	+1·9	89	0	79	− 2	·631	−·009	7·5	+0·6	4	5·70	−1·70	1·26	3·05	−1·79	8·46	7·27	+1·19	0·52	Bangalore.
	1				1	16	11	1	S 65° W	S 62° W	12·3	14·6	−2·3	82	+ 1	79	− 1	·649	−·008	7·2	−0·9	10	6·00	+4·00	3·48	3·81	−0·33	12·16	7·18	+4·98	1·48	Mysore.
																																XIV.—Madras.
3		1	13	2	1	1	7	2	S 81° E	S 83° W	5·1¶	3·3	+1·8	20	+ 9	86	− 3	·875	+·002	8·4	−0·4	22	24·60	−2·60	37·24	36·22	+1·02	38·34	42·88	−4·54	6·84	Mangalore.
4	4		2	6	2	4	1	7	S 88° W	N 22° E	7·0	9·7	−2·7	8	− 3	90	+ 2	·863	+·005	7·9	−0·2	23	24·30	−1·39	28·02	35·61	−7·59	29·76	43·39	−13·63	4·26	Calicut.
6	2	4	3	7	2	2	3	1	S 63° E	N 9° W	5·7¶	6·1	−0·4	23	+ 1	86	− 1	·835	−·027	8·3	+0·7	22	24·20	−2·20	23·18	28·99	−5·81	32·20	41·38	−9·18	2·63	Cochin.
3	3						4	20	N 47° W	N 16° W	6·0¶	7·0	−1·0	79	+12	89	+ 2	·813	+·003	8·7	+0·6	21	16·50	+4·50	9·73	12·45	−2·72	15·08	21·50	−6·42	0·90	Trivandrum.
9						4	9	8	S 81° W	N 73° W	4·4	7·8	−3·4	56	−15	55	− 7	·691	−·068	6·0	−0·5	0	1·20	−1·20	0·07	0·56	−·049	1·69	1·93	−0·24	0·03	Tinnevelly.
					11	13	6		S 37° W	S 39° W	20·1	13·4	+6·7	82	+ 4	78		·910		3·5		0	0·50	−0·50	0	0·12	−0·12	1·14	0·67	+0·47	0	Pamban.
	1					1	14	14	N 67° W	N 79° W	10·5	4·1	+6·4	89	+29	59	− 5	·683	−·080	6·9	+1·5	1	2·50	−1·50	0·42	1·25	−0·83	2·76	3·90	−1·14	0·36	Madura.
21	3	1	1			4			N 32° W		4·1			17		62		·640		4·1		2	2·50	−0·50	0·45	1·05	−0·60	3·63	3·78	−0·15	0·18	Periyakulam.
	2				1	8	7	12	N 79° W		10·7			70		61		·730		6·6		4			1·31			2·48			6·54	Pudukkottai.
						12	17	1	S 74° W	S 61° W	10·6	8·4	+2·2	89	+ 8	64	0	·791	+·001	4·8	0	1	3·20	−2·20	2·57	1·50	+1·07	4·81	3·11	+1·70	2·37	Negapatam.
					2	12	15	1	S 68° W	S 80° W	9·6¶	9·2	+0·4	86	+ 1	58	− 5	·695	−·037	5·6	−0·4	3	1·90	+1·10	2·57	1·50	+1·07	6·45	4·44	+2·01	1·39	Trichinopoly.
5						25			S 45° W	S 45° W	10·9	7·0	+3·9	82	+ 4	81	0	·768	+·004	4·2	−1·7	1	4·90	−3·90	0·40	1·65	−1·25	1·27	3·93	−2·66	0·13	Coimbatore.
					2	20	6	2	S 56° W	S 32° W	6·9	5·0	+1·9	86	+17	76	+ 2	·795	+·014	6·6	+0·6	5	4·80	+0·20	4·09	2·97	+1·12	8·97	7·98	+0·99	1·86	Salem.
3					2	22	3		S 47° W	S 62° W	9·8	2·9	+6·9	79	+9	61	−11	·762	−·120?	6·2	+0·8	3	3·10	−0·10	1·34	2·00	−0·66	1·74	2·28	−0·54	0·92	Cuddalor.
		4	3	15		1	1	1	S 62° E		6·0			61		58		·694		4·1		6	4·60	+1·40	2·68	2·62	+0·06	4·64	5·64	−1·00	1·00	Vellore.**
2					3	9	15	1	S 69° W	S 66° W	7·7¶	8·8	−1·1	79	+ 5	60	− 3	·783	−·018	6·1	−0·1	1	8·10	−7·10	0·39	2·21	−1·82	0·46	3·11	−2·65	0·11	Madras.
				1		2	18	9	N 81° W	N 87° W				82	+ 4	63	+ 2?	·786	+·028?	6·2	−0·2	3	4·60	−1·60	0·84	3·35	−2·51	1·49	5·15	−3·66	0·41	Cuddapah.
						7	16	7	W	S 84° W	10·2	10·6	−0·4	83	+ 9	59	− 2	·624	−·016	6·2	−1·4	3	4·20	−1·20	0·79	1·78	−0·99	1·99	3·76	−1·77	0·32	Bellary.
						10	7	13	N 85° W	S 89° W	13·0¶			76	+13	63	− 3	·692	−·024	5·6	−0·8	3	5·90	−2·90	0·69	3·36	−2·67	3·57	4·31	−0·74	0·16	Kurnool.
					1	2	18	9	N 81° W	N 73° W	9·5¶	9·6	−0·1	86	+23	50	−12	·678	−·144?	7·1	+0·5	1	3·00	−2·00	0·37	1·20	−0·83	0·43	1·59	−1·16	0·21	Nellore.
1						3	12	14	N 72° W	N 80° W	11·6	9·5	+2·1	82	+19	69	− 8	·930	−·020	7·0	+0·4	3	6·00	−3·00	1·43	4·83	−3·40	1·44	6·10	−4·66	0·70	Masulipatam.
5		1				17	7		S 59° W	S 69° W	8·5	8·3	−0·3	66	− 9	67	− 5	·878	+·012	7·2	+0·2	4	6·20	−2·20	2·05	4·76	−2·71	3·01	5·69	−2·68	1·47	Cocanada.
					2	22	6		S 51° W	S 73° W	12·8			89	+15	65	− 9	·799	−·090	8·0	+0·6	3	5·70	−2·70	1·26	3·83	−2·57	2·20	6·30	−4·10	0·64	Waltair (Vizag.).
2	1				5	14	6	2	S 53° W		9·6			70						4·0		6			2·95			7·39			1·12	Calingapatam.
1	2	2	3	1	4	16	1		S 32° W	S 39° W	15·1	15·1	0	49	−25	83	− 1	·946	−·017	5·9	−1·3	9	7·10	+1·90	7·39	6·14	+1·25	7·68	8·24	−0·56	2·26	Gopalpur.

¶ Uncorrected.

** Wind observations of 25 days.

Table

(2) Abstract of observations taken at 8 hrs. at 239

Number of subdivision	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Stations in the Bay.																						
1	P. V. Fraser	8	29·595		29·521	29·724	3rd&8th	29·395	24th	·329	84·1												
	Car Nicobar	25	29·841		29·794	29·916	3rd	29·778	10th	·168	81·5	85·9		77·8		81·9		8·1	89·0	3rd	74·2	15th, 16th & 25th.	14·8
	Port Blair	58	29·768	+·007	29·757	29·817	2nd	29·690	29th	·127	80·4	84·2	−1·8	77·4	−0·4	80·8	−1·1	6·8	88·2	5th	73·0	1st & 2nd	15·2
	Slipper Island	90	29·684		29·708	29·758	4th	29·617	29th	·141	81·9	86·0		77·7		81·9		8·3	89·1	6th	69·1	12th	20·0
	Kashmir.																						
14	Srinagar	5,204	24·743	+·012	24·714	24·877	9th	24·573	20th	·304	66·3	85·4	+2·3	55·8	−3·0	70·6	−0·4	29·6	94·6	29th	49·6	1st	45·0
	Gulmarg	*8,569*	21·814		21·782	21·912	3rd	21·669	20th	·243	60·3	69·5		43·5		56·5		26·0	77·7	29th	36·3	1st	41·4
	Sonemarg	*8,764*	21·765*		21·733*	21·858	13th	21·644	20th	·214	48·3	70·3		41·0		55·7		29·3	78·4	27th	35·1	2nd	43·3
	Dras	*10,059*	20·772		20·741	20·897	3rd	20·600	20th	·297	53·0	71·6		42·0†		57·1†		29·6	80·9	29th	35·0	2nd, 5th & 8th.	45·9
	Leh	11,503	19·702	+·022	19·670	19·830	3rd	19·523	20th	·307	52·7	69·2	−3·9	43·4	−1·2	56·3	−2·6	25·8	77·6	16th	35·0	2nd	42·6
	Skardu	*7,505*	22·798		22·768	22·945	2nd	22·592	20th	·353	63·2	79·5		55·1		67·3		24·4	88·9	29th	49·1	1st	39·8
	Minimarg	*9,359*							Observations		not received												
	Astor	*7,955*							Observations		not received												
	Gilgit	4,890	25·000		24·973	25·187	1st	24·735	29th	·452	75·6	91·1	−3·5	64·4	−5·6	77·8	−4·6	26·7	102·2	28th	55·7	1st	46·5
	Baluchistan.																						
16	Quetta	5,502	24·505	+·025	24·465	24·651	1st	24·251	19th & 20th.	·300	75·9	91·0	+0·4	56·8	−2·3	73·9	−0·9	34·2	100·6	28th	48·8	10th	51·8
	Chaman	4,311	25·509	+·021	25·471	25·694	3rd	25·336	29th	·358	80·3	96·7	−3·5	67·8	−3·8	82·3	−3·7	28·9	108·3	28th	59·3	10th	49·0
	Robat	...	26·737		26·695	26·983	3rd	26·500	30th	·483	88·2	102·3		77·2		89·7		25·1	116·5	27th	69·7	9th & 14th	46·8
	Hill Stations, exluding Kashmir and Baluchistan.																						
	Chitral	*5,486*							Observations		are untrustworthy.												
	Para Chinar	6,000	24·298		24·265	24·410	2nd	24·114	29th	·296	76·8	88·6		62·0		75·8		27·6	98·1	27th & 28th.	55·1	8th	43·0
	Cherat	*4,956*	25·493	−·015	25·461	25·610	9th	25·352	19th	·258	80·7	94·8	+0·5	73·7	+0·6	84·3	+0·6	21·1	103·1	27th & 28th.	63·5	12th	39·6
	Murree	6,333	23·725	−·007	23·693	23·823	3rd & 9th.	23·602	19th	·221	76·4	84·8†	+3·1	67·4	+2·9	76·3†	+3·0	17·4	93·0	26th	51·0	9th	42·0
	Kailang	*10,087*	20·910		20·865	21·024	3rd	20·710	20th	·284	54·7	69·5	−2·3	44·4	−1·1	57·0	−1·7	25·1	78·0	28th	37·2	1st	40·8
	Simla	7,224	23·01+	+·009	22·976	23·110	3rd	22·884	19th	·226	67·5	77·8	+3·4	62·9	+1·9	70·4	+2·7	14·9	83·5	7th	49·9	8th	33·6
	Sarain	...	23·045			23·201	8th	22·90+	19th	·297	65·7	77·3		57·3		67·3		20·0	84·0	7th	50·3	9th	33·7
	Kalabagh	...	20·085			20·189	3rd	19,958	20th	·231	51·0	58·6		46·6		52·6		12·0	64·1	16th	38·0	9th	26·1
	Chakrata	7,022	23·177	+·005	23·137	23·299	8th	23·058	20th	·241	67·9	77·5	+3·2	62·3	+2·3	69·9	+2·8	15·2	85·3	15th	50·7	9th	34·6
	Muktesar	7,592	22·734		22·693	22·840	3rd	22·608	20th & 21st.	·232	65·8	77·9		60·3		69·1		17·6	85·5	13th	52·0	8th	33·5
	Darjeeling	7,376	22·920	−·005	22·875	23·027	8th	22·797	19th	·230	60·8	67·3	+2·1	56·7	+0·5	62·0	+1·3	10·6	70·3	4th	53·2	6th	17·1
	Shillong	4,920	24·969		24·931	25·099	8th	24·815	20th	·284	68·1	74·7		63·0		68·8		11·7	77·9	15th	58·7	8th	19·2
	Cherra Poonjee	4,309	25·536		25·487	25·661	8th	25·353	20th	·308	66·7	72·3		61·6		68·4		7·7	77·7	14th	58·3	6th	19·4
	Maymyo	3,545	26·300		26·245	26·360	8th	26·213	20th	·147	71·4	78·4		67·7		73·1		10·7	82·9	20th	65·6	23rd	17·3
	Pachmarhi	3,528	26·264	+·010	26·211	26·369	3rd	26·159	19th	·210	77·5	90·7	+4·8	73·9	+1·9	82·3	+3·4	16·8	98·7	13th	65·6	26th	33·1
	Mount Abu	3,945	25·884	+·024	25·834	25·999	3rd	25·724	19th	·275	73·1	84·7	+1·4	68·6	+0·5	76·7	+1·0	16·1	91·7	3rd	63·9	19th	27·8
	Mescara	3,781	26·164	+·006	26·097	26·224	3rd	26·082	30th	·142	66·2	74·1	+1·2	63·2	−0·1	68·7	+0·6	10·9	81·0	6th	60·0	28th & 30th.	21·0
	Ootacamund	*7,399*	22·990		22·926	23·056	3rd	22·911	30th	·144	58·1	65·3		52·3		58·8		13·0	73·0	5th	46·2	2nd	26·8
	Kodaikanal	7,688	22·791		22·726	22·863	3rd	22·700	30th	·163	58·9	65·3		53·7		59·5		11·6	70·0	2nd, 6th & 8th.	50·5	16th	19·5

N.B.—Elevations in italics indicate barometrical determinations.

* Mean of 27 days.
† „ „ 29 „

NOTE.—The barometric readings are not reduced to sea-level in the cases of

B—continued.

stations, in India, etc., in June, 1908—continued.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th June 1908.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Stations in the Bay.
				2	10	11	4	3	S 37° W		14·0			70		86		1·006		7·3		10			7·11			11·23			2·30	P. V. Fraser.
					4	14	7		S 51° W§		4·9			88		87		·937		9·6		16			12·18			19·47			2·50	Car Nicobar.
2					1	18	9		S 57° W	S 57° W	11·2‡	10·4	+0·8	86	+12	85	− 3	·887	−·067	9·2	+0·8	19			27·31	18·65	+8·66	49·44	35·74	+13·70	10·17	Port Blair.
	1				4	18	6	1	S 52° W		26·1			79		89		·964		9·5		19			19·23			27·17			4·83	Slipper Island.
																																Kashmir.
17	6	1	1				1	4	N 12° W	S 45° E	3·7	3·8	−0·1	33	+25	76	− 5	·495	−·079	1·5	−1·7	3	3·80	−0·80	0·52	1·79	−1·27	2·38	4·39	− 2·01	0·22	Srinagar.
7	4	10	2	2		2	1	2	N 35° E		7·1			40		79		·424		1·9		7			2·91			2·99¶			0·92	Gulmarg.
12	5	8	2	1	2				N 46° E		3·8			37		79		·271		2·6		7			2·60			6·38			0·54	Sonemarg.
26	1		1	1	1				S 66° E		4·6			7		61		·246		3·2		2	1·70	+0·30	0·92	0·71	+0·21	2·92	3·53	− 0·61	0·50	Dras.
28							2		W	S 72° W	3·6‡	2·6	+1·3	7	−40	41	− 1	·161	−·023	5·1	+1·5	0	0·60	−0·60	0·17	0·17	0	0·23	0·39	− 0·16	0·09	Leh.
21	2	1	2		2	2			S 60° E		5·7			3		45		·154		2·9		0	1·10	−1·10	0·25	0·40	−0·15	2·80	1·44	+ 1·36	0·07	Skardu.
																		Observations not received.														Minimarg.
																		Observations not received.														Astor.
27						1	2		S 75° W		1·6			10		41	+ 3	·349	−·006	3·0	+0·2	1	0·80	+0·20	0·30	0·35	−0·05	2·61	0·92	+ 169	0·18	Gilgit.
																																Baluchistan.
28		1						1	N	S 8° W	2·2	3·0	−0·8	5	− 1	33	−16	·299	−·156	0	−0·6	0	0·80	−0·80	0	0·19	−0·19	0·02	0·59	− 0·57	0	Quetta.
3			1		8	13	2	3	S 39° W	S 53° W	7·6	9·0	−1·4	62	+14	33	+ 4	·345	−·017	0	−0·5	0	0·10	−0·10	0	0·09	−0·09	0	0·14	− 0·14	0	Chaman.
3	3	3			1	7	10	3	N 85° W		10·6			49		58		·785		0		0			0			0			0	Robat.
																																Hill Stations, excluding Kashmir and Baluchistan.
																	Observations are untrustworthy.															Chitral.
26	1				1		1	1	N 63° W		4·6			7		28		·251		2·7		3	3·40	−0·40	0·77	1·43	−0·66	3·53	3·45	+ 0·08	0·38	Para Chinar.
3	15	1		2	1		1	7	N 12° W	S 79° E	10·4	9·9	+0·5	62	+57	27	−24	·270	−·233	0·7	−2·0	0			0·06	0·73	−0·67	0·84	1·94	− 1·10	0·06	Chenat.
16	1	3	1	5		1		3	N 75° E	S 63° E	7·6	7·2	+0·4	13	+ 2	41	−11	·368	−·015	1·1	- 2·4	4	8·00	−4·00	1·74	3·52	−1·78	4·25	6·49	− 2·24	0·51	Murree.
	1		3	1	11	9	3		S 65° W		2·2‡			63		56		·240		4·6		2			0·75	1·34	−0·59	2·80	3·92	− 1·12	0·50	Kailang.
	23			5			2		N 4° W	N 41° E	5·5	4·5	+1·0	62	+47	46	−20	·297	−·105	2·4	−2·6	4	9·80	−5·80	1·16	7·85	−6·69	3·06	10·91	− 7·85	0·40	Simla.
10		1	2	3	10	3	1		S 42° W		3·5			47		52		·315		2·8		8			3·31			4·83			1·10	Sarain.
4	17	1		3	1		4		N		8·6			58		57		·209		3·0		8			5·47			5·98**			1·33	Kalabagh.
10	5			5	9		1		S 19° E	S 8° W	8·8	7·4	+1·4	27	+18	59	−12	·383	−·054	3·7	−0·3	8	10·60	−2·60	3·84	8·77	−4·93	5·60	11·20	− 5·60	0·82	Chakrata.
7				2		1	19	1	S 86° W		8·6			62		56		·336		4·2		6			2·97			4·82			0·93	Muktesar.
7	2	5	3	3	1	4	2	3	N 45° E	S 76° E	3·1	5·1	−2·0	10	− 5	94	− 1	·504	+·006	8·7	+0·1	22	20·81	+1·19	17·52	23·77	−6·25	27·76	32·55	− 4·79	3·10	Darjeeling.
24				2	1	2	1		S 15° W		4·1			13		83		·574		7·6		20	20·40	−0·40	12·78	15·87	−3·61	22·79	26·02	− 3·23	2·70	Shillong.
8	1	1	3	2	4	6	4	1	S 28° W		4·0			30		95		·620		8·8		27	24·70	+2·30	65·69	101·56	−35·87	100·39	151·49	−51·10	10·05	Cherra Poonjee.
6		2	1	2	7	9	3		S 23° W		2·6			46		88		·675		3·1		13	11·80	+1·20	6·17	7·20	−1·03	19·41	17·62	+ 1·79	2·16	Maymyo.
1	1					4	19	5	N 86° W	S 81° W	12·6	9·2	+3·4	82	+15	63	− 9	·562	−·059	4·0	−2·5	9	11·00	−2·00	10·41	10·92	−0·51	10·41	11·42	−1·01	3·17	Pachmarhi.
	1		2	2	21	3	1		S 44° W	S 59° W	11·8	11·4	+0·4	72	+ 5	70	− 3	·547	−·024	6·2	+0·9	2	6·70	−4·70	3·11	6·21	−3·10	3·11	7·20	− 4·09	2·93	Mount Abu.
	1					7	15	7	N 88° W	N 88° W	5·7	7·8	−2·1	82	+ 8	94	+ 1	·600	−·006	8·8	−0·2	19	24·80	−5·80	14·10	27·35	−13·25	19·62	33·13	−13·51	1·48	Mercara.
8			2		3	2	13	2	S 78° W		6·6			46		76		·362		6·7		10	13·30	−3·30	2·54	6·18	−3·64	9·41	12·11	− 2·70	0·35	Ootacamund
	1			3	5	1	15	5	S 79° W		14·6‡			56		71		·867		5·9		12	8·50	+3·50	2·35	4·01	−1·66	7·41	10·48	−3·07	0·32	Kodaikanal.

ill or plateau stations, the elevations of which exceed 3,200 feet,

‡ Uncorrected.
‖ Mean of 28 days.

¶ Since 29th May 1908.
** ,, 12th ,, ,,

Tab

(2) *Abstract of observations taken at 8 hrs. at 2*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure 8 hrs. in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Extra India.																						
	Singapore (*a*)	10	29·926		29·857	29·977	13th	29·878	25th	·099	83·8	87·7		74·0		80·9		13·7	92·0	2nd	72·4	29th & 30th,	19·6
	Penang (*a*)	20	29·903		29·848	29·971	19th	29·837	28th	·134	82·8	90·6		74·3		82·5		16·3	92·0	8 days	72·0	4 days	20·0
	Trincomalee	12	29·839†	+·044†	29·777†	29·891	13th	29·768	10th	·123	79·5	90·9	−0·7	78·5	+0·1	84·7	·0·3	12·4	94·0	17th	77·0	17th & 26th.	17·0
	Colombo	40	29·873	+·013	29·839	29·924	5th	29·814	10th	·110	79·0	86·0	+0·3	77·7	+0·2	81·9	+0·3	8·3	88·0	2nd, 6th & 7th.	74·0	11th & 12th.	14·0
	Minicoy	7	29·919			29·983	23rd	29·845	28th & 30th.	·138													
	Amini Divi	*13*	29·856	+0·21	29·797	29·930	4th	29·734	30th	·146	82·5	86·5	+2·4	78·0	−0·1	83·3	+1·2	10·5	94·5	1st & 3rd	74·0	27th	20·5
	Gyantse	13,120	18·514§			18·576	8th	18·441	20th	·135	55·2	76·2		43·0		59·6		33·2	87·7	16th	36·9	1st	50·8
	Pharijong	14,400	17·890§			17·980	16th	17·807	18th	·123	46·4	58·3		35·7		47·0		22·6	65·9	16th	28·0	3rd	37·9
	Gangtok	5,660?	24·274			24·346	6th	24·137	20th	·209	67·1	73·6		61·5		67·6		12·1	77·6	11th	57·0	6th	20·6
	Gartok	15,100?								Observatory not opened.													
	Kashgar (*c*)	4,255	25·473			25·760	8th	25·190	20th	·570	73·3	89·1	−0·8	62·9	−2·7	76·0	−1·8	26·2	101·3	27th	54·5	11th	46·8
	Kabul		24·161¶		24·130¶	24·334	3rd	24·014	20th	·320	76·0	88·3	−0·9	55·1	−3·6	71·7	−2·3	33·2	99·6	28th	48·4	1st	51·2
	Meshed	3,104	26·706			26·972	6th	26·444	25th	·528	73·8	83·5		56·0		72·2		32·5	99·6	27th	48·8	8th	50·8
	Jask	13	29·586	+·027	29·556	29·757	1st	29·438	20th	·319	89·5	96·9	+1·1	84·2	+1·1	90·6	+1·1	12·7	109·2	17th	79·3	6th & 7th,	30·5
	Muscat	20	29·594	+·041	29·561	29·779	3rd	29·431	30th	·348	93·9	101·5	+7·7	89·5	+1·4	95·5	+4·6	12·0	114·3	6th	85·6	14th & 15th.	28·7
	Bahrein	18	29·647		29·617	29·847	3rd	29·451	30th	·396	90·0			84·1							76·3	2nd	
	Bushire	14	29·603	+·029	29·576	29·818	3rd	29·408	30th	·410	87·4	91·7	+2·8	82·2	+1·7	88·4	+2·3	12·5	110·6	15th	76·1	2nd	34·5
	Busrah	25	29·660		29·643	29·845	3rd	29·463	30th	·382	88·8	100·7		79·8		90·3		20·9	109·0	8th	73·9	1st	35·1
	Ispahan (*b*) *	*5,817*	24·265			24·460	3rd	24·060	24th & 25th.	·400	71·0	91·1	−3·3	62·9	+1·0	77·0	−1·2	28·2	100·4	29th	57·2	13th	43·2
	Tehran (*b*)	*4,002*	25·678			25·900	3rd	25·400	25th	·500	76·3	94·9	+0·5	67·8	+0·7	81·4	+0·6	27·1	106·6	29th	59·8	1st & 2nd.	46·8
	Baghdad	220									86·3	101·8	+3·0	78·5	+3·1	91·6	+3·1	26·3	111·9	10th	73·8	18th	38·1
	Beirut‖				29·835						78·2	84·5		70·0		77·3		14·5	87·3	13th	66·0	16th	21·3
	Aden	94	29·698	+·049	29·720	29·835	4th	29·620	30th	·215	88·2	94·7	0	84·5	+0·8	89·7	+0·4	10·2	96·8	1st, 25th & 26th.	82·4	21st	14·4
	Perim	201	29·559	+·022	29·694	29·652	3rd	29·497	20th	·155	87·9	93·9	−1·3	84·2	+1·5	89·1	+0·1	9·7	98·1	19th	83·0	7th	15·1
	Zanzibar	72	30·082	+·005	30·081	30·143	23rd	30·046	20th	·097	75·7	82·0	+0·5	74·1	−0·1	78·1	+0·2	7·9	84·0	2nd	72·1	9th	11·9
	Do. Dunga	*154*	29·906		29·989	29·970	22nd & 23rd.	29·870	11th & 12th.	·100	73·3	81·9		73·1		77·5		8·8	83·0	12 days	70·8	13th	12·2

N.B.—Elevations in italics indicate barometrical determinations.
NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,000 feet.

(*a*) 9 hrs. observations.
(*b*) Aneroid uncorrected.
(*c*) Aneroid corrected.
* 7 hrs. observations.
‖ 8½ hrs. observations
† Mean of 28 days.

B—*concluded.*

***stations in India, etc., in June, 1908*—concluded.**

Wind direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th June 1908.	Normal rainfall for period 1st May to 30th June.	Departure from normal of period, 1st May to 30th June 1908.	Heaviest rainfall during month.	Station.
26	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Extra India.
6	2		2	6	1	7		6	S 38° W		6·1‡			17						5·7		9			5·24			13·30			1·72	Singapore.
	2	7	10		3		1	4	N 71° E		9·6‡			46						0·7		8			10·42			25·95			5·65	Penang.
						30			S 45° W	S 47° W	11·9‡	16·7	−4·8	96	+2	87	+11	·883	+·007	3·8	+0·3	0			0	1·51	− 1·51	1·96	3·97	− 2·01	0	Trincomalee.
						28	2		S 41° W	S 62° W	8·5‡	10·5	−2·0	99	+13	91	+10	·901§	+·018	7·8	+0·6	8			4·30	8·23	− 3·93	14·57	19·35	− 4·78	1·53	Colombo.
					4	22	4		W	S 81° W	14·0	16·2	−2·2	92	+ 4					7·9	+1·2	24			18·58	8·60	+ 9·98	24·52	15·00	+ 9·52	3·71	Minicoy.
2				1		12	13	2	S 70° W					72		82		·908		8·0		17			18·16	13·14	+5·02	21·05	17·24	+3·81	2·94	Amini Divi.
			2	10	12	6			S 12° E		1·6			80		62		·270				7			1·72			1·74			0·55	Gyantse.
	1		2	7	5	1			S 31° E‖		10·7			7[illegible]		94		·300		6·0		6			0·97			10·72			0·20	Pharijong.
28					1		2	1	S 85° W		1·0			1·0		90		·604		3·3		22			19·38			31·88			2·80	Gangtok.**
														Observatory not opened																		Gartok.
24	3						1	2	N 27° W	N 28° W	2·6	4·8	−2·2	17	0	34		·272	−·084	1·3	−1·2	2			0·50	0·31	+ 0·19	0·50	1·19	− 0·69	0·40	Kashgar.
	7	13				1	2	7	N 6° E	N 23° E				67	+61	36		·333		0	−0·3	0			0	0·21	− 0·21	0·12	0·75	− 0·63	0	Kabul.
18	5	1	2				1	3	N 3° W		2·0			26		46		·382		1·8	+0·6	1			0·92	0·23	+ 0·69	2·92	0·97	+ 1·95	0·80	Meshed.
7	1		6	6		1	2	7	N 63° E	S 48° E	9·1	13·2	−4·1	10	−10	79	+12	1·084	+·147	0·8	−0·3	0			0	0·11	− 0·11	0	0·11	− 0·11	0	Jask.
18	2		1	3			1	5	N 23° W	N 27° E	4·6	4·7	−0·1	10	− 9	57	−10	·863	−·085	1·6	+0·1	0			0	0·36	− 0·36	0	0·36	− 0·36	0	Muscat.
	3	1	2	3	1		6	14	N 45° W		9·5			50		66		·927				0			0			0			0	Bahrein.
3	4	4	2	2	1	1	1	12	N 18° W	N 37° W	13·8	10·7	+3·1	43	−13	72	+10	·933	+·148	0·2	0	0			0	0	0	0·07	0	+ 0·07	0	Bushire.
	5	1		2	5		3	15	N 45° W		7·3†			59		53		·726		0·3		0			0			0·25			0	Buerah ††
16	1		1		1	1	5		S 79° W‡	N 50° W	2·2	3·8	−1·6	20	−24	48	− 3	·371	−·126	0·4	+0·3	0			0	0	0	0·23	0·11	+ 0·12	0	Ispahan.¶
	4	16	1		3	4	1	1	N 38° E	S 7° W	5·4	3·0	+2·4	43	+26	60	+28	·535	+·208	0·3	−0·6	0			0·03	0·04	−0·01	0·39	0·37	+ 0·02	0·03	Tehran.
3	11	3	2	1	1		1	8	N 7° W	N 9° W	9·7	4·9	+4·8	57	−11	37	− 3	·463	−·026	1·0	+0·9	0			0	0	0	0·11	0·24	− 0·13	0	Baghdad.
	2	3				21	1	3	S 61° W					59		64		·623		1·5		1			0·37			1·05			0·37	Beirut.
5	2	9		4	10				S 61° E	S 34° E	9·5	9·3	+0·2	33	+ 7	75	+ 3	·682	+·044	3·2	+0·2	0			0	0·01	− 0·01	0	0·20	− 0·20	0	Aden.
	1	2	2	2	4		8	11	N 66° W	N 72° W	12·5	13·4	−0·9	40	−12	71	− 2	·934	−·021			0			0	0	0	0	0·37	− 0·37	0	Perim.
				2	14	12	2		S 21° W	S 13° W	7·8	8·8	−1·0	87	0	86	+ 3	·766	+·038	6·8	+1·7	6			3·35	1·07	+ 2·58	17·58	11·69	+ 5·89	1·06	Zanzibar.
1					9	19			S 76° W		4·7			87		95		·784		2·0		5			3·60			17·46			1·02	Do. Dunga.

‡ Uncorrected.

§ Mean of 29 days.

‖ Winds for 16 days.
¶ " " 25 "
** " " 28 "

†† Winds for 29 days.

Table C.—Abstract of observations taken at 8 hrs. at 28 fourth class stations, in India, in June, 1908.

Table

Abstract of observations taken at 8 hrs. at 28 fourth

Number of subdivision.	Station.	Temperature of air.													Wind direction.									
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	II.—Eastern Bengal and Assam.																								
4	Bishnath	78·8	90·5	...	71·3	...	80·9	...	19·2	94·7	23rd	66·7	5th	28·0	...	...	...	...	..	...	...	...	...	...	...
	Borjuli	81·0	90·1	...	75·0	..	82·6	...	15·1	95·2	3rd	72·4	5th	22·8	...	...	...	...	...		...	...	...	...	...
	Chandkhira	80·6	90·1	...	75·1	...	82·6	...	15·0	97·6	2nd	70·5	5th	27·1	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	78·2	86·7	...	74·5	...	80·6	...	12·2	94·4	16th	72·2	9th	22·2	...	...		...	...	...	...	...	...	...	...
	Dikom	79·1	90·5	...	75 7	...	83·1	...	14·8	95·6	14th	71·0	6th	24·6	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	81·9	90·6	...	76·0	...	83·3	...	14·6	94·8	29th	70·9	1st	23·9	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	78·0	91·1	...	75·2	...	83·2	...	15·9	97·0	2nd	70·4	5th	26·6	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	82·9	91·5	...	76·2	...	83·9	...	15·3	94·7	2nd	72·3	6th	22·4	...	...	...	...	...	...	...	...	...	...	..
	Messr	83·7	93·4	...	74·7	...	83·6	...	18·7	98·3	2nd	68·3	15th	30·0	...	...	...	...	...	...	...	...	...	...	..
	Panerihat	76·3	88·7	...	74·2	...	81·5	...	14·5	93·1	23rd	70·2	8th	22·9	...	...	...	...	...	...	...	...	...	...	..
	Srimangal	81·4	90·7	...	76·0	...	83·4	...	14·7	96·0	2nd	70·2	5th	25·8	...	...	...	...	...	...	...	...	...	...	..
5	Brahmanbaria	82·0	89·2	...	76·6	...	82·9	...	12·6	94·6	2nd	68·9	7th	25·7	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	78·5	91·4	...	74·8	...	83·1	..	16·6	96·7	3rd	71·1	6th	25·6	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	82·7	90·3	...	76·3	...	83·3	...	14·0	97·7	3rd	69·6	6th	28·1	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	80·6	89·5	...	74·9	...	82·2	...	14·6	94·0	2nd	71·9	3rd & 5th	22·1	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	78·1	89·0	...	75·1	...	82·1	...	13·9	94·1	2nd & 3rd	72·0	30th	22·1	...	...	...	...	...	...	...	...	...	...	...
	Pabna	82·9	91·9	...	75·6*	...	84·0	...	16·3	101·0	4th	66·8	6th	34·2	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								...
6	Fraserganj	84·4	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	...	...	11	10	1	1	S 42° W	
	XI.—Central Provinces.																								
24	Chhindwara	83·3	97·6	...	77·7	...	87·6	...	19·9	107·7	4th	68·9	27th	38·8	...	...	1	...	...	...	3	6	20	N 59 W	...
	Hill Stations.																								
	Panighatta	80·5	88·4	...	74·2	...	83·0	...	14·2	92·5	2nd	71·1	4th	21·4	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	67·6	74·3	...	64·2	...	69·3	...	10·1	77·5	16th	61·9	9th	15·6	...	...	...	...	...	...	...	...	...	...	...
	Poo		72·5‡	...	55·3	...	64·0‡	...	17·2	78·6	27th	49·3	1st	29·3	18	...	...	...	3	2	3	...	1	S 9° W	...
	Kargil	58·2	78·3	...	49·7	...	64·0	...	28·6	87·9	29th	44·0	9th	43·9	...	...	2	...	2	1	8	6	11	N 87° W	...
	Killa Drosh	74·9	91·2	...	70·8	...	81·0	...	20·4	101·2	27th	60·0	1st	41·2	24	...	5	...	1	...	...	...	...	N 53° E	...
	Pishin		93·3	...	58·7	...	76·1	...	34·6	103·4	28th	51·7	10th	51·7	...	...	...	...	...	...	...	...	...	...	...
	Kalat	73·6	88·1	−4·0	49·2	+0·2	68·7	...	38·9	100·2	29th	41·1	10th	59·1	...	7	...	...	...	20	...	3	...	S 13° W	...
	Extra India.		¶																						
	Maidan	...	115·7	...	...	...	...	...	...	122·0	30th	...	...	...	...	...	...	2	...	3	9	15	...	S 65° W	...
	Birjand	77·4	88·4	...	66·5	...	77·5	...	21·9	101·5	27th	57·2	12th	44·3	1	6	11	3	1	...	..	...	...	N 43° E	...
	Chumbi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...

* Mean of 29 days.
‡ " " 28 "

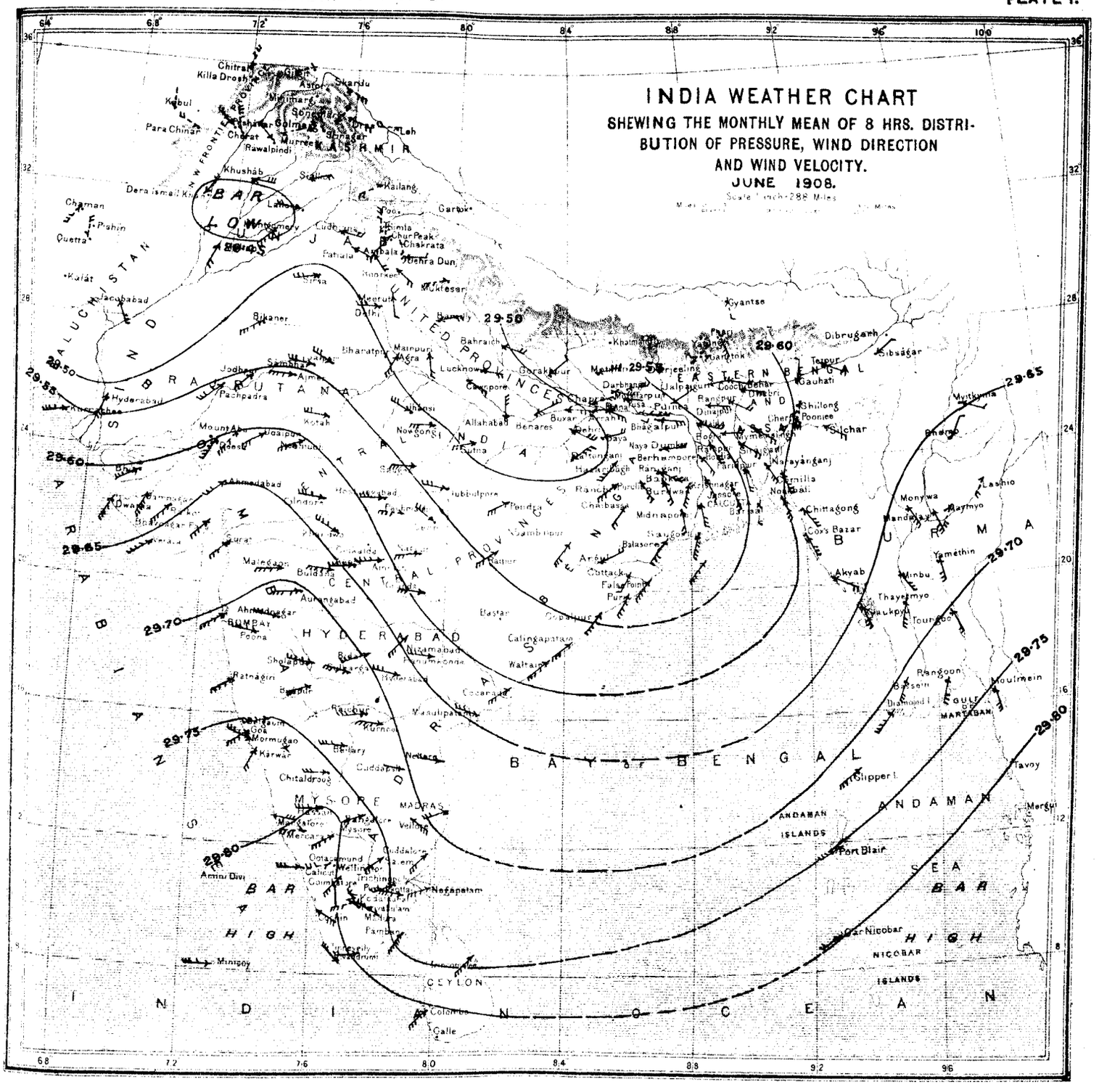
¶ Maximum uncorrected.

C.

class stations in India, etc., in June, 1908.

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Mean velocity in miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal, in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th June 1908.	Normal rainfall for period.	Departure from normal of period.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Eastern Bengal and Assam.
...	...	...	...	...	93	...	·972	...	...	...	15	...	...	16·68	...	...	26·27	...	...	3·58	Bishnath.
...	...	...	...	...	87	...	·922	...	...	...	19	...	...	14·80	...	...	24·58	...	...	2·10	Borjuli.
...	...	...	...	...	87	...	·911	...	...	...	21	...	...	17·86	...	...	25·54	...	...	3·35	Chandkhira.
...	...	...	...	...	95	...	·932	...	...	...	17	...	...	16·94	...	...	32·07	...	...	2·68	Doom Dooma.
...	...	...	...	...	90	...	·895	...	...	...	19	...	...	18·52	...	...	32·62	...	...	2·85	Dikom.
...	...	...	...	...	86	...	·943	...	...	...	14	...	...	6·77	...	...	12·19	...	...	1·40	Golaghat.
...	...	...	...	...	91	...	·868	...	...	...	19	...	...	16·41	...	...	24·30	...	...	2·24	Hailakandi.
...	...	...	...	...	82	...	·918	...	...	...	15	...	...	11·11	...	...	19·64	...	...	2·86	Jorehat.
...	...	...	...	...	77	...	·899	...	...	...	14	...	...	10·17	...	...	17·02	...	...	3·40	Messa.
...	...	...	...	...	93	...	·840	...	...	...	14	...	...	7·58	...	...	17·22	...	...	1·42	Panerihat.
...	...	...	...	...	87	...	·926	...	...	...	16	...	...	14·88	...	...	26·71	...	...	2·80	Srimangal.
...	...	...	...	...	87	...	·955	...	...	...	13	...	...	9·24	...	...	19·68	...	...	2·34	Brahmanbaria.
...	...	...	...	...	91	...	·885	...	...	...	21	...	...	22·13	...	...	44·02	...	...	4·10	Dam Dim.
...	...	...	...	...	85	...	·967	...	...	...	16	...	...	14·92	...	...	20·12	...	...	3·80	Goalundo.
...	...	...	...	...	85	...	·902	...	...	...	17	...	...	17·09	...	...	42·05	...	...	5·03	Kalchini.
...	...	...	...	...	93	...	·894	...	...	...	19	...	...	16·64	...	...	38·56	...	...	5·76	Nagrakata.
...	...	...	...	...	85	...	·961	...	...	...	22	...	...	19·84	...	...	24·22	...	...	4·83	Pabna.
																					III.—Bengal.
...	...	...	47	...	88	...	1·044	...	...	...	14	...	...	19·46	...	...	23·55	...	...	7·60	Fraserganj.
																					XI.—Central Provinces.
* 8·6	...	...	83	...	66	...	·734	...	...	...	10	...	...	7·99	...	...	7·99§	...	...	1·36	Chhindwara.
																					Hill Stations.
...	...	...	...	...	82	...	·850	...	...	...	19	...	...	12·52	...	...	30·42	...	...	1·35	Panighatta.
...	...	...	...	...	90	...	·609	...	...	...	22	...	...	23·28	...	...	38·38	...	...	3·35	Kurseong.
...	...	...	22	...	...	...	...	...	3·1	...	1	...	...	0·27	0·27	0	1·06	0·98	+0·08	0·24	Poo.
...	...	...	57	...	60	...	·294	...	3·0	...	2	...	...	0·25	...	...	2·57	...	...	0·15	Kargil.
...	...	...	17	...	32	...	·274	...	2·0	...	1	...	...	0·41	...	...	2·19	...	...	0·32	Killa Drosh.
...	...	...	...	...	...	...	...	...	...	...	0	...	...	0	0·03	—0·03	0·03	0·22	—0·19	0	Pishin.
...	...	...	43	...	41	...	·347	...	...	...	0	...	...	0	0·46	—0·46	0	0·72	—0·72	0	Kalat.
																					Extra India.
...	...	...	70	...	... *	...	... *	...	0·3	...	0	...	...	0	...	...	0·15	...	...	0	Maidan.‖
† 11·4	...	...	77	...	26	...	·246	...	0·1	...	0	...	...	0	...	...	0	...	...	0	Birjand.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chumbi.

† Mean of 20 days.
‖ Wind variable 1.
§ Total rainfall since 1st June 1908.



The lines of the above chart represent isobars or lines of equal barometric pressure, the numbers attached indicating the barometric pressure in inches and being drawn for differences of pressure of ·05 inch. The isobars in the Bay of Bengal are filled in by means of the shore observations, and by comparison with the normal distribution of pressure.

The mean 8 hrs. wind directions of the month are shewn by means of arrows flying with the wind, and are calculated by means of Lambert's formula applied to the winds as given in Table B of the 8 hrs. observations. The mean wind directions for the hill stations are indicated by broken arrows to distinguish them from the wind arrows for the plain stations. The mean velocity of the winds during the month is shewn by the following notation:—

Velocity of	0 to 2	miles per hour	...	one	feather added to the wind arrow.	
,, ,,	2 to 5	,, ,,	...	two	feathers	,, ,, ,, ,,
,, ,,	5 to 10	,, ,,	...	three	,,	,, ,, ,, ,,
,, ,,	10 to 20	,, ,,	...	four	,,	,, ,, ,, ,,
	over 20	,, ,,	...	five	,,	,, ,, ,, ,,

LITHO. BY N.L. HALDER.

The chart shows the departure from normal of the mean during the month of 8 hrs. pressure by means of lines drawn for equal amounts of departure. The numbers are given in thousandths of an inch, 20 representing ·020″ or two hundredths of an inch, &c. Continuous lines indicate that the pressure was in excess by amounts indicated by the numbers attached to the lines, and broken or dotted lines that it was in defect by amounts indicated by the numbers attached to the lines. Two parallel lines near to each other, one continuous and the other broken or dotted, represent the line of no departure, the dotted line facing the area of deficient pressure or negative departures.

Reg No. 1653 E., 08.—Dir. Genl., Observatories.—May 08.—2,050.

Zimco., S. I. O., Calcutta.

PLATE III.

CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MAXIMUM TEMPERATURE.

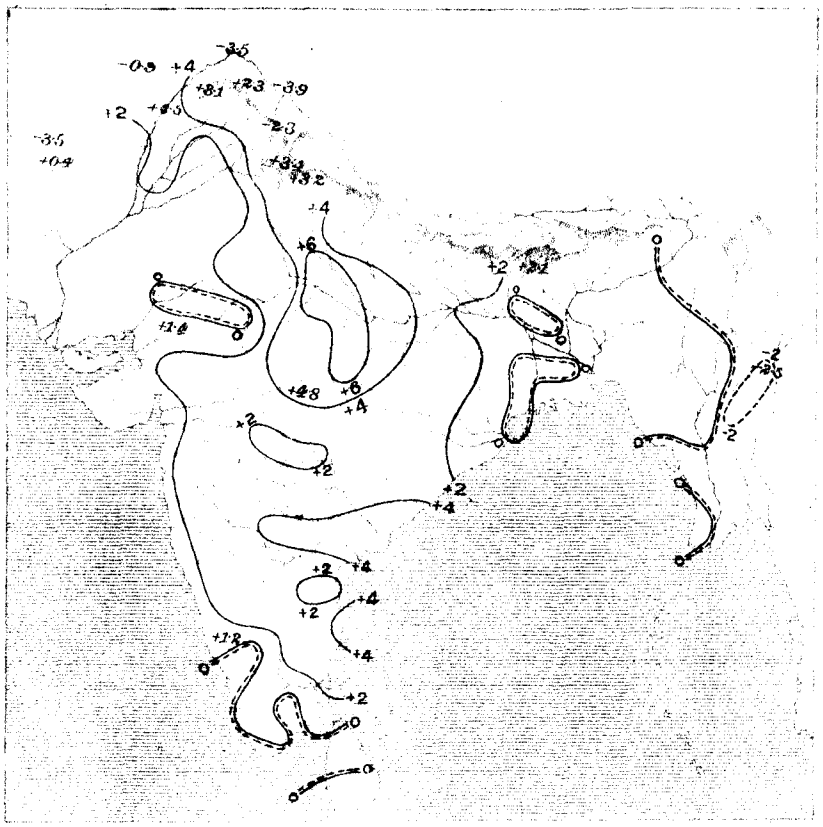
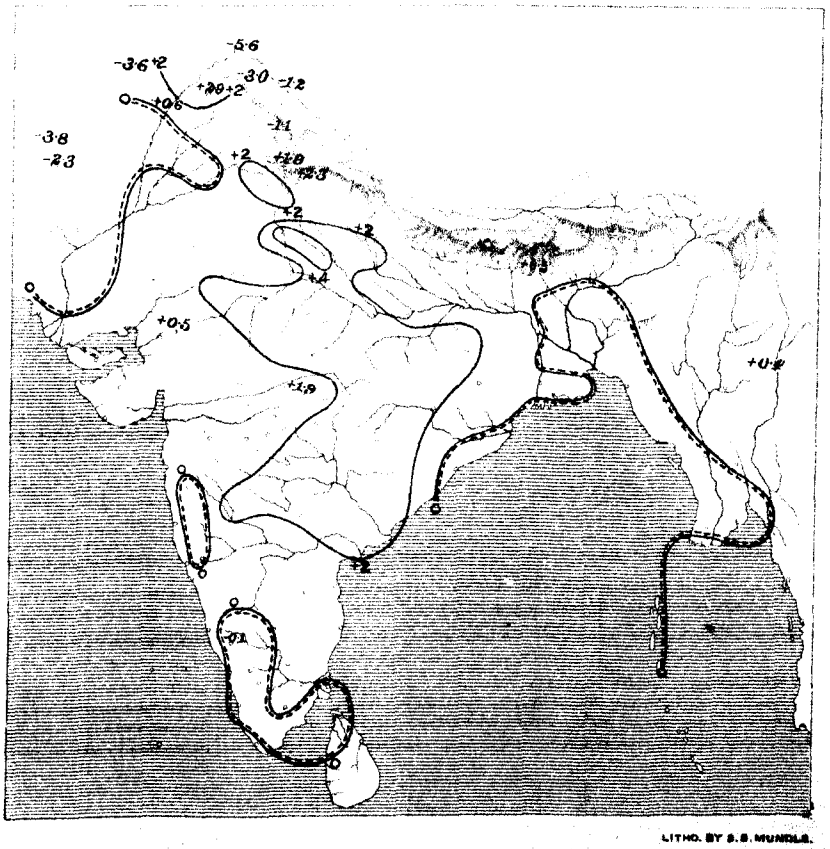


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.



LITHO. BY S.S. MUNDLE.

PLATE IV.

CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MEAN TEMPERATURE.

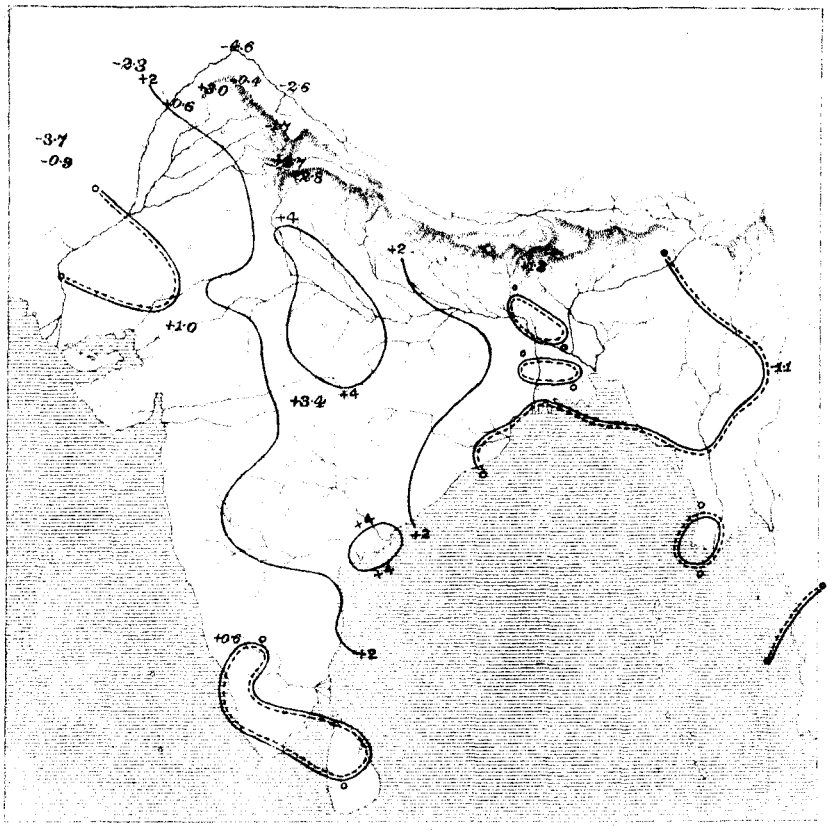


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.

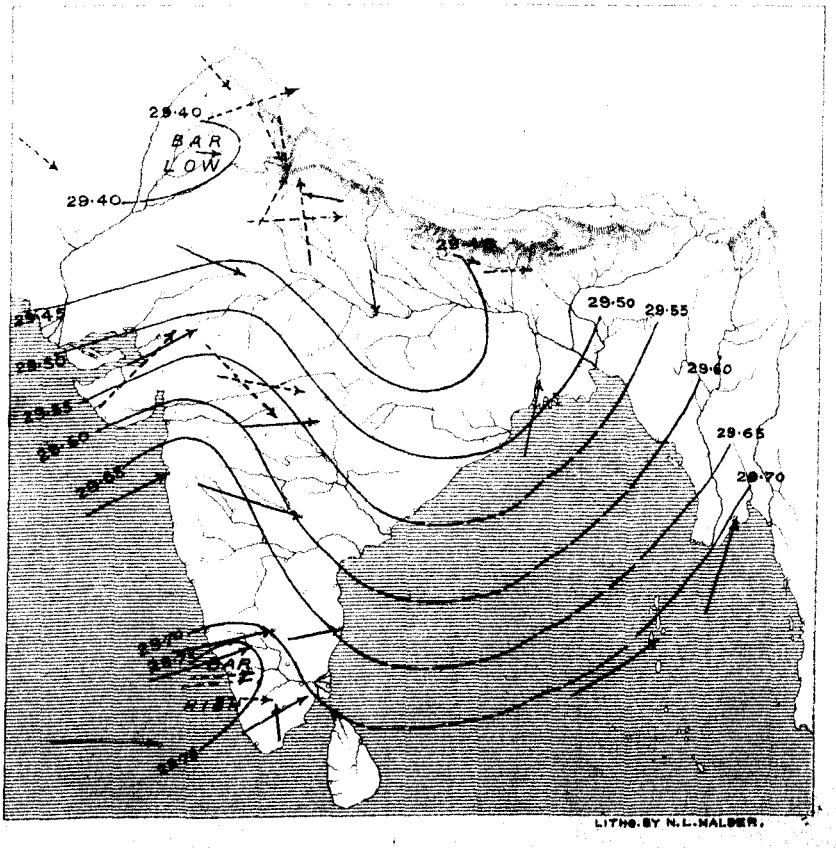


PLATE V.

CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF ABSOLUTE
HUMIDITY AT 8 HRS.

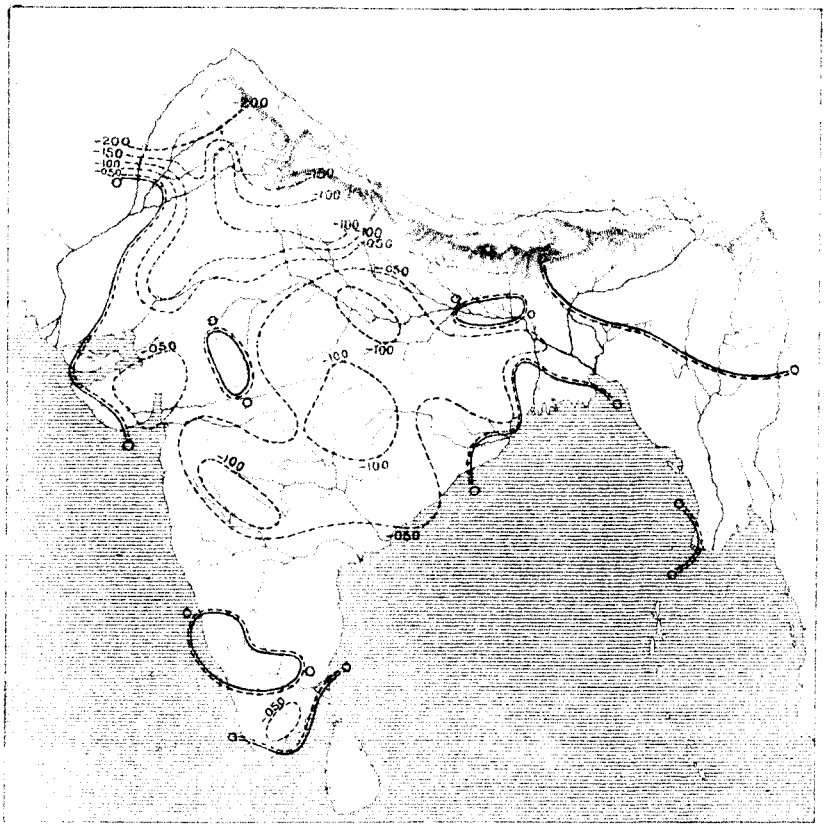


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF RELATIVE
HUMIDITY AT 8 HRS.

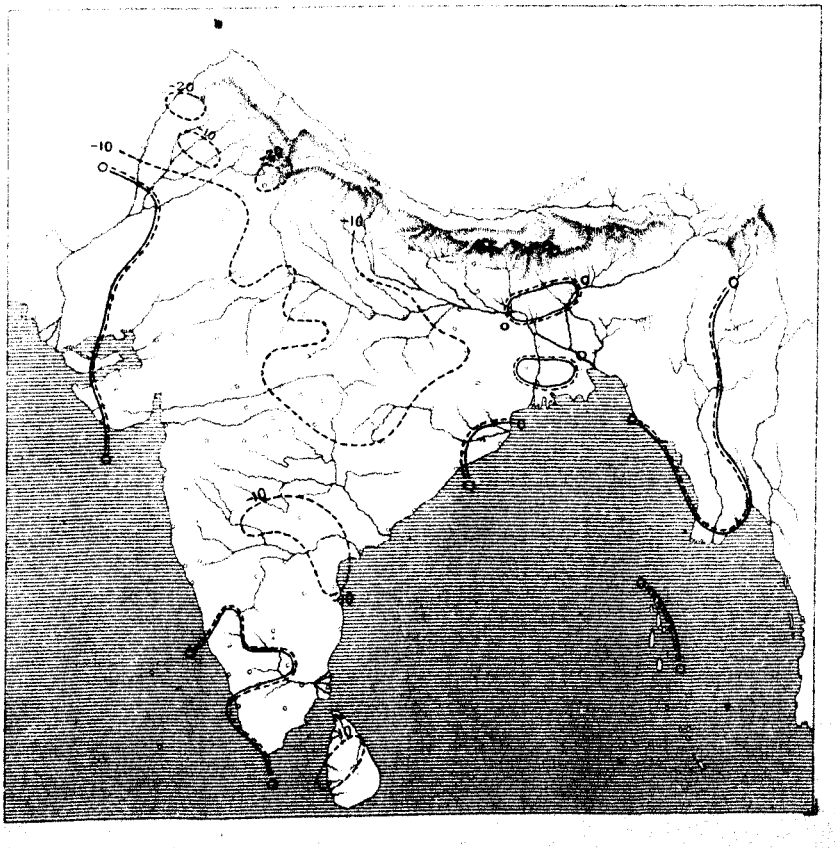


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

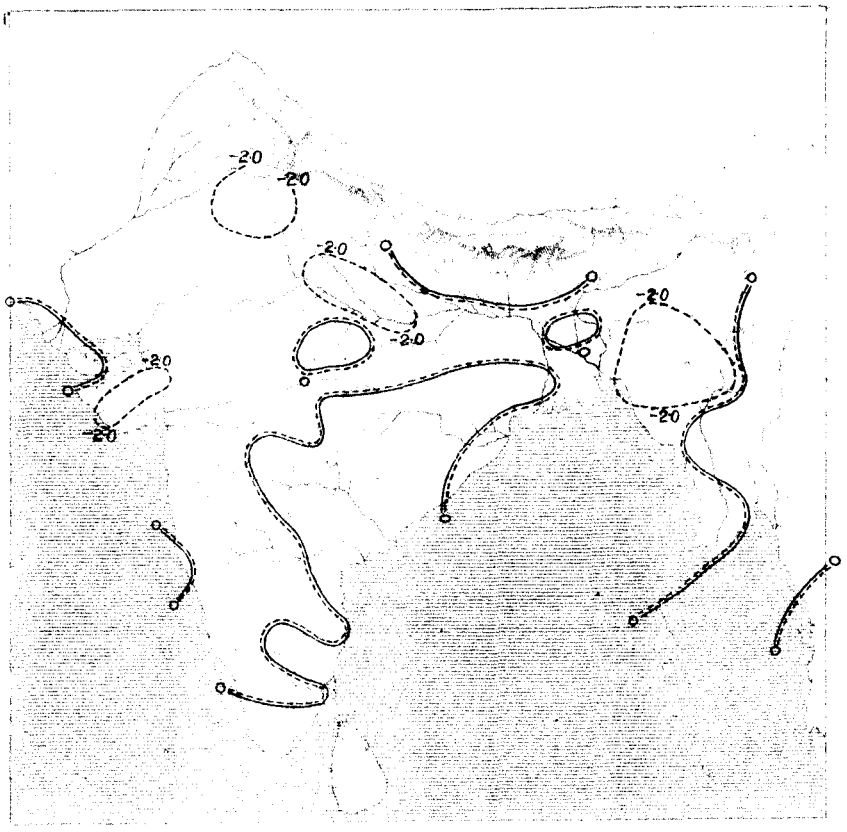
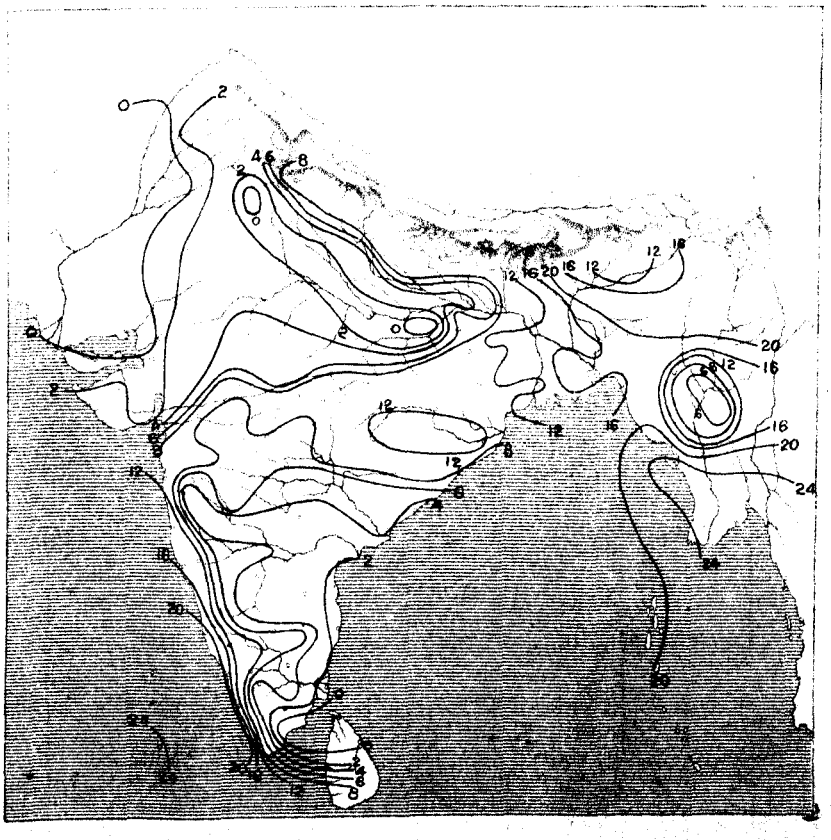
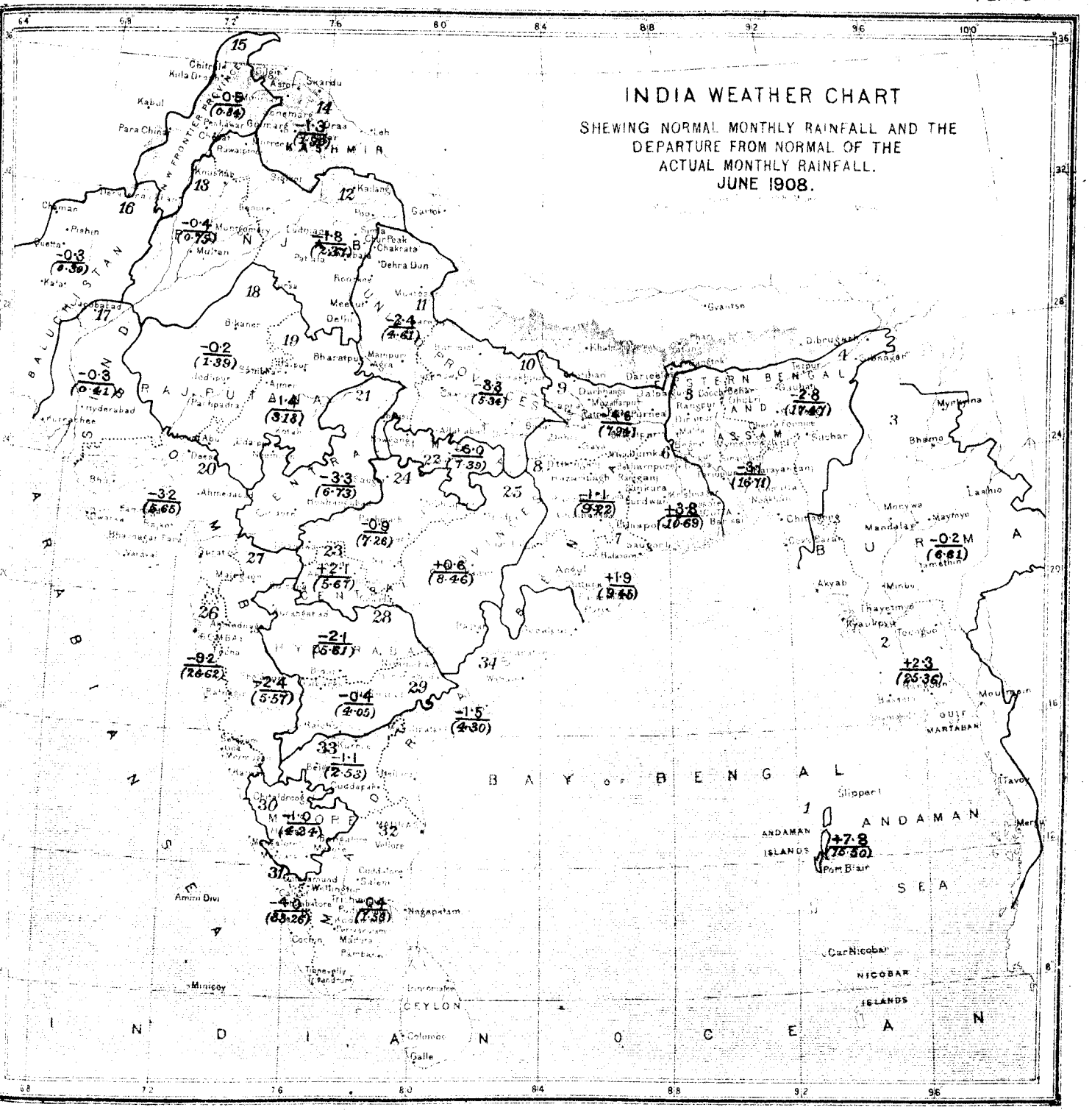


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)





Reg. No. 1653 E., 08.—Wr., India.—July 08.—5,000. Zinco. S. I. O., Calcutta

The country is divided into 34 areas as shown in the list below. The numbers in that list correspond with the red numbers on the chart, and serve to identify the areas. The numbers in brackets on the chart give the average over the divisions of the normal monthly rainfall; the numbers above these give the departures from normal of the average actual rainfall over the divisions.

1. Bay Islands
2. Lower Burma
3. Upper Burma
4. Assam
5. Eastern Bengal
6. Bengal
7. Orissa
8. Chota Nagpur
9. Bihar
10. United Provinces, East
11. Do., West
12. Punjab, East and North
13. Do., Southwest
14. Kashmir
15. Northwest Frontier Province
16. Baluchistan
17. Sind
18. Rajputana, West
19. Rajputana, East
20. Gujarat
21. Central India, West
22. Do., East
23. Berar
24. Central Provinces, West
25. Do., East
26. Konkan
27. Bombay, Deccan
28. Hyderabad, North
29. Do., South
30. Mysore
31. Malabar
32. Madras, Southeast
33. Madras, Deccan
34. Madras Coast, North

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GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

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CALCUTTA, JULY, 1908.

INTRODUCTION.

THIS review of the weather in India for the month of July 1908, is based on observations taken daily at 8 hrs. at 240 stations and on additional observations taken at 10 hrs. and 16 hrs. at 37 stations. In the case of the rainfall section of the review there are utilized the data afforded by the meteorological observatories and such rainfall statements of the month as had been published in the Government Gazettes by the Provincial Governments prior to the date of the publication of the review. The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories.

For a statement of the methods adopted in recording and tabulating the data, for each of the elements of observation, reference should be made to the introductory portion of the review for January.

Summary of the chief features of the weather in India during the month of July, 1908.

2. During the first week monsoon conditions were firmly established over all parts of the country except the east of the United Provinces where they were not established until the 14th. The monsoon was very active throughout the month over the greater part of the country but especially in Bengal, the west of the United Provinces, the Punjab, Sind, Rajputana, Gujarat, Central India and on the west coast, in all of which areas there was a large excess of rainfall. The most noteworthy feature of the month was the persistence with which both currents failed to give adequate rain to Bihar and the east of the United Provinces although the adjacent areas received abundant rainfall.

There was more cloud than usual and the air was damper and not as hot as usual over a large part of the country, especially where the monsoon rainfall was heaviest.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar observations.*—July was even more unfavourable for solar observations than June. On three days no observations were possible and there were complete visual prominence observations only on seven days; on seven other days partial observations of prominences were possible. On many of the unfavourable days, however, the prominence records were rendered fairly complete by means of spectroheliograms.

4. *Sunspots.*—There were 23 new groups in the month with a daily average of 3·5 but on 5 days there was only one group visible. Group 1476 was a return of 1453 and 1468 was near the position of 1453. A slightly greater spot activity had been noticed in the northern hemisphere in June, but the relatively higher activity of the southern hemisphere reasserted itself in July. The latitude distribution was as follows:—

	0°-10°	11°-20°	21°
North	3	5	...
South	5	9	1

There were four fairly large spots in the month; Nos. 1452, 1453, 1469 and 1476. Nos. 1452, 1453 and 1476 were spots of regular outline which underwent very little change from day to day. No. 1469 was first seen on the 15th as a train of dots about 20° to the west of the central meridian. On the 16th the spots increased in size and one of them was fairly large. At 8 h. 30 m. on that day F was displaced 0·5 A° to red over a large area to the east of the group. No. 1474 was another group of dots first seen 15° to the west of the central meridian. None of the components grew in size but the group increased in length for several days.

Prominences.—There were only 27 prominences one minute or more in height—a smaller number than was observed in June. On the 17th, 25th, 26th and 29th there was a fine long group of fairly large prominences quite close to one another and occupying the western quadrant of the sun's limb. There was a similar group but not quite so long near the east limb on the 2nd. No metallic prominences were observed during the month but a highly eruptive prominence was observed at latitude +10° east on the 31st. It underwent many minor changes as shown by successive calcium photographs, but the main part of it, which had the form of a horse-shoe, persisted with little or no change in all the photographs of that day and could also be traced in a photograph taken on the previous day. This prominence was associated with spot 1478, first seen at the east limb on the 31st, and which showed reversals of C, D_1, D_2 and D_3 on the umbræ as it advanced westwards.

Magnetic disturbances.—There were "moderate" magnetic disturbances on the 15th, 16th and 17th and "small" ones on the 13th, 18th and 25th. Two groups 1467 and 1469 formed near the central meridian on the 13th and 15th but a similar group, 1474, formed in the same region on the 20th and there was no disturbance on that day.

C. MICHIE SMITH,
Director,
Kodaikanal and Madras Observatories.

BOMBAY OBSERVATORY.

ALIBAG MAGNETIC RECORD.

During the month of July the traces showed 21 calm days, 9 days of small and 1 day of moderate disturbance.

The days of the month selected as quiet are the 2nd, 8th, 14th, 23rd and 31st.

The observed absolute values of the several magnetic elements reduced to the mean monthly tabulations of the magnetograms as also the ranges and the summed ranges of the horizonal force and declination for the month are as follow:—

Easterly Declination . . .	1° 1′ 33″
Horizontal force	0·36868 C. G. S. Unit.
Vertical force	0·15921 ,,
Dip (calculated) . . .	23° 21′·4.
Dip (observed twice a week) .	23° 20′·5.
Horizonal force range . .	0·00049 C. G. S. Unit.
Horizontal force summed range .	0·00360 ,,
Declination range . . .	4′·77
Declination summed range .	21′·19

[Note.—Summed range means sum without regard to signs of ordinate of diurnal inequality.]

The following table represents the magnetic character of each day of the month:—

Day.	Character.	Day.	Character.	Day.	Character.
1	C.	11	C.	21	C.
2	C.	12	S.	22	C.
3	C.	13	C.	23	C.
4	C.	14	C.	24	S.
5	S.	15	S.	25	S.
6	S.	16	M.	26	C.
7	S.	17	S.	27	C.
8	C.	18	S.	28	C.
9	C.	19	C.	29	C.
10	C.	20	C.	30	C.
				31	C.

C = calm; S = small; M = moderate; G = great; V. G = very great.

Seismic disturbances recorded at Bombay.—Three seismic disturbances were recorded during the month, 1 on the 13th and 2 on the 26th.

List of Seismic disturbances.

Date.	Commencement.	Maximum.	End.	Maximum Amplitude.	Duration.
	H. M.	H. M.	H. M.	mm.	H. M.
13th July . .	21 44·8	21 49·4	22 6·1	0·5	0 21·3
26th ,, . .	16 19·6	16 26·7	16 44·5	0·5	0 24·9
26th ,, . .	17 30·5	17 39·1	17 58·4	0·4	0 27·9

All times given above denote G. M. T.

N. A. F. Moos,
Director,
Bombay and Alibag Observatories.

CALCUTTA OBSERVATORY.

5. There was no displacement in the seismograph trace during July 1908.

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. No earthquakes were registered on the seismograph during the month.

The following table contains a list of the earthquakes that have been reported:—

Place at which felt.	Date.	Time of earthquake. G.M.T. H	M.	Direction.	REMARKS.
Katihar (E.B. S.B)	5th	17	0	—	Slight.
Herat (Afghanistan)	26th	—		—	Heavy shock lasting a minute.
Colombo	26th	16	8	—	Lasted about 10 minutes.
Do.	„	17	20	—	Lasted about 8 minutes.
Quetta	29th	18	20	—	Slight.
Do.	„	18	25	—	Slight.

Solar Radiation.—No opportunity occurred during the month for measuring solar radiation near local noon by means of Angstrom's pyrheliometer. Skies were clouded throughout the period.

J. PATTERSON,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. *Solar observations.*—Observations were taken from 2nd to 10th, except the 5th and 8th, and from 20th to 29th except the 22nd and 23rd. Sunspots, singly and in groups, and faculæ were seen on each day of observation.

Magnetic Disturbances.

Day.	Time.	Disturbance.
15	6½ h. to 20 h.	Small fluctuations in H. F. followed by wave till 16th 4½h. (−94) with small superposed fluctuations.
16	16 h. to 18½ h.	Wave in H.F. (−25); small fluctuations in Dec. and H. F. from 16th 0 h. to 12 h. very slight in H. F.
17	8 h. to 12 h.	Two successive waves in H. F. (−12 to −8).

T. F. CLAXTON,
Director.

Weather in the Indian monsoon region.

8. In the Indian Ocean as represented by the three insular stations for which data are given in the following statement, pressure and winds agreed closely with the normal, while rainfall was more or less in excess.

The conditions in the Indian Ocean were thus not unfavourable to monsoon rains in India.

	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	+·018	+·013	−·004
Actual mean wind direction	S 72° E	S 7° E	S 28° E

	Mauritius.	Zanzibar.	Seychelles.
Normal mean wind direction	S 64° E	S 6° E	S 33° E
Actual mean wind velocity (miles per diem).	297	188	280
Normal mean wind velocity (miles per diem).	287	197	289
Rainfall departure from normal	+0·36	+1·53	+0·16

Depressions and cyclonic storms.

9. The month was remarkably free from depressions and cyclonic storms although a few ill-defined depressions drifted across the head of the Peninsula and a feeble one crossed the Kathiawar coast into north-west India.

The area of relatively low pressure which was in the northeast of the Arabian sea on the 30th June, developed into a depression of slight intensity and crossed the Kathiawar coast between Veraval and Dwarka on the evening of the 3rd; it then drifted northwards and established monsoon conditions in north-west India.

The shallow depression which appeared off the Orissa coast on the 30th June failed to develop and disappeared without exercising any influence on the monsoon currents.

The most important depression of the month appeared over Jessore on the 7th and by the following morning it had developed somewhat without moving appreciably. By its position it partially prevented the Bay winds from penetrating beyond deltaic Bengal and thus diminished rainfall in other parts of northeast India but concentrated it in deltaic Bengal where heavy rain fell until the morning of the 9th. At 8 hrs. on this date the depression was in the south of Chota Nagpur and rainfall had extended northward in northeast India and had increased in Chota Nagpur. On the 10th the depression was near Sambalpur and some heavy falls of rain occurred in Chota Nagpur, but it was now far enough west not to affect other parts of northeast India and there was thus a decided decrease in rainfall. By this time the depression was drawing the Arabian sea current into its circulation and as the depression moved northwesterly through the Central Provinces heavy rain fell to the south of its tract, but after reaching the east of Central India on the 12th it became diffused in character and cannot be traced.

Pressure.

10. Pressure was in slight excess in the extreme north and the extreme south of the country and Assam, but in other parts it was normal. As far as can be judged from the few hill stations available the pressure distribution was the same at their elevations as on the plains and the vertical pressure gradients were thus normal. The pressure conditions were practically normal over the country and strongly marked monsoon conditions prevailed over almost the whole of India.

The attached tables give pressure data for the 14 divisions and for 8 pairs of associated plains and hill stations.

Division.	Departure from normal of mean 8 hrs. pressure.
	"
Burma	+·020
Eastern Bengal and Assam	+·021
Bengal	+·012
United Provinces	+·010
Punjab	+·030
North-West Frontier Province	+·021
Sind	+·007
Rajputana	+·008
Bombay	—·003
Central India	+·003
Central Provinces	+·006
Hyderabad	+·010
Mysore	+·011
Madras	+·020

Hill Station.	Departure from normal pressure. A	Plain Station.	Departure from normal pressure. B	Departure of pressure difference. B—A.
	"		"	"
Quetta	+·005	Jacobabad	+·017	+·012
Leh	+·015	Lahore	+·023	+·008
Murree	+·018	Peshawar	+·013	—·005
Simla	+·023	Ludhiana	+·025	+·002
Chakrata	+·040	Roorkee	+·028	—·012
Darjeeling	+·010	Dhubri	+·010	0
Mount Abu	—·014	Deesa	—·037	+·007
Pachmarhi	—·009	Khandwa	+·002	+·011

Temperature.

11. The departures from normal of maximum temperature were determined chiefly by the character of the rainfall and on the plains of north-west India where the rainfall was in very large excess, the maximum was in defect, the greatest deficiency occurring in south-west Rajputana and north Gujarat where rainfall was heaviest. In Bihar and the east of the United Provinces where rainfall was scanty maximum temperature was in excess but in all other parts of the country it was approximately normal. Minimum temperature was normal over the whole of India.

Sub-division.	Actual temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	84·7	76·7	80·7	8·0	13·4	—1·3	—1·2	— 0·1
2. Lower Burma	84·7	75·5	80·1	9·2	16·6	+0·1	+0·4	— 0·3
3. Upper do.	89·7	76·0	82·8	13·7	20·9	+0·5	+0·6	— 0·1
4. Assam	88·4	77·3	82·9	11·1	19·5	—0·9	—0·3	— 0·6
5. Eastern Bengal	88·2	78·1	83·1	10·1	16·2	+0·5	—0·2	+ 0·7
6. Bengal	88·7	78·8	83·7	9·9	16·9	—0·5	—0·2	— 0·3
7. Orissa	87·5	77·9	82·8	9·6	16·2	—0·7	—0·5	— 0·2
8. Chota Nagpur	87·5	75·9	81·7	11·7	21·1	—0·6	+0·1	— 0·7

Sub-division.	Actual Temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
9. Bihar	93·1	79·7	86·5	13·4	26·7	+2·2	+0·3	+ 1·9
10. United Provinces, East	93·4	79·6	86·6	13·8	29·0	+1·8	+0·3	+ 1·5
11. Do. do., West	90·0	77·4	83·7	12·6	25·0	—1·1	—0·9	— 0·2
12. Punjab, East and North	95·1	79·6	87·3	15·5	37·5	—2·0	—0·1	— 1·9
13. Punjab, Southwest	101·4	82·8	92·1	18·7	44·2	—2·3	—0·5	— 1·8
14. Kashmir	83·0	58·6	70·8	24·4	41·9	+1·8	+1·2	+ 0·6
15. North-West Frontier Province	101·5	80·8	91·2	20·7	44·3	—1·4	+1·4	— 2·8
16. Baluchistan	101·2	75·7	88·5	25·5	38·5	+0·5	+3·4	— 2·9
17. Sind	96·8	81·7	89·3	15·1	30·3	—2·3	—0·2	— 2·1
18. Rajputana, West	93·7	79·3	86·5	14·4	31·6	—4·4	—1·3	— 3·1
19. Do., East	88·5	76·7	82·6	11·7	29·1	—4·2	—1·6	— 1·6
20. Gujarat	86·4	77·2	81·8	9·2	21·8	—3·1	—1·1	— 2·0
21. Central India, West	83·7	73·4	79·0	10·4	20·2	—2·3	0	— 2·3
22. Do., East	88·2	77·9	83·0	10·3	26·4	—0·5	+0·3	— 0·8
23. Berar	84·9	72·2	78·6	12·7	20·6	—2·0	—0·8	— 1·2
24. Central Provinces, West	84·9	73·9	79·4	11·0	22·3	—1·3	—0·5	— 0·8
25. Do., East	84·8	74·2	79·5	10·6	17·7	—1·5	—0·6	— 0·9
26. Konkan	82·3	75·7	79·0	6·5	12·1	—1·4	—0·6	— 0·8
27. Bombay Deccan	83·0	70·6	76·9	12·4	19·3	—1·4	0	— 1·4
28. Hyderabad, North	85·1	71·2	78·2	13·9	22·8	...	...	...
29. Hyderabad, South	87·8	72·2	80·1	15·6	32·8	—1·3	—1·0	— 0·3
30. Mysore	78·5	66·2	72·4	12·3	18·9	—2·4	—0·3	— 2·1
31. Malabar	81·2	73·1	77·2	8·1	14·4	—1·6	—1·2	— 0·4
32. Madras, Southeast	93·7	76·8	85·3	16·9	24·8	—0·1	+0·4	— 0·5
33. Do. Deccan	92·2	75·7	84·0	16·5	26·1	—0·3	—0·1	— 0·2
34 Do. Coast, North	91·7	78·6	85·1	13·1	22·5	—0·2	—0·4	+ 0·2

Division.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Burma	+0·3	+0·5	+0·4
Eastern Bengal and Assam	0	—0·2	—0·1
Bengal	+0·1	—0·1	0
United Provinces	+0·3	—0·3	0
Punjab	—2·1	—0·2	—1·2
North-West Frontier Province	—1·4	+1·4	0
Sind	—2·3	—0·2	—1·3

Division.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Rajputana	—4·2	—1·5	—2·9
Bombay	—2·1	—0·6	—1·3
Central India	—1·4	+0·2	—0·6
Central Provinces	—1·5	—0·6	—1·0
Hyderabad	—1·3	—1·0	—1·1
Mysore	—2·4	—0·3	—1·4
Madras	—0·4	—0·2	—0·3

Winds.

12. Winds were stronger than usual only in the North-West Frontier Province, and were weaker in the United Provinces, Sind, Rajputana and Central India. In Sind and Rajputana they were not as steady as usual, but in the United Provinces, the North-West Frontier Province and Hyderabad the steadiness was above the average.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	−0·2	+ 3
Eastern Bengal and Assam	−0·5	+ 6
Bengal	−0·3	0
United Provinces	−0·5	+ 7
Punjab	−0·4	+ 2
North-West Frontier Province	+0·9	+10
Sind	−4·0	−29
Rajputana	−1·9	−20
Bombay	−0·1	+ 5
Central India	−1·4	0
Central Provinces	+0·3	+ 5
Hyderabad	+0·1	+15
Mysore	+1·7	− 1
Madras	+0·7	+ 6

Humidity and cloud.

13. The absolute amount of moisture in the air was greater than usual over the greater part of north-west India, in keeping with the general excess in the rainfall, but in all other parts of the country both the relative and absolute humidities were normal.

There was more cloud than usual except in northeast India and the east of the United Provinces.

Division.	Hygrometry; 8 hrs.				Cloud.	
	Mean humidity.	Departure from normal.	Mean vapour-tension in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.
	%		"	"		
Burma	88	− 1	·868	−·007	8·0	−0·3
Eastern Bengal and Assam	89	− 1	·943	−·018	6·6	−2·0
Bengal	86	0	·938	−·008	7·3	−0·4
United Provinces	84	+ 1	·947	+·031	6·5	−0·5
Punjab	76	+ 5	·923	+·054	5·2	+0·7
North-west Frontier Province.	71	+ 5	·936	+·081	3·2	+0·4
Sind	79	+ 7	·956	+·064	6·6	+1·3
Rajputana	84	+ 9	·884	+·063	7·2	+0·3
Bombay	86	+ 2	·836	−·005	8·7	+0·7
Central India	90	+ 6	·860	+·029	9·2	+1·8
Central Provinces	86	+ 2	·788	−·014	8·8	+1·0
Hyderabad	80	+ 2	·705	−·016	8·0	+1·3
Mysore	88	+ 4	·639	+·006	9·4	+0·7
Madras	74	0	·767	−·012	7·6	+0·5

Rainfall.

14. The monsoon was established in the west of the United Provinces on the 1st, in north-west India between the 5th and 8th, in Central India on the 6th and in the east of the United Provinces on the 14th. The month was remarkably free from cyclonic storms and there was only one that had a marked influence on the rainfall; several other ill-defined depressions however drifted across northern India and rainfall associated with them was very general and extended over a very large area. The monsoon rainfall thus occurred to a very great extent independent of cyclonic storms and was on that account very well distributed. In fact the only areas that did not receive good

ain were Upper Burma, Bihar, the east of the United Provinces, the North-West Frontier Province, Kashmir and Madras excluding Malabar. It is noteworthy that both currents failed to give any appreciable rainfall in Bihar and the east of the United Provinces although abundant rain fell in all the areas adjacent to them. Another remarkable feature was the strongly marked monsoon conditions that prevailed over the greater part of north-west India and there was in consequence very heavy rain in Rajputana, the Punjab, lower Sind and Gujarat; at Hyderabad (Sind) over 10 inches of rain fell within 48 hours between the 8th and 10th.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
Bay Islands	18·0	21·0	15·25	14·73	+0·52	+ 4
Lower Burma	25·8	25·3	27·95	29·75	—1·80	— 6
Upper do.	7·7	9·7	5·29	6·73	—1·44	— 21
Assam	18·6	19·2	18·80	18·05	+0·75	+ 4
Eastern Bengal	15·3	17·8	16·64	17·71	—1·07	— 6
Bengal	16·9	15·9	14·27	12·33	+1·94	+ 16
Orissa	17·9	15·0	12·12	12·50	—0·38	— 3
Chota Nagpur	17·1	16·6	13·16	14·09	—0·93	— 7
Bihar	9·4	15·6	7·37	13·13	—5·76	— 44
United Provinces, East	12·4	12·7	10·22	11·96	—1·74	— 15
Do., West	14·5	11·9	14·14	12·28	+1·86	+ 15
Punjab, East and North	10·3	7·0	8·69	6·74	+1·95	+ 29
Do., South-west	4·8	3·0	4·21	2·47	+1·74	+ 70
Kashmir	5·0	5·4	3·28	4·25	—0·97	— 23
North-West Frontier Province	4·7	4·1	4·34	3·16	+1·18	+ 37
Baluchistan	3·8	1·5	1·77	0·86	+0·91	+106
Sind	5·8	2·7	8·34	2·40	+5·94	+248
Rajputana, West	9·5	4·7	9·40	3·88	+5·52	+142
Do., East	16·0	9·5	16·79	8·07	+8·72	+108
Gujarat	19·8	13·1	18·80	13·82	+4·98	+ 36
Central India, West	17·5	12·6	14·85	9·67	+5·18	+ 54
Do., East	20·4	14·2	20·68	13·58	+7·10	+ 52
Berar	14·7	12·2	9·90	9·35	+0·55	+ 6
Central Provinces, West	19·9	15·5	15·41	14·71	+0·70	+ 5
Do., East	21·5	16·7	18·12	16·64	+1·48	+ 9
Konkan	30·1	26·6	55·60	40·60	+15·00	+ 37
Bombay Deccan	14·2	11·6	9·38	7·99	+1·39	+ 17
Hyderabad, North	11·5	12·3	6·81	8·39	—1·58	— 19
Do., South	9·7	10·2	4·95	5·73	—0·78	— 14

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
			"	"	"	
30. Mysore	11·9	9·1	8·40	6·47	+1·93	+ 30
31. Malabar	29·7	27·5	59·25	39·25	+20·00	+ 51
32. Madras, South-east	3·2	3·7	1·30	2·07	—0·77	— 37
33. Madras Deccan	8·0	5·9	2·84	2·94	—0·10	— 3
34. Madras Coast, North	10·0	9·8	5·28	6·38	—1·10	— 17

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	15·66	17·26	—1·60	— 9
Eastern Bengal and Assam	17·71	17·88	—0·17	— 1
Bengal	11·54	12·86	—1·32	— 10
United Provinces	12·06	12·11	—0·05	0
Punjab	7·76	5·85	+1·91	+ 33
North-West Frontier Province	4·34	3·16	+1·18	+ 37
Sind	8·34	2·40	+5·94	+248
Rajputana	14·81	6·95	+7·86	+113

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Bombay	20·82	15·80	+5·02	+ 32
Central India	16·95	11·00	+5·95	+ 54
Central Provinces	13·75	12·94	+0·81	+ 6
Hyderabad	5·79	6·94	—1·15	—17
Mysore	8·40	6·47	+1·93	+ 30
Madras	7·93	6·83	+1·10	+ 16
Mean of India when the size of the above areas is taken into account.	12·90	11·15	+1·75	+ 16

Snowfall.

15. (*a*) No snow fell during the month in Afghanistan and the hill districts of the North-West Frontier Province; in the latter area the weather was hot till the 13th.

(*b*) There were occasional snowstorms in Kashmir, but the total fall there was below the average.

(*c*) In the Punjab Himalayas there was probably no snowfall and the accumulations at the end of the month were markedly in defect.

(*d*) Occasional falls occurred in Almora; the total fall was on the whole not above the average.

Crop report.

16. *Burma.*—In Upper Burma sowing of autumn crops was approaching completion but more rain was wanted in several districts. Ploughing for the winter rice crop was nearly finished in Lower Burma.

Eastern Bengal and Assam.—Prospects of standing crops and of tea were fair to good but more rain was wanted in most districts for the cultivation of transplanted winter rice.

Bengal.—More rain was urgently wanted in Bihar. The condition of jute was fair except in some districts in lower Bengal.

United Provinces.—Generally germination was good and standing crops were doing well, but more rain was needed in the Benares and Gorakhpur divisions and some of the eastern districts of Oudh. A break in the rains was required in Bundelkhand.

Punjab.—Sowings of autumn crops were in progress and standing crops were in good condition except in Rawalpindi and Multan.

North-West Frontier Province.—Rainfall had benefited standing crops and facilitated autumn sowings but more rain was required except in Hazara.

Jammu and Kashmir.—The condition of standing crops was good to average.

Rajputana.—Prospects on the whole were favourable, though some damage had been caused by excessive rain. The condition of cattle was good and fodder was sufficient.

Central India.—Damage to standing crops was reported from parts of Gwalior and Bhopawar owing to excessive rain. Agricultural stock was fair to good.

Central Provinces.—Autumn crops were being sown and germination was good everywhere. The condition of cattle was generally good.

Bombay.—More rain was wanted in the eastern portions of the Deccan and the Karnatak. Germinated seedlings were slightly damaged in parts by rats, caterpillars and floods or excessive rain. Agricultural stock was generally in good condition.

Hyderabad.—Early rice was being sown and lands prepared for spring sowings.

Mysore.—Sowings was in progress and standing crops were in good condition.

Coorg.—Rice was being transplanted, water and fodder for cattle were sufficient.

Madras.—Standing crops were generally fair but some damage had been caused by insects, floods and drought. The outturn of crops harvested was on the whole fair.

J. PATTERSON.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 37 stations in India, etc., in July, 1908.

Table

Abstract of observations taken at 10 hrs. and 16 hrs.

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure						Temperature of air.										Temperature, wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to sea-level and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	I.—Burma.																					
2	Rangoon	36	29·788	29·708	·080	29·751	+·019	29·724	85·0	76·0	9·0	88·7	73·6	15·1	81·5	80·7	78·7	−0·1	74·8	77·6	76·8	76·4
	III.—Bengal.																					
6	Calcutta	21	·588	·497	·091	·549	+·009	·515	88·1	78·9	9·2	91·9	76·0	15·9	83·5	84·8	83·2	+0·2	77·2	79·5	80·2	79·0
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad	309	·242	·138	·104	·194	−·011	·451	92·6	79·3	13·3	105·2	75·1	30·1	87·7	90·0	84·9	+0·4	77·4	80·0	80·0	79·2
11	Dehra Dun	2,233	27·397	27·321	·076	27·356	−·004	·513	85·9	73·5	12·4	92·7	69·8	22·9	80·5	81·6	78·7	0	71·7	75·3	76·3	74·4
	V.—Punjab.																					
12	Lahore	702	28·840	28·743	·097	28·787	+·019	·441	96·3	80·7	15·6	112·6	73·5	39·1	90·0	91·9	87·6	−1·5	77·4	81·8	82·1	80·4
	VIII.—Rajputana.																					
19	Jaipur	1,431	·164	·079	·085	·120	+·005	·488	89·4	76·7	12·7	102·2	72·3	29·9	83·2	85·5	81·9	−2·8	74·9	77·8	78·4	77·1
	Udaipur	1,925	27·704	27·626	·078	27·664		·518	84·3	74·4	9·9	93·7	72·3	21·4	79·7	81·0	78·2		72·7	75·0	75·7	74·5
	IX.—Bombay.																					
26	Bombay	37	29·705	29·642	·063	29·673	+·001	·650	83·7	77·6	6·1	86·1	75·4	10·7	81·5	81·5	79·2	−0·3	75·5	78·0	77·9	77·1
	XI.—Central Provinces.																					
24	Nagpur	1,017	28·637	28·532	·105	28·587	+·013	·556	86·2	74·6	11·6	92·6	72·1	20·5	80·2	83·4	79·3	−1·1	72·5	74·7	76·0	74·4
	XII.—Hyderabad.																					
29	Hyderabad	1,690	·060	27·957	·103	·014	+·018	·636	86·5	72·5	14·0	95·4	69·8	25·6	78·9	82·8	78·0	+0·1	68·9	71·9	73·4	71·4
	XIII.—Mysore.																					
30	Bangalore	3,021	26·865	26·793	·072	26·837	+·009	·750	79·9	65·4	14·5	85·9	63·7	22·2	73·7	76·0	70·8	−1·2	64·4	67·9	68·7	67·0
	Mysore	2,518	27·386	27·315	·071	27·359	+·025	·804	79·9	66·4	13·5	85·9	64·7	21·2	74·9	75·1	71·3	−1·6	65·0	68·7	69·0	67·6
	XIV—Madras.																					
32	Periyakulam	944	28·907	28·800	·107	28·854		·724	92·8	72·2	20·6	97·7	69·5	28·2	85·9	86·6	82·5		67·2	71·0	71·2	69·7
	Pudukkottai	318	29·531	29·404	·127	29·468		·712	96·1	77·5	18·6	99·3	70·1	29·2	88·2	93·2	86·8		71·3	73·6	74·9	73·3
	Madras	22	·785	·669	·116	·738	+·020	·692	96·6	79·7	16·9	101·1	73·3	27·8	88·3	91·3	86·6	+0·9	75·1	77·9	79·6	77·5
	Station in the Bay.																					
1	Port Blair	58	·802	·727	·075	·769	+·028	·757	84·1	76·3	7·8	86·6	73·4	13·2	82·1	82·3	78·7	−1·2	73·9	77·5	77·7	76·4
	Kashmir.																					
14	Srinagar	5,204	24·665	24·573	·092	24·615	−·015	24·586	89·6	67·6	22·0	96·7	56·1	40·6	79·7	86·9	76·9	+3·9	63·3	72·9	78·1	71·4
	Leh	11,503	19·652	19·545	·107	19·603	+·010	19·571	77·1	52·1	25·0	81·6	43·7	37·9	67·7	74·8	62·8	+0·2	45·2	54·3	57·7	52·4
	Baluchistan.																					
16	Quetta	5,502	24·434	24·346	·088	24·388	−·003	24·348	93·6	69·0	24·6	100·1	65·8	34·3	85·6	88·9	80·9	+2·6	63·1	67·3	67·0	65·8

NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

A.

at 37 stations in India, etc., in July, 1908.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of subdivision.
														Total number of 10 hrs. and 16 hrs. winds from																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															I.—Burma.	
·851	·895	·878	·889	—·013	94	83	84	90	− 3	9·1	9·3	9·2	+0·1	1			1	24	33	3			S 28° W	S 36° W	87	75	84*	122	18·61	1·64	Rangoon . .	2
																															III.—Bengal.	
·915	·957	·972	·948	—·023	93	83	81	87	0	8·6	8·4	8·5	−0·1	2			7	18	10	22	1	2	S 3° E	S 1° W	60	63	130	120	24·64	5·82	Calcutta . .	6
																															IV.—United Provinces of Agra and Oudh.	
·918	·924	·894	·925	—·020	92	71	65	78	− 2	8·3	7·9	8·1	0	8	2	6	19	3	2	7	12	3	S 84° E	N 75° E	10	6	113*	175	13·14	4·44	Allahabad. .	10
·755	·813	·848	·832	+·011	91	79	79	86	0	7·5	7·7	7·6	+0·1	14	12	12	8	6	3	5	1	1	N 56° E	S 12° W	31	14	23	26	27·92	9·43	Dehra Dun .	11
																															V.—Punjab.	
·902	·979	·966	·967	+·104	86	70	67	76	+11	4·7	5·4	5·1	+0·8	11	4	5	6	21	8		3	4	S 56° E	S 78° E	35	30	78*	82	6·86	1·80	Lahore . .	12
																															VIII.—Rajputana.	
·845	·890	·887	·893	+·049	92	78	74	83	+ 7	8·5	8·4	8·5	+1·1	1	9	5	9	7	5	8	10	8	N 60° W	N 78° W	8	30	95	130	13·90	3·10	Jaipur . .	19
·779	·820	·835	·815		92	81	79	84		9·0	8·8	8·9		6	1	2	2	3	8	20	19	1	S 53° W		56		128*		12·37	2·46	Udaipur.	
																															IX.—Bombay.	
·853	·916	·912	·909	—·012	90	85	84	87	0	9·7	9·6	9·7	+1·0				1		1	29	30	1	S 68° W	S 75° W	87	83	402	466	23·65	5·09	Bombay . .	26
																															XI.—Central Provinces.	
·775	·798	·812	·810	—·017	90	77	72	82	0	8·5	8·2	8·4	−0·5		2	1			17	23	18	1	S 49° W	S 89° W	72	69	164*	209	13·81	2·75	Nagpur . .	24
																															XII.—Hyderabad.	
·665	·691	·706	·698	—·027	83	71	65	75	+ 1	9·1	8·9	9·0	+1·0								62		W	N.85° W	100	86	194*	238	4·27	0·64	Hyderabad .	29
																															XIII.—Mysore.	
·566	·617	·620	·611	+·004	94	74	70	80	+ 3	9·6	9·3	9·5							2	25	32	2	S 71° W	S 72° W	89	88	274*	230	4·12	0·77	Bangalore . .	30
·589	·625	·637	·620	+·003	92	72	73	80	+ 4	9·8	9·7	9·8	+0·6							22	36	4	S 77° W	S 78° W	90	91	319*	346	2·01	0·31	Mysore.	
																															XIV.—Madras.	
·600	·562	·557	·573		76	46	44	55		5·1	8·0	6·6		17	4	2	3	1	26	5	3	1	S 5° W		39		90*		0·47	0·31	Periyakulam .	32
·712	·628	·616	·652		73	47	40	53		7·7	9·4	8·6		5	1			2	3	21	16	14	S 78° W		64		273*		4·29	1·95	Pudukkottai.	
·809	·817	·857	·843	+·031	80	62	59	68	0	7·2	7·5	7·4	+0·1	1				2	8	10	38	3	S 73° W	S 51° W	79	66	138	190	1·73	0·26	Madras.	
																															Station in the Bay.	
·805	·883	·890	·874	—·043	89	81	81	85	− 1	8·7	9·0	8·9	+0·8	1					7	27	26	1	S 61° W	S 48° W	84	86	296*	278	18·94	2·16	Port Blair .	1
																															Kashmir.	
·538	·741	·870	·662	+·023	79	72	68	75†	− 9	3·6	4·7	4·2	+0·2	16	9	1	3	5	8	1	4	15	N 45° W	N 48° W	18	15	90*	94	1·52	0·57	Srinagar . .	14
·216	·312	·335	·290	+·040	62	46	38	49	+ 3	3·5	4·9	4·2	−1·1			6	4		6	16	30		S 68° W	S 75° W	58	39	61	50	0·17	0·07	Leh.	
																															Baluchistan.	
·525	·479	·433	·432	+·055	73	40	33	49	+ 4	2·7	4·6	3·7	+2·0	25	4		4	7	12	3	4	3	S 3° E	S 84° W	21	29	89*	79	0·99	0·34	Quetta . .	18

* Corrected. † Mean of three previous columns. ‡ Mean of 30 days.

Table

Abstract of observations taken at 10 hrs. and 16 hrs., at 37 stations

Number of subdivision.	Station.	Elevation of bar-eistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to sea-level and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Hill Stations excluding Kashmir and Baluchistan.																					
	Simla	7,224	23·007	22·958	·049	22·981	+·016	22·942	68·5	60·3	8·2	76·7	55·4	21·3	65·1	66·0	64·0	−0·3	58·8‡	62·4	63·6	61·6
	Sarain		·051	·994	·057	23·019			72·3	59·4	12·9	79·4	56·3	23·1	67·4	69·2	65·5			62·4	63·6	
	Kalabagh		20·101	20·068	·033	20·081			59·1	43·4	10·7	65·2	43·0	22·2	55·2	56·2	53·4			52·9	53·8	
	Chakrata	7,022	23·189	23·143	·046	23·160	+·036	23·120	70·3	60·2	10·1	75·3	57·2	18·1	65·8	65·5	64·8	+0·1	59·7	63·7	63·9	62·4
	Muktesar	7,556	22·746	22·686	·060	22·714		22·672	69·9	57·4	12·5	76·9	53·8	22·1	63·6	65·7	63·3		56·7	61·3	62·9	60·3
	Katmandu	4,388	25·464	25·376	·088	25·418	†+·028	25·372	84·2	68·6	15·6	87·4	66·1	21·3	78·3	79·7	76·1	†+1·0	66·8	71·4	72·7	70·3
	Darjeeling	7,376	22·932	22·882	·050	22·905	+·009	22·860	68·0	57·9	10·1	72·4	55·2	17·2	64·4	65·4	62·6	+1·1	57·4	62·8	63·6	61·3
	Pachmarhi	3,523	26·222	26·153	·069	26·188	−·012	26·135	75·2	67·3	7·9	82·7	65·6	17·1	69·4	73·0	70·9	−0·6	65·9	67·9	70·2	68·0
	Mount Abu	3,945	25·816	25·751	·065	25·783	−·021	25·734	71·3	66·1	5·2	82·2	63·8	18·4	68·8	69·8	68·3	−1·5	65·7	67·9	68·5	67·4
	Chikalda	3,842	26·139	26·047	·092	26·093	−·013	26·033	73·4	65·6	7·8	79·7	63·9	15·8	68·7	72·0	69·1	−0·6	65·1	67·3	69·6	67·3
	Ootacamund	7,299	23·017	22·950	·067	22·983		22·919	61·2	52·3	8·9	66·6	49·5	17·1	58·1	57·3	56·4		50·8	55·1	54·8	53·6
	Kodaikanal	7,388	22·804	·715	·089	·774		·710	61·8	52·2	9·6	65·7	49·9	15·8	59·2	58·8	57·0		49·2	55·3	55·0	53·2
	Dodabetta	8,539?	·001	21·962	·039	21·981		21·918	54·3	47·3	7·0	61·3	44·0	17·3	51·5	51·7	50·4		46·8	50·4	51·0	49·4
	Extra India.																					
	Minicoy	7	29·950	29·880	·070	29·922																
	Zanzibar	72	30·121	30·025	·096	30·080	+·013	30·079	81·0	73·2	7·8	82·9	69·8	13·1	76·9	80·0	77·0	+0·6	69·0	72·6	72·2	71·3
	Diego Garcia¶§		29·971	29·907‡	·064	29·939			81·5	75·9	5·6	89·1	73·2	9·9	78·3	79·3‡	78·7			74·0	74·3‡	
	Seychelles	15	30·024	·951	·073	·989	†−·004	29·928	81·0	75·9	5·1	88·3	73·2	9·1	78·9	79·9	77·2	†+0·8	69·9	73·4	73·7	72·3
	Mauritius	181	..			30·033	+·018	29·983				76·6	53·8	22·8			67·6	+0·1				69·9

N.B.—Elevations in italics indicate barometrical determinations. ‡ Mean of 30 days. ¶ Observations of 9 hrs. and 15 hrs.

Note.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet. § Readings uncorrected.

A—*concluded.*

***in India, etc., in July, 1908*—concluded.**

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of subdivision.
														Total number of 10 hrs. and 16 hrs. winds from																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles, per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
25	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															Hill Stations excluding Kashmir and Baluchistan.	
·491‡	·538	·565	·533	+·003	92‡	87	89	89	+ 1	9·4	9·1	9·3	+0·5	16	16			1	19	2	1	7	S 88° W	N 15° E	11	24	74*	86	17·52	2·85	Simla.	
	·516	·536				77	75			8·7	8·4	8·6		29	2	4	1		7	14	2	3	S 46° W		23		46*		10·39	1·46	Sarain.	
	·383	·397				88	87			9·0	8·9	9·0		23	9	2	1	1	13	4		9	N 88° W		10		110*		13·02	1·86	Kalabagh.	
·507	·569	·580	·556	+·030	97	90	92	93	+ 4	8·2	8·8	8·5	+0·2	17	1			3	40	1			S 2° E	S 66° W	68	42	93*	149	23·23	3·86	Chakrata.	
·457	·523	·548	·513		96	88	87	90		9·2	8·3	8·8		17		2	7	5	8	7	15	1	S 30° W		27		137*		8·87	1·29	Muktesar.	
·636	·694	·725	·689	—·004	92	72	72	79	— 2	5·5	6·7	6·1	—0·7	1		9	15	3		4	28	2	N 72° W	S 63° W	14	11	28	21	17·34	3·33	Katmandu.	
·472	·558	·573	·538	+ 014	98	92	91	94	— 1	7·5	8·2	7·9	—1·1	12	3	14	3	5		5	7	13	N 12° W	S 75° E	24	32	65*	86	21·75	2·62	Darjeeling.	
·620	·668	·711	·676	—·010	93	93	88	91	+ 3	9·3	8·5	8·9	—0·2							25	30	7	S 76° W	N 87° W	87	75	312*	259	30·50	4·31	Pachmarhi.	
·628	·675	·685*	·673	+·020	98	96	94	96	+ 8	9·8	9·7	9·8	+1·3		4	1	1	5	8	33	8	2	S 37° W	S 51° W	64	68	268*	276	69·44	10·72	Mount Abu.	
·620	·655	·638	·668	+·002	97	94	89	93	+ 2	9·1	8·3	8·7	—0·2							1		61	N 40° W	N 54° W	98	67	163	240	20·91	3·11	Chikalda.	
·357	·406	·406	·387		91	83	86	87		9·6	9·8	9·7					1		2	9	45	5	S 85° W		87		214*		5·58	0·49	Ootacamund.	
·321	·401	·417	·380		85	80	90	94		8·4	9·3	8·9			3	1	4		3	2	24	25	N 66° W		68		407		4·89	1·10	Kodaikanal.	
·217	·259	·309	·348		96	94	96	95		9·7	10·0	9·9		2	1					2	51	6	N 86° W		95		* 1053		6·21	1·81	Dodabetta.	
																															Extra India.	
										6·8	7·1	7·0								5	46	11	N 88° W		92		337*		7·29	1·80	Minicoy.	
·659	·744	·684	·718	+·001	80	81	67	75	— 2	6·8	5·5	6·2	+1·0	2			1	19	28	11	1		S 7° E	S 6° E	81	83	188*	197	4·02	1·30	Zanzibar.	
	·788	·784‡				81	78‡			5·5	5·5	5·5				1	3	44	14				S 38° E		90		192		5·09	2·14	Diego Garcia.¶	
·658	·757	·756	·739	—·012	73	76	74	75	— 3	6·5	6·7	6·6	+1·0†					40	20	2			S 28° E	S 33° E	90	86	280	289	2·59	0·59	Seychelles.	
			·505	—·002				75	— 1			5·2	+0·1										S 72° E	S 69° E			297	287	2·65	0·58	Mauritius.	

† Departures from old normals.

* Corrected.

Table B.—Abstract of observations taken at 8 hrs., at 240 stations in India, etc., in July, 1908.

(1) Provincial means.

(2) Data of stations.

(1) Provincial means based on the material in Table B, (2) except that the statement of rainfall depends on the complete data of about 2,700 stations.

	Pressure departure from normal.	Temperature of air.								Wind.		Hygrometry.				Cloud.		Rainfall.		
		Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Absolute range during month.	Departure of velocity from normal.	Departure of steadiness from normal.	Mean humidity.	Departure from normal.	Mean vapour tension.	Departure from normal.	Mean cloud amount.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.
Burma	+·020	87·0	+0·3	75·7	+0·5	81·4	+0·4	11·3	18·6	—0·2	+ 3	88	— 1	·868	—·007	8·0	—0·3	15·66	17·26	—1·60
Eastern Bengal and Assam	+·021	88·3	0	77·8	—0·2	83·1	—0·1	10·4	17·1	—0·5	+ 6	89	— 1	·943	—·018	6·6	—2·0	17·71	17·88	—0·17
Bengal	+·012	90·0	+0·1	78·5	—0·1	84·3	0	11·5	21·1	—0·3	0	86	0	·938	—·008	7·3	—0·4	11·54	12·86	—1·32
United Provinces of Agra and Oudh	+·010	91·7	+0·3	78·5	—0·3	85·1	0	13·2	27·0	—0·5	+ 7	84	+ 1	·947	+·031	6·5	—0·5	12·06	12·11	—0·05
Punjab	+·030	96·8	—2·1	80·4	—0·2	88·6	—1·2	16·4	39·3	—0·4	+ 2	76	+ 5	·923	+·054	5·2	+0·7	7·76	5·85	+1·91
North-West Frontier Province	+·021	101·5	—1·4	80·8	+1·4	91·2	0	20·7	44·3	+0·9	+ 10	71	+ 5	·936	+·081	3·2	+0·4	4·34	3·16	+1·18
Sind	+·007	96·8	—2·3	81·7	—0·2	89·3	—1·3	15·1	30·3	—4·0	—29	79	+ 7	·956	+·064	6·6	+1·3	8·34	2·40	+5·94
Rajputana	+·008	90·4	—4·2	77·7	—1·5	84·1	—2·9	12·7	30·0	—1·9	—20	84	+ 9	·884	+·063	7·2	+0·3	14·81	6·95	+7·86
Bombay	—·003	84·4	—2·1	74·8	—0·6	79·6	—1·3	9·6	18·9	—0·1	+ 5	86	+ 2	·836	—·005	8·7	+0·7	20·82	15·80	+5·02
Central India	+·003	85·9	—1·4	75·6	+0·2	81·0	—0·6	10·3	23·3	—1·4	0	90	+ 6	·860	+·029	9·2	+1·8	16·95	11·00	+5·95
Central Provinces	+·006	84·9	—1·5	73·6	—0·6	79·2	—1·0	11·3	20·7	+0·3	+ 5	86	+ 2	·788	—·014	8·8	+1·0	13·75	12·94	+0·81
Hyderabad	·010	86·7	—1·3	71·8	—1·0	79·3	—1·1	14·9	28·5	+0·1	+ 15	80	+ 2	·705	—·016	8·0	+1·3	5·79	6·94	—1·15
Mysore	+·011	78·5	—2·4	66·2	—0·3	72·4	—1·4	12·3	18·9	+1·7	— 1	88	+ 4	·639	+·006	9·4	+0·7	8·40	6·47	+1·93
Madras	+·020	90·9	—0·4	76·4	—0·2	83·7	—0·3	14·5	22·8	+0·7	+ 6	74	0	·767	—·012	7·6	+0·5	7·93	6·83	+1·10

Table

(2) *Abstract of observations taken at 8 hrs., at 240 stations*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma.																						
2	Mergui	56	29·839	+·032	29·826	29·937	4th	29·744	31st	·193	76·8	85·4	+0·9	73·5	+1·0	79·5	+1·0	11·9	89·8	7th	71·9	12th	18·0
	Tavoy	19	29·877	+·031	29·828	30·010	4th	29·760	23rd	·250	76·5	82·6	−0·7	73·7	+0·6	78·7	−0·1	7·9	88·0	7th	72·8	17th	15·2
	Moulmein	94	29·750	+·032	29·783	29·904	4th	29·658	23rd	·246	77·0	83·0	0	74·0	−0·2	78·5	−0·1	9·0	86·5	3rd	72·3	11th	14·2
	Rangoon	36	29·780	+·019	29·753	29·889	4th	29·688	23rd	·201	79·1	85·1	−0·2	76·0	+0·2	80·6	0	9·1	88·6	7th	73·4	18th	15·2
	Bassein	27?	29·771	+·024	29·735	29·867	4th	29·682	23rd	·185	78·6	85·3	+0·6	76·1	+0·3	80·7	+0·5	9·2	89·7	1st	73·9	18th	15·8
	Diamond Island	41	29·758	+·012	29·734	~~29·864~~	~~4th~~	~~29·666~~	~~23rd~~	~~·198~~	80·7	84·3	0	76·5	+0·9	80·4	+0·5	7·8	86·9	8th & 9th.	72·7	18th	14·2
	Tonegoo	164	~~29·639‡~~	+·028‡	29·742‡	29·736	4th	29·563	17th	·173	78·8	87·6	+0·9	75·5	+0·4	81·6	+0·7	12·1	99·4	3rd	73·2	8th	26·2
	Kyaukpyu	18	29·729†		29·688†	29·816	9th	29·626	31st	·190													
	Akyab	20	29·697	+·008	29·660	29·791	9th	29·610	31st	·181	80·0	84·1	−0·6	77·6	+0·1	80·9	−0·3	6·5	88·9	1st & 24th.	75·3	9th, 15th & 28th.	13·6
3	Thayetmyo	121	29·635§	+·016	29·698§	29·715	4th	29·565	17th	·150	80·5	89·6	+0·7	76·9	+0·6	83·2	+0·7	12·7	93·5	1st	73·9	17th	19·6
	Minbu	*165*	29·591	+·037	29·698	29·684	4th	29·496	18th	·188	81·9	92·9	+1·6	78·1	+0·9	85·5	+1·3	14·8	98·2	15th	75·3	31st	22·9
	Yamethin	657	29·085	−·001	29·695	29·172	9th	28·992	18th	·180	78·7	91·0	+1·0	75·4	+0·8	83·2	+0·9	15·6	94·8	2nd	73·0	8th	21·8
	Mandalay	250	29·474	+·015	29·672	29·557	9th	29·387	17th	·170	83·5	97·2	+3·0						102·0	1st & 2nd.			
	Monywa	*280*	29·453		29·672	29·549	9th	29·367	18th	·182	83·0	97·2		80·3		88·8		16·9	100·8	2nd	78·1	31st	22·7
	Lashio	*2,751*	26·974	−·005	26·981	27·056	9th	26·890	18th	·166	72·8	82·6	−1·0	69·7	+0·4	76·2	−0·3	12·9	86·2	9th	68·0	11th & 14th.	18·3
	Bhamo	*381*	29·334	+·026	29·671	29·440	9th	29·256	17th & 18th.	·184	78·1	88·0	+0·2	75·5	+0·4	81·8	+0·3	12·5	92·9	9th	73·1	4 days.	19·8
	Myitkyina	458	29·222		29·639	29·312	8th	29·142	18th	·170	78·3	86·6		75·8		81·2		10·8	92·7	19th	71·6	6th	21·1
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	353	29·308 **		29·620 **	29·417	9th	29·219	18th	·198	78·4	86·1		75·5		80·8		10·6	91·9	8th	67·6	5th	24·3
	Sibsagar	333	29·370	+·038	29·660	29·477	9th	29·301	18th	·176	80·3	87·7	−2·3	77·2	−0·7	82·4	−1·5	10·5	92·6	8th	73·2	5th & 6th.	19·4
	Tezpur	252	29·411		29·621	29·550	9th	29·328	16th	·222	79·7	89·5		77·5		83·5		12·0	94·1	4 days	74·4	6th & 21st.	19·7
	Gauhati	195	29·466		29·615	29·578	9th	29·378	18th	·200	81·6	91·6		78·1		84·9		13·5	96·0	4th	76·1	6th	19·9
	Dhubri	115	29·519	+·010	29·590	29·598	25th & 29th.	29·420	15th	·178	80·5	86·9	+1·0	78·3	0	82·7	+0·5	8·6	91·7	4th	75·3	9th	16·4
	Silchar	104	29·591	+·023	29·648	29·691	9th	29·500	17th	·191	80·2	88·7	−1·5	77·1	−0·1	83·0	−0·8	11·6	91·8	19th	74·8	1st	17·0
5	Cox's Bazar	36	29·655§			29·736	9th	29·568	31st	·168													
	Chittagong	87	29·591	+·013	29·626	29·685	9th	29·513	18th	·172	79·6	85·6	−0·1	75·8	−0·8	80·7	−0·5	9·8	89·6	2nd	73·4	8th	16·2
	Noakhali	43	29·621		29·611	29·703	9th	29·539	18th	·164	80·4	84·3		77·7		81·1		6·6	87·3	2nd	75·4	8th	11·9
	Barisal	12	29·622	+·017	29·580	29·695	29th	29·549	7th	·146	81·3	86·9	−0·4	78·0	−0·6	82·5	−0·5	8·9	89·8	1st, 2nd & 24th.	75·6	17th	14·2
	Comilla	36	29·622		29·607	29·710	9th	29·532	18th	·178	80·7	87·5		76·7		82·1		10·8	92·3	2nd	74·3	16th	18·0
	Narayanganj	26	29·616	+·018	29·590	29·692	9th	29·525	7th	·167	81·5	87·7	−0·6	78·9‡	−0·3	83·3‡	−0·5	8·8	91·5	2nd & 5th.	74·8	9th	16·7
	Faridpur	46	29·583		29·579	29·674	29th	29·493	7th	·181	81·2	87·4		77·9		82·7		9·5	90·3	5th & 14th, 1st & 4th.	74·4	7th	15·9
	Sirajganj	49	29·574§		29·573§	29·660	29th	29·475	18th	·185	80·8	87·6		78·1		82·9		9·5	90·3		75·8	4 days	14·5
	Mymensingh	62	29·594§	+·029	29·608§	29·683	9th	29·506	18th	·177	81·4§	87·8	+0·7	77·6	−0·5	82·8	+0·1	10·0	90·6	21st	75·1	14th	15·5
	Bogra	75	29·555	+·021	29·582	29·645	29th	29·479	15th	·166	81·5	89·0	−0·1	78·3	−0·2	83·7	−0·2	10·7	93·2	24th	75·2	14th	18·0
	Rampur Boalia	70	29·543		29·562	29·627	29th	29·455	15th	·172	82·5	89·0		79·3		84·1		9·7	91·1	6 days	77·1	5 days	14·0
	Malda	72	29·527		29·550	29·604	29th	29·446	15th	·158	84·9	89·5		78·8§		84·1§		10·7	93·8	4th	76·5	15th	17·3
	Dinajpur	123	29·489	+·017	29·566	29·573	9th	29·408	15th	·165	81·1	90·3	+1·2	78·5	−0·4	84·4	+0·4	11·8	92·8	3rd & 4th.	75·5	5th	17·3
	Rangpur	123	29·522		29·600	29·618	9th	29·429	15th	·189	82·8	89·8		78·4		84·1		11·4	92·1	24th	76·0	5th	16·1

N.B.—Elevations in italics indicate barometrical determinations.

** Mean of 28 days.

‡ „ „ 27

Note.—The barometrical readings are not reduced to sea-level in the cases of hill or plateau

B.

in India, etc., in July, 1908.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs, in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st July 1908.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st Jul. 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																I.—Burma.
10					1	18		2	S 49° W	S 70° W		1·8		59	+ 4	95	+ 3	·863	−·012	5·3	−2·2	28	25·60	+2·40	34·63	31·50	+ 3·13	87·93	81·05	+ 6·88	4·22	Mergui.
31									(a)	S 61° W	1·0*	1·6	−0·6			93	+ 1	·856	−·013	8·3	+0·1	29	28·00	+1·00	42·53	46·83	− 4·30	111·87	112·76	− 0·89	3·20	Tavoy.
4		1	6	9	10	1			S 8° W	S 2° E	5·1	3·8	+1·3	66	+23	95	+ 2	·877	+·005	8·8	+0·3	30	28·20	+1·80	48·38	45·93	+ 2·42	108·04	101·74	+ 6·30	4·02	Moulmein.
1				4	19	7			S 4° W	S 45° W	5·6	5·1	+0·5	89	+15	90	− 4	·902	−·011	9·5	+0·5	27	25·70	+1·30	18·61	20·98	− 2·37	53·97	49·72	+ 4·25	1·64	Rangoon.
5				5	12	7	2		S 9° W	S 18° W	4·5†	4·5	0	66	+ 1	94	0	·923	+·004	7·4	−1·4	28	26·80	+1·20	25·19	25·46	− 0·27	57·25	59·18	− 1·93	5·05	Bassein.
1			2	2	23	3			S 42° W	S 43° W	12·3	10·5	+2·3	89	+ 8	86	0	·907	+·010	8·3	−0·5	24	24·00	0	23·86	25·80	− 1·94	72·48	59·40	+13·08	3·23	Diamond Island.
			12	16	3				S 13° E	S 31° E	5·7	5·2	+0·5	92	+ 6	92	0	·901	−·003	9·7	+0·4	26	25·00	+1·00	17·27	17·89	− 0·62	46·74	38·32	+ 8·42	2·08	Toungoo.
		5	9	8	3	6			S 10° E		4·8			55						8·8		28			49·83			98·72			7·07	Kyaukpyu.
4		6	8	6	5	2			S 22° E	S 38° E	4·6	3·9	+0·7	53	− 2	95	+ 1	·970	+·010	8·5	+0·2	28	27·80	+0·20	45·72	52·62	− 6·90	87·99	109·29	−21·30	4·70	Akyab.
			12	16	3				S 13° E	S 7° E	5·9§	6·8	−0·9	92	+ 2	83	− 2	·860	−·013	9·1	+1·0	13	15·20	−2·20	6·78	6·87	− 0·14	19·31	17·34	+ 1·97	2·08	Thayetmyo.
			30	1					S 44° E	S 39° E	8·3	12·3	−4·0	99	+ 7	78	− 5	·855	−·018	7·9	+0·6	4	8·80	−4·80	1·76	4·34	− 2·58	10·87	14·89	− 4·02	0·76	Minbu.
			12	18	1				S 16° E	S 28° E	7·7	10·4	−2·7	96	+ 4	82	− 2	·806	−·0·8	8·4	+3·4	4	9·60	−5·60	1·15	4·12	− 2·97	11·11	15·14	− 4·03	0·32	Yamethin.
9			11	7	4				S 15° E	S 5° E	9·4	9·1	+0·3	62	−19	71	− 4	·810	−·033	2·2	−6·0	3	6·20	−3·20	3·31	3·05	+ 0·26	11·98	14·39	− 2·41	2·85	Mandalay.
		2	23	6					S 39° E		7·2			92		75		·819		8·8		1	3·60	−2·60	0·66	2·61	− 1·95	9·03	11·41	− 2·38	0·57	Monywa.
2				5	1				S 9° W‖					78‖		87	− 3	705	−·019	8·7	−0·2	18			7·65	14·71	− 7·06	22·07	31·51	− 9·47	1·40	Lashio.
23	1	2	1			4			S 45° W	N 70° W	1·7	1·9	−0·2	1	−18	95	+ 3	·915	+ 019	8·5	−0·2	19	21·50	−2·50	19·31	19·01	+ 0·30	42·00	39·19	+ 2·81	2·46	Bhamo.
14		2	5	5	3	1		1	S 59° E		2·7*			33		92		·891		9·0		21			13·57			32·95			2·52	Myitkyina.
																																II.—Eastern Bengal and Assam.
28			1	1		1			S 38° E		0·3¶			3		92		·885		9·0		24	20·10	+3·60	30·69	21·00	+ 9·69	69·80	54·63	+15·17	5·35	Dibrugarh.
16		4		2	1	5	1		S 6° W	S 11° E	1·9	2·9	−1·0	10	− 6	90	− 3	·933	−·042	7·6	−1·3	21	19·20	+1·80	23·92	17·12	+ 6·80	44·59	43·33	+ 1·26	7·87	Sibsagar.
9		3	4	4	1	13			S 13° E		3·4			30		93		·941		6·9		17	17·20	−0·20	12·35	13·33	− 0·98	32·27	35·32	− 3·05	3·62	Tezpur.
21	1	2	1		1	3	1	1	W		1·7			5		87		·941		7·9		10	14·80	−4·80	7·16	10·83	− 3·67	31·79	31·81	− 0·02	2·06	Gauhati.
6		1	13	4	1	5	1		S 61° E	S 83° E	5·4	4·6	+0·8	43	+14	93	+ 2	·956	+·022	3·7	−4·7	13	15·80	−2·80	22·33	15·19	+ 6·84	52·46	51·09	+ 1·63	11·25	Dhubri.
24		1	3	2			1		S 79° E	N 84° E	4·0	2·7	+1·3	13	+ 6	90	0	·933	−·014	5·6	−3·6	27	22·50	+4·50	17·89	18·43	− 0·54	51·44	57·66	− 6·22	4·18	Silchar.
	1		4	16	5	2	1	1	S 37° E		9·4*§			56						6·9		23			41·73			75·72			12·38	Cox's Bazar.
			1	24	3	2	1		S 36° E	S 36° E	6·0	7·3	−1·3	82	+ 8	89	0	·896	−·024	7·0	−1·3	18	19·15	−1·45	32·17	19·94	+12·23	56·13	52·01	+ 4·12	9·64	Chittagong.
			2	18	6	5			S 27° E		7·7			81		89		·916		6·1		24	22·81	+1·19	22·38	22·10	+ 0·28	47·25	55·45	− 8·20	4·60	Noakhali.
5			4	7	12	3			S 20° E	S 14° E	3·0	4·3	−1·3	69	+26	90	+ 2	·958	−·021	4·7	−4·2	22	20·58	+1·42	17·95	15·02	+ 2·93	36·21	39·23	− 3·02	3·23	Barisal.
			1	23	7				S 36° E		6·4			90		89		·932		5·7		20	19·07	+0·93	21·39	17·05	+ 4·34	57·85	45·97	+11·88	3·47	Comilla.
1			3	22	2	2	1		S 40° E	S 27° E	6·5	7·8	−1·3	79	+ 8	90	0	·969	−·012	6·0	−2·7	20	17·78	+2·22	17·88	12·31	+ 5·57	42·78	34·39	+ 8·39	3·90	Narayanganj
3			3	15	9		1		S 33° E		4·1			78		90		·960		7·1		13	17·13	−4·13	17·84	12·47	+ 5·37	42·38	33·52	+ 8·86	10·11	Faridpur.
8		3	4	10	6				S 50° E		4·5			55		91		·960		8·0		18	14·26	+3·74	12·50	11·30	+ 1·20	29·47	30·82	− 1·35	3·60	Sirajganj.
4			7	14	4	1			S 43° E‖	S 49° E	3·3†	4·1	−0·8	72	+ 4	89§	− 2	·947§	−·013	8·7	+0·8	17	19·65	−2·65	14·95	15·33	− 0·38	39·21	45·63	− 6·42	6·19	Mymensingh.
16			15						E	S 48° E	1·9	4·2	−2·3	48	−17	86	− 3	·932	−·047	7·9	−0·3	10	15·94	−5·94	10·58	12·64	− 2·06	30·01	33·58	− 3·57	6·35	Bogra.
28		2		1	1	1			S 45° E		5·1			3		86		·968		6·6		12	15·15	−3·15	5·56	11·46	− 5·90	20·70	27·70	− 7·00	1·42	Kampur Boalia.
1		8	10	9	1		1	1	S 87° E		6·6			65		90		·978		4·8		9	15·45	−6·45	6·86	11·07	− 4·21	19·83	24·81	− 4·93	1·65	Maida.
4		2	15	8	2				S 74° E	S 86° E	5·1	4·0	+1·1	76	+19	90	0	·957	−·013	6·9	−1·5	9	16·36	−7·36	11·43	14·38	− 2·95	23·89	36·00	−12·11	6·40	Dinajpur.
1		2	6	15	4	3			S 47° E		2·4			71		84		·965		3·6		7	15·42	−8·42	10·37	16·01	− 5·64	28·94	46·33	−17·39	4·10	Rangpur.

* Uncorrected.
¶ Mean of 21 days.
§ Mean of 30 days.
‖ ,, ,, 8 days.
† Mean of 29 days.
(a) Indeterminate.

...tation, the elevations of which exceed 3,200 feet.

Table

(2) *Abstract of observations taken at 8 hrs., at 240 stations*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	II.—Eastern Bengal and Assam—*contd.*																						
5	Jalpaiguri	283	29·357§	+·027	29·597§	29·467	5th	29·278	18th	·189	81·5	90·7	+2·5	73·4	+1·6	84·6	+2·1	12·3	94·4	8th	75·6	5 days	18·8
	Cooch Behár	156	29·498		29·608	29·616	9th	29·407	18th	·209	82·0	89·7		73·3		84·0		11·4	93·3	8th	74·6	4th	18·7
	III.—Bengal.																						
6	Saugor Island	25	29·566	+·006	29·538	29·634	4th	29·471	31st	·163	82·9	88·6	+0·8	80·3	−0·3	84·5	+0·3	8·3	92·0	3rd & 25th	76·0	18th	16·0
	Midnapore	149	29·445		29·540	29·501	29th	29·360	31st	·141	81·6	88·5		73·2		83·4		10·3	92·3	5 days	74·7	18th	17·6
	Calcutta	21	29·580	+·011	29·547	29·647	28th	29·496	31st	·151	81·2	88·1	+0·1	73·9	+0·4	83·5	+0·3	9·2	92·1	5th	76·2	18th & 21st	15·9
	Jessore	33	29·581	+·009	29·561	29·672	29th	29·505	15th	·167	82·2	87·5	−1·7	73·5	−0·5	83·0	−1·1	9·0	90·5	3rd & 4th	76·7	8th, 9th & 21st.	13·8
	Krishnagar	47	29·552		29·547	29·632	29th	29·452	8th	·180	81·4	89·3		73·5		84·4		9·8	93·1	4th	77·5	8th	15·6
	Burdwan	99	29·497	+·008	29·543	29·574	29th	29·418	18th	·156	81·6	89·1	−1·1	73·9	−0·5	84·0	−0·8	10·2	92·4	5th	76·8	9th, 15th & 17th.	15·6
	Bankura	313	29·260		29·528	29·337	29th	29·183	31st	·154	80·9	88·7		73·2		83·4		10·5	94·1	5th	74·7	17th	19·4
	Raniganj	334	29·259		29·545	29·328	29th	29·185	18th & 31st.	·143	80·5	89·1		73·4		83·8		10·7	94·0	5th	70·0	9th, 10th & 17th.	18·0
	Berhampore	67	29·535	+·006	29·551	29·625	29th	29·452	18th	·173	81·2	88·7	−0·7	73·9	+0·1	83·8	−0·3	9·8	93·3	1st	75·7	12th	17·6
	Naya Dumka	489	29·102§		29·547§	29·165	2nd	29·031	18th	·134	81·1	89·0		77·9		83·5		11·1	94·4	5th	75·0	9th	19·4
7	Balasore	50	29·550	+·020	29·544	29·668	8th	29·457	31st	·151	81·6	88·9	+0·4	73·8	+0·4	83·9	+0·4	10·1	92·4	17th	77·3	4 days	15·1
	False Point	21	29·604	+·017	29·567	29·709	8th	29·507	31st	·193	81·7	87·0	−0·6	77·4	−1·2	82·2	−0·9	9·6	91·6	16th	74·6	27th & 29th	17·0
	Cuttack	80	29·538	+·017	29·562	29·639	7th	29·441	31st	·198	81·1	88·6	−1·2	73·2	−0·4	83·4	−0·8	10·4	92·9	14th	76·2	19th, 22nd & 28th.	16·7
	Puri	24	29·600		29·563§	29·693	8th	29·512	31st	·181	83·1§	87·8§		80·0†		83·9†		7·8	91·6	16th	75·6	5th	16·0
	Angul	455	29·159		29·572	29·258	8th	29·081	31st	·177	79·9	86·8		76·6		81·7		10·2	91·1	14th	74·0	10th & 19th	17·1
	Sambalpur	486	29·128	+·008	29·562	29·242	8th	29·054	31st	·188	79·5	86·0	−1·5	76·6	−0·7	81·4	−1·1	9·4	90·1	1st & 3rd	74·6	4 days	15·5
8	Chaibassa	*733*	28·848	+·037	29·531	28·920	8th	28·766	31st	·154	79·5	88·3	−1·3	77·0	−0·5	82·7	−0·9	11·3	92·3	4th & 14th	74·7	15th & 17th	17·6
	Ranchi	2,128	27·480	+·008	29·546	27·555	8th	27·413	19th	·142	75·6	83·7	−0·3	73·4	+0·5	78·5	+0·1	10·3	90·2	5th	71·4	10th	18·8
	Purulia	*816*	28·763		29·527	28·820	8th	28·686	31st	·134	78·3	88·7		76·4		82·6		12·3	93·0	5th	73·6	18th	20·4
	Hazaribagh	2,007	27·595	+·001	29·538	27·671	8th	27·522	19th	·149	77·2	84·5	−0·1	74·0	+0·3	79·3	+0·1	10·5	92·2	5th	72·3	8 days	19·9
	Daltonganj	*730*	28·851		29·530	28·952	8th	28·797	31st	·155	82·4	92·4		78·5		85·5		13·9	104·0	5th	75·0	17th	29·0
9	Purnea*	122	29·488	+·017	29·565	29·565	25th	29·401	15th	·164	80·5	91·1	+1·1	73·4	−0·3	84·8	+0·4	12·7	95·7	4th	72·2	15th	23·5
	Bhagalpur	160	29·435		29·549	29·507	29th	29·367	15th	·140	84·1	92·8		79·2		86·0		13·6	98·7	5th	73·8	14th	24·9
	Monghyr	155	29·430		29·535	29·509	25th	29·361	31st	·148	83·6	92·9		79·3		86·1		13·6	101·9	5th	74·4	14th	27·5
	Darbhanga	165	29·432	+·015	29·551	29·516	9th	29·356	31st	·160	83·3	93·1	+3·6	79·7	−0·1	86·4	+1·8	13·4	100·6	4th	74·2	14th	26·3
	Pusa	166	29·424		29·545	29·509	8th	29·335	31st	·174	83·7	94·2		79·2		86·7		15·0	102·9	4th	74·6	7th & 14th	28·3
	Muzaffarpur	178	29·423§		29·555§	29·519	9th	29·362	31st	·157	83·8	93·0		79·8		86·4		13·2	100·2	4th	74·5	7th	25·7
	Motihari	224	29·371		29·553	29·489	9th	29·296	31st	·189	82·5	93·4		79·8§		86·6§		13·6	100·4	4th	75·3	15th	25·1
	Chapra	181	29·387‖		29·520‡	29·474	25th	29·322	31st	·152	84·5	95·2‖		79·8		87·9‖		15·6	102·7	4th	75·9	10th	26·8
	Patna	183	29·396	+·006	29·531	29·491	9th	29·321	31st	·170	84·7	92·7	+2·6	80·6	+0·8	88·7	+1·7	12·1	102·0	4th	77·2	7th, 8th & 17th.	24·8
	Arrah	190	29·392		29·533	29·490	9th	29·316	31st	·174	84·5	93·3		80·2		86·8		13·1	102·9	5th	75·7	15th	27·2
	Buxar	239	29·329		29·522	29·453	9th	29·259	31st	·194	83·5	92·9		79·8		86·4		13·1	105·5	5th	74·6	7th	30·9
	Dehri	251	29·212		29·514	29·320	9th	29·137	14th & 31st.	·173	83·8	93·1		80·6		86·9		12·5	105·3	5th	77·0	16th	28·3
	Gaya	375	29·193	−·001	29·519	29·283	8th	29·125	31st	·158	83·6	92·8	+1·4	79·6	+0·8	86·2	+1·1	13·2	103·4	5th	76·2	6th	27·2
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·323	+·019	29·585	29·463	9th	29·260	18th & 31st.	·203	84·0	92·5	+1·4	79·4	0	86·0	+0·7	13·1	99·6	4th	74·5	15th	25·1
	Benares	267	29·297	+·010	29·516	29·435	9th	29·227	31st	·208	84·6	94·1	+2·9	80·0	+0·4	87·1	+1·7	14·1	105·6	5th	75·1	6th & 17th	30·5
	Allahabad	309	29·234	−·011	29·495	29·386	9th	29·163	31st	·223	84·1	93·0	+1·4	79·3	−0·1	86·2	+0·7	13·7	105·1	4th	75·0	8th	30·1

N.B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometrical readings are not reduced to sea-level, in the cases of hill or plateau

* Observations of 30 days.

† Mean of 29 days.
§ " " 30 "
‡ Mean of 26 days.
‖ " " 28 "

R—*continued.*

in India, etc., in July, 1908—continued.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st July 1908.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																II.—Eastern Bengal and Assam—*contd.*
7	1	12	2	8					N 80° E	N 88° E	1·8			53	— 4	86	— 6	·937	—·012	7·7	—0·8	14	20·16	— 6·16	12·96	33·38	— 20·42	46·03	68·28	—22·25	4·55	Jalpaiguri.
13		3	5	9	1				S 70° E		1·8			48		85		·939		7·5		15	18·79	— 3·79	23·32	25·58	— 2·26	79·20	72·99	+ 6·21	7·81	Cooch Behar.
					1																											III.—Bengal.
1			3	4	7	13	2	1	S 18° W	S 27° W	17·1	15·3	+1·8	62	+ 8	87	— 1	·975	—·021	8·5	—0·8	16	16·74	— 0·74	9.75	15·95	— 6·20	25·38	31·06	— 5·68	1·54	Saugor Island.
	1	1		7	17	5			S 5° E		3·0			78		85		·907		6·4		18	15·95	+ 2·05	18·17	12·56	+ 5·61	35·95	28·76	+ 7·19	5·08	Midnapore.
2			8	6	4	10	1		S 16° E	S 3° W	5·4	5·0	+0·4	53	+ 3	89	0	·964	—·003	9·0	+0·6	24	18·96	+ 5·04	24·64	12·27	+12·37	55·40	29·30	+26·10	5·82	Calcutta.
10				12	5	1	2	1	S 19° E	S 21° E	1·0	4·1	—3·1	46	— 4	88	— 2	·972	—·031	7·9	—0·5	20	17·52	+ 2·48	16·28	12·02	+ 4·26	33·30	32·52	+ 5·78	7·30	Jessore.
3			7	10	5	1	3	2	S 39° E		3·3			45		92		·986		8·0		19	15·87	+ 3·13	12·67	10·36	+ 2·31	34·64	26·79	+ 7·85	2·88	Krishnagar.
7	1	2	3	6	4	1	7		S 8° E	S 3° E	2·9	4·2	—1·3	23	—16	90	+ 4	·973	+·031	9·0	+0·8	19	16·10	+ 2·90	20·37	12·48	+ 7·89	46·57	28·75	+17·82	6·24	Burdwan.
14			3	5	2	4	3		S 7° E		2·8			26		87		·907		4·2		16	16·46	— 0·46	9 91	12·87	— 2·93	30·57	27·08	+ 3·49	1·45	Bankura.
16	1	1	6	6		1			S 73° E		2·3			32		92		·966		8·7		21	16·29	+ 4·61	11·66	14·15	— 2·49	25·73	27·85	— 2·12	2·57	Raniganj.
1	2	1	8	12	4	2	1		S 53° E	S 25° E	5·2	4·5	+0·7	59	+ 7	89	— 3	·947	—·046	9·0	+0·2	19	15 71	+ 3·29	14·00	10·51	+ 3·49	32·78	25·46	+ 7·32	3·80	Berhampore.
14	1	1	7	6	1			1	S 75° E		2·0¶			36		86		·926		6·4		18	18·72	— 0·72	14·16	14·14	+ 0·02	28 78	27·70	+ 1·09	3·93	Naya Dumka
5		2	2	1	2	15	4		S 42° W	S 37° W	4·4	5·9	—1·5	53	— 1	85	— 3	·908	—·062	7·1	—1·1	10	14 91	— 4·91	4 41	11·68	— 7·27	16·17	28·97	—12·80	1·03	Balasore.
5			3			11	1		S 62° W	S 59° W	8·6	11·2	—2·6	62	— 6	86	+ 1	·948	—·018	8·7	+0·3	15	14·90	+ 0·10	13·39	11·89	+ 1·50	23·71	25·42	— 1·71	3·68	False Point.
17		1	1	1		5	1		S 66° W	S 60° W	2·9**	3·3	—0·4	23	—29	87	+ 6	·923	+·032	5·5	—2·0	17	16·13	+ 0·87	9 57	11·46	— 1·89	28·74	26·52	+ 2·22	1·67	Cuttack.
4	1	2				19	1	1	S 19° W		12·6§			60		86§		·98§		7·4		11	11·74	— 0·74	7 45	9·95	— 2·51	22·15	20·84	+ 1·31	1·70	Puri.
2	2		2	3	2	2	7	13	N 60° W		6·3			52		86		·881		7·2		19			11·23			21·86			1·50	Angul.
	1				3	19	7	1	S 55° W	S 34° W	5·4	4 8	+0·6	86	+26	88	+ 2	·898	+·008	9·5	+1·3	24	19·50	+ 4·50	31·09	22·82	+ 8·27	40·02	35·79	+ 4·23	3·74	Sambalpur.
5		3	1	4	2	10	6		S 36° W	S 65° W	4 2	2·7	+1·5	40	— 4	89§	+ 4	·884§	—·014	8·1	+0·1	18	16·68	+ 1·32	7·64	12·34	— 4·70	22·01	25·19	— 3·18	1·47	Chaibassa.
	1	1	6	9	4	4	6	5	S 33° W	S 63° W	7·8	7·9	—0·1	17	—15	90	+ 2	·797	+·001	8·7	+0·7	21	19·10	+ 1·90	18·69	15·81	+ 2·88	30·23	28·25	+ 1·98	2·54	Ranchi.
4		5	5	5	2	4	5	1	S 45° E		3·4			19		95		·920		8·6		20	17·42	+ 2·58	14·51	12·23	+ 2·28	26·05	25·22	+ 0·83	2·65	Purulia.
	3	2	5	4	4	5	4	4	S 19° W	S 40° W	7·1	8·7	—1·6	10	—16	85	— 2	·783	—·017	7·9	—1·5	18	18·74	— 0·74	19·68	14·41	+ 5·27	29·18	25·85	+ 3·33	4·53	Hazaribagh.
21	1		2		3	2	2		S 18° W		4·5			10		81		·901		6·0		17	16·16	+ 0·84	11·24	12·51	— 1·27	12·88	19·65	— 7·27	2·21	Daltonganj.
18		6	6						N 67° E	S 81° E	2·7	3·5	—0·8	37	—14	95	+ 6	·977	—·004	7·7	+0·5	12	17 13	— 5·13	7·91	14·56	— 6·65	16·34	29·35	—13·01	2·75	Purnea.
11		4	9	4		1	2		S 85° E		3·6			39		81		·959		8·1		7	15·39	— 8·39	3·42	12·22	— 8·80	7·70	23·29	—15·59	1·63	Bhagalpur.
2		2	17	6	1		2	1	S 81° E		8·5			65		85		·988		8·0		11			3·71			6·98			1·13	Monghyr.
3		3	22	2			1		N 88° E	S 80° E	4·7	4·8	—0·1	82	+27	85	— 3	·972	+·003	6·6	—0·5	9	14·37	— 5·37	10·84	11·81	— 0·97	15·57	23·02	— 7·45	3·51	Darbhanga.
9			20	2					S 87° E					68		83		·964		6·6		9			7·24			9·61			2·74	Pusa.
5			14	12					S 69° E		5·8**			78		82		·942		4·1		8	14·39	— 6·39	6·23	11·90	— 5·67	10·53	21·55	—11·02	2·68	Muzaffarpur.
6		6	17		1			1	N 79° E		4·6			68		86		·967		5·5		7	12·48	— 5·48	6·79	12·49	— 5·70	10·38	24·06	—13·68	2·85	Motihari.
		11	10	9		1			N 88°E		2·5			74		84		·993		6·5		8	14·23	— 6·23	4·57	11·29	— 6·72	6·58	19·04	—12·46	1·54	Chapra.
1	1	1	6	11	9		2		S 40° E	N 81° E	8·1	4·6	+3·5	62	+20	82	— 4	·933	+·014	7·2	—1·4	11	14·16	— 3·16	6·34	12·66	— 6·32	11·14	23·13	—11·99	1·77	Patna.
6	1	10	5	5	1	3			N 86° E		2·8			45		82		·972		5·9		9	15·13	— 6·13	6·08	13·35	— 7·27	10·15	21·77	—11·62	2·67	Arrah.
2		1	20	2		1	2	3	N 87° E		4·9			58		83		·946		6·7		11	14·39	— 3·39	11·53	11·78	— 0·25	15·47	18·04	— 2·57	4·37	Buxar.
2		2	7	7	1	7	3	2	S 30° E		8·8			29		81		·950		7·5		10	14·72	— 4·72	44	11·64	— 4·20	7·93	18·99	—11·06	2·26	Dehri.
1	4	5	4	7	4	2	4		S 68° E	S. 2° E	2·9	4·0	—1·1	23	+13	81	— 3	·932	+·003	6·0	—3·0	12	15·68	— 3·68	5·36	13·67	— 8·31	9·06	22·08	—13·02	1·82	Gaya.
																																IV.—United Provinces of Agra and Oudh.
28		2		1					N 72° E	N 63° E	?	2·3	?	7	—25	92	+ 6	1·071	+·129	5·9	0	11	14·70	— 3·70	5·14	13·75	— 8·61	12·57	24·18	—11·61	2·15	Gorakhpur.
7		3	10	3		6	2		S 62° E	S 7° E	3·2	4·6	—1·4	30	+20	81	— 5	·950	—·012	6·5	—1·5	12	14·60	—1·60	9·34	11·45	— 2·11	9·33	18·32	— 8·99	2·84	Benares.
3	2	3	10	1	2	3	6		S 69° E	S 27° W	4·7	7·3	—2·6	17	+11	80	— 4	·941	0	8·1	—0·1	17	13·30	+3·70	18·14	12·15	+ 0·99	13·34	18·86	— 5·52	4·44	Allahabad.

stations, the elevations of which exceed 1,200 feet.

¶ Mean of 20 days.

** Uncorrected.

Table

(2) *Abstract of observations taken at 8 hrs., at 240 stations*

Number of subdivision.	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IV.—United Provinces of Agra and Oudh—*concld.*																						
10	Cawnpore	416	29·136	+·015	29·507	29·281	9th	29·050	31st	·231	83·9	94·1	+1·6	80 0	+0·4	87·1	+1·0	14·1	104·9	4th & 5th.	75·5	14th & 15th.	29·4
	Lucknow	368	29·195	+·012	29·519	29·362	9th	29·104	31st	·258	83·4	93·2	+1·0	79·0	−0·3	86·1	+0·4	14·2	105·5	5th	74·6	15th	30·9
	Bahraich	401	29·168	+·012	29·525	29·321	9th	29·094	31st	·227	84·2	93·5	+2·2	80·0	+1·2	86·8	+1·7	13·5	102·6	5th	74·5	15th	28·1
11	Jhansi	835	28·742	+·006	29·536	28·886	9th	28·650	31st	·236	80·9	88·9	−2·3	78·0	−0·8	83·5	−1·6	10·9	103·0	1st	74·0	14th	29·0
	Agra	556	28·993	+·001	29·505	29·126	9th	28·881	31st	·245	83·0	91·3	−2·0	79·4	−1·3	85·3	−1·7	11·9	99·5	5th	75·0	14th & 20th.	24·5
	Mainpuri	516	29·035	+·008	29·504	29·172	9th	28·942	31st	·230	84·6	94·3†	+1·6						105·8	5th			
	Bareilly	568	28·988	+·009	29·517	29·102	9th	28·893	16th	·209	82·0	91·2	−0·4	78·6	−0·1	84·9	−0·3	12·6	97·8	5th	75·0	4 days	22·8
	Meerut	738	28·815	+·012	29·512	28·924	9th	28·696	31st	·228	83·2	91·6	−0·9	77·8	−1·6	84·9	−1·3	14·1	99·6	1st & 6th.	72·8	2nd	26·8
	Roorkee	899	28·681	+·028	29·542	28 784	9th	28·549	31st	·235	81 3	90·5	−1·6	77·2	−1·0	83·9	−1·3	13·3	97·5	6th	75·4	6th, 20th & 28th.	24·1
	Dehra Dun	2,233	27·380	+·014	29·552	27·197	9th	27·265	31st	·232	77·6	86·1	+0·6	73·6	−0·5	79·9	+0·1	12·5	92·5	5th	70·0	19th	22·5
	V.—Punjab.																						
12	Delhi	718	28·846	+·024	29·521	28·950	10th	28·732	31st	·218	83·7	92·9	−1·1	80·1	−0·6	86·6	−0·9	12·8	108·2	6th	75·2	20th	33·0
	Sirsa	662	28·881	+·024	29·501	28·966	9th	28·789	31st	·177	84·7	96·3	−4·2	79·7	−2·1	88·0	−3·2	16·6	111·3	6th	74·6	15th & 11th.	36 7
	Patiala	*818*	28·751		29·526	28·855	9th	28·638	31st	·217	85·0	94·1		79·6		86·8		14·5	110·4	6th	72·5	3rd	37·9
	Ambala	892	28·667	+·023	29·514	28·772	9th	28·550	31st	·222	84·1‡	95·6‡	+2·1‡	78·3‡	−0·6‡	87·0‡	+0·8‡	17·3‡	109·5	6th	72·0	29th	37·5
	Ludhiana	812	28·744	+·025	29·517	28·857	9th	28·615	31st	·242	84·3	96·1	−0·9	80·4	+0·1	88·3	−0·4	15·7	111·5	6th	75·0	1st	36·5
	Lahore	702	28·831	+·023	29·494	28·918	9th	28·689	6th	·259	85·7	96·5	−1·1	80·6	+1·2	88·6	−1·5	15·9	112·4	6th	73·7	1st	38·7
	Sialkot	830	28·720	+·031	29·511	28·843	9th	28·582	6th	·261	85·0	95·0	−2·6	80·4	+0·9	87·7	−0·9	14·6	113·7	6th	76·1	7th, 9th & 29th.	37·6
	Rawalpindi	1,674	27·892	+·021	29·518	28·019	9th	27·723	6th	·296	82·4	94·1	−3·2	77·3	+0·6	85·7	−1·3	16·8	112·9	6th	71·1	14th	41·8
13	Khushab	612	28·931	+·054	29·504	29·055	9th	28·749	6th	·306	88·1	100·5	−2·1	82·3	+0·2	91·4	−1·0	18·2	114·9	6th	63·9	7th	51·0
	Montgomery	558	28 962	+·039	29·477	29·082	9th	28·804	6th	·278	87·7	100·4	−4·3	81·1	−2·8	90·8	−3·6	19·3	112·4	6th	65·1	7th	47·3
	Multan	420	29·095	+·035	29·471	29·235	9th	28·944	6th	·291	90·3	103·1	−0·4	84·9	+1·2	94·2	+0·4	18·5	112·3	6th & 7th.	78·0	7th & 8th,	34·3
	VI.—North-West Frontier Province.																						
1	Peshawar	1,110	28·427	+·013	29·498	28·563	9th	28·234	6th	·329	87·7	101·5	−1·4	80·8	+1·4	91·2	0	20·7	118·2	7th	73·9	26th	44·3
	D. I. Khan §	590	28·940†	+·028†	29·472†	29·131	9th	28·740	6th	·391	87·1	99·6	−3·8						112·3	6th & 7th.			
	VII.—Sind.																						
17	Jacobabad	186	29·305	+·017	29·449	29·403	9th	29·179	6th	·224	90·1	105·7	−2·1	85·2	+1·0	95·5	−0·6	20·4	114·1	6th	78·3	23rd	35·8
	Hyderabad	96	29·410	−·005	29·459	29·480	24th	29·310	6th	·170	83·6	95·9	−3·0	80·0	−0·8	88·0	−1·9	15·9	109·6	3rd	74·5	5th	35·1
	Kurrachee	13	29·548	+·008	29·513	29·597	9th	29·481	3rd	·116	83·0	88·8	−1·8	79·8	−0·8	84·3	−1·3	9·0	95·4	3rd	75·5	27th & 30th.	19·9
	VIII.—Rajputana.																						
18	Bikaner	*771*	28·761	+·005	29·489	28·843	10th	28·653	6th	·190	85·6	97·3	−3·1	81·9	−0·9	89·6	−2·0	15·4	108·6	6th	76·0	7th	32·6
	Jodhpur	782	28·791		29·549	28·878	10th	28·710	7th	·168	90·9	92·1		78·1		85·1		14·0	106·1	2nd	74·3	7th	31·8
	Pachpadra	*880*	29·172	+·012	29·506	29·243	21st	29·114	22nd	·129	82·2	91·7	−5·7	77·9	−1·7	84·8	−3·7	13·8	104·9	2nd	74·4	7th	30·5
19	Jaipur	1,431	28·157	+·007	29·541	28·256	9th	28·086	31st	·170	80·3	90·1	−3·4	76·6	−1·6	83·4	−2·5	13·5	104·2	1st	72·1	6th & 7th.	32·1
	Sambhar	1,254	28·323	+·015	29·533	28·427	10th	28·239	6th	·188	80·9	90·8	−3·5	77·5	−1·7	84·2	−2·6	13·3	103·9	1st	71·5	7th	32·4
	Ajmer	1,611	27·989	+·007	29·550	28·085	10th	27·911	7th	·174	79·4	87·3	−4·0	77·2	−0·1	82·2	−2·1	10·1	99·9	1st	71·2	16th	28·7
	Kotah	819 ?	28·731	+·002	29·545	28·829	10th	28·663	1st	·176	81·0	89·4	−5·7	78·1	−2·9	83·8	−4·3	11·3	103·5	1st	74·6	21st & 24th.	28·9
	Udaipur	1,925	27·696		29·563	27·771	10th	27·637	7th	·134	77·2	84·8		74·3		79·6		10·5	95·5	1st	72·3	1st, 8th & 9th.	23·2

N.B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 5,200 feet.

† Mean of 29 days. ‡ Mean of 17 days. § Observations of 30 days.

B—*continued.*

***in India, etc., in July, 1908*—continued.**

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st July 1908.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56.	57
																																IV.—United Provinces of Agra and Oudh—*concld.*
12	1	1	9	1	1	4	2		S 63° E	S 1° E	3·1	4·7	−1·6	23	+ 9	85	+ 1	·970	+·029	4·1	−3·3	14	12·10	+1·90	10·51	10·96	−0·45	11·27	15·36	−4·09	3·67	Cawnpore.
8		6	3	11	1	2			S 65° E	S 82° E	2·7	3·8	−1·1	49	+25	84	0	·973	+·032	6·4	−0·5	11	14·10	−0·10	16·89	11·53	+5·36	17·47	18·25	−0·78	6·15	Lucknow.
5		1	14	11					S 72° E	S 68° E	3·9	3·5	+0·4	76	+36	80	− 5	·945	−·012	6·5	−0·2	7	12·80	−5·80	4·53	11·86	−7·33	15·54	20·34	−4·50	1·06	Bahraich.
5		3		3	3	11	4	2	S 44° W	S 72° W	5·9	4·4	+1·5	43	− 4	85	+ 7	·908	+·038	5·4	−1·1	22	13·10	+8·90	20·91	12·12	+8·79	22·76	18·59	+4·17	3·75	Jhansi.
5		1		11		9		5	S 9° W	S 49° W	4·8	5·5	−0·7	33	− 9	89	+10	·999	+·077	7·6	+0·6	15	10·83	+4·20	17·15	10·60	+6·55	18·88	14·06	+4·82	3·87	Agra.
1	1	4	9	5	2	5	2	2	S 65° E	S 41° E	3·6	2·0	+1·6	30	+27	81	− 1	·961	+·033	5·7	−1·3	9	10·20	−1·20	8·98	8·75	+0·23	10·00	13·91	−3·91	2·70	Mainpuri.
19		3	8						N 89° E	S 47° E	2·6	3·3	−0·7	37	+ 5	84	− 1	·928	−·004	7·9	+1·3	17	13·45	+3·55	10·76	15·47	−4·71	23·88	22·19	+0·69	2·28	Bareilly.
25	1	1	4						S 72° E	S 63° E	0·9	2·3	−1·4	13	−13	87	+ 8	·963	+·077	6·6	0	15	9·40	+5·60	14·27	9·35	+4·92	16·71	13·44	+3·27	2·31	Meerut.
16				14	1				S 42° E	S 38° E	3·1	2·9	+0·2	49	+10	84	+ 2	·894	+·015	6·3	−0·1	15	11·90	+3·10	16·68	12·61	+4·07	17·79	18·74	−0·95	2·93	Roorkee.
30					1				S	S 38° E	1·0*	1·1	−0·1	3	− 7	85	− 3	·814	+·007	7·6	−0·4	18	21·20	−3·20	27·92	28·58	−0·66	35·52	40·53	−5·01	9·43	Dehra Dun.
																																V.—Punjab.
9	1	9	8	6	1	1	5	1	S 61° E	S 22° E	5·5	4·2	+1·3	30	+ 8	82	+ 7	·927	+·057	7·3	+1·0	12	9·20	+2·80	13·84	8·48	+5·36	14·46	12·61	+1·85	3·90	Delhi.
7	3	3	6	1	2	7	1	1	S 50° E	S 16° W	4·4	7·1	−2·7	10	−19	81	+14	·959	+·102	5·6	−0·3	12	5·00	+7·00	9·99	4·14	+5·85	13·56	6·64	+6·92	1·59	Sirsa.
		1	6	18	5		1		S 27° E		6·3			78		79		·949		5·6		7			3·90			5·18			2·06	Patiala.
4			1	13	1			2	S 45° E	S 62° E	2·4	1·5	+0·9	43	+20	80†	− 6	·937†	0	7·0	+1·3	9	9·80	−0·80	4·27	7·65	−3·38	5·32	14·67	−9·35	1·00	Ambala.
3		1	1	15		1			S 27° E	S 34° E	2·1	2·4	−0·3	53	+17	76	0	·905	+·012	6·6	+0·2	10	7·60	+2·40	5·43	9·27	−3·84	7·07	12·90	−5·83	0·90	Ludhiana.
8			3	14	6				S 39° E	S 42° E	3·2	3·4	−0·2	66	+27	79	+ 8	·979	+·102	4·8	+0·5	13	3·30	+9·70	6·86	5·96	+0·90	8·61	8·87	−0·26	1·80	Lahore.
3	1	4	5	3	2	1	1	1	S 68° E	S 85° E	2·2	2·8	−0·6	24	−23	77	+ 3	·924	+·039	4·3	+0·4	17	9·00	+8·00	9·93	8·01	+1·92	10·72	12·12	−1·40	3·48	Sialkot.
1	3	4	1		1		1		N 31° E	S 82° E	2·8	2·5	+0·3	20	− 5	76	+ 4	·819	+·011	6·9	+2·7	13	9·10	+3·90	18·45	8·53	+9·92	18·74	12·01	+6·73	3·48	Rawalpindi.
1		12	10	2	3	2	1		N 82° E	N 62° E	8·4	7·5	+0·9	56	+ 2	71	+ 6	·935	+·088	3·4	+0·7	5	3·50	+1·50	5·43	4·52	+0·91	6·31	7·02	−0·71	2·49	Khushab.
		2	5	10	5	8	1		S 23° E	S 15° E	8·1	9·6	−1·5	59	+20	69	+ 9	·890	+·052	3·0	+0·1	7	3·20	+3·80	6·28	2·48	+3·80	7·27	3·89	+3·38	1·57	Montgomery.
1	6	2		2	1	6			N 51° E	S 89° W	1·5	3·1	−1·6	3	−31	66	+ 4	·930	+·080	2·9	+0·8	2	2·50	−0·50	2·81	2·41	+0·40	3·03	3·33	−0·30	2·62	Multan.
																																VI.—North-West Frontier Province.
	6	4					2	5	N 13° W	N 9° W	2·5	4·1	−1·6	40	− 2	65	+ 2	·858	+·060	4·5	+1·3	1	2·10	−1·10	0·29	1·66	−1·37	0·98	2·71	−1·73	0·25	Peshawar.
	1	10		13	2	2			S 73° E	N 69° E	5·8	2·5	+3·3	53	+21	76	+ 7	1·013	+·101	1·9	−0·5	2	3·10	−1·10	1·33	2·38	−1·05	1·45	3·37	−1·92	0·68	D. I. Khan.
																																VII.—Sind.
5	1	1	8	6	2		7		S 23° E	S 49° E	5·1	5·6	−0·5	7	−58	68	+ 3	·961	+·058	5·4	+2·8	4	1·60	+2·40	2·13	1·22	+0·91	2·13	1·47	+0·66	1·28	Jacobabad.
1	2	1	1	5	13	3			S 36° W	S 47° W	8·5	16·7	−8·2	49	−32	80	+13	·917	+·102	7·1	+1·1	9	3·30	+5·70	15·81	2·70	+13·11	15·85	3·26	+12·59	6·29	Hyderabad.
		1			6	20	4		S 88° W	S 76° W	13·8	17·2	−3·4	86	+ 2	88	+ 6	·989	+·032	7·3	0	4	3·00	+1·00	5·11	3·66	+1·45	5·11	4·37	+0·74	2·40	Kurrachee.
																																VIII.—Rajputana.
		2	3	6	11	6	1		S 34° W	S 29° W	7·3	8·3	−1·0	59	− 5	74	+ 8	·908	+·064	5·1	+0·7	12	4·90	+7·10	7·30	3·39	+3·91	8·01	5·97	+2·04	1·37	Bikaner.
	1	1	3	6	13	3	3		S 36° W		5·4			56		85		·889		8·7		10	5·30	+2·70	12·22	4·19	+8·03	12·69	5·95	+6·74	5·85	Jodhpur.
1		1	1	11	10				S 17° W		7·4	11·0	−3·6	60		86	+ 6	·941	+·017†	1·6	−6·0	13	5·40	+7·60	7·87	4·63	+3·24	9·46	6·75	+2·71	2·35	Pachpadra.
1	5	7	2	1	1	7	6		N	S 73° W	4·1*	5·4	−1·3	18	−24	84	+ 8	·872	+·036	8·2	+1·4	19	10·90	+8·10	13·90	8·66	+5·24	15·15	11·81	+3·34	3·10	Jaipur.
3		3	1	2		10	3		N 74° W	S 57° W	6·0	8·8	−2·8	27	−30	88	+15	·926	+·105	8·5	+2·3	15	8·80	+6·20	10·58	7·23	+3·35	12·19	9·57	+2·62	2·94	Sambhar.
	1		2	1	2	13	4		S 89° W	S 87° W	7·2	8·0	−0·8	49	−19	88	+ 8	·885	+·047	8·5	+2·9	14	9·50	+4·50	12·97	7·42	+5·55	15·89	10·51	+5·29	3·07	Ajmer.
1						6	9	3	S 86° W		3·5			49		82		·864		8·3		16	10·90	+5·10	17·40	10·47	+8·93	20·06	12·99	+7·07	6·04	Kotah.
1		1	2	3	10	9	2		S 55° W		5·2			56		84		·784		8·9		16	9·50	+6·50	15·34			15·16			2·48	Udaipur.

* Uncorrected.

Table

(2) *Abstract of observations taken at 8 hrs., at 240 stations*

Number of subdivision.	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean, between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IX.—Bombay.																						
20	Deesa	466	29·129	−·007	29·549	29·210	10th	29·061	2nd	·149	78·7	87·2	−4·5	76·1	−1·5	81·7	−3·0	11·1	102·3	2nd	73·4	9th	28·9
	Bhuj	395	29·192	−·005	29·538	29·259	10th	29·112	2nd	·147	79·9	87·7	−2·3	76·8	−1·3	82·3	−1·8	10·9	98·1	2nd & 4th.	74·0	9th & 12th.	24·1
	Jamnagar	61	29·541		29·547	29·608	10th	29·443	2nd	·165	81·4	84·8		77·5		81·1		7·3	95·5	4th	73·8	12th	21·7
	Dwarka	37?	29·571		29·554	29·651	10th	29·448	2nd	·203	82·3	85·8		79·8		82·8		6·0	95·8	4th	75·7	30th	20·1
	Rajkot	429	29·200	+·002	29·579	29·279	10th	29·092	2nd	·178	80·6	87·9	−2·7	75·2	−0·6	81·5	−1·7	12·7	98·4	5th	72·7	3rd & 5th.	25·7
	Veraval	*18*	29·631	−·007	29·591	29·720	10th	29·501	2nd	·219	81·0	82·4	−1·3	79·0	−0·2	80·7	−0·8	3·4	84·2	1st, 3rd & 5th.	75·8	12th	8·4
	Bhavnagar Para	55	29·587	−·035	29·586	29·668	10th	29·474	2nd& 3rd.	·194	80·5	89·1	−4·3	77·2	−1·6	83·1	−3·0	11·9	97·1	5th.	74·5	12th	22·6
	Surat	39	29·623	−·010	29·608	29·707	9th	29·496	2nd	·211	79·5	84·2	−3·1	76·3	−1·0	80·3	−2·1	7·9	92·1	3rd	74·6	6 days	17·5
	Ahmedabad	163	29·460	−·014	29·572	29·542	10th	29·375	2nd	·167	79·5	88·2	−3·2	76·9	−1·3	82·6	−2·3	11·3	97·1	1st	70·2	21st	26·9
26	Bombay	37	29·693	−·009	29·670	29·795	9th	29·530	2nd	·265	80·2	83·7	−0·7	77·6	+0·1	80·7	−0·3	6·1	86·0	10th	75·5	1st, 29th & 30th.	10·5
	Ratnagiri	110	29·676	+·009	29·725	29·771	9th	29·578	1st	·193	79·5	82·9	−1·0	75·4	−0·3	79·1	−0·7	7·5	85·8	10th	71·9	22nd	13·9
	Goa	199	29·601	−·019	29·739	29·688	9th	29·503	2nd	·185	77·2	79·9	−2·5	75·5	−0·5	77·7	−1·5	4·4	83·1	4th & 5th.	73·6	31st	9·5
	Mormugao	60	29·762	+·011	29·757	29·814	9th	29·674	2nd	·170	78·7	82·5	−1·2	74·4	−1·8	78·5	−1·5	8·1	86·5	4th & 6th.	72·2	11th & 19th.	14·3
	Karwar	44	29·804	+·018	29·782	29·875	9th	29·720	2nd	·155	77·3	81·6	−1·4						85·3	15th			
27	Malegaon	1,430	28·251	−·003	29·634	28·350	9th	28·155	2nd	·195	77·9	86·2	−1·2	72·9	−0·4	79·6	−0·8	13·3	93·4	27th	71·1	11th, 12th & 30th.	22·3
	Ahmednagar	2,154	27·596	+·016	29·692	27·689	9th	27·485	2nd	·204	75·5	84·8	−0·4	71·2	+0·7	78·0	+0·2	13·6	90·4	27th & 28th.	69·5	24th & 30th.	20·9
	Poona	1,846	27·894	−·001	29·685	27·983	9th	27·772	2nd	·211	73·9	80·1	−2·2	70·5	−0·3	75·3	−1·3	9·6	84·0	1st, 10th & 27th.	69·3	23rd	14·7
	Sholapur	1,590	28·155	−·006	29·697	28·259	9th	28·050	2nd	·209	76·7	87·9	−1·6	72·3	+0·6	80·1	−0·5	15·6	94·3	9th	70·4	4 days	24·4
	Bijapur	*1,948*	27·821	0	29·719	27·916	9th	27·733	2nd	·183	74·4	85·0	−1·2	70·3	−0·5	77·7	−0·9	14·7	90·2	27th	68·2	12th, 30th & 31st.	22·0
	Belgaum	2,539	27·265	+·011	29·752	27·361	9th	27·179	2nd	·182	69·9	74·2	−1·5	65·6	−0·3	70·4	−0·9	7·6	76·8	4th & 16th.	65·6	10 days	11·2
	X.—Central India.																						
21	Neemuch	1,624	27·991	−·002	29·573	28·074	10th	27·929	22nd	·145	76·2	85·2	−2·2	74·4†	+0·3	80·7†	−1·0	10·8	95·0	1st	72·7	3rd & 12th.	22·3
	Indore	1,823	27·042	+·023	29·620	27·934	9th	27·764	1st	·170	74·7	82·2	−2·3	72·3	−0·3	77·2	−1·3	9·9	88·6	4th	70·6	1st	18·0
22	Nowgong	754	28·313	−·001	29·523	28·962	9th	28·736	31st	·226	80·2	88·6	−1·3	77·8	−0·3	83·2	−0·8	10·8	101·5	1st	75·0	6th	26·5
	Sutna	1,040	28·515	−·010	29·513	28·660	9th	28·459	31st	·201	80·1	87·7	+0·3	77·9	+0·9	82·8	+0·6	9·8	99·0	1st	72·7	6th	26·3
	XI.—Central Provinces.																						
23	Buldana	2,132	27·573		29·648	27·680	9th	27·505	2nd	·175	74·4	82·4		70·4		76·4		12·0	87·8	4th	69·0	12th	18·8
	Akola	930	28·738	+·003	29·624	28·853	9th	28·653	1st	·200	77·4	86·9	−2·1	73·3	−1·0	80·2	−1·6	13·6	93·2	17th	71·1	1st	22·1
	Amraoti	1,215	28·442	+·001	29·614	28·568	9th	28·342	2nd	·226	76·2	85·4	−1·9	73·0	−0·5	79·2	−1·2	12·4	91·8	4th	70·8	31st	21·0
24	Khandwa	1,044	28·604	+·002	29·609	28·718	9th	28·508	1st	·210	76·8	85·8	−1·8	74·8	−0·5	80·3	−1·2	11·0	93·2	4th	72·1	16th	21·1
	Hoshangabad	1,006	28·625	+·003	29·591	28·749	9th	28·546	1st	·203	77·1	86·1	−0·6	74·3	−0·9	80·2	−0·8	11·8	93·6	4th	70·9	12th	22·7
	Saugor	1,807	27·891	−·001	29·558	27·936	9th	27·742	31st	·193	76·0	88·1	−2·1	73·6	−0·3	78·4	−1·2	9·5	95·1	1st	70·0	6th	25·1
	Jubbulpore	1,327	28·279	+·003	29·565	28·429	9th	28·189	11th	·240	76·5	84·7	−1·2	74·6	0	79·7	−0·6	10·1	93·0	4th	71·8	6th & 12th.	21·2
	Seoni	2,033	27·618	+·011	29·597	27·754	9th	27·529	11th	·225	74·8	83·5	−0·3	71·6	−1·0	77·6	−0·7	11·9	90·8	4th	67·9	12th	22·9
	Nagpur	1,027	28·627	+·007	29·602	28·758	9th	28·527	1st	·231	77·4	86·3	−1·5	74·6	−0·5	80·4	−1·0	11·7	92·6	4th	72·1	11th	20·5
25	Pendra	*2,393?*	27·572		29·542	27·661	8th	27·483	11th	·208	75·6	82·3		72·9		77·6		9·4	86·8	4 days	71·2	7th, 8th & 12th.	15·6
	Raipur	970	28·663	+·021	29·587	28·790	8th & 9th.	28·545	11th	·245	78·7	86·7	−1·8	74·7	−0·2	79·7	−1·0	10·0	88·7	2nd & 4th.	72·6	6th & 11th.	16·1
	Chanda	*634*	29·031	+·008	29·612	29·149	9th	28·933	1st	·221	78·9	87·4	−1·2	74·9	−1·0	81·2	−1·1	12·5	93·5	3rd	72·0	8th	21·5

N.B.—Elevations in italics indicate barometrical determinations.

† Mean of 18 days.

NOTE.—The barometric readings are not reduced to sea-level, in the

B—*continued.*

***in India, etc., in July, 1908*—continued.**

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st July, 1908.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IX.—Bombay.
	1			3	9	17	1		S 26° W	S 61° W	11·9 ‖	15·3	−3·4	82	+17	91	+ 8	·892	+·026	9·9	+1·4	22	10·73	+11·27	27·65	10·16	+17·49	27·73	12·68	+15·05	9·93	Deesa.
	1	3				10	14	3	S 85° W	S 78° W	15·8	18·2	−2·4	69	− 9	87	+ 7	·875	−·001	9·1	+1·4	8	6·20	+1·80	7·37	7·47	− 0·10	7·56	9·59	−2·03	2·63	Bhuj.
		1	1	1		24	4		S 48° W		19·0			81		85		·918		4·7		16			11·82			13·01			4·00	Jamnagar.
					4	18	7		S 51° W		21·6			82		84		·939		8·5		7			8·81			9·39			3·00	Dwarka.
1	1			1	2	1	24	3	S 42° W	S 76° W	15·3	14·2	+1·1	82	+ 1	82	− 1	·841	−·032	8·8	+0·8	16	11·20	+4·80	9·34	13·31	− 3·97	12·35	18·65	−6·30	3·20	Rajkot.
3						14	14		S 67° W	S 75° W	24·1	13·4	+10·7	86	+ 3	92	+ 4	·970	+·038	8·6	0	15	10·90	+4·10	11·16	7·24	+ 3·92	12·90	12·49	+0·41	2·47	Veraval.
1					1	23	4	2	S 54° W	S 48° W	7·9	14·7	−6·8	87	+10	86	+ 6	·891	−·031	8·5	+0·9	19	10·20	+8·80	12·28	4·73	+ 7·55	12·55	9·85	+2·70	2·10	Bhavnagar, Para.
2		1	1		5	12	9	1	S 51° W	S 55° W	10·1	13·0	−2·9	66	−11	88	+ 2	·899	−·014	9·2	+1·2	22	16·10	+5·90	33·65	17·68	+16·17	36·68	27·43	+9·25	11·04	Surat.
			1	1	3	22	1	1	S 37° W	S 55° W	6·5	6·6	−0·1	82	+11	87	+ 4	·872	−·018	9·6	+0·8	22	13·50	+8·50	12·14	12·59	− 0·45	14·23	19·36	−5·13	2·05	Ahmedabad.
				1		10	20		S 76° W	S 70° W	16·6	19·4	−2·8	89	+15	87	+ 1	·906	−·005	9·8	+0·8	25	23·00	+2·00	23·65	26·05	− 2·40	36·04	46·39	−10·35	5·09	Bombay.
						17	13	1	S 66° W	S 65° W	13·4	11·7	+1·7	92	+24	87	− 1	·881	−·010	9·6	+0·9	30	25·90	+4·10	35·46	35·68	− 0·22	54·78	67·33	−12·57	6·78	Ratnagiri.
1						8	19	3	S 83° W	S 76° W	14·9	10·0	+4·9	89	+15	94	+ 6	·878	−·009	9·9	+0·8	34			60·95	32·68	+28·27	84·42	63·73	+20·69	5·80	Goa.
1						9	17	4	S 82° W	N 63° W	13·9 ¶	13·2	+0·7	86	+ 6	93	+ 4	·909	+·003	9·5	+1·9	31			60·22	31·88	+28·34	85·66	58·08	+27·58	5·01	Mormugao.
5	3				8	11		4	S 47° W	S 75° W	7·1 §	5·8	+1·3	49	−18	87	+ 1	·829	−·013	8·2	+0·2	31	27·40	+3·60	67·40	37·78	+29·62	104·86	77·04	+27·82	5·64	Karwar.
2						9	19	1	S 78° W	S 75° W	13·2	14·5	−1·3	89	+ 3	77	− 1	·746	−·009	6·6	−1·1	11	7·30	+3·70	3·94	5·00	− 1·06	7·09	10·17	− 3·08	1·56	Malegaon.
						17	14	2	S 64° W	S 74° W	12·6	20·7	−8·1	89	+14	74	− 8	·655	−·064	8·7	+0·9	5	6·40	−1·40	1·48	2·84	− 1·36	4·58	8·86	− 4·28	0·55	Ahmednagar
4						2	23	2	W	S 76° W	14·4 **	16·9	−2·5	83	− 3	84	+ 2	·708‡	−·001	9·5	+0·7	18	12·50	+5·50	5·93	7·05	− 1·12	7·16	13·11	−5·95	0·95	Poona.
						21	9	1	S 60° W	S 69° W	17·1	14·4	+2·7	89	+ 5	80	+ 8	·736	+·055	8·8	+0·7	8	7·60	+0·40	4·67	4·19	− 0·12	6·74	9·55	− 2·81	1·63	Sholapur.
						23	8		S 56° W	S 74° W	17·9	10·2	+7·7	92	+ 7	80	0	·682	−·016	7·0	−1·1	3	5·10	−2·10	1·33	2·02	− 0·69	3·38	7·66	− 3·98	0·60	Bijapur.
1						8	20	2	S 82° W	S 77° W	23·9 ††	26·4	−2·5	89	+ 2	94	+ 1	·686	+·004	10·0	+0·7	31	21·80	+9·20	29·38	15·46	+13·92	39·20	26·39	+12·81	5·34	Belgaum.
																																X.—Central India.
1				2	13	14	1		S 66° W	S 71° W	10·8	12·2	−1·4	86	+ 6	90	+ 8	·815	+·015	8·4	+1·6	16	10·10	+5·90	12·16	8·96	+ 3·20	13·62	14·36	−0·74	2·25	Neemuch.
				1	7	17	6		S 87° W	S 81° W	7·6	6·7	+0·9	86	+11	87	0	·764	−·018	9·8	+1·1	18	12·50	+5·50	13·42	9·00	+ 4·42	18·22	15·94	+2·28	3·54	Indore.
2	4		2	1	3	7	11	1	S 74° W	S 84° W	3·0	4·2	−1·2	49	− 9	93	+10	·957	+·072	8·7	+1·7	23	14·80	+8·20	18·60	14·20	+ 4·40	19·61	22·68	−3·07	3·22	Nowgong.
2	1	1	5	2	1	8	10	1	S 58° W	S 74° W	5·2	9·2	−4·0	37	− 8	88	+ 5	·905	+·047	9·7	+2·6	21	15·00	+6·00	23·46	14·28	+ 9·18	24·70	21·98	+2·72	5·25	Sutna.
																																XI—Central Provinces.
						10	17	4	S 82° W		8·7	9·3	−0·6	87		81		·699		8·7		15			9·62	8·87	+0·81	16·17	16·09	+0·08	3·39	Buldana.
				1		13	4		S 73° W	N 88° W	9·2	9·1	+0·1	86	+ 4	82	+ 3	·778	−·004	9·3	+1·4	17	12·30	+4·70	10·62	10·57	+ 0·25	19·50	16·20	+ 3·30	1·84	Akola.
						14	16	1	S 71° W	S 88° W	10·9	9·1	+1·8	92	+ 9	81	− 2	·767	−·027	7·9	+0·1	13	12·30	+0·70	8·65	9·88	− 1·23	16·59 ‖	17·33	− 0·74	1·48	Amraoti.
3				1	5	14	8		N 88° W	W	8·1	9·4	−1·3	76	−10	85	+ 4	·787	+·001	8·7	+1·2	13	11·10	+1·90	5·75	8·89	− 3·14	11·46	15·05	− 3·59	1·31	Khanuwa.
7						9	14	1	S 75° W	S 54° W	7·0	4·8	+2·2	72	− 3	90	+ 2	·842	−·010	9·5	+1·1	19	16·10	+2·90	12·50	16 82	− 4·32	17·66	24·15	− 6·49	2·62	Hoshangabad
	2	1			1	8	17	2	S 84° W	S 80° W	8·6	6·4	+2·2	76	+ 5	87	0	·779	−·027	9·2	+2·0	23	16·50	+6·50	17·41	15·27	+ 2·14	18·86	24·56	− 5·70	4·53	Saugor.
4		1		1	1	6	13	5	S 85° W	S 74° W	3·8	4·7	−0·9	62	− 3	87	0	·803	−·025	9·6	+1·6	24	18·40	+5·60	20·00	20·15	− 0·15	26·60	30·20	− 3·60	2·64	Jubbulpore.
	1	1			3	8	11	7	S 85° W	S 76° W	3·2	6·1	−2·9	69	+ 4	90	+ 3	·769	−·020	8·9	+0·7	19	13·60	+0·40	16·80	17·09	− 0·29	23·22	27·72	− 4·50	2·48	Seoni.
			1		8	13	8	1	S 46° W	S 76° W	6·7	8·7	−2·0	76	+ 8	83	0	·786	−·039	8·5	+0·1	19	15·80	+3·20	13·81	14 65	− 0·85	25·87	28·90	+1·97	2·75	Nagpur.
5	8	1	1	1	8	7	2	3	S 40° W		5·9			32		90		·799		7·8		23			26·13			33·97			4·45	Pendra.
				1	24		8		S 53° W	S 49° W	13·0	11·1	+1·9	96	+31	89	+ 3	·824	−·017	9·0	+0·4	14	15·80	−1·80	11·63	15·89	− 4·26	22·00	25·71	− 3·71	2·68	Raipur.
1				3	9	13	5		S 76° W	S 69° W	6·9	6·0	+2·9	79	+ 1	82	+ 4	·820	+·024	9·0	+1·0	26	16·80	+9·20	19·55	18·08	+ 1·47	27·25	26·50	+ 0·75	4·91	Chanda.

cases of hill or plateau stations, the elevations of which exceed 3,000 feet.

** Mean of 29 days.
†† „ „ 15 „

§ Uncorrected
‖ Mean of 27 days.

¶ Mean of 30 days.
‡ „ „ 20 „

Table

(2) *Abstract of observations taken at 8 hrs., at 240 stations*

Number of subdivision.	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 hrs., in inches.							Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XII.—Hyderabad.																						
28	Aurangabad	1,905	27·833		29·689 ††	27·902	9th	27·762	2nd	·140	74·5*	85·3		70·3		77·9		15·0	94·2	27th	68·7	30th	25·5
	Nizamabad	1,260	28·456		29·573 ††	28·578	9th	28·354	2nd	·224	77·1	86·8		73·0		79·8		13·6	90·9	9th	70·7	29th & 31st.	20·2
	Bidar	*2,165*	27·582		29·698	27·693	9th	27·501	2nd	·189	72·7	83·5		70·3		76·9		13·2	91·0	10th	68·3	31st	22·7
29	Gulbarga	1,503	28·255	+·006	29·716	28·360	9th	28·180	2nd	·180	75·0	87·0	−2·8	70·6	−1·2	78·8	−2·0	16·4	95·0	27th	56·8	30th	38·2
	Raichur	*1,311*	28·467	+·013	29·734	28·577	9th	28·396	1st	·181	76·2	89·3‡	−0·5	70·6‡	−2·5	80·1‡	−1·5	19·0	95·1	4th	51·1	30th	44·0
	Hyderabad (Deccan).	1,690	28·054	+·012	29·699	28·168	9th	27·968	1st	·200	74·8	86·5	−0·6	72·4	+0·7	79·5	+0·1	14·1	95·3	9th	69·7	31st	25·6
	Hanumkonda	871	28·835		29·653	28·947	9th	28·748	1st	·199	75·4	88·2		75·3		81·8		12·9	93·5	3rd	70·2	28th	23·3
	XIII.—Mysore.																						
30	Chitaldroog	2,405	27·433	+·011	29·787	27·524	9th	27·356	2nd	·168	70·8	79·0	−2·9	68·2	−0·2	73·6	−1·6	10·8	83·6	8th	65·9	31st	17·7
	Hassan	3,149	26·761	+·021	29·839	26·828	9th	26·695	1st	·133	68·2	74·7	−2·1	64·9	0	69·8	−1·1	9·8	77·5	10th	63·2	22nd	14·3
	Bangalore	3,021	26·860	−·002	29·811	26·939	9th	26·796	1st	·143	69·0	80·1	−1·8	65·4	−0·4	72·8	−1·1	14·7	85·8	10th	61·8	16th, 30th & 31st.	22·0
	Mysore	2,518	27·377	+·012	29·845	27·441	8th & 9th.	27·311	1st	·130	70·6	80·1	−2·6	66·4	−0·5	73·2	−1·6	13·7	86·0	10th	64·5	22nd	21·5
	XIV—Madras.																						
31	Mangalore	65	29·813	+·006	29·811	29·867	9th	29·710	1st	·127	76·4	80·7	−2·3	72·8	−1·4	76·8	−1·9	7·9	84·7	14th	70·9	30th & 31st.	13·8
	Calicut	27	29·881	+·016	29·838	29·933	5th	29·836	28th	·107	74·9	79·6	−2·9	72·7	−1·2	76·2	−2·1	6·9	85·3	2nd	70·6	2nd	14·7
	Cochin	9	29·928	+·032	29·865	29·971	5th	29·883	28th	·088	76·6	82·5	−1·0	72·9	−1·2	77·7	−1·1	9·6	86·7	2nd & 3rd	70·7	25th	16·0
	Trivandrum	198	29·725	+·031	29·858	29·770	10th	29·656	28th	·114	76·8	82·1	0	73·1	−1·1	78·1	−0·6	8·0	84·0	5th	71·0	21st, 23rd & 25th.	13·0
32	Tinnevelly	168	29·702	+·031	29·798	29·759	8th	29·626	28th	·133	85·2	95·1	−0·7	78·9	−0·5	87·0	−0·6	16·2	100·3	7th	74·9	1st	25·4
	Pamban	37	29·800‖	+·003	29·764‖	29·860	8th	29·731	22nd	·129	82·9	89·4	+0·3	79·3	−0·2	84·4	+0·1	10·1	92·3	6th	77·7	20th	14·6
	Madura	447	29·408	+·034	29·789	29·474	5th	29·344	1st & 2nd.	·130	83·8	96·4	−0·8	77·0	+0·6	86·7	−0·1	19·4	99·9	5th	74·6	14th	25·3
	Periyakulam	944	28·906		29·310	28·980	8th	28·823	1st	·157	69·9	92·7		72·2		82·5		20·5	97·7	2nd	69·5	2nd	28·2
	Pudukkottai	318	29·528		29·778	29·601	8th	29·464	1st	·137	82·4	95·9		77·3†		86·7†		18·6	99·3	2nd & 30th.	70·1†	7th	29·2
	Negapatam	31	29·799	+·013	29·759	29·869	8th	29·727	28th	·142	83·4	97·5	+1·6	79·3	+1·1	88·4	+1·4	18·2	101·4	5th	74·5	11th	26·9
	Trichinopoly	255	29·591	+·022	29·778	29·665	8th	29·526	1st & 27th.	·139	83·5	97·2	−0·3	76·3	+0·4	87·8	+0·1	18·9	100·6	6th	76·8	6th & 20th.	23·8
	Coimbatore	1,348	28·511	+·020	29·816	28·583	8th	28·449	27th	·134	75·0	87·2	−0·8	70·2	−0·5	78·7	−0·7	17·0	91·9	11th	68·3	24th	23·6
	Salem	940	28·930	+·014	29·817	28·949	8th	28·860	1st	·139	77·6	92·9	−0·2	73·8	+0·8	83·4	+0·3	19·1	98·2	10th	71·4	26th	26·8
	Cuddalore	37	29·786	+·026	29·753	29·861	8th	29·723	27th	·138	82·3	95·1	−0·8	78·6 **	+0·9	86·9 **	+0·1	16·5	99·6	3rd	72·2	11th	27·4
	Vellore	707	29·112		29·759	29·200	8th	29·045	27th	·155	81·6	94·2		80·7		87·1		13·5	98·7	10th	78·0	30th	20·7
	Madras	22	29·783	+·017	29·736	29·857	9th	29·710	27th	·147	83·6	96·6	+0·9	79·8	+1·1	88·2	+1·0	16·8	101·0	4th	73·0	11th	28·0
33	Cuddapah	433	29·366	+·020	29·737	29·461	9th	29·288	27th	·173	82·5	95·5	+0·2	77·3	−0·7	86·4	−0·3	18·2	102·2	6th	72·6	31st	29·6
	Bellary	1,475	28·319	+·011	29·743	28·416	9th	28·239	2nd	·177	78·0	89·9	−1·0	75·0	+0·4	82·5	−0·3	14·9	95·0	6th	71·8	12th	23·2
	Kurnool	923	28·843	+·002	29·713	28·941	9th	28·765	1st	·176	78·3	91·2	−0·2	74·7	0	83·0	−0·1	16·5	96·7	6th & 8th.	71·1	12th	25·6
34	Nellore	61	29·715	+·031	29·708	29·320	9th	29·633	27th	·187	84·8	96·3	−1·0	79·7	+0·1	88·0	−0·5	16·6	102·3	6th	74·6	16th	27·7
	Masulipatam	15	29·740	+·038	29·690	29·343	9th	29·654	27th	·189	81·9	92·5	−0·2	77·5	−0·6	85·0	−0·4	15·0	97·8	8th	74·1	11th	23·7
	Cocanada	26	29·686	+·029	29·648	29·799	9th	29·591	27th	·208	81·5	91·6	−0·1	77·9	−1·4	84·8	−0·8	13·7	96·6	24th	73·5	11th	23·1
	Waltair (Vizagapatam).	*996*	29·436	+·009	29·604	29·563	8th	29·359	28th	·205	81·7	90·1		78·3		84·2		11·8	97·4	16th	74·9	4th & 11th.	22·5
	Gallingapatam	19	29·629		29·588	29·755	8th	29·554	27th & 31st.	·201													
	Gopalpur	72	29·555	+·017	29·568	29·669	8th	29·471	31st	·198	82·1	87·8	+0·4	79·6	+0·4	83·7	+0·4	8·2	92·7	10th	77·0	11th	15·7

* Mean of 22 days.

N.B.—Elevations in italics indicate barometrical determinations.

†† Mean of 27 days.

‡ ,, ,, 30 ,,

NOTE.—The barometric readings are not reduced to sea-level, in the case of hill or plateau

** Mean of 13 days.

B—*continued.*

in India, etc., in July, 1908—continued.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st July 1908.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																XII.—Hyderabad.
						9	16	6	S 86° W		16·2			89		82*		·700*		9·5		8	11·60	−3·60	4·41	6·58	− 2·17	6·43	12·27	− 5·84	0·99	Aurangabad.
					4	25	1	1	S 43° W		7·1			92		79		·738		6·2		19	15·70	+3·30	13·37	10·53	+ 2·84	17·66	15·46	+ 2·20	2·50	Nizamabad.
3	1				1	18	8		S 58° W		7·6			78		87		·701		5·0		7	12·60	−5·60	5·27	8·80	− 3·53	9·30	15·54	− 6·24	2·10	Bidar.
						18	13		S 64° W	S 84° W	15·6	15·8	−0·2	92	+11	82	+ 3	·712	−·006	9·0	+0·3	13	9·10	+3·90	10·17	5·31	+ 4·86	12·39	12 18	+ 0·21	3·76	Gulbarga.
						25	6		S 52° W	S 50° W	15·7	14·9	+0·8	96	+27	77	+ 2	·701	−·012	8·2	+1·6	8	9·20	−1·20	2·84	5·53	− 2·69	4·05	9·37	− 5·32	0·82	Raichur.
							31		W	N 85° W	9·7	9·9	−0·2	100	+ 8	79	+ 1	·679	−·029	9·1	+1·6	10			4·27	6·73	− 2·46	10·06	12·09	− 2·03	0·64	Hyderabad (Deccan).
2					1	12	14	2	S 72° W		9·9			82		72		·701		8·7		16	12·50	+3·50	10·49			14·19			3·01	Hanumkonda.
																																XIII.—Mysore.
						12	16	3	S 76° W	S 72° W	10·2	11·6	−1·4	92	− 1	87	+ 5	·663	+·004	9·3	0	14	8·60	+5·40	4·51	2·79	+ 1·72	9·29	10·33	− 1·04	0·90	Chitaldroog.
					1	13	13	4	S 74° W	S 87° W	11·9	5·0	+6·9	84	− 5	91	+ 6	·632	+·009	9 8	+1·3	14	12·60	+1·40	6·00	3·25	+ 2·15	11·64	14·03	− 2·39	0·99	Hassan.
						19	12		S 62° W	S 66° W	11·6	9·6	+2·0	89	− 1	88	+ 4	·628	+·009	9·1	+0·9	9	8·20	+0·80	4·12	4·06	+ 0·06	12·58	11·33	+ 1·25	0·77	Bangalore.
					1	18	12		S 61° W	S 67° W	13·6	14·4	−0·8	92	+ 2	84	+ 2	·633	+·001	9·2	+0·7	8	7·30	+0·70	2·01	2·32	− 0·31	14·17	9·50	+ 4·67	0·31	Mysore.
																																XIV.—Madras.
8	1	1	2	2	2	5	5	5	S 77° W	N 76° W	5·3†	3·1	+2·2	27	−13	94	+ 3	·853	−·003	9·8	+0·8	31	27·80	+3·20	64·10	36·03	+28·07	102·44	78·91	+23·53	4·95	Mangalore.
15	2		3	1	2		1	7	N 28° W	N 11° W	4·3	7·9	−3·6	17	− 5	95	+ 4	·823	−·009	9·8	+1·2	30	26·20	+3·80	44·47	29·05	+15·42	74·23	72·44	+ 1·79	3·43	Calicut.
9	4	4	7		3		3	1	N 61° E	N 24° W	5·2†	6·3	−1·1	27	− 5	88	0	·800	−·035	8·9	+0 6	26	23·40	+2·60	30·85	21·21	+ 9·64	63·05	62·59	+ 0·46	2·95	Cochin.
1	7							23	N 35° W	N 18° W	8·7†	9·0	−0·3	92	+13	87	− 1	·802	−·009	8·4	−0·1	17	13·10	+3·90	7·37	6·86	+ 0·51	22·45	28·36	− 5·91	1·11	Trivandrum.
5						2	14	10	N 76° W	N 72° W	5·2	9·3	−4·1	76	− 5	57	− 2	·684	−·013	7·0	+0·2	0	0·60	−0·60	0·04	0·27	− 0·23	1·73	2·20	− 0·47	0·04	Tinnevelly.
					14	13	4		S 29° W	S 51° W	12·1‡	12·0	+0·1	86	+11	81		·910		4·2		1	0·60	+0·40	0·14	0·17	− 0·03	1·28	0·84	+ 0·44	0·14	Pamban.
	2						14	15	N 63° W	N 59° W	10·4	3·8	+6·6	89	+24	60	− 4	·685	−·040	8·0	+2·8	1	3·00	−2·00	0·37	2·06	− 1·69	3·13	5·96	− 2·83	0·18	Madura.
29		1	1						N 63° E		3·8			6		59		·601		5·8		1	1·90	−0·90	0·47	0·69	− 0·22	4·10	4·47	− 0·37	0·31	Periyakulam.
2				1	3	17	8		N 83° W		11·3			81		63		·698		8·5		5			4·29			6·77			1·95	Pudukkottai.
					4	27			S 84° W	S 77° W	8·7	7·4	+1·3	99	+16	67	0	·776	−·001	5·5	−0·3	3	3·50	−0·50	2·02	1·88	+ 0·14	6·82	4·99	+ 1·84	0·95	Negapatam.
				1	14	14	2		S 69° W	S 86° W	11·2†	9·8	+1·4	86	− 1	58	− 4	·666	−·032	6·9	−0·2	2	1·90	+0·10	0·40	1·31	− 0·91	6·85	5·75	+ 1·10	0·39	Trichinopoly.
				3	25	3			S 45° W	S 49° W	12·7	7·3	+6·4	96	+17	78	− 6	·682	−·066	5·5	−1·0	6	3·70	+2·30	1·07	1·23	− 0·16	2·34	5·16	− 2·82	0·20	Coimbatore.
				7	19	5			S 42° W	S 25° W	6·7‡	4·7	+2·0	89	+16	81	+ 3	·774	+·008	8·4	+2·0	7	7·00	0	3·87	3·48	− 0·61	11·34	11·46	+ 0·28	1·11	Salem.
5				2	18	6			S 52° W	S 76° W	8·7¶	2·4	+6·3	79	+ 7	69	− 8	·756	−·116	8·4	+1·9	5	5·50	−0·50	3·60	3·53	+ 0·07	5·34	5·81	− 0·47	1·26	Cuddalore.
2		1	4	15	1	2	4	2	S 39° E		5·6†			45		66		·705		7·0		4	6·30	−2·30	1·68	3·58	− 1·92	6·30	9·22	− 2·92	0·59	Vellore.
3					2	11	14	1	S 68° W	S 72° W	5·8†	7·9	−2·1	79	− 5	71	+ 2	·818	+·026	7·6	+0·2	8	12·70	−4·70	1·73	4·02	− 2·29	2·19	7·13	− 4·94	0·26	Madras.
						2	14	15	N 71° W	S 88° W				89	+10	71	+ 3	·782	+·029	8·9	+1·1	7	6·20	+0·80	2·32	3·72	− 1·40	3·81	8·87	− 5·06	0·52	Cuddapah.
	1				1	10	14	5	S 82° W	S 87° W	10·4†	11·9	−1·5	82	− 8	66	+ 1	·635	−·012	8·5	+0·3	3	3·70	−0·70	0·78	1·68	− 0·90	2·77	5·44	− 2·67	0·24	Bellary.
						26	2	3	S 54° W	S 87° W	14·7†			89	+17	76	+ 4	·720	0	7·5	−0·6	13	9·30	+3·70	5·24	4·95	+ 0·29	8·81	9·26	− 0·45	1·12	Kurnool.
1				2	7	16	5		S 82° W	N 78° W	8·5†	10·0	−1·5	79	+ 7	61	− 7	·716	−·092	9·0	+1·4	5	4·80	+0·20	2·39	2·84	− 0·45	2·82	4·43	− 1·61	0·98	Nellore.
1					2	18	10		N 78° W	N 69° W	10·2	8·7	+1·5	89	+ 7	86	+ 7	·933	+·061	9·2	+1·2	11	9·40	+1·60	6·75	5·65	+ 1·10	8·19	11·75	− 3·56	1·50	Masulipatam.
2						17	12		S 63° W	S 74° W	8·3	8·4	−0·1	86	+ 2	83	+ 6	·862	+·058	8·0	0	7	9·90	−2·90	2·10	5·94	− 3·84	5·11	11·63	− 6·52	0·44	Coconada.
		1				23	7		S 54° W	S 75° W	13·3			89	+ 9	73	− 3	·792	−·075	9·2	+0·9	8	7·70	+0·30	2·88	4·53	− 1·65	5·08	10·83	− 5·75	0·67	Waltair (Vizagapatam).
3	1				2	16	7	2	S 61° W		9·3			71						4·4		6			3·95			11·34			1·95	Calingapatam.
4	2				5	16	4	2	S 53° W	S 49° W	11·7	12·7	−1·0	69	+ 4	84	− 1	·915	−·015	6·6	−1·7	8	9·40	−1·40	5·80	7·75	− 1·95	13·48	15·99	− 2·51	2·12	Gopalpur.

stations, the elevations of which exceed 3,000 feet.

† Uncorrected.

¶ Mean of 20 days.

‖ „ „ 29 „

Table

(2) *Abstract of observations taken at 8 hrs., at 240 stations*

Number of subdivisions	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Stations in the Bay																						
1	P. V. Fraser	*8*	29·617*		29·543*	29·685	29th	29·525	31st	·160	82·8												
	Car Nicobar	25	29·863		29·815	29·927	9th	29·791	23rd	·136	81·1	85·5		76·6		81·1		8·9	87·7	19th	73·1	11th & 23rd	14·6
	Port Blair	58	29·793	+·025	29·731	29·892	5th	29·701	31st	·191	79·7	84·1	—1·3	76·2	—1·2	80·2	—1·3	7·9	86·7	7th & 9th.	73·5	1st & 20th.	13·2
	Slipper Island	90	29·712		29·735	29·813	4th	29·622	23rd	·191	80·9	85·2		77·1		81·2		8·1	87·1	21st	73·6	31st	13·5
	Kashmir.																						
14	Srinagar	5,204	24·670	+·003	24·641	24·782	8th	24·539	31st	·243	73·9	88·8	+3·9	67·6	+3·0	78·3	+3·5	21·2	96·6	6th	56·1	1st	40·5
	Gulmarg	*8,569*	21·780		21·748	21·876	9th	21·673	15th	·203	62·7	71·7		52·7		62·2		19·0	79·7	7th	44·3	1st	35·4
	Sonemarg	*8,764*	21·743		21·711	21·839	3rd	21·629	31st	·210	56·7	72·9		51·5		62·2		21·4	81·4	7th	44·1	4th	37·3
	Dras	*10,053*	20·714		20·682	20·848	4th	20·623	14th & 31st.	·225	61·9	81·3		51·1		66·2		30·2	88·9	16th	42·0	4th	46·9
	Leh	11,503	19·658	+·015	19·626	19·807	4th	19·551	14th	·256	60·5	76·7	—1·5	52·2	+1·6	69·5	+0·1	24·5	85·6	22nd	43·5	1st	42·1
	Skardu	*7,595*	22·682		22·652	22·844	3rd & 4th	22·550	31st	·294	71·2	90·0		62·5		76·3		27·5	97·9	13th	52·6	1st	45·3
	Minimarg	*9,359*						Observations not received.															
	Astor	*7,955*							Ditto		ditto.												
	Gilgit	4,890	24·866		24·839	25·020	3rd	24·720	31st	·300	82·4	99·5	+2·9	72·3	—1·0	85·9	+1·0	27·2	108·7	6th	63·2	27th	45·5
	Baluchistan.																						
16	Quetta	5,502	24·431	+·005	24·391	24·518	4th	24·355	31st	·163	79·0	93·5	+0·8	69·0	+4·3	81·3	+2·6	24·5	100·1	6th & 7th.	65·8	5th & 25th.	34·3
	Chaman	4,311	25·415	—·024	25·377	25·509	4th	25·341	31st	·168	85·1	101·6	+0·1	77·6*	+2·5*	89·7*	+1·3*	24·0	108·8	6th	70·8	27th	38·0
	Rebat		26·585		26·543	26·721	24th	26·485	7th & 8th.	·236	92·3	108·4		80·5		94·5		27·9	115·0	13th	71·7	2nd	43·3
	Hill Stations excluding Kashmir and Baluchistan.																						
	Chitral	*5,486*									80·3	100·9		67·7		84·3		33·2	105·2	6th & 7th.	59·0	2nd & 3rd.	46·2
	Para Chinar	6,000	24·249¶		24·216¶	24·439	23rd & 24th.	24·102	14th	·337	77·1	97·7		67·1		77·4		20·6	98·7	7th	60·8	1st	37·9
	Cherat	*4,256*	25·496	+·014	25·464	25·622	9th	25·386	5th	·236	75·0	84·9	—3·7	70·2	—0·5	77·5	—2·1	14·7	103·1	6th	63·5	22nd & 26th.	39·6
	Murree	6,393	23·722	+·016	23·690	23·835	9th	23·626	31st	·209	66·7	78·8	—3·2	61·5	—1·0	67·7	—2·1	12·3	92·5	6th	55·5	15th	37·0
	Kailang	*10,083*	20·869		20·824	20·968	4th	20·749	31st	·209	60·3	76·4	+2·4	52·0	+0·9	64·2	+1·7	24·4	83·6	6th	44·0	1st	39·6
	Simla	7,224	22·997	+·028	22·959	23·096	9th	22·888	31st	·208	63·1	68·7	—0·5	60·1	0	64·4	—0·3	8·6	76·7	6th	53·3	1st	23·4
	Sanain		23·048			23·134	9th	22·928	31st	·206	65·0	72·5		59·4		66·0		13·1	79·4	6th	56·3	23rd	23·1
	Kalabagh		20·086			20·161	9th	19·983	31st	·178	52·2	58·9		48·4		53·7		10·5	65·2	8th	41·1	1st	24·1
	Chakrata	7,022	23·182	+·040	23·142	23·277	9th	23·058	31st	·219	63·3	70·4	+0·5	60·1	—0·1	65·3	+0·2	10·3	75·3	6th	57·2	2nd	18·1
	Muktesar	7,592	22·735		22·694	22·840	9th	22·634	31st	·206	61·8	69·8		57·5		63·7		12·3	76·0	28th	54·0	2nd & 3rd.	22·0
	Darjeeling	7,376	22·929	+·010	22·884	22·998	9th	22·851	16th	·147	61·9	68·0	+2·0	57·8	+0·1	62·9	+1·1	10·2	72·3	22nd	55·2	9th	17·1
	Shillong	4,920	24·977		24·929	25·073	9th	24·899	15th	·174	68·2	74·7		63·6		69·2		11·1	79·9	19th, 20th & 22nd	60·2	5th	19·7
	Cherra Poonjee	4,309	25·540		25·491	25·635	9th	25·460	18th	·175	68·2	77·4		65·0		68·2		6·4	75·7	3rd, 22nd & 23rd.	63·3	5th, 9th & 12th.	12·4
	Maymyo	3,545	26·303		26·243	26·389	9th	26·215	18th	·174	70·9	78·6		67·5		73·0		11·0	81·4	1st, 21st & 22nd.	65·6	12th	15·8
	Bachmarhi	3,528	26·210	—·009	26·157	26·333	9th	26·147	1st	·186	68·5	75·4	—0·4	67·1	—0·9	71·3	—0·7	8·3	82·7	3rd	65·6	4 days	17·1
	Mount Abu	3,945	25·802	—·014	25·752	25·866	10th	25·738	7th	·128	67·6	71·7	—2·9	65·7	0	68·8	—1·5	6·0	82·2	2nd	63·9	28th & 31st.	18·3
	Mercara	3,781	26·158	—·009	26·091	26·215	9th & 10th.	25·108	26th	·107	68·6	68·7	—2·2	61·4	—0·8	64·1	—1·5	5·8	71·0	11th	59·0	31st	12·0
	Coimbatore	*7,329*	22·986		22·922	23·047	9th	22·911	1st	·136	55·4	81·3		52·0		56·7		9·8	66·5	6th, 8th & 10th.	43·7	15th	22·8
	Kodaikanal	7,683	22·788		22·723	22·867	6th	22·739	1st	·137	56·2	62·1		52·2		57·2		9·9	66·6	5th	50·0	30th	16·5

* Mean of 30 days

¶ „ „ 28 „

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill

N.B.—Elevations in italics indicate barometrical determinations.

B—*continued.*

in India, etc., in July, 1908—continued.

Wind direction. Number of winds from Calms	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st July 1908.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July 1908.	Heviest rainfall during month.	Station.
25	25	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Stations in the Bay.
1			1	2	6	15	4	2	S 39° W					68		92		1·038		7·9		12			6·00			17·23			1·31	P.V.Fraser.
					5	24	2		S 41° W		4·5			94		86		·916		9·2		14			7·29			26·76			2·08	Car Nicobar.
2					5	11	12	1	S 59° W	S 61° W	11·0†	11·6	—0·6	76	— 5	87	0	·882	— ·045	8·8	+0·3	18			18·94	15·68	+ 3·26	68·38	51·42	+16·96	2·16	Port Blair.
1					7	15	8		S 46° W		26·7			86		93		·972		9·4		18			11·55			38·72			2·66	Slipper Island.
																																Kashmir.
11	3			4	4	1	3	5	S 77° W	S 48° E	3·7	3·9	—0·2	13	— 9	78	— 7	·653	+ ·011	4·4	—0·2	4	5·30	—1·30	1·52	2·97	— 1·45	3·90	7·36	— 3·46	0·57	Srinagar.
4	2	13	3	2	1	5		1	N 57° E		6·7			37		80		·461		4·9		10			4·05			7·04§			1·35	Gulmarg.
9	4	15	3						N 43° E		4·3			69		64		·295		4·5		8			3·27			9·65			0·86	Sonemarg.
30			1						E		6·9			3		58		·323		2·8		0	0·90	—0·90	0·11	0·48	— 0·37	3·03	4·01	— 0·98	0·07	Dras.
31									(*a*)	S 85° W	2·5†	2·1	+0·4			53	+ 1	·285	+ ·030	4·4	+0·2	0	1·20	—1·20	0·17	0·40	— 0·23	0·40	0·79	— 0·39	0·07	Leh.
28			2	1					S 75° E		4·4			10		43		·321		2·4		0	0·70	—0·70	0·07	0·32	— 0·25	2·87	1·76	+ 1·11	0·04	Skardu.
											Observations not received.																					Minimarg.
											Ditto							ditto.														Astor.
28			1			1	1		S 45° W		1·2			3		45	— 1	·485	+ ·034	2·8	—1·3	4	2·00	+2·00	0·72	0·84	—0·12	3·33	1·76	+ 1·57	0·21	Gilgit.
																																Baluchistan.
20				3	5	2	1		S 2° W	S 6° W	3·7	3·3	+0·4	27	+20	59	+ 2	·572	+ ·035	2·5	+1·4	4	0·60	+3·40	0·99	0·98	+ 0·01	1·01	1·57	— 0·56	0·34	Quetta.
5	2		1	1	4	13	2	3	S 50° W	S 33° W	7·8	9·4	—1·6	53	— 7	37	+ 3	·454	+ ·026	1·6	+1·0	0	0·30	—0·30	0	0·14	— 0·14	0	0·28	— 0·28	0	Chaman.
1	1		1		3	8	17		S 70° W		8·3			76		65		·936		0·4		0			0			0			0	Robat.
																																Hill stations exclud-ing Kashmir and Baluchistan.
29		1						1	N		11·5			5		57		·596		1·9		0			0			1·68			0	Chitral.
29					2				S		4·9			6		62		·574		4·5		4	7·80	—3·80	2·96	3·61	— 0·85	6·49	7·26	— 0·77	1·56	Para Chinar.
26	1			1	3				S 15° E	S 18° E	5·0	9·1	—4·1	10	—22	78	+ 6	·666	+ ·033	5·1	+0·9	9			4·83	4·88	— 0·05	5·67	6·82	— 1·15	1·50	Cherat.
12			2		8		2	1	S 18° E	S 86° E	7·0	6·1	+0·9	5	0	87	+10	·576	+ ·159	6·7	+2·0	18	16·20	+1·80	18·36	11·85	+ 6·51	22·61	18·34	+ 4·27	2·65	Murree.
					2	3	15	7	S 58° W		1·1†	2·1	—1·0	71		72		·360		6·0		2			0·44	1·30	— 0·86	3·24	5·22	—1·98	0·12	Kallang.
5	10	1			12			3	N 58° W	N 31° E	3·2	3·6	—0·4	3	—16	90	+ 2	·521	+ ·009	8·3	—0·1	20	18·90	+1·10	17·52	16·84	+ 0·68	20·58	27·75	—7·17	2·85	Simla.
24	1	3	2			1			N 59° E		1·9			10		82		·503		7·6		21			10·39			15·12			1·46	Sarain.
10	10				5	3		3	N 39° W		4·7			23		88		·356		8·6		20			13·02			19·01‖			1·86	Kalabagh.
15	5			1	10				S 7° E	S 48° W	5·3	6·2	—0·9	20	+ 9	92	+ 1	·545	+ ·008	7·0	+1·1	24	19·80	+4·20	23·23	20·07	+ 3·16	28·83	31·27	—2·44	3·86	Chakrata.
12		3	6	6	1		3		S 72° E		5·9			30		92		·501		8·5		18			8·87			13·69			1·29	Muktesar.
4	3	9	4	3	1		3	4	N 36° E	S 83° E	2·7	3·6	—0·9	37	+ 7	94	— 3	·527	+ ·003	8·6	—1·0	24	22·94	+1·06	24·76	38·50	—11·75	49·51	66·05	—16·54	2·62	Darjeeling.
26		2			1	2			S		2·4			3		87		·605		7·8		19	18·00	+1·00	18·19	13·19	0	35·98	39·21	— 3·23	3·10	Shillong.
6		2	3	5	6	7	1	1	S 6° E		4·4			40		99		·643		9·7		30	27·30	+2·70	65·50	96·70	—31·20	165·89	248·19	—82·30	7·85	Cherra Poonjee.
10		1			7	10	3		S 35° W		3·2			53		86		·659		8·8		3	12·10	—9·10	1·70	7·97	— 6·27	21·11	25·59	— 4·48	0·70	Maymyo.
1						10	14	6	S 84° W	S 85° W	13·0	10·8	+2·2	82	+ 7	92	+ 2	·648	—·017	9·5	+0·7	26	22·00	+4·00	30·50	25·11	+5·39	40·91	36·53	+ 4·38	2·81	Pachmarhi.
1	1			4	4	19	1	1	S 24° W	S 55° W	11·1	11·5	—0·4	72	+ 4	97	+ 1	·660	+ ·015	9·9	+0·9	31	17·60	+13·40	69·44	23·23	+46·21	72·55	30·43	+42·12	10·72	Mount Abu.
						8	22	1	S 80° W	N 84° W	7·9†	9·8	—1·9	92	+ 2	100	+ 4	·580	—·007	10·0	+1·2	31	29·10	+1·90	54·88	40·35	+14·53	74·50	73·48	+ 1·02	5·26	Mercara.
3						4	21	3	S 88° W		8·9			86		88		·389		9·5		17	12·30	+4·70	5·58	5·94	— 0·36	14·99	18·05	— 3·06	0·49	Ootacamund
					2	2	17	10	N 82° W		17·1†			82		82		·373		7·4		13	8·40	+4·60	5·01	3·89	+ 1·12	12·42	14·37	— 1·95	1·15	Kodaikanal.

† Uncorrected. (*a*) Indeterminate. ‖ Rainfall since 12th May 1908. § Rainfall since 29th May 1908.

or plateau stations, the elevations of which exceed 3,200 feet.

Tabl

(2) *Abstract of observations taken at 8 hrs., at 240 statio*

Number of sub-division.	Station.	Elevation of bar: cistern above sea-level in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Extra India.																						
	Singapore (*a*)	10	29·943		29·874	30·001	9th	29·872	31st	·129	82·2	86·8		73·6		80·2		13·2	90·0	3rd	71·5	6th	18·
	Penang (*a*)	20	29·908		29·853	29·960	11th	29·826	30th	·134	81·2	89·9		74·0		82·0		15·9	92·0	4 days	71·0	24th	21·
	Trincomalee	12	29·869	+·057	29·807	29·931	8th & 9th.	29·792	28th	·139	75·1	92·4	+0·8	77·5	−0·1	85·0	+0·4	14·9	96·0	8th	74·5	7th	21·
	Colombo	40	29·888	+·013	29·854	29·930	9th	29·829	28th	·101	78·1	86·0	+0·6	77·0	−0·6	81·5	0	9·0	88·0	5 days	73·0	20th	15·
	Minicoy	7	29·931			29·985	9th	29·873	1st & 26th.	·112													
	Amini Divi	*13*	29·881	+·013	29·822	29·938	9th	29·822	2nd	·116	80·9	85·3	+0·3	76·4	−1·1	80·9	−0·4	8·9	89·2	10th	72·0	17th	17·
	Gyantse	13,120	18·545			18·589	8th	18·497	31st	·092	55·3	74·9		43·6		59·3		31·3	83·7	23rd	32·9	17th	50·
	Pharijong	14,400	17·911*d*			17·945	3rd	17·848	15th	·097	47·3	61·1		36·5		48·8		24·6	67·6	18th	30·2	17th	37·
	Gangtok	5,660?	24·286§			24·370	9th	24·217	5th	·153	67·2	75·4		62·6		69·0		12·8	80·3	22nd	60·5	9th & 14th.	19·
	Gartok	15,100?				Observatory not opened.																	
	Kashgar (*c*)	4,255	25·364			25·550	4th	25·240	7th	·310	82·4	96·5	+5·0	71·8	+3·2	84·2	+4·1	24·7	102·1	7th	62·5	3rd	39·
	Kabul		24·077*d*		24·046*d*	24·190	3rd	23·958	14th	·232	82·5	96·6	+4·3	62·4	+0·8	79·5	+2·6	34·2	101·1	5th, 6th & 13th.	53·4	2nd	47·
	Meshed	3,104	26·600			26·695	2nd	26·502	11th	·193	79·1	94·9 (*c*)		58·7 (*c*)	−6·8	76·8 (*c*)		36·2	101·6	12th	52·3	27th	49·
	Jask (*d*)	13	29·498	−·032	29·468	29·583	2nd	29·389	7th	·194	88·5	94·4	−1·4	85·9	+1·1	90·1	−0·2	8·5	96·3	4th & 7th.	83·3	1st	13·
	Muscat	20	29·485	−·031	29·453	29·541	9th	29·393	7th	·148	86·7	92·4	+1·0	84·8	−2·7	88·6	−0·9	7·6	108·3	7th	77·1	28th	31·
	Bahrein	18	29·510§		29·480§	29·577	4th	29·437	10th	·140	(*e*) 90·4	?		(*e*) 84·6		?		?	?		79·9	18th	?
	Bushire	14	29·452	−·029	29·425	29·530	4th	29·373	7th	·157	68·3	92·8	−2·5	84·6	+0·3	88·6	−1·1	8·2	97·1	26th	78·1	3rd	19·
	Busrah	25	29·491		29·474	29·588	4th	29·416	31st	·172	85·3	99·9		77·5		88·7		22·4	103·4	24th & 25th,	73·6	22nd	29·
	Ispahan (*b*)‡	*5,817*	24·106			24·230	1st & 3rd.	22·950	20th & 21st	·280	75·9	98·2	−0·1	68·6	+2·4	83·4	+1·2	29·6	102·4	20th & 21st.	60·7	2nd	41·
	Tehran (*b*)	*4,002*	25·502			25·650	1st, 2nd & 3rd.	25·350	17th, 18th & 20th.	·300	81·4	102·9	+4·5	74·9	+2·7	88·9	+3·6	28·0	108·6	12th & 13th.	65·8	15th	42·
	Baghdad	220	29·401‖	−·030‖	29·589‖	29·472	11th	29·301	22nd	·171	84·9	106·8	−0·4	79·4	0	93·1	−0·2	27·4	112·7	24th	73·6	21st	39·
	Beirut				29·744						80·8	87·1		72·4		79·8		14·7	83·3	18th & 21st.	70·0	27th & 28th.	18·
	Aden	94	29·626	+·006	29·651	29·672	6th	29·534	26th	·138	84·4	93·1	0	80·3	−2·0	86·7	−1·0	12·8	93·8	3rd	71·9	27th	26·
	Perim	201	29·513	−·012	29·645	29·590	24th	29·442	27th & 31st.	·148	89·2	95·9	−0·5	84·8	+1·4	90·3	+0·5	11·1	101·5	5th	82·4	27th	19·
	Zanzibar	72	30·106	+·007	30·105	30·155	21st & 24th.	30·057	7th	·098	74·9	81·0	+0·8	73·1	+0·4	77·1	+0·8	7·9	82·9	4th	69·8	15th	13·
	Do. Dunga¶	*154*	29·954		30·038	29·983	22nd	29·923	7th	·060	73·7	80·1		73·3		76·7		6·8	83·0	1st, 2nd & 4th.	68·8	9th	14·

N.B.—Elevations in italics indicate barometrical determinations.
NOTE—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations the elevations of which exceed 3,200 feet.
‡ 7 hrs. observations. § Mean of 28 days.

(*a*) 9 hrs. observations.
(*b*) Aneroid uncorrected.
(*c*) „ corrected.
‖ Mean of 22 days.
¶ „ „ 26 „

B—*concluded.*

***in India, etc., in July, 1908*—concluded.**

Wind direction. Number of winds from Calms	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity miles per hr.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st July 1908.	Normal rainfall for period, 1st May to 31st July	Departure from normal of period, 1st May to 31st July 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																															Extra India.	
8			3	9	3	3	2	3	S 18° E		6·1*			30						6·6		10			6·24			19·54			1·61	Singapore.
	5	9	10	5	1			1	N 69° E		10·3*			69						0·8		12			7·06			33·01			2·05	Penang.
						31			S 45° W	S 45° W	10·1*	16·3	- 6·2	100	0	85	+ 7	·833	—·034	3·3	+ 0·1	1			0·25	1·97	—1·72	2·21	5·94	—3·73	0·21	Trincomalee.
						23	8		S 56° W	S 65° W	6·0*	9·3	—3·3	92	+ 9	85	+ 6	·859	+ ·007	7·7	+ 1·5	4			1·24	4·83	—3·59	15·81	24·18	- 8·37	0·68	Colombo.
						3	23	5	N 88° W	N 87° W	14·2	17·0	—2·8	94	+ 7					7·0	+ 0·8	13			7·29	6·66	+0·63	31·81	21·66	+10·15	1·80	Minicoy.
						11	18	2	S 77° W					90		84		·883		8·5		16			18·13			39·18			3·28	Amini Divi.
				9	15	6	1		S 2° E		1·1			84		60		·265				3			1·57			3·31			0·66	Gyantse.
11	3			6	10	1			S 18° E †		9·4			65		81		·264		5·2		12			3·20			13·92			0·43	Pharijong.
29					2				S		1·0			6		94		·623		2·9		28			23·64			55·52			2·56	Gangtok.
																	Observatory not opened.															Gartok.
28								3	N 45° W	N 52° W	4·3	4·9	—0·6	10	+ 3	36	—7	·393	—·018	0·1	-3·3	0			0	0·29	-0·29	0·50	1·48	—0·98	0	Kashgar.
	8	11	1		1	1	5	4	N 1° E	S 68° E				14	+11	45		·505		0	-0·2	0			0·06	0·20	-0·14	0·18	0·95	— 0·77	0·06	Kabul.
24	3	1		2	1				N 63° E		1·7 (e)			6		44		·439		0·2	-0·3	0			0	0·01	-0·01	2·92	0·98	+ 1·94	0	Meshed.
3			16	10		1			S 71° E	S 66° E	12·3	15·2	-2·9	76	+19	81	+9	1·091	+·062	3·0	+1·3	0			0	0·02	-0·02	0	0·13	— 0·13	0	Jask.
25	1	1		4					S 72° E **	N 72° E	3·4	4·6	—1·2	13	-33	82 (e)	+6	1·053 (e)	+·022	6·6	+4·1	0			0	0·04	—0·04	0	0·40	- 0·40	0	Muscat.
	2					1	8	13	N 59° W		7·5§			83		70		·999		0		0			0			0			0	Bahrein.
8			1	1	1	1	6	13	N 64° W	N 37° W	10·9	8·5	+2·4	49	+ 5	77	+13	·989	+·073	1·3	-0·6	0			0	0	0	0·07	0	+ 0·07	0	Bushire.
			2	1			10	18	N 65° W		8·1			74		65		·790		0		0			0			0·25			0	Busrah.
25		1					4	1	N 76° W	N 49° W	2·0	3·6	—1·6	13	-19	48	—1	·440	—·086	2·0	+1·2	0			0	0·06	—0·06	0·23	0·17	+ 0·06	0	Ispahan.
	7	8	4		5	4	2	1	N 34° E	S 44° W	4·8	2·3	+2·5	23	+ 2	59	+24	·623	+·227	0·4	—0·6	0			0	0·41	—0·41	0·39	0·78	—0·39	0	Tehran
1	1						9	20	N 57° W	N 11° W	12·8	4·6	+8·2	90	+16	40	-2	·476	—·105	0	0	0			0	0	0	0·11	0·24	—0·13	0	Baghdad.
						31			S 45° W					100		65		·678		0·8		0			0			1·05			0	Beirut.
2		3	1	11	12	1	1		S 27° E	S 12° W	12·9	10·6	+2·3	66	+14	73	+2	·858	—·020	2·8	—0·9	0			0·01	0·03	—0·02	0·01	0·23	— 0·22	0·01	Aden.
	2						4	25	N 48° W	S 86° W	16·9	15·3	+1·6	97	+50	59	—6	·819	—·067			0			0·02	0·03	—0·01	0·02	0·40	—0·38	0·02	Perim.
2				2	15	11	1		S 32° W	S 15° W	7·9 ††	8·2	—0·3	90	0	86	+1	·741	+·025	6·7		8			4·02	2·74	+1·28	21·60	14·43	+ 7·17	1·30	Zanzibar.
2				1	1	18	6		S 53° W		4·7			81		94		·786		4·2		7			3·51			20·97			0·80	Do. Dunga.

(d) Mean of 30 days. † Mean of 20 days.
(e) ,, ,, 29 ,, †† ,, ,, 25 ,,
* Uncorrected. ** ,, ,, 24 ,,

Table C.—Abstract of observations taken at 8 hrs. at 27 fourth-class stations in India, etc., in July, 1908.

Table

Abstract of observations taken at 8 hrs.

Number of subdivisions	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from Calm.	N.	NE.	E.	SE.	S.	SW.	W.	NW.	Resultant direction.	Normal direction.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	II.—Eastern Bengal and Assam.																								
4	Bishnath	78·7	90·1	...	71·2	...	80·7	...	18·9	95·5	19th & 23rd	67·6	13th	27·9	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	80·5	90·5	...	75·8	...	83·2	...	14·7	94·7	19th	72·4	13th	22·3	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	80·6	89·5	...	75·6	...	82·6	...	13·9	98·4	13th	73·5	15th	24·9	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	77·7	87·1	...	73·1	...	80·1	...	14·0	93·4	10th	68 2	5th	25·2	...	...	...	...	...	...	...	...	...	...	...
	Dikom	78·3	88·5	...	75·5	...	82·0	...	13·0	96·2	19th	70·4	5th	25·8	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	80·3	89·5	...	75·9	...	82·7	...	13·6	96·4	4th	71·9	21st & 22nd.	24·5	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	78·9	89·4	...	75·3	...	82·4	...	14·1	93·2	10th	72·0	1st	21·2	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	80·7	89·8	...	76·0	...	82·9	...	13·8	94·9	19th	72·0	5th	22·9	...	...	...	...	...	...	...	...	...	...	...
	Messa	83·5	94·5	...	75·8	...	85·2	...	18·7	97·9	10th & 19th.	71·9	21st	26·0	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	76·4	90·1	...	75·0	...	82·6	...	15·1	95·1	19th	72·5	17th	22·6	...	...	...	...	...	...	...	...	...	...	...
	Srimangal	80·7	89·9	...	76·1	...	83·0	...	13·8	94·9	21st	74·2	2nd	20·7	...	...	...	...	...	...	...	...	...	...	...
5	Brahmanbaria	81·0	87·7	...	76·6	...	82·2	...	11·1	91·6	24th	72·9	22nd	18·7	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	79·0	92·3	...	75·5	...	83·9	...	16·8	95·7	8th	73·1	16th	22·6	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	82·8	88·2	...	77·2	...	82·7	...	11·0	91·3	4th	75·2	7th	16·1	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	82·2	89·6	...	75·0	...	82·3	...	14·6	95·8	8th	72·4	11th	23·4	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	78·5	90·5	...	75·1	...	82·8	...	15·4	94·1	18th & 26th	72·0	11th	22·1	...	...	...	...	...	...	...	...	...	...	...
	Pabna	83·0	90·0	...	77·0	...	83·5	...	13·0	93·5	5th	74·9	6th & 8th.	18·6	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
6	Fraserganj	Register not received.																							
	XI.—Central Provinces.																								
24	Chhindwara	74·7	82·2	...	71·6	...	76·9	...	10·6	87·7	4th	68·4	12th	19·3	...	1	...	...	...	1	6	15	8	N 88° W	...
	Hill Stations.																								
	Panighatta	80·7	89·2	...	74·5	...	81·9	...	14·7	92·7	25th	71·7	16th	21·0	...	..	...	...	...	...	...	...	...	...	...
	Kurseong	67·7	73·1	...	64·6	...	68·9	...	8·5	76·6	23rd	63·1	25th	13·5	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	76·4†	...	60·4†	...	68·4†	...	16·0	87·0	6th	51·4	3rd	35·6	14	...	...	...	4	3	5	...	...	S 5° W	...
	Kargil	68·9	90·3	...	52·5	...	71·4	...	37·8	98·3	14th	46·4	27th	51·9	...	1	2	...	...	1	9	7	11	N 81° W	...
	Killa Drosh	81·4	99·7	...	78·9	...	89·3	...	20·8	105·2	6th to 13th	73·0	1st	32·2	21	...	...	1	...	...	...	4	5	N 60° W	...
	Pishin	...	96·3	...	71·8	...	84·1	...	24·5	103·6	6th & 7th	65·1	28th	38·5	...	...	...	...	...	...	...	...	...	...	...
	Kalat	75·1	91·2	−1·9	61·9	+8·7	76·6	+3·4	29·3	97·1	6th	54·9	1st	42·2	...	4	...	4	...	21	...	2	...	S 7° E	...
	Extra India.																								
	Maidan	...	117·3	...	...	...	...	...	...	124·1	31st	...	...	...	...	...	...	1	...	...	18	13	...	S 67° W	...
	Birjand	82·0	93·5	...	73·4	...	83·5	...	20·1	98·9	11th	60·7	27th	38·2	1	1	11	2	...	5	...	1	1	N 58° E	...
	Chumbi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

† Mean of 28 days.

C.

at 27 fourth-class stations in India, etc., in July, 1908.

WIND VELOCITY.			WIND STEADINESS.		HYGROMETRY, 8 HRS.				CLOUD.		RAINFALL.									HEAVIEST RAINFALL DURING MONTH.	STATION.
Mean velocity, miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st July 1908.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July 1908.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Eastern Bengal and Assam.
...	...	...	...	...	98	...	·963	...	...	...	20	...	...	14·58	...	...	40·85	...	...	3·42	Bishnath.
...	...	...	...	...	90	...	·948	...	...	...	18	...	...	16·74	...	...	41·32	...	...	3·70	Borjuli.
...	...	...	...	...	88	...	·931	...	...	...	28	...	...	22·96	...	...	48·50	...	...	4·39	Chandkhira.
...	...	...	...	...	95	...	·907	...	...	...	26	...	..	26·23	...	...	58·30	...	...	3·34	Doom Dooma.
...	...	...	...	...	93	...	·901	...	...	...	21	...	...	20·55	...	...	53·17	...	...	4·98	Dikom.
...	...	...	...	...	92	...	·953	...	...	...	19	...	...	13·87	...	...	26·06	...	...	2·28	Golaghat.
...	...	...	...	...	92	...	·902	...	...	...	27	...	...	19·02	...	...	43·32	...	...	2·52	Hailakandi.
...	...	...	...	...	88	...	·924	...	...	...	20	...	...	17·91	...	...	37·55	...	...	4·00	Jorehat.
...	...	...	...	...	83	...	·963	...	...	...	26	...	...	34·76	...	...	51·78	...	...	5·99	Messa.
...	...	...	...	...	96	...	·872	...	...	...	12	...	...	7·08	...	...	24·30	...	...	1·45	Panerihat.
...	...	...	...	...	88	...	·929	...	...	...	20	...	...	11·76	...	...	38·47	...	...	3·08	Srimangal.
...	...	...	...	...	87	...	·920	...	...	...	19	...	...	12·69	...	...	32·37	...	...	2·66	Brahmanbaria.
...	...	...	...	...	91	...	·907	...	...	...	22	...	...	28·56	...	...	72·58	...	...	4·13	Dam Dim.
...	...	...	...	...	86	...	·966	...	...	...	13	...	...	7·44	...	...	27·56	...	...	2·06	Goalundo.
...	...	...	...	...	84	...	·941	...	...	...	23	...	...	31·48	...	...	73·53	...	...	6·97	Kalchini.
...	...	...	...	...	93	...	·900	...	...	...	26	...	...	34·65	...	...	73·21	...	...	8·00	Nagrakata.
...	...	...	...	...	86	...	·978	...	...	...	18	...	...	22·20	...	...	46·42	...	...	6·34	Pabna.
																					III.—Bengal.
					Register not received.																Fraserganj.
																					XI.—Central Provinces.
8·3	...	...	81	...	87	...	·751	...	...	...	16	...	...	9·34	...	...	17·33§	...	...	1·21	Chhindwara.
																					Hill Stations.
...	...	...	...	...	84	...	·881	...	...	...	21	...	...	33·62	...	...	64·04	...	...	4·90	Panighatta.
...	...	...	...	...	95	...	·640	...	...	...	30	...	...	46·29	...	...	84·67	...	...	5·94	Kurseong.
...	...	...	39	...	...	...	...	...	6·0†	...	3	...	...	0·52	1·14	—0·62	1·58	2·12	—0·54	0·18	Poo.¶
...	...	...	65	...	36	...	·252	...	2·6	...	1	...	...	0·10	...	...	2·67	...	...	0·10	Kargil.
...	...	...	26	...	59	...	·634	...	2·1	...	0	...	...	0	...	...	2·19	...	...	0	Killa Drosh.
...	...	...	...	...	...	...	...	...	0·7	...	1	...	...	0·14	0·08	+0·06	0·17	0·30	—0·13	0·14	Pishin.
...	...	...	55	...	63	...	·550	...	...	...	6	...	...	2·39	0·62	+1·77	2·39	1·34	+1·05	0·60	Kalat.
																					Extra India.
...	...	...	85	...	...	...	...	...	0·3	...	0	...	...	0	...	...	0·15	...	...	0	Maidan. ††
13·8‡	...	...	41	...	25†	...	·279†	...	0·2	...	0	...	...	0	...	...	0	...	...	0	Birjand.‖
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chumbi.

‡ Mean of 4 days.
§ Total rainfall from 1st June to 31st July 1903.
‖ Wind observations 6 less and variables 2.
¶ Wind observations 3 less. †† Wind observations 27 and variables 4.

The lines of the above chart represent isobars or lines of equal barometric pressure, the numbers attached indicating the barometric pressure in inches and being drawn for differences of pressure of ·05 inch. The isobars in the Bay of Bengal are filled in by means of the shore observations, and by comparison with the normal distribution of pressure.

The mean 8 hrs. wind directions of the month are shewn by means of arrows flying with the wind, and are calculated by means of Lambert's formula applied to the winds as given in Table B of the 8 hrs. observations. The mean wind directions for the hill stations are indicated by broken arrows to distinguish them from the wind arrows for the plain stations. The mean velocity of the winds during the month is shewn by the following notation:—

Velocity of	0 to 2	miles	per hour	one	feather added to the wind arrow.				
,,	,, 2 to 5	,,	,,	two	feathers	,,	,,	,,	,,
,,	,, 5 to 10	,,	,,	three	,,	,,	,,	,,	,,
,,	,, 10 to 20	,,	,,	four	,,	,,	,,	,,	,,
	over 20	,,	,,	five	,,	,,	,,	,,	,,

Zinco., S. I. O., Calcutta.
Reg. No. 1633 E., 08.—Dir. Genl., Observatories.—May 08.—2,050.

The chart shows the departure from normal of the mean during the month of 8 hrs. pressure by means of lines drawn for equal amounts of departure. The numbers are given in thousandths of an inch, 20 representing ·020′ or two hundredths of an inch, &c. Continuous lines indicate that the pressure was in excess by amounts indicated by the numbers attached to the lines, and broken or dotted lines that it was in defect by amounts indicated by the numbers attached to the lines. Two parallel lines near to each other, one continuous and the other broken or dotted, represent the line of no departure, the dotted line facing the area of deficient pressure or negative departures.

Ind. No. 1055 E., 08.—Dir. Genl., Observatories.—May 08.—2,060. Ziaco., S. I. O., Calcutta.

PLATE III.

CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MAXIMUM TEMPERATURE.

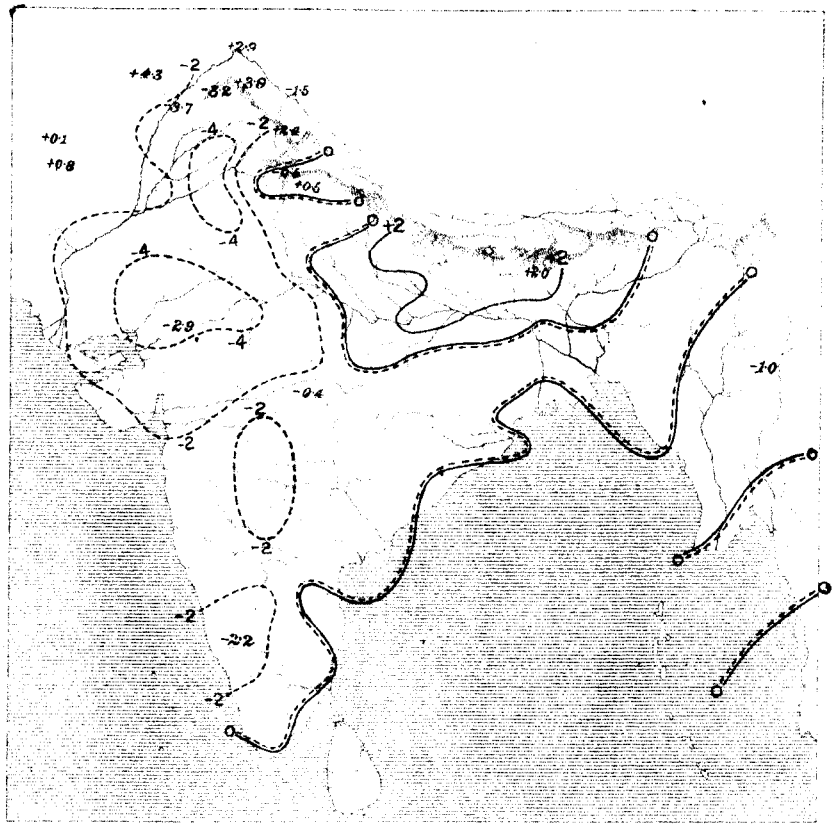


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

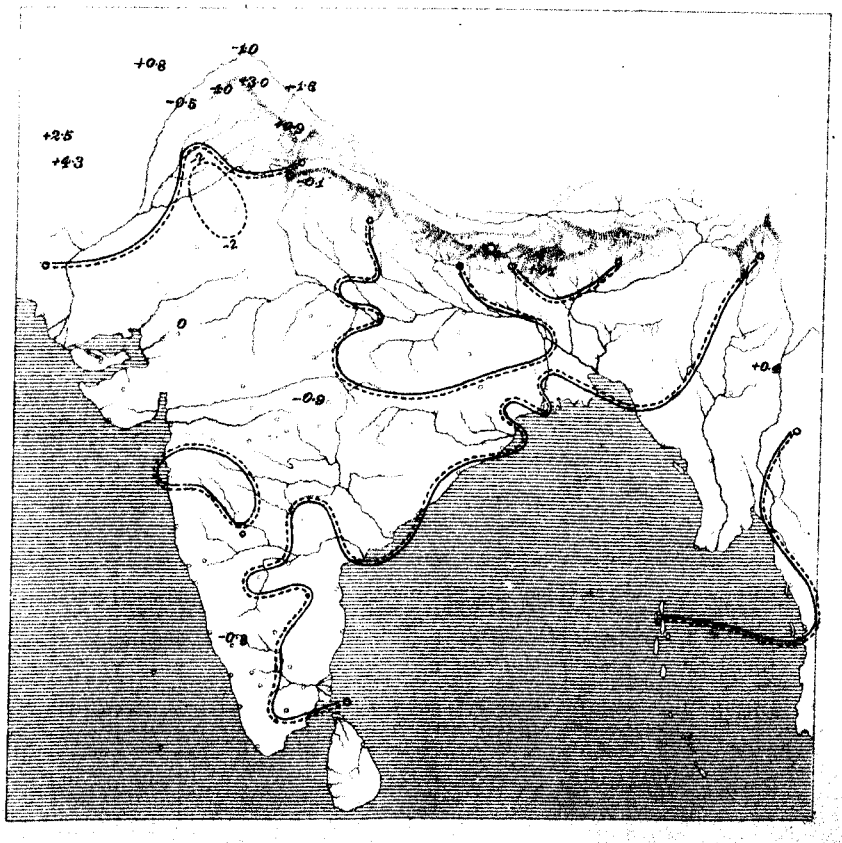


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MEAN TEMPERATURE.

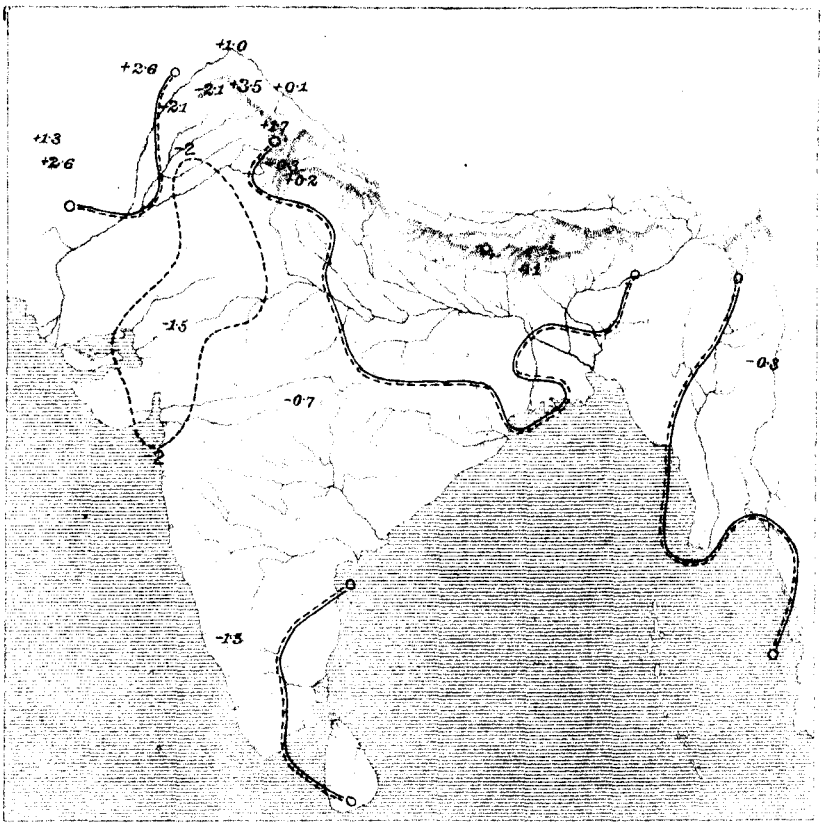


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.

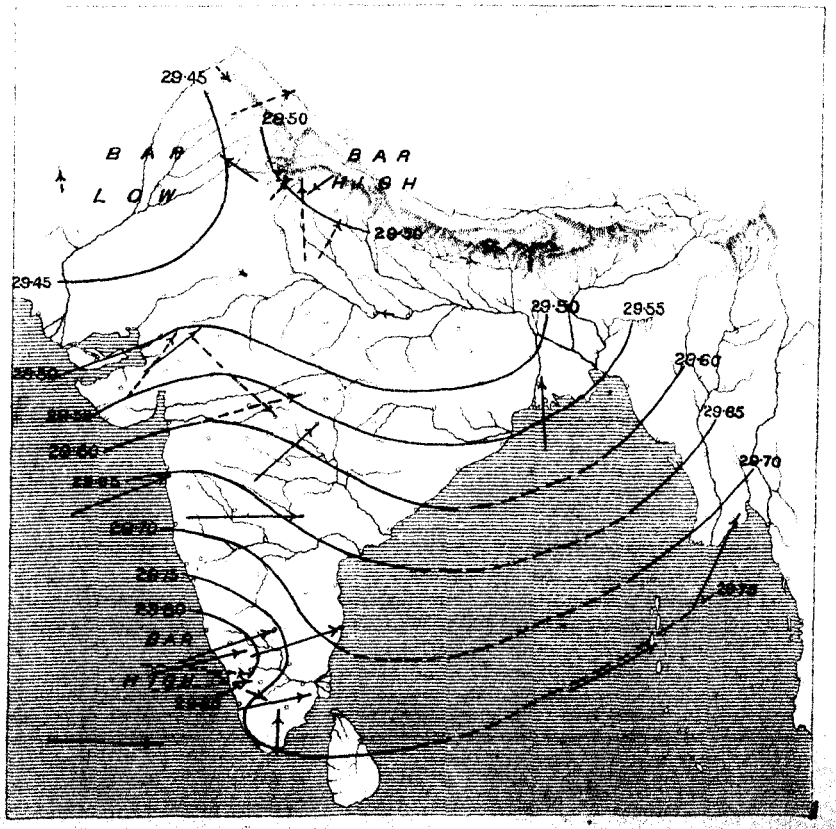


PLATE V

CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF ABSOLUTE
HUMIDITY AT 8 HRS

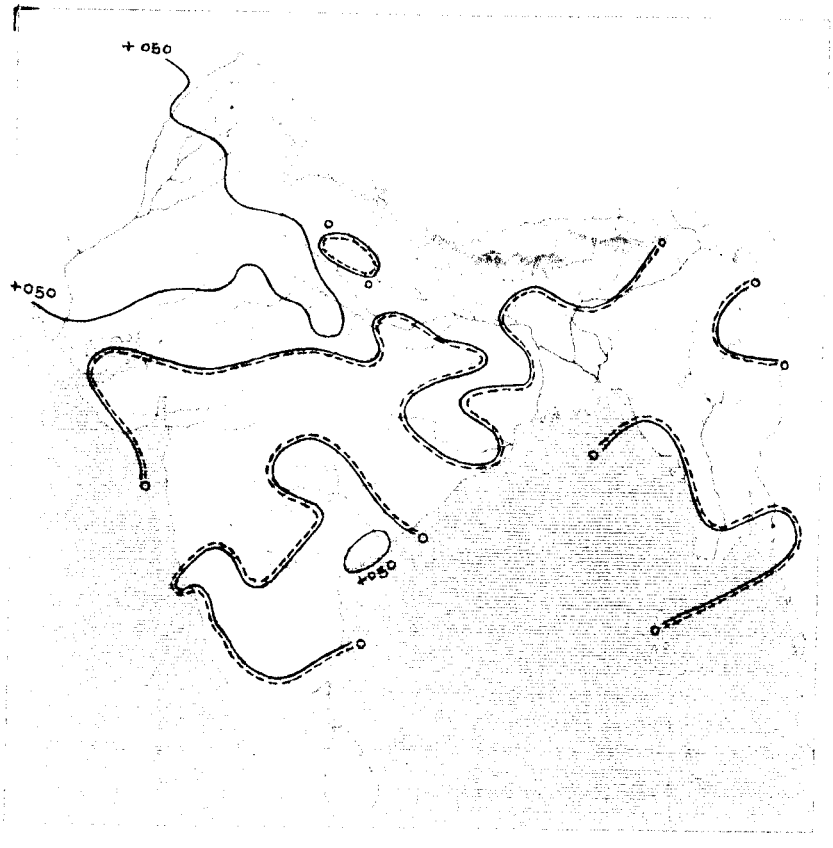


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF RELATIVE
HUMIDITY AT 8 HRS

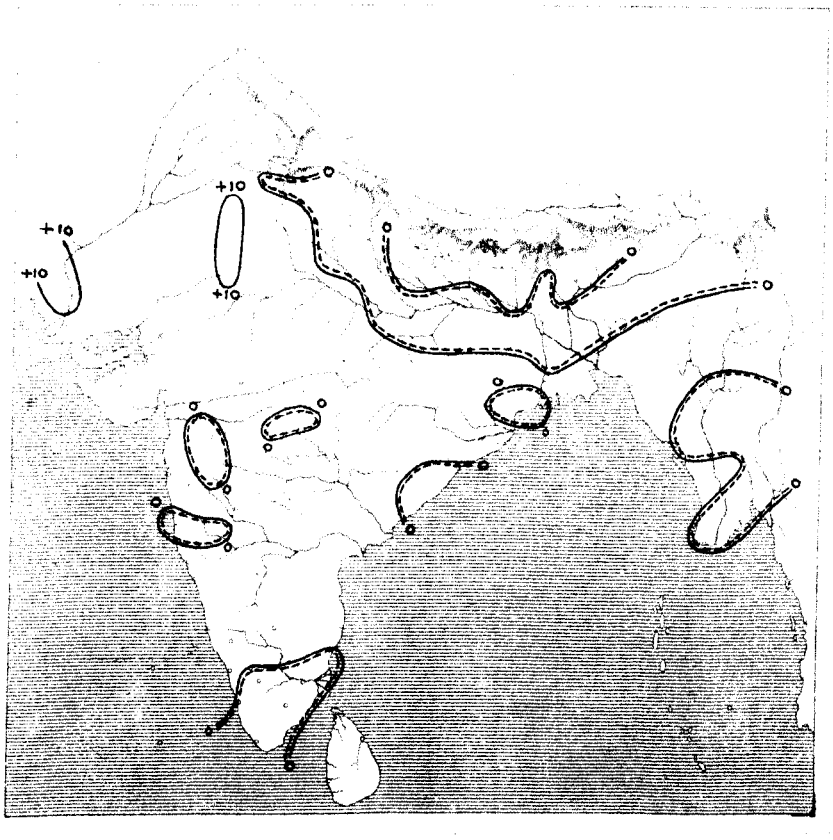


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)

Reg. No. 1653 E., 08.—Wr., India.—July 08 — 6.1807. Zinco S. I. O., Calcutta

The country is divided into 34 areas as shown in the list below. The numbers in that list correspond with the red numbers on the chart, and serve to identify the areas. The numbers in brackets on the chart give the average over the divisions of the normal monthly rainfall; the numbers above these give the departures from normal of the average actual rainfall over the divisions.

1. Bay Islands
2. Lower Burma
3. Upper Burma
4. Assam
5. Eastern Bengal
6. Bengal
7. Orissa
8. Chota Nagpur
9. Bihar
10. United Provinces, East
11. Do., West
12. Punjab, East and North
13. Do., Southwest
14. Kashmir
15. Northwest Frontier Province
16. Baluchistan
17. Sind
18. Rajputana, West
19. Rajputana, East
20. Gujarat
21. Central India, West
22. Do., East
23. Berar
24. Central Provinces, West
25. Do., East
26. Konkan
27. Bombay, Deccan
28. Hyderabad, North
29. Do., South
30. Mysore
31. Malabar
32. Madras, Southeast
33. Madras, Deccan
34. Madras Coast, North

GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, AUGUST, 1908.

INTRODUCTION.

THIS review of the weather in India during the month of August, 1908, is based on observations taken daily at 8 hrs. at 240 stations and on additional observations recorded at 10 hrs. and 16 hrs. at 37 stations. In the rainfall summary the data furnished by the meteorological observatories and such rainfall statements of the month as had been published by the provincial Governments, up to the date of the publication of the review have been utilized. The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories.

For a statement of the methods adopted in recording and tabulating the data, for each of the elements of observation, reference should be made to the introductory portion of the review for January.

Summary of the chief features of the weather in India during the month of August, 1908.

2. The Arabian Sea monsoon current was stronger than the Bay current, and in the field usually dominated by the former rainfall was generally in excess except in southeast Madras, the Madras Deccan and Mysore. The monsoon was very strong in northwest India, especially in Rajputana and the Punjab, where in comparison with the normal the rainfall was the heaviest in India. The Bay current was deflected more than usual to Burma where rainfall was normal, but in northeast India it was generally lighter than usual, especially in Eastern Bengal where the deficiency was large. Both currents again failed to give any appreciable rain in Bihar and some of the north eastern districts of the United Provinces. Maximum temperature was in defect; humidity in excess, and skies more heavily clouded than usual in the regions of excessive rainfall.

Solar, seismic and magnetic disturbances.

KODAIKANAL.

3. *Solar Observations.*—The first two days of the month were too cloudy for any observation and on six days prominences could not be observed. On twelve other days prominence observations were made in poor weather, but on all except four days of the month more or less perfect spectroheliograms of prominences were obtained.

Sunspots.—The spot activity during the month was great for this period of the spot cycle, for there were 26 new groups seen during the month and on the 28th there were 9 groups, several of them large, visible at once. The mean daily number was 5·0 which, with the exception of 5·3 in April, is the largest since September 1907 (6·0). There was no actual return of any old spot but several of the new groups were near the positions of old ones. The distribution of the spots in the two hemispheres was nearly equal but there was still a slight preponderance of southern spots. The distribution in latitude was as follows:—

	1°-10°	11°-20°	21°
North	6	6	0
South	5	8	1

The region lying between latitudes + 15° and — 20° and longitudes 30° and 340° was on the visible half of the sun in the early part of the month and contained the 4 large and active groups 1477, 1478, 1479 and 1480. C, D_1, D_2, D_3 were bright over the umbræ of 1478 on the 3rd and 5th. When this region came round the east limb again about the end of the month it still contained 6 groups, 3 of which 1496, 1498 and 1503 were large; C was strongly reversed on one of the spots in 1496 on the 30th. But the region of greatest activity appeared to have drifted in a north-westerly direction for its limits now were latitudes + 20° and —15° and longitudes 45° and 355°. Apart from the spots mentioned above, group 1483 was the only one which grew to any size. Reversals and disturbances in C and D_3 were very frequently seen during the month and there were 25 of these observations recorded on 19 days.

Prominences.—Forty-eight prominences one minute or more in height were recorded and 3 metallic prominences. The tallest prominence of the month was photographed in Ca on the 13th at latitude —28° east. It was 210″ high at 7h. 59m. but had totally disappeared by 8h. 23m. A group of bright prominences close to it (latitude —35° to —65° east) showed displacement of 2°A in F and about 1°A in D_3, to red, at 8h. 42m. from latitude —35° to —40°. The group was photographed 8 times between 7h. 59m. and 10h. 43m. and underwent great changes during this period. On August 11 at latitude —16° west F was displaced about 4°A to red and 3°A to violet at 9h. 9m., but there was then no prominence visible there. At 9h. 12m. the displacement was almost gone but there was a prominence there 20″ high. The height increased to 70″ at 9h. 14m. and 90″ at 9h. 18m. but the top was then very faint. There was no displacement whatever at 9h. 16m. Eruptive prominences were recorded also on the 18th and the 20th.

Magnetic disturbances.—There was a "great" magnetic disturbance on the 9th, "moderate" ones on the 8th, 12th, and 19th, and "small" ones on the 7th, 10th, 11th, 13th to 15th, 18th, 20th to 22nd, 25th, 26th and 28th to 31st. The "great" disturbance on the 9th was probably associated with group No. 1480. This group was first seen as a round black flocculus on the 4th. It developed very rapidly into a large scattered group which was crossing the central meridian on the 7th and again on the 31st. On the morning of the 13th group No. 1483 was seen for the first time. It was close to the central meridian and formed a scattered group which was rapidly developing. On the 19th the large scattered group No. 1486 began to cross the central meridian and this group showed marked activity on the 20th and 21st. From the 13th to the 24th, and on the 27th and 28th there were always one or more groups near the central meridian.

C. MICHIE SMITH,
Director,
Kodaikanal and Madras Observatories.

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of August the traces showed 6 calm days, 21 days of small and 4 days of moderate disturbance. The days selected as quiet for the purposes of the Magnetic Survey of India are the 5th, 6th, 16th, 24th and 27th.

The observed absolute values of the several magnetic elements reduced to the mean monthly tabulations of the magnetograms, as also the ranges and the summed ranges of the horizontal force and declination for the month are as follow:—

Easterly declination	1° 1′ 42″
Horizontal force	0·36854 C. G. S. unit.
Vertical force	0·15935 " "
Dip (calculated)	23° 22′·9
Dip (observed twice a week)	23° 22′·3
Horizontal force range	0·00048 C. G. S. unit.
Horizontal force summed range	0·00312 " "
Declination range	6′·28
Declination summed range	26′·37

[NOTE.—Summed range means sum without regard to signs of 24 ordinates of diurnal inequality.]

The following table represents the magnetic character of each day of the month:—

Day.	Character.	Day.	Character.	Day.	Character.	Day.	Character.
1	S	9	M	17	S	25	S
2	S	10	S	18	S	26	S
3	S	11	S	19	M	27	C
4	S	12	M	20	S	28	S
5	C	13	S	21	M	29	S
6	C	14	S	22	S	30	S
7	S	15	S	23	C	31	S
8	S	16	C	24	C		

C=calm; S=small; M=moderate; G=great; V G=very great.

Seismic disturbances recorded at Bombay.

Three seismic disturbances were recorded during the month, on the 17th, 20th and the 22nd, that recorded on the 20th being the largest.

List of seismic disturbances.

Date.	Commencement.	Maximum.	End.	Maximum amplitude.	Duration.
	H. M.	H. M.	H. M.	mm.	H. M.
17th August 1908	11 34·1	11 43·7	13 16·2	1·5	1 42·1
20th " "	19 1·7	10 4·6	11 4·3	5·8	1 2·6
22nd " "	12 13·4	12 13·8	12 20·1	0·3	0 6·7

(NOTE.—All times given above denote G. M. T.)

N. A. F. MOOS,
Director,
Bombay Observatory.

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the Milne seismograph at the Alipore Observatory during August, 1908.*

Date 1908.	P. T. Commencement. G. M. T.	L. W. Commencement. G. M. T.	Maximum. G. M. T.	End. G. M. T.	Duration.	Maximum displacement on trace from mean position.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
		From 11th to 13th.					
Aug. 12th	16 18·8	—	16 37·1	17 24·8	1 6·0	0·50	Sensibility 1 mm. = .038″ of tilt.
„ Do.	18 59·3	19 4·4	19 20·7	19 45·0	0 45·7	1·00	
		From 15th to 18th.					
„ 17th	10 57·5	11 15·3	11 54·1	13 37·5	2 40·0	2·75	
		From 18th to 21st.					
„ 20th	9 57·1	—	9 59·6	11 30·1	1 33·0	?*	*Maximum displacement on trace from mean position cannot be measured as the boom moved throughout the trace.

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing seismograph.*

Date.	Commencement of 1st P. T. G. M. T.	Commencement of 2nd P. T. G. M. T.	Beginning of L. W. G. M. T.	Time of maximum amplitude. G. M. T.	End approximately. G. M. T.	Duration.	Maximum displacement of stylo.	REMARKS.
August 1908	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
13th	23 55·4	...	...	23 55·6	23 57·4	0 2·0	1	Local,
17th	10 56·5	...	...	...	12 45·0	1 48·5	...	Tremor.
20th	9 56·5	...	9 58·9	9 59·2	10 55·0	0 58·5	*	Epicentre about 500 miles away.
22nd	12 8·1	...	...	12 9·3	12 15·0	0 6·9	11	Epicentre a short distance away.

*The heavy mass stuck the stops placed on each side of it to prevent the tracing pen from going off the paper

An earthquake of slight intensity occurred at Port Blair on the 23rd at 7 hrs. 48 minutes G. M. T.

Solar Radiation.—No opportunity occurred during the month for measuring solar radiation near local noon by means of Angstrom's pyrheliometer. Skies were clouded throughout the period.

J. PATTERSON,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. Solar observations.—Observations were taken from 1st to 3rd, 7th to 10th except the 9th, 14th to 18th except the 15th and 16th, 21st to 24th except the 23rd and 28th and 29th. Groups of sunspots being seen throughout. They were especially numerous from 7th to 14th and faculæ were seen on each day of observation.

Magnetic disturbances.

Day.	Time.	Disturbance.
9th	0 h. to 1½ h.	Wave in H. F. (+20).
„	4 h. 3 m.	Sudden increase in H. F. (13).
„	4½ h. to 5½ h.	Increase in H. F. (30) followed by an irregular decrease (10½) till 13 h. Small superposed fluctuations throughout.
„	4¾ h. to 6½ h.	Wave in Dec. (−92) followed by fluctuations (±2) till 8½.
„	22 h. to 23½ h.	Wave in H. F. (+17).
11th	13 h. to 17 h.	Decrease in H. F. (63).
„	21 h. to 24 h.	Double wave in H. F. (+18 to −14).
12th	5½ h. to 7 h.	Wave in H. F. (+13).
„	12 h. to 15 h.	Wave in H. F. (−16).
„	9 h. 20 m.	Sharp increase in H. F. (37); 19 h. 32 m. to 46 m. decrease in H. F. (27): 21 h. to 22½ h. wave in H. F. (30).
„	1 h. to 5 h.	Wave in H. F. (+28).
„	19½ h. to 20½ h.	Wave in Dec. (+49).
19th	4 h. to 9 h.	Three successive waves in H. F. (+17, +20 and +20).
25th to 26th	23 h. to 1 h.	Wave in H. F. (+15).

T. F. CLAXTON,
Director.

Weather in the Indian monsoon region.

8. The statement below gives data for the three insular stations in the Indian Ocean, and shows that the general conditions there were such as are favourable to good rainfall in the land area of India.

	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	—·035	—·009	— ·010
Actual mean wind direction .	S 71° E	S 1° E	S 42° E
Normal mean wind direction .	S 68° E	S 9° E	S 35° E

	Mauritius.	Zanzibar.	Sceychelles.
Actual mean wind velocity (miles per diem).	271	159	315
Normal mean wind velocity (miles per diem).	296	165	316
Rainfall departure from normal	+0·66	—0·41	—1·84

Depressions and cyclonic storms.

9. The several depressions passed from the Bay into northern and central India but they were all feeble with the exception of the first and last and even these were only of moderate intensity.

A fairly well marked depression moved from the Bay into Orissa on the 1st and occasioned general and moderately heavy rain in its neighbourhood. It moved rapidly in a direction slightly north of west reaching the central parts of the Central Provinces at 8 hrs. on the 2nd and was the cause of general rain and heavily clouded skies in the Central Provinces and the Deccan, but it failed to give any rainfall of importance to the north of its track in the region fed by the Bay current. The depression then became very diffuse in character and its further progress can only be traced by the abnormal of pressure, but from then it appears that the depression moved westward into Gujarat where it disappeared on the 5th. It increased the activity of the Arabian Sea current very much and moderate to heavy rain fell in Gujarat and the adjacent districts to the east up to the 5th. On the 6th a small depression was shown off the Orissa coast and by the next morning it had developed considerably and was lying off the Sunderbans; it caused a slight increase in the activity of both currents in its vicinity, rainfall being nearly general though light in the coast districts. The depression however did not possess much vitality and by the 8th it had become merely an ill-defined low pressure area extending from the south-east of the United Provinces into Bengal and Orissa, but it was the cause of light widespread rainfall over this area and the adjacent districts. Pressure remained low over the same area on the 9th, but rainfall in the vicinity had decreased and by the following morning all trace of the depression had disappeared.

The axis of the trough of low pressure extended on the morning of the 11th along a line joining Cuttack and Delhi, and within it a depression had commenced to form off the Orissa coast. The depression continued to develop for the next two days without moving appreciably and caused general rain on the north Madras coast, Orissa, the east of the Central Provinces and on the Bengal coast. It had crossed the coast by 8 hrs. of the 14th and then drifted into the south-east of the United Provinces where it disappeared on the 18th; it did not exert much influence on the weather except in its immediate vicinity where light rain fell up to the 18th.

The preceding depression was immediately followed by another which was shown over deltaic Bengal on the 19th; it remained stationary until the 20th and then drifted in a northwesterly direction into the Gangetic plain where it became merged in the trough of low pressure. The depression was the cause of light general rain over the Central Provinces and heavy rain in parts of Orissa and of Chota Nagpur, but it failed to give any rain in Bihar.

The last depression of the month began to form on the 27th over the head of the Bay being most strongly marked off the Arabian coast. By the 28th it had moved westward and had given rain on the Circars coast in Orissa, Chota Nagpur and deltaic Bengal. The depression was of considerable intensity and crossed the Orissa coast to the south of False Point on the morning of the 29th, by which time rainfall had extended into the Central Provinces and Hyderabad. After crossing the coast the depression moved in a northwesterly direction and carried rain into Bihar and the east of the United Provinces, reaching the east of Central India on the 31st. By this time it had set up a strong indraught from the Arabian Sea into it and heavy rain fell to the south of its track, Saugor having received a fall of 10·80 inches in 24 hours. Its further progress will be given in the September Review.

Pressure.

10. On the mean of the whole country pressure was ·009″ in defect. The deficiency was greatest along a belt extending from Akyab across the head of the Peninsula into Gujarat and reaching as far north as the south of the United Provinces and the north of Rajputana, and as far south as the latitude of Bombay.

The deficiency was actually greatest at Deesa and Ahmedabad indicating a local intensification of the relatively low pressure conditions in this neighbourhood with a corresponding strengthening of the Arabian Sea current. Pressure was practically normal all along the foot of the Himalayas except in the eastern and western districts where it was in excess. In the rest of the country normal pressure conditions prevailed. Pressure decreased vertically at the normal rate up to the level of all the hill stations except those in Kashmir where the gradient was somewhat less than usual.

Division.	Departure from normal of mean 8 hrs. pressure.
	"
Burma	—·004
Eastern Bengal and Assam	+·010
Bengal	—·019
United Provinces	0
Punjab	+·025
North-West Frontier Province	+·029
Sind	—·014
Rajputana	—·028
Bombay	—·024

Division.	Departure from normal of mean 8 hrs. pressure.
	"
Central India	—·034
Central Provinces	—·026
Hyderabad	—·017
Mysore	—·008
Madras	—·009

Hill Station.	Departure from normal pressure. A	Plain Station.	Departure from normal pressure. B	Departure of pressure difference. B—A.
	"		"	"
Quetta	—·005	Jacobabad	—·006	—·001
Leh	+·009	Lahore	+·020	+·011
Murree	+·013	Peshawar	+·026	+·013
Simla	+·018	Ludhiana	+·021	+·003
Chakrata	+·042	Roorkee	+·021	—·021
Darjeeling	+·020	Dhubri	+·010	—·010
Mount Abu	—·032	Deesa	—·045	—·013
Pachmarhi	—·053	Khandwa	—·023	+·030

Temperature.

11. In the Punjab and Rajputana, the regions of very excessive rainfall, maximum temperature was in considerable to large defect, the greatest deficiency averaging to 8·3° at Lahore and 8·2° at Montgomery. Maximum temperature was also below normal though in a minor degree in the North-West Frontier Province, Gujarat, the Central Provinces and the western districts of the United Provinces, but in Bihar, the east submontane districts of the United Provinces and the northern and central districts of Eastern Bengal, areas where rainfall was in very marked defect, the maximum was in excess. In the rest of the country normal maximum temperatures prevailed. Minimum temperature was not as high as usual in the southern districts of the Punjab, but elsewhere it was normal. Temperature was fairly constant throughout the month, and there were no large changes except in the Deccan.

Sub-division.	Actual temperature,					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	83·6	76·3	80·0	7·	13·1	—1·9	—0·9	—1·0
2. Lower Burma	83·5	75·1	79·3	8·5	15·3	—0·9	+0·1	—1·0
3. Upper do.	88·8	75·1	82·0	13·7	21·0	—0·3	0	—0·3
4. Assam	88·8	77·3	83·1	11·6	19·2	—0·2	—0·1	—0·1
5. Eastern Bengal	88·9	78·0	83·5	11·0	16·5	+1·9	0	+1·9
6. Bengal	88·4	78·5	83·5	9·9	15·1	+0·2	—0·1	+0·3
7. Orissa	85·8	77·5	81·7	8·4	14·9	—1·8	—0·4	—1·4

Sub-division.	Actual temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
8. Chota Nagpur	86·2	75·3	80·7	10·9	16·4	−0·7	+0·1	−0·8
9. Bihar	92·4	79·0	85·7	13·4	21·4	+2·9	+0·1	+2·8
10. United Provinces, East	90·8	78·5	84·7	12·3	20·4	+1·0	0	+1·0
11. Do., West	87·3	76·6	81·9	10·7	18·5	−2·0	−0·5	−1·5
12. Punjab, East and North	89·4	77·1	83·2	12·3	22·7	−5·5	−1·1	−4·4
13. Do., South-west	95·7	80·1	87·9	15·6	29·5	−5·3	−1·4	−3·9
14. Kashmir	79·3	57·3	68·3	22·0	37·4	−0·7	+0·8	−1·5
15. North-West Frontier Province	96·2	79·0	87·7	17·2	31·3	−4·0	−0·3	−3·7
16. Baluchistan	99·4	71·0	85·2	28·3	43·5	+1·7	+3·0	−1·3
17. Sind	95·2	80·5	87·9	14·7	24·0	−0·7	+0·9	−1·6
18. Rajputana, West	89·7	77·5	83·6	12·1	22·2	−5·4	−1·0	−4·4
19. Do., East	85·0	75·8	80·4	9·2	16·6	−5·1	−0·7	−4·4
20. Gujarat	84·4	75·9	80·1	8·5	15·1	−3·4	−0·9	−2·7
21. Central India, West	82·1	72·1	77·1	10·0	16·4	−1·9	+0·2	−2·1
22. Do., East	85·1	77·3	81·2	7·9	14·4	−1·8	+1·0	−2·8
23. Berar	82·0	71·5	76·7	10·5	17·2	−3·4	−0·5	−2·9
24. Central Provinces, West	82·7	73·5	78·1	9·3	16·3	−2·1	−0·1	−2·0
25. Do., East	83·3	74·0	78·7	9·3	15·7	−2·9	−0·5	−2·4
26. Konkan	82·3	75·7	79·0	6·6	9·8	−1·0	−0·3	−0·7
27. Bombay Deccan	82·7	69·7	76·2	13·0	18·3	−1·3	+0·3	−1·6
28. Hyderabad, North	83·7	70·2	77·0	13·5	21·4	...	...	...
29. Do., South	86·7	72·2	79·5	14·5	23·0	−0·6	−0·2	−0·4
30. Mysore	80·2	65·9	73·0	14·4	20·5	−1·4	−0·3	−1·1
31. Malabar	82·3	73·8	78·1	8·4	13·6	−0·7	0	−0·7
32. Madras, South-east	94·4	76·5	85·5	17·9	26·1	+1·1	+0·8	+0·3
33. Do., Deccan	93·0	75·2	84·1	17·7	26·0	+1·5	+0·5	+1·0
34. Do. Coast, North	90·0	78·0	84·0	12·0	20·8	−0·3	−0·3	0

Division.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Burma	−0·7	0	−0·3
Eastern Bengal and Assam	+1·3	−0·1	+0·6
Bengal	+0·2	−0·1	0
United Provinces	−0·5	−0·3	−0·4
Punjab	−5·5	−1·2	−3·3
North-West Frontier Province	−4·0	−0·3	−2·2
Sind	−0·7	+0·9	+0·1

Division.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Rajputana	−5·2	−0·8	−3·0
Bombay	−2·0	−0·2	−1·2
Central India	−1·9	+0·6	−0·7
Central Provinces	−2·5	−0·2	−1·4
Hyderabad	−0·6	−0·2	−0·4
Mysore	−1·4	−0·3	−0·9
Madras	+0·5	+0·4	+0·5

Winds.

12. Winds were below the normal strength in Sind and Rajputana and were of normal strength elsewhere; they were steadier than usual in Bengal, the United Provinces and the Punjab, and less steady in Rajputana and Sind.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	−0·8	−4
Eastern Bengal and Assam	−0·4	+9
Bengal	+0·3	+17
United Provinces	−0·2	+34
Punjab	+0·4	+13
North-West Frontier Province	+0·7	+4
Sind	−3·5	−16
Rajputana	−2·2	−46
Bombay	−0·1	+5
Central India	−0·7	−6
Central Provinces	+0·9	+10
Hyderabad	+0·7	+8
Mysore	+1·4	+8
Madras	+0·9	+5

Humidity and cloud.

13. On the mean of the month the amount of moisture in the air in each of the divisions varied from 75 per cent. of that required for saturation to 92 per cent., and was in largest excess in Rajputana and the Punjab, the regions where rainfall was excessive. Cloud was lightest in the North-West Frontier Province where on the mean of the month only a little over a third of the whole expanse of sky was covered with cloud, and was thickest in Central India where 92 per cent. of the sky was overcast. The greatest excess of cloud occurred in the Punjab and Rajputana, and in Eastern Bengal and Assam there was much less than the average amount of cloud, but in all other parts of the country the departure from normal were not large.

Division.	Hygrometry; 8 hrs.				Cloud.	
	Mean humidity.	Departure from normal.	Mean vapour-tension in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.
	%		"	"		
Burma	91	+1	·870	−·002	8·3	+0·1
Eastern Bengal and Assam.	88	−3	·940	−·012	6·2	−2·4
Bengal	87	0	·932	−·009	7·2	−0·3
United Provinces.	86	0	·925	+·004	6·9	−0·2
Punjab	84	+9	·918	+·043	6·3	+2·0
North-West Frontier Province.	81	+9	·943	+·052	3·9	+1·2
Sind	79	+4	·921	+·052	6·0	+1·0
Rajputana	88	+12	·877	+·084	8·3	+2·0
Bombay	87	+3	·818	+·007	8·2	+0·6
Central India	92	+5	·848	+·024	9·2	+1·5
Central Provinces	89	+2	·779	−·016	9·0	+1·0
Hyderabad	83	0	·713	−·015	7·2	0
Mysore	86	+3	·633	+·004	8·8	+0·4
Madras	75	−1	·776	−·012	6·7	0

Rainfall.

14. Both branches of the monsoon were active up to the 16th of the month but the Arabian Sea current was considerably stronger than that from the Bay, and rainfall occurred in all parts of the country, though it was scanty in Sind, the north-east of the United Provinces and Bihar. The monsoon was especially active in Rajputana,

the Punjab and the central parts of the country, and in the two former areas rain was far in excess of the normal. From the 17th to the 24th both currents were comparatively weak and rainfall was more or less scattered in character, but they again strengthened on the 25th and good rain fell over almost the whole of northern and central India during the rest of the month, the Punjab again receiving heavy rain. The monsoon also penetrated into Kashmir during this period and gave good rainfall.

The Bay current was strongly deflected to Burma to the detriment of Eastern Bengal, where the total fall for the month was in very large defect. As in July both currents failed to give adequate rain to Bihar and some of the north-eastern districts of the United Provinces. In the Madras Deccan, south east Madras and Mysore rainfall was also deficient but in all other parts of India it was normal or in excess; the excess amounted to over 75 per cent. in the Punjab, the North-West Frontier Province, Rajputana, and the east of Central India, the greatest excess relative to the normal being in west Rajputana, where it amounted to 258 per cent.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			Inches	Inches.	Inches.	
1. Bay Islands	22·0	20·9	22·46	14·16	+8·30	+ 59
2. Lower Burma	26·6	24·0	31·13	26·68	+4·45	+ 17
3. Upper do.	13·3	10·6	8·57	7·24	+1·33	+ 18
4. Assam	14·6	17·6	13·96	16·15	—2·19	— 14
5 Eastern Bengal	13·5	16·6	7·65	15·54	—7·89	— 51
6. Bengal	17·6	15·7	9·99	11·87	—1·88	— 16
7. Orissa	21·7	15·1	19·74	12·28	+7·46	+ 61
8. Chota Nagpur	19·9	16·4	14·51	13·35	+1·16	+ 9
9. Bihar	8·9	13·4	6·44	12·03	−5·59	− 46
10. United Provinces, East	15·4	12·5	12·54	11·35	+1·19	+ 10
11. Do. do., West	17·2	11·8	16·85	11·71	+5·14	+ 44
12. Punjab, East and North	14·3	6·8	16·22	6·63	+9·59	+145
13. Do., Southwest	5·5	2·8	6·09	2·11	+3·98	+189
14. Kashmir	9·4	5·3	6·52	3·89	+2·63	+ 68
15. North-West Frontier Province	7·0	4·2	6·38	3·38	+3·00	+ 89
16. Baluchistan	1·5	1·3	1·08	0·81	+0·27	+ 33
17. Sind	3·3	2·2	2·78	2·21	+0·57	+ 26
18. Rajputana, West	13·8	4·3	11·90	3·32	+8·58	+258
19. Do., East	17·8	9·1	14·35	7·78	+6·57	+ 84
20. Gujarat	18·2	11·1	12·68	8·40	+4·28	+ 51
21. Central India, West	17·0	12·3	11·59	10·33	+1·26	+ 12
22. Do., East	22·9	14·6	23·28	13·13	+10·15	+ 77
23. Berar	14·3	10·3	9·91	6·94	+2·97	+ 43
24. Central Provinces, West	18·5	13·7	15·99	11·78	+4·21	+ 36
25. Do. do., East	21·6	15·1	22·02	13·97	+8·05	+ 58
26. Konkan	28·5	24·7	25·94	24·84	+1·10	+ 4
27. Bombay Deccan	10·3	9·7	5·76	5·53	+0·23	+ 4
28. Hyderabad, North	11·8	11·4	6·58	7·92	—1·34	— 17

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			Inches.	Inches.	Inches.	
29. Hyderabad, South	10·1	10·4	5·73	6·43	—0·70	— 11
30. Mysore	7·5	8·3	3·84	5·13	—1·29	— 25
31. Malabar	23·1	20·9	22·96	19·32	+3·64	+ 19
32. Madras, Southeast	3·5	5·3	1·81	3·52	—1·71	— 49
33. Do. Deccan	5·0	6·5	1·63	3·86	—2·23	— 58
34. Do. Coast, North	12·4	10·1	7·95	6·82	+1·13	+ 17

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	18·89	16·14	+2·75	+17
Eastern Bengal and Assam	10·82	15·85	—5·03	—32
Bengal	10·94	12·19	—1·25	—10
United Provinces	14·56	11·52	+3·04	+26
Punjab	14·13	5·70	+8·43	+148
North-West Frontier Province	6·38	3·38	+3·00	+89
Sind	2·78	2·21	+0·57	+26

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Rajputana	13·70	6·58	+7·12	+108
Bombay	11·65	9·96	+1·69	+17
Central India	15·26	11·28	+3·98	+35
Central Provinces	14·81	10·26	+4·55	+44
Hyderabad	6·12	7·10	—0·98	—14
Mysore	3·84	5·13	—1·29	—25
Madras	5·57	6·00	—0·43	—7
Mean of India when the size of the above areas is taken into account.	12·00	9·81	+2·19	+22

Snowfall.

15. (*a*) No information is available for the mountain region bordering upper India on the west. It is probable that no snow fell there during the month.

(*b*) In Kashmir there were one or two falls on the higher mountains towards the close of the month: the total amount was not large, measuring only about half a foot on the Zoji-la.

(*c*) In Almora snowstorms occurred on several occasions during the month: the total fall measured 10 feet in depth on the Nuwe pass. On the whole the snowfall of the month was not greater than usual.

Crop report.

16. *Burma.*—The condition of the standing crops was good in Lower Burma and fair in Upper Burma, where prospects had been much improved by rainfall.

Eastern Bengal and Assam.—Deficiency of rainfall and lowness of rivers were seriously affecting the prospects of the winter rice and jute crops over the greater part of the province. Prospects of tea were moderate to good.

Bengal.—Rain had done much good to the standing crops in parts of Bihar but more rain was urgently wanted in north Bihar and the Bhagalpur division. Harvesting of jute and of autumn paddy had commenced.

United Provinces.—Crops in the Nanpara and Bahraich tahsils were withering for want of rain but in other parts of the division heavy rain had fallen and some damage had been caused by floods.

Punjab.—The condition of the standing crops was generally good, but in some parts of the province crops had been damaged by too much heavy rain and a break was absolutely necessary.

North-West Frontier Province.—Standing crops and autumn sowings were greatly benefitted by rain and the former was expected to yield an average outturn.

Jammu and Kashmir.—Standing crops were in good condition and the prospects of spring cultivation had improved.

Rajputana.—Standing crops, especially maize, were damaged by excessive rain over the greater part of the division. Weeding and further sowings were retarded from the same cause.

Central India.—Land was being prepared for spring

crops, but operations had been stopped in parts owing to incessant and heavy rain which had caused some damage.

Central Provinces.—Late sowings were retarded by continuous rain which had caused some slight damage to seedlings. Land was being prepared for winter crops.

Bombay.—Rainfall was insufficient in the eastern districts of the Deccan and the Karnatak and sufficient elsewhere. Slight damage to standing crops was reported from various parts of the presidency owing to insects, rats, floods, excessive rain or want of moisture.

Hyderabad.—The condition in the Raichur district and in a few talukas of the Bir and Nalganda districts was critical owing to want of rain, but in most parts the autumn crops were in fair to good condition.

Mysore.—Standing crops were in good condition but more rain was needed.

Coorg.—Rice was being transplanted. Water and fodder for cattle were sufficient.

Madras.—Prospects were generally fair but sowings were backward in most districts and rain was urgently needed.

J. PATTERSON.

TABLE A.—Abstract of observations taken at 10 hrs. and 16 hrs., at 37 stations in India, etc., in August, 1908.

Table

Abstract of observations taken at 10 hrs. and 16 hrs, at 37

Number of subdivision.	Station.	Elevation of barometer above sea-level, in feet.	Pressure.						Temperature of Air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to sea-level and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	I.—Burma.																					
2	Rangoon	36	29·780	29·700	·080	29·743	−·009	29·716	84·3	75·5	8·8	88·0	74·0	14·0	80·5	79·3	78·2	− 0·5	74·6	77·1	76·3	76·0
	III.—Bengal.																					
6	Calcutta	21	·613	·520	·093	·569	−·022	·535	88·3	78·8	9·5	90·8	76·5	14·3	84·2	84·3	83·3	+ 0·9	77·3	79·9	80·2	79·1
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad	309	·278	·173	·105	·229	−·037	·488	90·2	78·3	11·9	95·0	75·1	19·9	85·4	87·5	83·2	0	77·2	79·9	80·2	79·1
11	Dehra Dun	2,233	27·453	27·376	·077	27·413	+·009	·582	83·4	72·5	10·9	88·9	70·5	18·4	78·8	78·8	76·7	− 0·6	71·1	74·7	75·2	73·7
	V.—Punjab.																					
12	Lahore	702	28·910	28·825	·085	28·860	+·026	·522	89·3	77·8	11·5	97·6	73·2	24·4	83·5	86·8	82·7	− 4·4	76·1	79·6	80·6	78·8
	VIII.—Rajputana.																					
19	Jaipur	1,431	·193	·108	·085	·150	−·029	·527	86·2	75·9	10·3	92·6	72·8	19·8	81·2	83·0	79·9	− 3·9	74·7	77·3	77·9	76·6
	Udaipur	1,925	27·737	27·654	·083	27·694		·554	82·3	73·7	8·6	86·0	72·3	13·7	78·7	79·5	77·4		72·1	74·8	75·4	74·1
	IX.—Bombay.																					
26	Bombay	37	29·716	29·677	·069	29·710	−·019	·687	83·3	76·8	6·5	85·1	75·4	9·7	80·8	80·5	79·0	− 0·4	74·9	77·3	77·0	76·4
	XI.—Central Provinces.																					
24	Nagpur	1,017	28·651	28·555	·096	28·606	−·019	·579	84·0	74·0	10·0	90·3	71·4	18·9	78·9	81·0	77·6	− 1·8	72·2	74·4	75·7	74·1
	XII.—Hyderabad.																					
29	Hyderabad	1,690	·071	27·968	·103	·026	−·005	·652	84·8	71·7	13·1	89·6	69·2	20·4	78·0	82·0	76·8	− 0·3	68·7	71·5	73·3	71·2
	XIII.—Mysore.																					
30	Bangalore	3,021	26·867	26·778	·089	26·832	−·012	·734	82·1	65·0	17·1	87·3	62·7	24·6	74·0	79·2	71·7	− 0·1	64·3	68·2	69·5	67·3
	Mysore	2,518	27·382	27·298	·084	27·349	+·003	·783	81·7	65·7	16·0	86·0	62·2	23·8	76·4	77·5	71·8	− 1·6	64·7	68·6	69·5	67·6
	XIV.—Madras.																					
32	Periyakulam	944	28·896	28·781	·115	28·839		·706	95·2	71·4	23·8	98·2	67·6	30·6	87·0	88·4	83·3		66·4	71·4	71·7	69·8
	Pudukkottai	318	29·518	29·386	·132	29·452		·696	97·8	76·8	21·0	102·1	68·0	34·1	86·0	94·9	87·4		71·2	73·6	75·4	73·4
	Madras	22	·779	·655	·124	·726	−·020	·679	95·2	77·7	17·5	98·9	71·6	27·3	86·6	89·1	85·4	+ 0·9	74·9	77·8	79·7	77·5
	Station in the Bay.																					
1	Port Blair	58	·796	·715	·081	·758	+·002	·746	83·4	76·3	7·1	86·0	73·2	12·8	81·1	81·9	78·8	− 1·4	74·0	77·2	77·5	76·2
	Kashmir.																					
14	Srinagar	5,201	24·722	24·638	·084	24·677	+·009	24·643	82·4	65·9	16·5	91·3	60·9	30·4	74·6	79·8	71·6	+ 0·8	62·8	69·9	73·6	68·8
	Leh	11,503	19·672	19·579	·093	19·633	+·010	19·601	72·3	50·0	22·3	79·0	44·9	34·1	64·5	67·9	58·6	− 2·4	45·6	54·1	55·3	51·7
	Baluchistan.																					
16	Quetta	5,502	24·421	24·394	·087	24·436	−·009	24·396	93·2	65·4	27·8	97·1	52·8	44·3	84·2	90·9	78·8	+ 3·5	59·9	63·3	62·8	62·0

N.B.—Elevations in italics indicate barometric determinations.

NOTE.—The barometric readings are not reduced to sea-level in the cases of

A.

stations in India, etc., in August, 1908.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of subdivision.
														Total number of 10 hrs. and 16 hrs. winds from																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%					I.—Burma.	
·651	·858	·836	·882	—·022	93	85	87	92	— 1	9·2	9·7	9·5	+0·5	1		1		2	23	26	8	1	S 31° W	S 39° W	77	66	57*	106	30·80	4·23	Rangoon	2
																															III.—Bengal.	
·917	·964	·980	·955	—·011	93	82	83	87	— 1	7·9	8·7	8·3	−0·4	6		4	13	26	8	5			S 49° E	S 2° E	66	56	113	113	14·43	1·51	Calcutta	6
																															IV.—United Provinces of Agra and Oudh.	
·919	·946	·936	·946	0	95	77	72	84	0	8·4	8·6	8·5	+0·4	8	3	11	29	5	1	2	2	1	N 81° E	N 6° E	59	5	121*	108	16·81	4·21	Allahabad	10
·755	·811	·829	·822	0	93	83	85	92	+ 1	8·5	8·6	8·5	+1·0	20	5	15	8	2	5	2	2	3	N 56° E	S 23° W	29	13	17	24	26·86	4·34	Dehra Dun	11
																															V.—Punjab.	
·878	·965	·964	·930	+·076	92	81	76	85	+14	7·1	5·8	6·5	+2·5	8	4	10	14	14	4		6	2	S 87° E	S 78° E	33	24	76*	67	20·39	4·20	Lahore	12
																															VIII.—Rajputana.	
·819	·890	·892	·890	+·074	91	84	79	88	+10	8·8	8·8	8·8	+1·2	3	2	5	10	5	2	16	10	9	S 63° W	N 63° W	19	42	91	113	16·03	3·04	Jaipur	19
·770	·825	·841	·825		92	83	83	88		8·6	9·0	8·9		6	2		2	2	5	17	26	2	S 67° W		63		99*		7·61	2·17	Udaipur	
																															IX.—Bombay.	
·838	·895	·881	·879	−·006	91	85	85	88	+ 1	9·4	9·5	9·5	+1·1							22	40		S 74° W	S 81° W	93	79	370	270	9·87	1·14	Bombay	26
																															XI.—Central Provinces.	
·772	·802	·828	·816	+·004	91	81	78	87	+ 4	8·7	8·5	8·6	−0·1	2	1			1	6	25	26	1	S 63° W	N 78° W	79	64	147*	178	12·90	2·38	Nagpur	24
																															XII.—Hyderabad.	
·685	·691	·710	·700	−·031	86	72	66	78	− 2	8·1	8·3	8·2	+0·6	1						1	55	5	N 87° W	N 85° W	95	85	166*	202	7·21	1·86	Hyderabad.	29
																															XIII.—Mysore.	
·596	·625	·608	·614	+·001	96	75	62	80	+ 1	8·9	8·3	8·6								24	35	3	S 75° W	S 81° W	90	88	238*	199	1·40	0·52	Bangalore	30
·601	·606	·625	·615	−·010	95	67	67	78	+ 2	9·3	9·2	9·3	+0·5							21	38	3	S 77° W	S 84° W	90	86	281*	300	2·18	0·63	Mysore	
																															XIV.—Madras.	
·582	·563	·559	·568		76	44	43	54		2·4	7·0	4·7		11	7	2	3	2	27	4	5	1	S 7° W		35		90*		0·40	0·11	Periyakulam	32
·692‡	·621	·619	·611		74‡	46	39	53		6·3	8·3	7·3		1	2			1	2	19	17	20	W		71		256*		2·20	1·08	Pudukkottai	
·826	·837	·883	·831	+·025	87	66	66	74	+ 1	6·3	7·4	6·9	0	1		1	4	7	7	13	27	2	S 56° W	S 36° W	55	56	117	166	4·70	1·40	Madras	
																															Station in the Bay.	
·805	·887	·892	·859	—·037	89	84	82	86	− 1	9·3	9·5	9·4	+1·5	1					2	33	26		S 63° W	S 51° W	89	81	340*	259	27·56	5·65	Port Blair	1
																															Kashmir.	
·539	·684		6 18	+·005	84	79	75	79†	− 1	5·6	6·3	6·0	+2·2	19	10	3	2	6	6	2	2	12	N 21° W	N 48° W	16	9	66*	86	6·45	1·38	Srinagar	14
·271	·332	332	·309	+·044	75	55	50	63	+12	5·2	6·3	5·8	+0·5		1	3		1	13	18	25	1	S 58° W	S 72° W	68	42	52	43	2·00	0·70	Leh	
																															Baluchistan.	
·469	·365	·275	·370	—·004	73	31	18	42	—	0·8	1·5	1·2	−0·3	26	2	1		1	6	4	11	11	N 87° W	N 78° W	32	33	71*	65	0	0	Quetta	18

* Corrected. † Mean of three previous columns. ‡ Mean of 30 days.

hill or plateau stations, the elevations of which exceed 3,200 feet.

Table

Abstract of observations taken at 10 hrs. and 16 hrs., at 37

Number of subdivision.	Station.	Elevation of barometer cistern above mean sea-level, in feet.	Pressure.						Temperature of air.										Temperature, wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to sea-level and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Hill Stations, excluding Kashmir and Baluchistan.																					
	Simla	7,224	23·039	22·985	·054	23·010	+·006	22·972	65·1	59·3	5·8	69·2	57·1	12·1	62·7	63·3	61·7	−1·1	58·1	61·2	62·0	60·4
	Sarain		·089	23 033	·056	·058			67·9	57 9	10·0	74·0	51·3	22·7	63·2	65·7	62·4			60·5	62·2	
	Kalabagh		20·120	20·081	·039	20·098			54·8	47·1	7·7	57·7	44·1	13·6	51·6	52·8	50·5			50·9	51·8	
	Chakrata	7,022	23·230	23·180	·050	23·201	+ 040	23·161	68·4	59·2	9·2	71·5	56·2	15·3	63·3	64·7	63·3	−0·4	58·9	62·4	63·6	61·6
	Muktesar	7,556	22·778	22·712	·066	22·743		22 701	67·8	56·4	11·4	74·0	53·8	20·2	62·3	64·3	61·6		55·9	60·1	61·5	59·2
	Katmandu	4,388	25·517	25·426	·091	25·470	+·035†	25·424	83·5	68·1	15·4	86·8	66·9	19·9	77·2	78·0	75·4	+0·9†	66·4‡	70·5	71·3	69·4
	Darjeeling	7,376	22·975	22·917	·058	22·944	+·010	22·899	67·8	56·8	11·0	72·7	52·3	20·4	64·3	64·0	61·9	+1·0	56·3	62·4	62·4	60·4
	Pachmarhi	3,528	26·233	26 161	·072	26·195	−·049	26 143	73·4	67·0	6·4	77·2	65·1	12·1	68 6	71·2	69·7	−0·7	65·9	67·9	69·4	67·7
	Mount Abu	3,945	25 848	25·784	·064	25·814	−·039	25 764	70·4	65·7	4·7	75·7	62 4	13·3	67·9	68·5	67·5	−0·1	65·4	67·5	68·0	67·0
	Chikalda	3,642	26·150	26·072	·078	26·109	−·040	26·053	71·3	64·8	6·5	75·3	63·6	11·7	67·3	70·2	67·5	−0·9	64·7	66·7	68·6	66·7
	Ootacamund	*7,322*	23·011	22·940	·071	22·975		22·910	61·6	50·9	10·7	66·3	46·4	19 9	58·5	58·5	55·8		50·0	55·1	55·8	53·6
	Kodaikanal	7,688	22 792	·731	·061	·762		·697	63·3	52·4	10·9	66·6	50·8	15·8	60·3	58·4	57·8		49·2	55·5	56·1	53·6
	Dodabetta	8,539r	·019	21·973	·046	21·995		21·932	57·4	48·4	9·0	63·4	45·5	17·9	53·8	54·3	52·4		47·8	51·6	52·6	50·7
	Extra India.																					
	Minicoy	7	29·950	29·867	·083	29·916																
	Zanzibar	72	30·091	·985	·106	30·015	−·009	30·044	81·7	73·2	8·5	84·9	71·2	13·7	77·6	80·6	77·8	+0·7	68·5	72·6	71·5	70·9
	Diego Garcia		29·966	·908‡	·058	29·937			81·7‖	75·2‡	6·5	82·5	73·2	9·3	78·0	79·5‡	78·5¶			73·7	74·4‡	
	Seychelles	15	·995	·925	·070	·963	−·010†	29·903	81·1	76·5	4·6	82·6	73·7	8·9	79·4	80·2	77·3	+0·7†	70·2	73·7	74·0	72·6
	Mauritius	181				·986	−·035	30·116				79·5	55·8	23·7			69·1	+1·1				64·6

‡ Mean of 30 days. ‖ Mean of 29 days. ¶ Mean of 28 days.

N.B.—Elevations in italics indicate barometric determinations.
NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

A—*concluded.*

stations in India, etc., in August, 1908—concluded.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of subdivision.
														Total number of 10 hrs. and 16 hrs. winds from								Mean wind direction.	Normal mean wind direction of month.								
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%					Hill Stations, excluding Kashmir and Baluchistan.	
·476	·528	·543	·517	—·009	91	92	94	94	+ 3	9·5	9·7	9·6	+0·7	16	14	1		3	22	1	2	3	S 14° W	N 33° E	13	19	66*	86	18·63	2·05	Simla.	
	·503	531				86	83			9·0	9·0	9·0		22	2	17	4	1	5	10		1	N 78° E		14		38*		22·64	5·20	Sarain.	
	·368	·377				96	94			10·0	9·8	9·9		16	8	1		1	27	5		4	S 14° W		32		123*		31·26	7·70	Kalabagh.	
·496	·556	·578	·544	+·002	99	95	94	97	+ 5	9·5	9·4	9·5	+0·9	31				1	30				S 1° E	S 66° W	50	42	70*	130	26·08	6·36	Chakrata.	
·445	·500	519	·488		98	89	86	92		9·1	7·7	8·4		18			7	19	8	4	5	1	S 27° E		42		173*		11·03	2·58	Muktesar.	
·630†	·678‡	·691	·666	—·016	92‡	73‡	72	80	— 2	6·0	6·9	6·5	—0·6	5	4	2	20	1	1	2	24	3	N 51° W	N 66° W	11	2	19	18	12·39	2·30	Katmandu.	
·454	·546	·550	517	+·006	97	90	92	94	— 2	7·4	8·1	7·8	—1·1	8	1	7	6	21	1	2	3	12	S 78° E	S 84° E	21	28	70*	89	19·29	3·32	Darjeeling.§	
·625	·676	·704	·674	+·006	94	96	92	95	+ 4	9·8	9·1	9·5	+0·4	2						5	46	8	N 88° W	N 81° W	89	73	‡ 275*	223	23·26	2·89	Pachmarhi.	
·623	·673	681	·665	+·049	98	99	98	99	+ 8	10·0	10·0	10·0	+1·6	1	2	2		2	7	36	10	2	S 48° W	S 57° W	72	75	259*	269	55·68	11·30	Mount Abu.	
·615	·651	·683	656	+·005	100	97	93	98	+ 3	9·3	8·4	8·9	0		1	1						60	N 43° W	N 36° W	98	74	184*	274	21·06	3·10	Chikalda.	
·356	·399	·422	·387		94	82	85	87		7·9	8·9	8·4		1	1			1		6	35	18	N 80° W		84		2·3*		3·23	0·54	Ootacamund.	
·322	·396	430	·383		82	76	88	82		5·6	8·9	7·3			10	2	5		1	1	11	32	N 41° W		69		321		5·08	1 70	Kodaikanal.	
·329	·362	·382	·353		96	88	90	91		9·0	9·7	9·4			1						37	24	N 72° W		92		119*		2·88	0·68	Dodabetta.	
																															Extra India.	
										4·5	5·7	5·0			1					7	24	30	N 71° W		85		210*		2·91	0 63	Minicoy.	
·639	·736	·655	·699	—·018	78	78	63	74	— 4	5·8	5·0	5·4	+0·5	2	1			16	28	13	2		S 1° E	S 9° E	77	77	159*	166	1·28	0·38	Zanzibar.	
	·777	·787‡				81	78‡			5·5‡	4·8‡	5·2					5	51	5				S 15° E		94		144		1·70	0·58	Diego Garcia.**	
·660	·760	·760	·735	—·012	72	76	73	75	— 3	5·9	6·2	6·1	—0·3†				4	49	9				S 42° E	S 35° E	93	89	315	316	1·06	0·21	Seychelles.	
			·543	+·035				76	+ 1			5·8	+0·3										S 71° E	S 68° E			271	296	2·71	1·06	Mauritius.	

† Departures from old normals.

* Corrected.

** Wind observations less 1.

§ „ variable 1.

Table B.—Abstract of observations taken at 8 hrs. at 240 stations in India, etc. in August, 1908.

(1) Provincial means.

(2) Data of stations.

(1) Provincial means based on the material in Table B (2) except that the statement of rainfall depends on the complete data of about 2,700 stations.

	Pressure departure from normal.	Temperature of air.								Wind.		Hygrometry.				Cloud.		Rainfall.		
		Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Absolute range during month.	Departure of velocity from normal.	Departure of steadiness from normal.	Mean humidity.	Departure from normal.	Mean vapour tension.	Departure from normal.	Mean cloud amount.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal
Burma	—·004	86·0	—0·7	75·1	0	80·6	—0·3	10·9	18·0	—0·8	— 4	91	+ 1	·870	—·002	8·3	+0·1	18·89	16·14	+2·75
Eastern Bengal and Assam	+·010	88·9	+1·3	77·8	—0·1	83·4	+0·6	11·1	17·3	—0·4	+ 9	88	— 3	·940	—·012	6·2	—2·4	10·82	15·85	—5·03
Bengal	—·019	89·1	+0·2	78·0	—0·1	83·6	0	11·1	17·6	+0·3	+17	87	0	·932	—·009	7·2	—0·3	10·94	12·19	—1·25
United Provinces of Agra and Oudh.	0	89·0	—0·5	77·5	—0·3	83·3	—0·4	11·5	19·4	—0·2	+34	86	0	·925	+·004	6·9	—0·2	14·56	11·52	+3·04
Punjab	+·025	91·1	—5·5	77·9	—1·2	84·5	—3·3	13·2	24·6	+0·4	+13	84	+ 9	·918	+·043	6·3	+2·0	14·13	5·70	+8·43
North-West Frontier Province	+·029	96·2	—4·0	79·0	—0·3	87·7	—2·2	17·2	31·3	+0·7	+ 4	81	+ 9	·943	+·052	3·9	+1·2	6·38	3·38	+3·00
Sind	—·014	95·2	—0·7	80·5	+0·9	87·9	+0·1	14·7	24·0	—3·5	—16	79	+ 4	·921	+·052	6·0	+1·0	2·78	2·21	+0·57
Rajputana	—·028	86·8	—5·2	76·4	—0·8	81·6	—3·0	10·3	18·7	—2·2	—46	88	+12	·877	+·084	8·3	+2·0	13·70	6·58	+7·12
Bombay	—·024	83·4	—2·0	73·9	—0·2	78·7	—1·2	9·5	15·0	—0·1	+ 5	87	+ 3	·818	+·007	8·2	+0·6	11·65	9·96	+1·69
Central India	—·034	83·6	—1·9	74·7	+0·6	79·2	—0·7	8·9	15·4	—0·7	— 6	92	+ 5	·848	+·024	9·2	+1·5	15·26	11·28	+3·98
Central Provinces	—·026	82·7	—2·5	73·1	—0·2	77·9	—1·4	9·6	16·4	+0·9	+10	89	+ 2	·779	—·016	9·0	+1·0	14·81	10·26	+4·55
Hyderabad	—·017	85·4	—0·6	71·4	—0·2	78·4	—0·4	14·0	22·3	+0·7	+ 8	83	0	·713	—·015	7·2	0	6·12	7·10	—0·98
Mysore	—·008	80·2	—1·4	65·9	—0·3	73·0	—0·9	14·4	20·5	+1·4	+ 8	86	+ 3	·633	+·004	8·8	+0·4	3·84	5·13	—1·29
Madras	—·009	91·3	+0·5	76·2	+0·4	83·8	+0·5	15·1	22·9	+0·9	+ 5	75	— 1	·776	—·012	6·7	0	5·57	6·00	—0·43

Tab

(2) Abstract of observations taken at 8 hrs., at 2

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
	I.—Burma.																						
2	Mergui . .	56	29·834*	+·008	29·822*	29·909	29th	29·747	27th	·162	76·2	83·2	−1·0	73·8	+1·2	78·5	+0·1	9·4	87·9	18th	71·4	30th	1
	Tavoy . . .	19	29·850	−·014	29·801	29·953	29th	29·755	27th	·198	76·0	80·8	−2·0	74·2	+0·4	77·6	−0·8	6·6	85·0	4th	70·8	12th	1
	Moulmein . .	94	29·739†	+·004	29·771	29·840	29th	29·623	27th	·217	76·1	81·5	−1·5	73·8*	−0·3	77·7*	−0·9	7·7	84·5	1st, 7th & 19th, 7th	66·3	29th	1
	Rangoon . .	36	29·770	−·017	29·743	29·879	29th	29·644	27th	·235	78·1	84·3	−0·8	75·5	−0·2	79·9	−0·5	8·8	88·1		73·9	30th	1
	Bassein . .	27?	29·766	−·008	29·731	29·853	29th	29·637	27th	·216	77·5	84·1	−0·4	75·4	−0·3	79·8	−0·4	8·7	88·2	15th	74·4	2nd, 6th & 26th.	1
	Diamond Island .	41	29·756	−·016	29·732	29·841	30th	29·634	27th	·207	79·7	83·4	−0·9	75·4	−0·2	79·4	−0·6	8·0	90·9	15th	73·7	21st & 22nd.	1
	Toungoo . .	164	29·632	−·002	29·739	29·725	29th	29·512	27th	·213	78·3	87·0	+0·3	75·2	+0·2	81·1	+0·3	11·8	91·5	11th	74·2	8 days	1
	Kyaukpyu . .	18	29·741†		29·700†	29·820	23rd	29·604	27th	·216													
	Akyab . . .	20	29·707	−·025	29·670	29·832	30th	29·568	27th	·266	79·3	83·8	−0·6	77·2	−0·1	80·5	−0·4	6·6	86·9	10th, 11th & 14th.	75·8	21st, 23rd & 30th.	1
3	Thayetmyo . .	121	29·640	−·012	29·703	29·740	30th	29·515	27th	·225	79·6	88·8	−0·1	76·4	+0·3	82·6	+0·1	12·4	93·5	27th	74·9	2nd	1
	Minbu . .	*165*	29·614?	+·032?	29·724?	29·754	30th	29·522	27th	·232	78·8	88·4	−2·2	76·1	−0·9	82·3	−1·6	12·3	92·8	22nd	74·5	3rd & 27th.	1
	Yamethin . .	657	29·095	−·013	29·709	29·189	30th	28·987	27th	·202	77·0	88·4	−1·4	74·4	+0·1	81·5	−0·7	14·0	92·3	4 days	73·0	3rd, 17th & 24th.	1
	Mandalay . .	250	29·505	+·010	29·705	29·602	30th	29·404	27th	·198	80·9	94·0	+0·7	72·3‡	−5·3?	82·8‡	−2·3?	21·7	101·0	28th	69·9	29th	3
	Monywa . .	*280*	29·483		29·705	29·595	30th	29·397	27th	·198	81·3	93·8		78·7		86·3		15·1	97·8	4th	71·6	30th	2
	Lashio . . .	*2,751*	26·993	+·004	26·939	27·096	29th	26·924	22nd	·172	73·1	83·5	+0·4	69·3	+0·2	76·5	+0·3	14·2	87·3	6th, 11th & 21st.	64·0	26th	2
	Bhamo . .	*381*	29·370	+·025	29·708	29·486	29th	29·301	27th	·185	78·4	89·7	+1·6	75·5	+0·1	82·6	+0·9	14·2	94·4	3rd & 11th	72·6	26th	2
	Myitkyina . .	458	29·270		29·687	29·400	29th	29·187	22nd	·213	78·3	89·1		75·2		82·1		13·9	94·2	20th	72·0	26th	2
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh . .	353	29·357		29·669	29·451	31st	29·298	16th	·153	78·9	87·9		76·3		82·1		11·6	93·4	4th & 22nd.	74·1	27th & 29th.	1
	Sibsagar . .	333	29·407	+·024	29·696	29·496	31st	29·325	16th	·171	81·1	87·7	−1·5	77·6	−0·1	82·6	−0·8	10·1	93·6	4th	75·2	5th & 16th.	1
	Tezpur . .	252	29·455		29·665	29·551	31st	29·387	16th	·154	80·1	89·8		77·5		83·7		12·3	95·6	4th	74·4	12th & 13th.	2
	Gauhati . .	195	29·520*		29·670	29·627	30th	29·445	16th	·182	80·4	91·0		77·4		84·2		13·6	96·0	3rd	74·6	13th	2
	Dhubri . .	115	29·573	+·010	29·643*	29·696	30th	29·499	16th	·197	80·1	86·3	+0·3	78·1	−0·2	82·2	+0·1	8·2	90·0	16th	76·3	30th	1
	Silchar . .	104	29·628	+·010	29·685	29·735	30th	29·553	10th & 27th.	·182	79·9	90·2	+0·7	76·7	−0·1	83·5	+0·3	13·5	95·8	3rd & 8th.	74·8	8th	2
5	Cox's Bazar . .	36	29·672			29·797	31st	29·550	27th	·247													
	Chittagong . .	87	29·617	−·010	29·652	29·756	31st	29·512	27th	·244	80·9	87·2	+1·7	75·6	−0·5	81·4	+0·6	11·6	90·6	2nd	73·9	22nd	16
	Noakhali . .	43	29·652		29·642	29·765	31st	29·588	1st	·177	80·5	85·4		77·4		81·4		8·0	87·8	28th & 29th.	75·9	21st, 30th 31st,	11
	Barisal . .	12	29·653	+·001	29·611	29·767	31st	29·586	1st	·181	81·5	87·0	+0·2	78·0	−0·2	82·6	0	9·0	89·8	28th	76·6	5 days	13
	Comilla . .	36	29·658		29·642	29·763	31st	29·586	27th	·177	80·3	89·0		76·6		82·8		12·4	94·3	28th	74·8	30th	19
	Narayanganj .	26	29·656	+·009	29·630	29·742	30th	29·575	27th	·167	82·0	89·5	+2·0	78·7	−0·3	84·1	+0·9	10·8	93·5	29th	76·3	21st & 30th.	17
	Faridpur . .	46	29·624		29·620	29·736	31st	29·557	10th	·179	81·6	87·7		78·2		83·0		9·5	90·8	29th	76·4	1st & 30th.	14
	Sirajganj . .	49	29·624		29·623	29·752	30th	29·549	16th	·203	81·6	88·3		78·3		83·4		10·0	91·3	29th	76·8	7 days	14
	Mymensingh .	63	29·633	+·015	29·648	29·741	31st	29·574	16th & 20th.	·167	82·0	89·0	+2·1	78·5	+0·4	83·7	+1·3	10·5	93·1	29th	76·1	1st & 2nd	17
	Bogra . . .	75	29·599*	+·008	29·625	29·698	31st	29·540	10th	·158	82·8	90·6	+2·3	78·3	−0·1	84·5	+1·1	12·3	95·2	29th	76·7	1st, 2nd & 3rd.	18
	Rampur Boalia .	70	29·591		29·610*	29·695	31st	29·524	16th	·171	82·8	89·0		78·8		83·9		10·2	92·6	29th	76·6	30th	16
	Malda . . .	72	29·572		29·596	29·678	31st	29·488	16th	·180	82·4	90·4		79·0		84·7		11·4	94·3	29th	77·5	29th & 30th.	16
	Dinajpur . .	123	29·534*	+·006	29·612	29·645	31st	29·459	16th	·186	80·6	90·8	+2·0	78·1	−0·5	84·5	+0·8	12·7	94·3	29th	76·5	7th & 8th.	17
	Rangpur . .	123	29·572		29·650*	29·684	31st	29·503	16th	·181	82·6	89·9		78·0		84·0		11·9	93·6	29th	76·0	28th	17

* Mean of 30 days. † Mean of 26 days. ‡ „ „ 4 „

N.B.—Elevations in italics indicate barometrical determinations.

Note—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

B.

stations in India, etc., in August, 1908.

Wind direction. Number of winds from Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st August 1908.	Normal rainfall for period, 1st May to 31st Aug.	Departure from normal of period, 1st May to 31st August 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																I.—Burma.
6				17	1	7			S 21° E	N 87° W		1·7		66	+ 6	97	+ 5	·860	+·066	5·7	—1·9	30	25·60	+5·00	39·74	29·97	+9·77	127·67	111·02	+16·65	3·28	Mergui.
31									(a)	S 62° W	1·1‖	1·6	—0·5			94	+ 1	·854	—·011	8·2	—0·2	31	27·40	+3·60	44·15	47·29	—3·14	156·02	160·05	—4·03	3·50	Tavoy.
13			2	11	5				S 7° W	S 4° W	4·0	3·8	+0·2	53	— 2	96	+ 2	·868	—·002	9·4	+1·4	30	27·10	+2·90	51·45	40·63	+10·82	159·49	142·37	+17·12	5·87	Moulmein.
2		2	1	12	13	1			S 18° W	S 57° W	5·0	4·4	+0·6	76	+15	92	— 2	·893	—·018	9·6	+0·4	26	23·90	+2·10	30·80	19·85	+10·95	84·77	69·57	+15·20	4·23	Rangoon.
12			3	9	4	2	1		S 14° W	S 15° W	3·8	4·2	—0·4	43	—14	95	+ 1	·907	—·008	7·2	—1·4	28	25·40	+2·60	26·37	23·17	+3·20	83·62	82·35	+1·27	2·10	Bassein.
2				3	18	7	1		S 53° W	S 46° W	11·1	8·9	+2·2	82	+ 7	88	+ 2	·902	+·012	8·5	—0·1	29	22·10	+6·90	33·72	23·45	+10·27	106·20	82·85	+23·35	2·77	Diamond Island.
4	1	7	13	6					S 49° E	S 34° E	5·0	4·2	+0·8	69	— 6	94	+ 2	·911	+·010	9·5	+0·2	30	21·30	+5·70	23·06	18·68	+4·38	69·80	57·00	+12·80	3·36	Toungoo.
1	1	4	11	8	1	5			S 21° E		5·4			55						8·5		30			48·30			147·02			6·02	Kyaukpyu.
6		9	7	6	2	1			S 13° E	S 39° E	3·7	3·4	+0·3	56	+ 2	95	+ 1	·956	+·007	8·7	—0·3	29	26·60	+2·40	55·99	42·00	+13·99	143·98	151·29	—7·31	8·31	Akyab.
			11	15	5				S 9° E	S 10° E	5·7‖	6·4	—0·7	86	+ 4	86	+ 1	·865	—·008	9·0	+0·3	17	13·20	+3·80	7·89	6·43	+ 1·46	27·20	23·77	+3·43	2·11	Thayetmyo.
	1		24	5		1			S 33° E	S 39° E	5·6	12·2	—6·6	86	— 6	85	0	·837	—·035	8·2	+2·0	20	8·60	+11·40	14·27	5·10	+9·17	25·14	19·99	+5·15	2·52	Minbu.
1			17	15					S 26° E	S 28° E	5·2*	8·3	—3·1	92	+ 4	89	+ 2	·811	—·034	9·3	+4·3	16	11·50	+4·50	9·03	6·40	+2·63	20·14	21·54	—1·40	2·63	Yamethin.
22			7	2					S 36° E	S 1° W	5·6	8·0	—2·4	30	—50	78	0	·817	—·041	4·5	—3·1	6	7·00	—1·00	2·84	3·99	—1·15	14·82	18·38	—35·6	0·85	Mandalay.
2		4	20	4			1		S 45° E		4·2			76		83		·888		9·0		7	7·70	—0·70	4·34	4·62	—0·28	13·37	16·03	—2·66	1·30	Monywa.
																90	— 1	·739	—·003	8·1	—0·9	18			13·19	12·84	+0·35	35·26	44·38	—9·12	2·25	Lashio.
30	1								N 45° E	N 89° W	1·3	1·6	—0·3	3	— 9	95	+ 3	·929	+·031	8·4	+0·2	15	19·60	—4·60	14·10	16·55	—2·45	56·10	55·74	+0·36	4·60	Bhamo.
9	5	8	3	2	3	1			S 76° E		2·3‖			37		91		·882		8·7		19			13·21			48·17			2·92	Myitkyina.
																																II.—Eastern Bengal and Assam.
31									(a)							92		·906		8·7		12	18·40	—6·40	8·82	19·25	—10·43	78·62	73·88	+4·74	1·70	Dibrugarh.
20	1	4				4	1	1	N 45° W	S 1° W	1·4	2·7	—1·3	10	— 6	88	— 6	·930	—·034	7·3	—1·8	16	17·70	—1·70	7·56	16·54	—8·98	52·15	59·87	—7·72	1·47	Sibsagar.
22		3	4	1			1		N 70° E		2·7			20		92		·913		7·8		15	15·50	—0·50	10·25	13·14	—2·89	42·52	48·46	—5·94	1·55	Tezpur.
23	2	2	1	2		1			N 68° E		1·5			10		89		·934		8·1		13	13·30	—0·30	9·01	10·56	—1·55	40·80	42·37	—1·57	3·15	Gauhati.
13	4	12	2						N 85° E	S 69° E	6·6	4·4	+2·2	53	+21	92	+ 1	·960	+·019	2·4	—6·1	7	14·50	—7·50	4·29	13·29	—9·00	56·75	67·38	—10·63	1·30	Dhubri.
27		1	2			1			S 45° E	S 27° E	2·9	2·5	+0·4	3	+ 1	90	— 1	·921	—·016	4·6	—4·7	17	21·50	—4·50	22·26	20·26	+2·00	73·70	77·92	—4·22	3·11	Silchar.
		3	21	6	1				S 39° E		7·6‖			86						6·4		22			15·67			91·39			1·63	Cox's Bazar.
2		2	25	2					S 45° E	S 41° E	4·3	6·3	—2·0	92	+20	85	— 4	·896	—·016	6·4	—1·8	14	17·94	—3·94	4·57	16·86	—12·29	60·70	68·87	—8·17	0·69	Chittagong.
2		10	16	2	1				S 56° E		6·8			81		88		·909		5·9		24	22·58	+1·42	22·45	23·93	—1·48	69·70	79·38	—9·68	5·02	Noakhali.
6	1	5	11	7	1				S 41° E	S 17° E	3·0	3·6	—0·6	66	+30	89	0	·949	—·016	4·3	—4·3	24	18·74	+5·26	13·14	12·29	+0·85	49·35	51·52	—2·17	2·61	Barisal.
10			15	6					S 33° E		3·4			65		88		·916		4·0		16	17·14	—1·14	7·76	15·80	—8·04	65·61	61·77	+3·84	0·90	Comilla.
2		13	15	1					S 62° E	S 32° E	6·0	7·1	—1·1	86	+18	88	— 2	·967	—·005	7·5	—1·2	14	17·83	—3·83	6·84	12·01	—5·17	49·62	46·40	+3·22	1·90	Narayanganj.
2		8	18	3					S 53° E		4·0			84		88		·956		7·2		16	16·22	—0·22	5·79	12·08	—6·29	48·17	45·60	+2·57	0·82	Faridpur.
5	1	5	19	1					S 54° E		3·0			74		88		·954		7·2		7	13·87	—6·87	3·61	10·86	—7·25	33·[illegible]	41·68	—8·60	1·43	Sirajganj.
5		15	9	2					S 69° E	S 56° E	2·7	3·6	—0·9	72	+ 4	86	— 5	·939	—·016	7·9	—0·1	15	18·90	—3·90	6·19	14·34	—8·15	45·40	59·97	—14·57	1·22	Mymensingh.
18		13							E	S 55° E	2·1	3·6	—1·5	92	—29	83	— 6	·937	—·031	6·3	—0·9	9	15·90	—6·90	2·63	11·62	—8·99	32·64	45·20	—12·56	0·45	Bogra.
24		1	5	1					S 45° E		2·5			26		86		·971		5·5		12	14·68	—2·68	4·44	10·53	—6·09	25·14	38·23	—13·09	0·80	Rampur Boalia.
	4	12	12	3					S 51° E		7·1‖			45		87		·969		4·4		6	14·48	—8·48	4·54	10·27	—5·73	24·42	35·08	—10·66	1·25	Malda.
2	3	22	4						S 89° E	S 68° E	5·2	3·8	+1·4	89	+21	90	0	·946	—·017	6·0	—2·0	8	15·71	—7·71	3·12	14·01	—10·89	27·01	50·01	—23·00	0·76	Dinajpur.
1	2	10	14	4					S 58° E		1·8			78		83		·934		4·5		7	13·35	—6·35	4·84	13·02	—8·18	33·78	59·35	—25·57	1·55	Rangpur.

(a) Indeterminate. * Mean of 30 days. ‖ Uncorrected.

Ta

(2) *Abstract of observations taken at 8 hrs., at 240 stati*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	II.—Eastern Bengal and Assam—*concld.*																					
5	Jalpaiguri	283	29·410	+·022	29·660	29·542	31st	29·328	1st	·214	82·0	91·0	+2·9	77·7	+1·0	84·4	+2·0	13·3	94·4	6th, 16th & 17th.	74·9	3rd
	Cooch Behar	156	29·543		29·653	29·656	31st	29·473	16th	·183	81·9	89·1		78·1		83·7		11·0	92 3	4 days	75·1	30th
	III.—Bengal.																					
6	Saugor Island	25	29·580	−·041	29·549	29·702	31st	29·465	1st	·237	83·0	89·1	+0·9	79·3	−0·5	83·7	+0·2	8·8	91·0	5 days	77·0	7th & 17th.
	Midnapore	149	29·465		29·560	29·559	31st	29·358	1st	·201	81·7	88·2		78·3		83·3		9·9	91·8	19th	75·2	4th
	Calcutta	21	29·601	−·020	29·571	29·723	31st	29·517	1st	·206	81·6	88·3	+1·2	78·9	+0·6	83·6	+0·9	9·4	90·6	10th, 20th & 26th.	76·7	30th
	Jessore	33	29·622	−·003	29·602	29·745	31st	29·553	1st	·190	82·7	87·7	−0·9	78·2	−0·5	83·0	−0·7	9·5	90·5	12th & 29th.	76·7	21st & 30th.
	Krishnagar	47	29·589		29·585	29·646	31st	29·503	1st	·187	84·7	89·3		79·3		84·3		10·0	92·1	19th	77·0	17th
	Burdwan	99	29·535	−·010	29·581	29·649	31st	29·452	1st	·197	81·8	88·6	−0·6	79·1	0	83·9	−0·3	9·5	91·9	12th	77·3	28th
	Bankura	313	29·293		29·556	29·388	31st	29·209	1st	·179	81·1	88·0		78 0		83·0		10·0	91·1	1st	75·2	30th
	Asansol	534	29·296		29·582	29·400	31st	29·215	1st	·185	80·4	88·8		78·0		83·4		10·8	91·5	1st	75·5	30th
	Berhampore	67	29·582	−·004	29·598	29·695	31st	29·512	16th	·183	81·6	88·8	+0·2	78·7	0	83·8	+0·1	10·1	92·1	29th	77·7	2nd & 6th,
	Naya Dumka	489	29·153		29·599	29·216	30th & 31st	29·093	1st	·123	80·5	88·4		77·4		82·9		11·0	91·4	29th	75·0	29th
7	Balasore	50	29·556	−·030	29·550	29·663	31st	29·414	1st	·249	81·2	86·8	−1·1	78·5	+0·5	82·7	−0·3	8·3	89·9	6th & 19th.	77·3	5 days
	False Point	21	29 598	−·036	29·561	29·697	31st	29·444	1st	·253	80·4	85·1	−1·9	77·2	−1·0	81·2	−1·5	7·9	88·1	9th, 11th & 19th.	74·6	20th & 21st.
	Cuttack	80	29·523	−·048	29·546	29·690	25th	29·374	1st	·226	80·2	86·5	−2·6	77·5	−0·8	82·0	−1·7	9·0	90·4	15th	74·2	20th & 21st.
	Puri	24	29·597		29·560	29 687	31st	29·444	1st	·243	81·4	85·9		78·6		82·3		7·3	89·6	10th & 11th,	74·6	20th & 21st.
	Angul	455	29·152		29·566	29·235	31st	28·998	1st	·237	79·2	85·2		76·3		80·8		8·9	89·1	15th	73·0	2nd & 3rd
	Sambalpur	486	29·135	−·035	29·569	29·201	25th	28·973	1st	·228	79·3	85·5	−1·7	76·8	−0·4	81·2	−1·1	8·7	90·6	12th	74·6	10th
8	Chaibassa	*733*	28·863	−·024	29·546	28·948	31st	28·760	1st	·188	78 9	87·2	−1·4	76·7	−0·3	81·9	−0·9	10·5	90·3	1st, 6th & 9th.	72·7	14th
	Ranchi	4,128	27·505	−·014	29·577	27·585	31st	27·420	1st	·165	74·4	83·0	−0·3	72·9*	+0·3	77·9*	0	10·1	86·7	20th	71·4	30th & 31st
	Purulia	*816*	28·793		29·558	28·886	31st	28·699	1st	·187	77·7	87·7		75·8		81·8		11·9	80 5	1st, 23rd & 24th,	73·6	27th & 28th.
	Hazaribagh	2,007	27·622	−·019	29·571	27·687	31st	27·547	1st	·140	75·7	83·2	−0·5	73·4	+0·2	78·3	−0·2	9·8	86·7	24th	72·3	7 days
	Daltonganj	*730*	28·876		29·580	28·949	13th	28·798	1st	·151	80·7	89·8		77·5		83·7		12·3	94·0	6th & 13th.	76·0	4th & 29th.
9	Purnea	122	29·535	+·007	29·612	29·657	31st	29·460	16th	·197	80·7	90·1	+0·9	77·9	−0·5	84·0	+0·2	12·2	93·5	29th	76·2	7th
	Bhagalpur	160	29·488		29·596	29·593	31st	29·421	16th	·172	84·5	92·7		78·9		85·8		13·8	96·2	6th & 29th.	77·3	25th, 30th & 31st.
	Monghyr	155	29·478		29·585	29·571	31st	29·413	26th	·158	84·0	92·4		78·9		85·6		13·5	95·9	6th	74·9	28th
	Darbhanga	165	29·482	+·008	29·602	29·587	31st	29·414	16th & 26th.	·173	82·8	92·5	+4·0	73·8	−0·5	85·6	+1·8	13·7	96·6	24th	75·3	7th
	Pusa	188	29·455		29·595	29·553	31st	29·385	20th	·168	83 3	91·1		78·2		86·2		15·9	99·0	24th	73·9	21st
	Muzaffarpur	178	29·463		29·596	29·565	31st	29·392	26th	·173	83·4	92·8		79·1		86·0		13·7	96·7	24th	75·5	28th
	Motihari	224	29·422		29·604	29·515	31st	29·346	26th	·169	82·7	93·2		78·9		86·1		14·3	97·4	24th	75·3	7th
	Chapra	181	29·442‡		29·554	29·505	30th	29·369	27th	·136	83·5	93·1		79·2*		86·2*		13·9	96·7	20th	74·9	27th
	Patna	183	29·439	−·011	29·575	29·523	31st	29·378	26th	·145	84·4	92·7	+3·6	80·1	+0·6	86·4	+2·1	12·6	97·5	24th	74·7	27th
	Arrah	190	29·435		29·577	29·511	31st	29·374	26th	·137	83·9	92·5		79·5		86·0		13·0	96·9	6th	75·7	27th
	Buxar	239	29·366		29·560	29·438	13th	29·305	1st	·133	82·5	91·3		78·7		85·0		12·6	96·0	6th	73·6	13th
	Dehri	351	29·247		29·550	29·308	13th	29·179	1st	·129	82·3	90·5		79·3		84·9		11·2	96·3	6th	76·5	2nd
	Gaya	375	29·228	−·021	29·555	29·293	31st	29·157	1st	·136	82·7	92·9	+2·9	79·0	+0·6	86·0	+1·8	13·9	98·4	24th	75·7	27th
	IV.—United Provinces of Agra and Oudh.																					
10	Gorakhpur	257	29·371	+·010	29·584	29·460	13th	29·299	26th	·170	83·6	90·9	+1·1	78·4	−0·4	84·7	+0·4	12·5	96·1	6th	74·0	13th
	Benares	267	29·335	−·011	29·556	29·421	13th	29·258	1st	·163	82·1	90·7†	+1·2	78·5	−0·3	84·6†	+0·5	12·2	94·6	12th	75·1	13th
	Allahabad	308	29·289?	−·034?	29·531?	29·356	13th	29·184	1st	·172	83·2	90·2	+0·4	78·5	−0·1	84·4	+0·2	11·7	96·1	6th	75·0	29th

N.B.—Elevations in italics indicate barometrical determinations.

* Mean of 30 days. † Mean of 28 days.

‡ „ „ 22 „

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations the elevations of which exceeded 3,500 feet.

B—*continued*

in India, etc., in August, 1908—continued.

Wind direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st August 1908.	Normal rainfall for period 1st May to 31st August.	Departure from normal of period, 1st May to 31st August 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																II.—Eastern Bengal and Assam—*concld.*
8		4	1	18					S 59° E	N 78° E	1·6			62	+ 5	87	— 5	·958	+·012	6·9	−1·4	17	18·38	−1·38	13·43	21·87	−11·44	59·46	93 15	−33·69	3·12	Jalpaiguri.
14		1	9	6	1				S 70° E		1·7			48		85		·936		7·4		15	16·72	− 1·72	7·79	20·42	−12·63	86·99	93·41	− 6·42	1·86	Cooch Behar.
																																III.—Bengal.
		4	7	3	8	7	2		S 23° E	S 10° W	12·6	13·4	−0·8	43	— 4	90	+ 1	·985	−·005	8·4	−0·7	22	17·00	+ 5 00	15·04	15·68	— 0·64	40·42	46·74	−6·32	4·45	Saugor Island.
1	6	8	4	2	8	2			N 84° E		3·3			32		86		·916		5·7		20	16·00	+ 4·00	13·40	12·51	+ 0·89	49·35	41·27	+ 8·08	1·83	Midnapore.
1		2	15	10	2	1			S 70° E	S 18° E	§4·9	4·7	+0·2	79	+32	90	+ 1	·979	+·015	8·6	+0·1	22	18·88	+ 3·12	14·43	12·38	+ 2·05	69·83	41·68	+28·15	1·51	Calcutta.
11			4	14	2				S 49° E	S 25° E	1·2	3·7	−2·5	59	+ 9	85	— 6	·962	−·036	8·0	−0·4	16	17·03	− 1·03	6·63	10·55	− 3·92	44·93	43·07	+ 1·86	1·33	Jessore.
2		1	15	10	3				S 69° E		2·9			78		92		·987		7·7		21	14·26	+ 6·74	11·41	10·25	+ 1·16	46·65	37·04	+ 9·01	1·59	Krishnagar.
8		4	12	4	2			1	S 83° E	S 32° E	2·9	3·4	−0·5	56	+24	89	+ 2	·964	+·021	8·9	+0·2	16	16·48	− 0·48	9·04	11·25	− 2·21	55·61	40·00	+15·61	2·26	Burdwan.
17			7	5	1	1			S 63° E		3·0			36		87		·908		7·3		18	16·66	+ 1·34	13·25	11·66	+ 1·59	43·82	38·74	+ 5·08	2·55	Bankura.
9		2	11	8	1				S 74° E		2·7			58		92		·959		9·0		19	16·00	+ 3·00	10·74	13·01	− 2·27	36·47	40 86	− 4·39	1·15	Ranigany.
	1	1	20	8	1				S 79° E	S 79° E	5·3	4·0	+1·3	86	+46	87	— 5	·949	−·038	9·0	+0·1	15	16·39	− 1·39	5·14	11·71	− 6·57	37·92	37·17	+ 0·75	0·68	Berhampore.
9		2	10	10					S 72° E		2·4			65		87		·919		5·8		21	18·23	+ 2·77	10·89	13·41	− 2·52	39·67	41 11	− 1·44	1·22	Naya Dumka.
1	3	5	3	1	5	10	2	1	S 25° W	S 41° W	3·3	4·3	−1·0	23	−17	88	— 1	·927	−·047	6·8	−1·5	21	16·3	+ 4·97	19·22	11·34	+ 7·88	35·39	40·31	− 4·92	2·66	Balasore.
7		1	1		2	9	9	2	S 67° W	S 57° W	8·1	9·8	−1·7	53	− 8	90	+ 2	·938	−·020	9·0	+0·7	20	16·16	+ 3 8.	16·47	13·68	+ 2·79	40 18	39·10	+ 1·08	1·80	False Point.
9	2	1	1	1	2	8	6	1	S 63° W	S 66° W	§2·8	2·7	+0·1	37	−10	88	+ 5	·916	+·020	6·1	−1·5	21	16·19	+ 1·81	25·91	13·20	+12·71	54·65	39·72	+14 93	5·20	Cuttack.
5	3	1				13	5	4	S 79° W		11·1			52		87		·943		7·6		20	12·85	+ 7·15	18·69	12·13	+ 6·56	40·84	32·97	+7·87	5·30	Puri.
1	1	1	3	4	2	2	7	10	N 72° W		7·3			29		88		·883		6·8		20			14·42			36·28			3·60	Angul.
		1	2		2	18	7	1	S 53° W	S 30° W	5·1	4·4	+1·0	72	+12	87	+ 1	·887	+·001	9·3	+1·2	28	17·10	+10·90	29·78	17·63	+12·15	69·80	56·42	+16·38	3·92	Sambalpur.
6		3	10	5		3	4		S 69° E	S 51° W	3·2	1·8	+1·4	37	+ 4	92	+ 5	·900	−·003	8·4	+0·7	23	16 91	+ 6·06	18·00	11·77	+ 6·23	40·01	36·96	+ 3·05	3·46	Chaibassa.
1	3	8	10	5	2	3		1	N 89° E	S 56° W	7·7	7·3	+0·4	48	+34	93	+ 4	·792	−·007	9·2	+1·2	24	17·84	+ 6·16	14·11	11·27	+ 2 84	44·34	39·52	+ 4·82	1·90	Ranchi.
5	1	9	11		3		2		N 75° E		4·0			52		97		·921		8·0		23	16·52	+ 6·48	15·76	12·30	+ 3·46	41·81	37·52	+ 4·29	2·27	Purulia.
	1	4	9	8	6	2	1		S 58° E	S 5° W	7·5	7·7	−0·2	56	+31	87	— 2	·769	−·034	8·7	−0·1	16	17·77	− 1·77	8·96	12·60	− 3·64	38·14	38·45	− 0·31	2·37	Hazaribagh.
21	3	1	6						N 60° E		3·9			26		87		·917		7·1		23	15·74	+ 7·26	14·13	12·11	+ 2·02	26·51	31·76	− 5·25	2·65	Daltonganj.
11		7	13						N 74° E	S 89° E	2·4	3·0	−0 6	59	+ 5	94	+ 4	·979	−·001	6·8	−0·8	6	16·57	−10·57	2·51	14·40	−11·89	18 85	43·75	−24·90	0·77	Purnea.
9		8	9	5					N 84° E		4·1			58		79		·942		6·5		8	13·32	− 5·32	3·85	11·26	− 7·41	11·55	34 55	−23·00	1·16	Bhagalpur.
1		1	17	11				1	S 76° E		10·1			84		82		·965		8·1		14			7·09			14·07			1·26	Monghyr.
		3	26	1	1				N 89° E	S 74° E	5·4	4·4	+1·0	96	+32	84	— 5	·950	−·022	6·9	+0·1	6	14·07	− 8·07	4·52	13·66	− 9·14	20·09	36·68	−16·59	1·47	Darbhanga.
9			22						E					7		83		·951		5·4		5			3·85			13·49			1·34	Pusa.
		4	15	9					S 81° E		7·3			86		81		·917		3·6		9	13·03	− 4·03	4·73	10·64	− 5·91	15·26	32·19	−16·93	1·89	Muzaffarpur.
1		12	18						N 72° E		5·3			90		82		·932		4·0		5	12·97	− 7·97	2·80	12·23	− 9·43	13·16	36·27	−23·11	1·00	Motihari.
	1	13	11	6					N 76° E		2·8			81		83		·954		5·9		6	12·61	− 6·61	4·70	9·73	− 5·03	11·28	28·77	−17·49	1·80	Chapra.
			13	15	2	1			S 60° E	S 78° E	12·0	4·4	+7·6	86	+32	83	— 4	·887	+·018	7·3	−1·6	7	13·52	− 6·52	5·10	12·58	− 4·48	19·24	35·71	−16·47	6·32	Patna.
5	1	9	7	6	2	1			N 24° E		3·1			32		84		·981		5·8		11	12·87	− 1·87	12·56	10·50	+ 2·06	22·71	32·27	− 9·56	6·17	Arrah.
1		2	25	1			1	1	N 88° E		4·1			81		86		·941		6·6		13	12·35	− 0·35	11·61	11·29	+ 0·32	27·08	29·33	− 2·25	3·78	Buxar.
1		2	15	9	1		2	1	S 76° E		9·5			65		85		·947		8·0		12	14·44	− 2·44	8·81	12·92	− 4·11	16·74	31·91	−15·17	2·07	Dehri.
4	1	21	2	2		1			N 52° E	S 52° E	3·2	3·7	−0·5	72	+53	83	− 3	·931	0	5·6	−2·4	13	14·26	− 1·26	6·82	13·18	− 6·36	15·88	35·26	−19·38	3·17	Gaya.
																																IV.—United Provinces of Agra and Oudh.
15		14		2					N 53° E	S 88° E	§1·0	2·2	−1·2	46	+10	80	− 8	·933	−·022	5·9	0	9	16·10	− 5·10	7·87	13·24	− 5·37	20·44	37·42	−16·98	4·53	Gorakhpur.
5	1	2	17	5		1			S 85° E	S 54° E	3·3	4·1	−0·8	69	+58	88	— 1	·958	−·005	7·8	−0·2	19	13·40	+ 5·60	12·45	12·05	+ 0·40	22·28	30·37	− 8·09	2·53	Benares.
3		7	15	3		1	1	1	N 82° E	N 79° W	5·0	6·6	−1·6	66	+62	85	− 2	·936	−·018	8·6	−0·1	20	11·80	+ 8·20	16·81	12·03	+ 4·78	30·15	30·89	− 0·74	4·21	Allahabad.

§ Uncorrected.

(2) *Abstract of observations taken at 8 hrs., at 240*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.							Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	2
	IV.—United Provinces of Agra and Oudh—*concld.*																					
10	Cawnpore	416	29·179	—·012	29·552	29·210	29th	29·075	1st	·195	81·9	96·2	+0·3	77·9	—0·4	84·1	—0·1	12·3	94·9	24th	75·5	4 da
	Lucknow	368	29·239	—·003	29·568	29·317	13th & 30th.	29·145	1st	·172	81·7	90·0	−0·3	78·2	—0·4	84·1	—0·4	11·8	95·5	24th	76·1	4 da
	Bahraich	401	29·211	+·004	29·570	29·294	29th	29·126	27th	·168	83·4	93·0	+3·1	79·5	+1·5	86·3	+2·3	13·5	97·6	24th	76·0	28th
11	Jhansi	835	28·784	—·010	29·582	28·864	30th	28·705	1st	·159	79·1	85·3	−3·6	76·7	—0·4	81·0	—2·0	8·6	90·0	7th	74·0	26th
	Agra	556	29·039	—·018	29·554	29·137	30th	28·933	1st	·204	81·2	89·1	−2·0	78·7	—0·1	83·9	—1·1	10·4	94·0	23rd	76·0	1st
	Mainpuri	516	29·074*	—·005*	29·545*	29·144	29th	28·996	27th	·148	81·7	89·3†	−1·6†	78·7‡	+0·5‡	84·1‡	—0·6	10·6	95·3	23rd	76·6	26th
	Bareilly	568	29·040	+·004	29·571	29·122	31st	28·920	1st	·202	81·4	88·8	−1·1	77·5	—0·5	83·2	—0·8	11·3	93·8	23rd	75·0	8th
	Meerut	738	28·865	0	29·565	28·944	30th	28·731	1st	·213	80·7	89·1	−1·8	77·1	—1·2	83·1	—1·5	12·0	94·1	23rd	73·8	7th
	Roorkee	899	28·732	+·021	29·595	28·810	29th	28·616	1st	·194	81·1	88·0	−2·7	76·8	—0·2	82·4	—1·5	11·2	93·0	23rd	73·4	31st
	Dehra Dun	2,233	27·440	+·016	29·614	27·517	31st	27·319	1st	·198	75·7	83·2	−0·8	72·5	—0·6	77·9	—0·7	10·7	89·0	31st	70·5	5th 28th
	V.—Punjab.																					
12	Delhi	718	28·889	+·005	29·569	28·975	30th	28·752	1st	·223	81·2	88·2	−3·6	78·6	—0·7	83·4	—2·2	9·6	92·7	20th & 23rd.	72·2	7th
	Sirsa	682	28·921	—·001	29·544	28·898	29th	28·785	1st	·213	83·0	90·8	−7·6	78·0	—2·2	84·4	—4·9	12·9	97·3	11th	73·6	2nd
	Patiala	*816*	28·809		29·590	28·882	29th	28·667	1st	·215	82·1	89·0		77·1		83·1		11·9	93·4	20th & 24th.	74·0	2nd
	Ambala	892	28·724	+·030	29·580	28·808	29th	28·588	1st	·220	81·0	90·3	−2·5	76·7	—1·4	83·5	—2·0	13·6	95·5	22nd	73·0	2nd
	Ludhiana	812	28·798	+·021	29·578	28·888	29th	28·637	1st	·251	80·8	90·0	5·0	77·2	—1·8	83·6	—3·4	12·8	96·5	8th	72·5	3rd
	Lahore	702	28·893	+·020	29·564	28·998	29th	28·696	1st	·302	80·7	89·9	−5·3	77·7	—0·1	83·8	—4·2	12·2	97·4	1st & 24th.	73·2	30th 31st
	Sialkot	830	28·796	+·043	29·597	28·964	29th	28·605	1st	·359	80·7	88·0	−6·7	77·6	—0·1	82·8	—3·4	10·4	95·7	24th	73·1	31st
	Rawalpindi	1,674	27·964	+·033	29·608	28·094	29th	27·726	1st	·368	78·4	88·8	−5·1	73·9	—1·3	81·3	—3·2	14·9	94·9	24th	70·1	17th 18th,
13	Khushab	612	29·002	+·059	29·582	29·120	29th	28·775	1st	·345	83·6	94·6	−5·6	79·6	—1·2	87·1	—3·4	15·0	104·4	25th	72·9	25th
	Montgomery	558	29·019	+·018	29·540	29·113	29th	28·815	1st	·298	83·7	93·8	−8·2	78·5	—3·1	86·2	—5·7	15·3	101·9	1st	74·1	25th 26th
	Multan	420	29·155	+·023	29·535	29·261	29th	28·945	1st	·316	86·4	98·7	−2·0	82·2	+0·1	90·5	—1·0	16·5	106·3	12th	77·0	4th 5th.
	VI.—North-West Frontier Province.																					
15	Peshawar	1,110	28·505	+·026	29·589	28·642	29th	28·250	1st	·392	82·9	95·8	−3·4	77·3	—0·5	86·6	—2·0	18·5	104·2	1st & 2nd.	70·9	19th
	D. I. Khan	590	29·010§	+·032	29·546§	29·141	30th	28·764	1st	·377	84·9§	96·5‖	−4·6	80·6*	0	88·8*	−2·3	15·9	103·4	1st & 25th.	74·1	26th 28th.
	VII.—Sind.																					
17	Jacobabad	186	29·360	—·006	29·505	29·466	29th	29·146	1st	·320	89·1	104·1	+0·3	84·2	+2·8	94·2	+1·6	19·9	109·6	8th	78·8	18th
	Hyderabad†	96	29·468	—·025	29·516	29·575	30th	29·300	1st	·275	83·1	95·6	+0·1	79·6	+0·9	87·7	+0·5	16·0	101·1	5th	77·0	18th 23rd.
	Kurrachee	13	29·613	—·012	29·576	29·717	30th	29·475	1st	·242	80·2	85·8	−2·4	77·6	−1·1	81·7	−1·8	8·2	91·0	4th	74·0	23rd
	VIII.—Rajputana.																					
18	Bikaner	*771*	28·791	—·031	29·528	28·840	28th	28·657	1st	·183	82·7	92·7	−4·4	79·6	−1·0	86·2	−2·7	13·1	98·1	11th	75·5	31st
	Jodhpur	782	28·835		29·598	28·905	30th	28·714	1st	·191	78·7	87·7		76·6		82·2		11·1	96·1	5th	74·3	4 day
	Pachpadra	*380*	29·224	—·019	29·569	29·348	30th	29·114	17th	·234	80·7	88·6	−6·3	76·4	−1·0	82·4	−3·7	12·2	96·3	4th	74·2	14th
19	Jaipur	1,431	28·183	—·032	29·573	28·261	30th	28·006	1st	·165	78·6	86·0	−5·6	75·8	−0·3	81·0	−3·0	10·2	92·7	24th	72·6	28th
	Sambhar	1,254	28·352	—·020	29·568	28·433	30th	28·257	1st	·176	79·2	86·9	−4·4	76·2	−1·0	81·6	−2·7	10·7	91·9	23rd	73·5	29th
	Ajmere†	1,611	28·016	—·029	29·585	28·095	30th	27·913	1st	·182	77·5	83·4	−4·8	75·9	+0·6	79·7	−2·1	7·5	87·4	3rd, & 6th.	73·2	29th
	Kotah	819?	28·760	—·039	29·577	28·845	30th	28·675	1st	·170	79·7	86·2	−5·5	77·3	−2·2	81·8	−3·9	8·9	90·5	4th, 10th & 23rd.	74·6	12th
	Udaipur	1,925	27·726		29·597	27·810	30th	27·644	1st	·166	76·6	82·5		73·7		78·1		8·8	86·5	10th	72·3	6 day
	IX.—Bombay.																					
20	Deesa	466	29·166	—·045	29·588	29·272	30th	29·064	4th	·208	78·0	85·7	−3·2	75·2	−0·4	80·5	−1·8	10·5	91·3	4th	72·9	12th, 1 & 17t
	Bhuj	395	29·250	—·020	29·599	29·359	30th	29·146	1st	·213	78·3	85·5	−3·2	75·3	−0·9	80·4	−2·1	10·2	91·6	5th & 6th.	72·5	21st

N.B.—Elevations in italics indicate barometrical determinations.

Note.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

* Mean of 23 days. † Observations of 30 days. ‡ Mean of 15 days. § Mean of 20 days. ‖ Mean of 29 days.

B—*continued.*

in India, etc., in August, 1908—continued.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st August 1908.	Normal rainfall for period 1st May to 31st August.	Departure from normal of Period 1st May to 31st August 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IV.—United Provinces of Agra and Oudh—*concld.*
5	1	4	17	1	1	1	1		N 86° E	S 2° W	2·5	4·0	−1·5	62	+55	88	+1	·963	+·009	4·7	−2·8	18	12·30	+5·70	17·81	11·98	+5·88	29·11	27·32	+1·79	2·75	Cawnpore.
1		3	18	7	2				S 79° E	S 88° E	2·7	2·9	−0·2	82	+56	87	−1	·958	+·006	6·8	−1·1	17	14·20	+2·80	14·06	11·83	+2·23	31·53	30·08	+1·45	4·40	Lucknow.
1		1	15	14					S 70° E	S 70° E	3·9	2·8	+1·1	89	+41	79	−9	·917	−·038	6·7	+0·7	9	12·70	−3·70	3·32	16·80	−13·48	19·16	37·14	−17·98	0·77	Bahraich.
5	2	3	3	2	1	7	4	4	S 85° W	S 85° W	5·2	3·8	+1·4	17	−19	89	+7	·898	+·028	5·8	−0·9	26	12·70	+13·30	19·00	11·61	+7·39	41·76	30·20	+11·56	2·33	Jhansi.
9		19		3					N 54° E	S 40° W	3·5	4·9	−1·4	59	+30	91	+9	·972	+·059	8·7	+2·1	18	10·00	+8·00	13·79	8·14	+5·65	32·67	22·20	+10·47	2·84	Agra.
2	1	5	9	10	2	1	1		S 73° E	S 13° W	3·4	1·6	+1·8	59	+53	86	+1	·932	−·001	5·8	−1·0	17	10·90	+6·10	12·95	10·13	+2·82	22·95	24·04	−1·09	2·41	Mainpuri.
16		2	11	2					E	S 71° E	2·9	2·6	+0·3	45	+23	86	−2	·925	−·002	7·5	+0·6	17	12·18	+4·82	14·41	14·43	−0·02	37·29	36·62	+0·67	2·10	Bareilly.
19			6	6					S 67° E	S 45° E	0·9	1·9	−1·0	37	+19	83	+7	·928	+·145?	7·0	+0·1	17	9·40	+7·60	16·17	9·30	+6·87	32·88	22·74	+10·14	3·56	Meerut.
15		2	1	13					S 56° E	S 36° E	3·0 **	2·4	+0·6	46	+14	85	−1	·895	+·017	6·6	−0·1	14	12·10	+1·90	14·89	13·09	+1·80	32·68	31·83	+0·85	6·49	Roorkee.
51									(*a*)	S 11° E	0·8	1·0	−0·2			91	+1	·809	+·009	8·2	−0·1	23	21·30	+1·70	26·86	30·68	−3·82	62·38	71·21	−8·83	4·34	Dehra Dun.
																																V.—Punjab.
3		1	5	20	1	1			S 52° E	S 27° W	6·2	3·9	+2·3	79	+61	89	+11	·943	+·082	7·6	+0·9	22	9·30	+12·70	22·95	8·52	+14·43	37·41	21·13	+16·28	5·55	Delhi.
2	1	2	18	7		1			S 82° E	S 42° W	4·6	6·3	−1·7	79	+39	86	+15	·962	+·107	6·8	+2·1	13	4·80	+8·20	8·09	3·87	+4·22	21·65	10·51	+11·14	2·20	Sirsa.
3			14	13	1				S 67° E		5·7			81		86		·937		6·7		16			11·40			16·58			2·17	Patiala.
10		1	4	16					S 57° E	S 51° E	2·7	1·3	+1·4	62	+38	83	−2	·908	−·033	7·8	+2·3	14	7·30	+6·10	12·33	8·03	+4·30	17·65	22·70	−5·05	5·20	Ambala.
5		9	1	16					S 75° E	S 29° E	2·4	1·8	+0·6	62	+23	85	+7	·913	+·021	8·1	+1·8	14	7·30	+6·70	14·61	6·35	+8·26	21·68	19·25	+2·43	3·95	Ludhiana.
8	2	3	5	9	3			1	S 70° E	S 41° E	3·1	2·8	+0·3	46	+6	89	+14	·959	+·069	7·0	+3·2	12	5·20	+6·80	20·39	5·30	+15·09	29·00	14·17	+14·83	4·20	Lahore.
7	4	5	9	3	1		1	1	N 68° E	N 83° E	2·1	2·5	−0·4	46	−1	85	+6	·903	+·011	5·9	+1·7	15	8·40	+6·60	19·33	9·69	+9·64	30·05	21·81	+8·24	3·96	Sialkot.
25	3			1	1				N	S 82° E	2·3	1·7	+0·6	2	−27	86	+6	·838	−·001	7·6	+3·4	13	8·00	+5·00	18·63	8·70	+9·93	37·37	20·71	+16·66	5·80	Rawalpindi.
3	1	13	10	1	1	1	1		N 67° E	N 68° E	8·1	6·1	+2·0	66	+9	78	+9	·892	+·033	4·1	+1·3	7	2·80	+4·20	8·24	2·73	+5·51	14·55	9·75	+4·80	2·26	Khushab.
1	3	7	13	1	5	1			N 85° E	S 12° W	8·8	8·2	+0·6	59	+5	79	+16	·898	+·067	4·6	+2·0	10	3·20	+6·80	15·10	2·99	+12·11	22·37	6·88	+15·49	5·86	Montgomery.
12	6	5		4	1	2		1	N 40° E	S 14° E	1·5	2·9	−1·4	23	−20	76	+8	·943	+·075	3·2	+1·1	4	2·80	+1·70	2·34	2·02	+0·32	5·37	5·35	+0·02	1·30	Multan.
																																VI.—North-West Frontier Province.
9	7		3	1	1	1	2	7	N 23° W	N 10° W	2·6	3·6	−1·0	37	−6	77	+6	·875	+·052	5·2	+1·9	7	2·30	+4·70	3·14	2·36	+0·78	4·12	5·07	−0·95	1·60	Peshawar.
2	3	15		9	2	1		1	N 75° E	N 72° E	4·3 §	2·0	+2·3	49	+13	85	+11	1·010	+·091	2·6	+0·4	4	2·40	+1·60	5·84	1·63	+4·21	7·29	5·00	+2·29	3·02	D. I. Khan.
																																VII.—Sind.
7	4	7	4	3	1	2		3	N 49° E	S 41° E	4·3	4·2	+0·1	33	−37	72	+1	·992	+·107	4·6	+2·5	2	1·90	+0·10	0·67	1·13	−0·46	2·80	2·60	+0·20	0·40	Jacobabad.
3	1	1		1	3	18	3		S 42° W	S 43° W	9·1	16·3	−7·2	69	−17	76	+6	·871	+·097?	6·0	+0·9	3	2·40	+0·60	3·54	2·40	+1·14	19·39	5·66	+13·73	1·75	Hyderabad.
						3	21	7	N 84° W	S 76° W	12·9	16·4	−3·5	92	+6	88	+5	·899	−·003	7·4	−0·4	1	1·80	−0·90	0·49	1·77	−1·28	5·60	6·14	−0·54	0·40	Kurrachee.
																																VIII.—Rajputana.
8	1	3	1	2	2	8	5	1	S 52° W	S 36° W	5·0	7·7	−2·7	27	−53	81	+12	·905	+·075	5·6	+1·1	11	4·90	+6·10	6·57	3·12	+3·45	14.58	9·09	+5·49	1·51	Bikaner.
2		1			5	16	6	1	S 49° W		4·6			76		90		·885		9·0		16	5·90	+10·10	10·86	4·56	+6·30	23·55	10·51	+13·04	4·61	Jodhpur.
10	1				7	10	3		S 79° W		5·4 **	10·7	−5·3	53		86	+7	·904	+·049	?	?	13	4·90	+8·10	9·05	3·56	+6·09	19·11	10·31	+8·80	2·92	Pachpadra.
7	1	3	4		2		4	7	3	N 77° W	N 83° W	4·0	4·7	−0·7	13	−41	89	+10	·883	+·070	8·6	+1·7	21	11·60	+9·40	16·03	8·89	+7·14	31·18	20·70	+10·48	3·04	Jaipur.
13	2		4	1		2	5	4	N 58° W	N 84° W	4·5	7·7	−3·2	20	−52	90	+13	·903	+·108	8·7	+2·4	15	9·40	+5·60	8·04	6·77	+1·27	20·23	16·34	+3·89	2·23	Sambhar.
4	1			5	1	4	11	4	S 75° W	S 85° W	7·7	6·9	+0·8	46	−36	93	+11	·881	+·082	9·2	+2·9	18	8·90	+9·10	16·70	7·25	+9·45	32·50	17·76	+14·74	4·25	Ajmer.
18		2				5	5	1	S 80° W		2·3			27		87		·873		8·4		17	10·60	+6·40	13·79	7·04	+6·75	33·85	20·03	+13·82	5·85	Kotah.
8				1	8	13	1		S 73° W		4·0			66		86		·784		8·9		15	8·70	+6·30	7·61			22·77			2·17	Udaipur.
																																IX.—Bombay.
1			1	3	14	11	1		S 58° W	S 71° W	10·5 **	12·0	−1·5	79	+4	92	+8	·883	+·043	9·9	+1·8	17	10·09	+6·91	9·67	6·67	+3·00	37·40	19·35	+18·05	1·51	Deesa.
				1	8	14	8		S 88° W	S 76° W	12·7	15·7	−3·0	82	−8	90	+8	·864	+·027	8·7	+1·4	10	3·70	+6·30	3·59	2·44	+1·15	11·15	12·03	−0·88	0·96	Bhuj

** Uncorrected. § Mean of 30 days. (*a*) Indeterminate.

(2) *Abstract of observations taken at 8 hrs., at 240 stat*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	IX.—Bombay—*concld.*																					
20	Jamnagar	61	29·600		29·606	29·710	30th	29·482	4th	·228	80·0	82·7		76·5		79·6		6·2	85·8	7th	74·6	30th
	Dwarka	37?	29·635		29·618	29·755	30th	29·507	4th	·248	79·6	83·0		77·1		80·1		5·9	86·3	11th	70·7	21st
	Rajkot	429	29·252	—·022	29·634	29·355	30th	29·129	4th	·226	78·1	85·1	−3·8	74·4	−0·1	79·8	−2·0	10·7	90·9	11th	72·2	30th
	Veraval	*18*	29·680	—·038	29·646	29·793	30th	29·546	4th	·247	77·9	80·0	−2·7	76·5	−1·2	78·3	−2·0	3·5	81·7	31st	74·8	23rd
	Bhavnagar Para	55	29·634	—·077?	29·633	29·744	30th	29·503	3rd	·241	79·5	87·8	−5·0?	75·7	−1·4	81·7	−3·2?	12·1	92·6	31st	74·0	30th
	Surat	39	29·667	—·032	29·651	29·770	30th	29·531	3rd	·239	79·2	83·6	−3·4	76·0	−0·5	79·8	−2·0	7·6	86·6	21st	74·1	4th & 27th.
	Ahmedabad	163	29·501	—·042	29·614	29·615	30th	29·378	4th	·237	74·9	85·8	−4·3	76·2	−0·9	81·1	−2·6	9·6	89·6	6th & 11th.	74·7	11th, 28th & 29th.
26	Bombay	37	29·733	—·024	29·710	29·82	30th	29·602	3rd	·218	79·3	83·2	−0·8	76·8	−0·2	80·0	−0·5	6·4	85·0	30th	75·5	10th, 17th & 23rd.
	Ratnagiri	110	29·700	—·009	29·750	29·780	13th	29·596	3rd	·184	79·1	83·2	−0·5	75·2	0	79·2	−0·3	8·0	84·8	19th	73·4	30th
	Goa	199	29·620	—·035?	29·758	29·694	13th	29·511	3rd	·183	77·1	79·9	−2·0	75·9	+0·1	77·9	−1·0	4·0	81·6	27th	75·1	10 days
	Mormugao	*60*	29·785	—·011	29·780	29·852	13th	29·675	3rd	·177	78·8	82·8	−0·6	74·9	−0·9	78·9	−0·8	7·9	85·0	27th	73·2	12th, 24th & 29th.
	Karwar	44	29·818	—·001	29·796	29·884	13th	29·712	3rd	·172	77·3	82·3	−0·2						84·3	27th & 28th.		
27	Malegaon	1,430	28·279	—·033	29·664	28·351	30th	28·140	3rd	·211	77·3	85·7	−0·8	72·1	+0·6	78·9	−0·2	13·6	89·4	10th, 30th & 31st.	71·1	12 days
	Ahmednagar	2,154	27·619	—·017?	29·722	27·685	13th	27·533	4th	·152	74·3	83·4	−1·4	69·5	+0·9	76·6	−0·3	13·5	87·4	20th	67·0	29th
	Poona	1,846	27·921	—·022	29·726	27·998	13th	27·844	1st	154	73·1	79·4	−2·5	69·5	0	74·5	−1·3	9·9	82·0	21th & 31st.	67·3	26th
	Sholapur	1,590	28·176	—·024	29·723	28·237	13th	28·066	3rd	·171	75·5	86·5	−2·3	70·8	+0·2	78·7	−1·1	15·7	90·8	10th & 30th.	68·9	18th & 19th.
	Bijapur	*1,948*	27·837	—·021	29·737	27·903	13th	27·727	3rd	·176	74·1	86·1	0	69·7	−0·2	77·9	−0·1	16·4	89·7	15th & 19th.	67·7	3rd
	Belgaum	2,539	27·277	—·012	29·769	27·345	13th	27·183	3rd	·162	69·4	75·3	−0·8	66·3	+0·1	70·8	−0·4	9·0	77·8	31st	65·6	8 days
	X.—Central India.																					
21	Neemuch	1,624	28·019	—·037	29·607	28·069	30th	27·910	3rd	·159	75·2	83·1	−1·9	72·8	+0·3	78·0	−0·8	10·3	88·0	4th	69·8	28th
	Indore	1,823	27·872	—·005?	29·657	27·943	30th	27·751	3rd	·192	73·4	81·0	−1·9	71·4	+0·1	76·2	−0·9	9·6	84·1	4 days	69·6	19th
22	Nowgong	754	28·848	—·025	29·561	28·935	29th	28·770	2nd	·165	78·7	85·4	−2·5	77·3	+0·6	81·4	−1·0	8·1	90·5	23rd	75·0	31st
	Sutna	1,040	28·542	—·040	29·543	28·625	13th	28·471	1st	·154	78·9	84·8	−1·1	77·2	+1·3	81·0	+0·1	7·6	89·0	12th	75·7	4 days
	XI.—Central Provinces.																					
23	Buldana	2,132	27·596		29·679	27·660	30th	27·472	3rd	·188	73·0	79·5		69·5		74·5		10·0	83·6	14th & 20th.	68·0	7th
	Akola	930	28·764	—·025	29·654	28·629	30th	28·630	3rd	·199	76·0	84·1	−3·1	72·7	−0·6	78·4	−1·9	11·4	89·2	14th	71·1	2nd & 15th.
	Amraoti	1,215	28·460	—·036	29·636	28·524	13th	28·311	3rd	·213	74·7	82·4	−3·7	72·2	−0·4	77·3	−2·1	10·2	88·3	21st	70·3	15th, 30th & 31st.
24	Khandwa	1,044	28·636	—·023	29·645	28·711	30th	28·494	3rd	·217	75·6	84·5	−1·0	73·8	−0·3	79·2	−0·7	10·7	89·2	14th	72·1	26th, 30th & 31st.
	Hoshangabad	1,006	28·653	—·025	29·626	28·736	13th	28·518	2nd	·218	75·7	82·7	−2·3	73·4	−0·4	78·1	−1·4	9·3	89·1	4th	71·9	4 days
	Saugor	1,807	28·828	—·029	29·592	28·916	13th	28·720	2nd	·196	74·7	81·2	−2·4	73·2	+0·4	77·2	−1·0	8·0	85·6	4th	71·0	31st
	Jubbulpore	1,327	28·294	—·028	29·583	28·376	13th	28·162	2nd	·214	75·5	82·4	−2·3	74·3	+0·4	78·4	−1·0	8·1	87·0	13th	72·8	26th
	Seoni	2,033	27·631	—·021	29·613	27·706	13th	27·484	2nd	22?	74·1	81·4	−1·7	71·8	+0·2	76·6	−0·8	9·6	85·8	11th	69·9	17th, 26th & 29th.
	Nagpur	1,027	28·641	—·023	29·618	28·712	13th	28·481	2nd	·231	76·4	84·1	−2·9	74·0	−0·6	79·1	−1·8	10·1	90·1	10th	71·6	30th & 31st.
25	Pendra	2,123?	27·595		29·567	27·667	13th	27·482	2nd	·185	75·3	82·1		72·9		77·5		9·2	84·3	4 days	71·2	4th
	Raipur	970	28·667	—·022	29·592	28·744	13th	28·511	2nd	·233	76·4	83·1	−2·8	74·4	−0·5	78·8	−1·7	8·7	86·7	5 days	71·6	13th
	Chanda	*634*	29·047	—·025	29·629	29·110	13th	28·900	2nd	·210	78·1	84·7	−2·9	74·6	−0·4	79·7	−1·7	10·1	91·5	10th	72·5	4 days
	XII.—Hyderabad.																					
28	Aurangabad	1,905	27·849		29·714	27·908	13th	27·752	3rd	·156	73·1	83·8		69·0		76·4		14·8	90·2	21st	67·7	4 days
	Nizamabad	1,260	28·478?		29·697?	28·540	13th	28·356	2nd	·184	75·8	85·3		72·4		78·8		12·9	89·9	21st & 22nd.	67·7	3rd

N.B.—Elevations in italics indicate barometrical determinations.

* Mean of 30 days.

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or p

† Mean of 28 days.

B—*continued.*

in India, etc., in August, 1908—continued.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st August 1908.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IX—Bombay —*concld.*
						23	7	1	S 57° W		17·2			92		83		·894		4·5		11			10·36			23·37			5·59	Jamnagar.
					1	17	11	2	S 64° W		15·0			86		89		·907		8·5		10			3·91			13·30			1·28	Dwarka.
						28	3		S 49° W	S 77° W	12·3	12·4	−0·1	100	+10	88	+ 4	·884	−·004	8·5	+1·0	15	6·60	+8·40	5·18	4·52	+0·46	17·53	23·17	−5·64	1·02	Rajkot.
1					1	7	20	2	S 80° W	S 77° W	16·0	11·8	+4·2	86	+ 4	92	+ 4	·845	−·005	8·3	+0·1	14	8·10	+5·90	9·23	2·30	+6·93	22·13	14·79	+7·34	3·95	Veraval.
						27	4		S 50° W	S 48° W	7·2	11·8	−4·6	97	+ 7	85	+ 4	·836	−·024	8·3	+1·2	14	8·80	+5·20	9·84	4·42	+5·42	22·39	14·27	+8·12	2·14	Bhavnagar Para.
				1	7	11	11	1	S 52° W	S 66° W	8·8	9·8	−1·0	79	− 1	87	+ 2	·877	−·012	8·7	+1·1	16	12·30	+3·70	6·18	7·29	−0·81	43·16	34·72	+8·44	1·50	Surat.
				1	4	21	3	2	S 46° W	S 63° W	6·0	4·9	+1·1	82	+10	90	+ 7	·858	−·001	9·3	+1·5	25	10·90	+14·10	17·92	7·66	+10·26	32·15	27·02	+5·13	2·12	Ahmedabad.
						10	21		S 76° W	S 77° W	15·4§	15·4	0	96	+13	88	+ 2	·884	+·003	9·3	+0·4	23	19·80	+3·50	9·87	14·07	−4·20	45·91	60·46	−14·55	1·14	Bombay.
2						10	14	1	S 65° W	S 74° W	10·2	9·5	0·7	86	+18	87	− 1	·859	−·016	8·3	+0·3	30	23·70	+6·30	18·03	22·29	−4·26	72·79	89·62	−16·83	1·85	Ratnagiri.
2						8	20	1	S 79° W	S 85° W	11·3	8·7	+2·6	86	+35	91	+ 5	·871	−·009	9·7	+1·2	28			19·44	19·14	+0·30	103·86	82·87	+20·99	2·52	Goa.
3						11	17		S 73° W	N 56° W	10·3§	11·2	−0·9	86	+ 9	93	+ 3	·911	+·013	8·7	+1·7	28			14·70	18·59	−3·89	100·36	76·67	+23·69	2·86	Mormugao.
15		3	1		7	3	1	1	S 7° W	N 81° W	4·5§	4·3	+0·2	20	−27	87	− 1	·826	−·008	7·8	+0·5	27	24·00	+3·00	24·83	23·91	+0·92	129·69	100·95	+28·74	3·35	Karwar.
2						12	10	1	S 73° W	S 78° W	13·1	12·7	+0·4	86	0	78	+ 1	·743	+·023	6·2	−1·1	2	5·80	−3·80	2·03	3·55	−1·52	9·12	13·72	−4·60	1·18	Malegaon.
2						10	14	5	S 73° W	S 86° W	14·3	18·5	−4·2	86	+11	77	− 6	·655	+·023	7·5	+0·3	2	5·20	−3·20	1·95	2·29	−0·34	6·53	11·15	−4·62	1·13	Ahmednagar.
3							26	2	N 87° W	S 83° W	14·4†§	14·8	−0·4	89	− 1	87	+ 4	·701	+·008	9·1*	+0·7	9	8·60	+0·40	3·98	3·31	+0·67	11·14	16·42	−5·28	1·10	Poona.
						21	8	2	S 61° W	S 83° W	14·8	12·8	+2·0	86	+ 2	82	+ 7	·729	+·059	7·4	−0·3	8	8·00	0	5·05	6·09	−1·04	11·79	15·64	−3·85	1·07	Sholapur.
						14	11		S 70° W	S 82° W	16·7	10·7	+6·0	96	+11	78	− 1	·659	−·036	6·0	−1·5	2	5·60	−3·60	0·85	2·47	−1·62	4·23	9·83	−5·60	0·33	Bijapur.
						4	23	4	W	S 83° W	18·1§‡	21·5	−3·4	92	+ 1	95	+ 3	·679	+·011	9·5	+0·8	24	17·40	+6·60	13·80	8·67	+5·13	53·00	35·06	+17·94	3·20	Belgaum.
																																X—Central India.
		1				13	15	2	S 74° W	S 75° W	10·2	11·0	−0·8	86	+ 2	92	+ 7	·814	+·038	7·6	+0·8	12	10·50	+1·50	8·84	9·22	−0·38	22·46	23·58	−1·12	3·27	Neemuch.
1						3	24	4	N 89° W	S 85° W	7·7	5·7	+2·0	92	+10	89	0	·738	−·028	10·0	+1·1	13	10·60	+2·40	5·48	7·56	−2·08	23·70	23·50	+0·20	1·67	Indore.
3	2	1	4		3	4	15	1	S 79° W	S 89° W	2·8	3·1	−0·3	40	−11	93	+ 6	·917	+·035	9·3	+1·3	19	14·10	+4·90	19·91	13·51	+6·40	39·52	36·19	+3·33	2·72	Nowgong.
3		3	6	2		4	9	4	N 82° W	S 89° W	4·0	7·7	−3·7	17	−24	93	+ 6	·922	+·051	10·0	+2·6	25	14·10	+10·60	17·63	12·47	+5·16	42·33	34·45	+7·88	2·52	Sutna.
																																XI—Central Provinces.
					1	8	17	5	S 83° W		7·0	8·6	−1·6	84		83		·681		8·6		18			13·11	7·28	+5·83	29·28	23·37	+5·91	3·07	Buldana.
						9	21	1	S 79° W	N 78° W	8·5	8·6	−0·1	96	+10	85	+ 2	·772	+·004	9·2	+1·4	16	8·90	+7·10	8·26	6·28	+1·98	27·76	22·48	+5·28	1·72	Akola.
						14	16	1	S 71° W	N 89° W	10·7	7·8	+2·9	92	+ 6	87	− 2	·759	−·023	8·2	+0·3	12	10·00	+2·00	7·80	6·44	+1·36	24·38	23·77	+0·62	1·53	Amraoti.
						1	16	13	N 72° W	N 86° W	9·7	8·7	+1·0	89	− 4	86	+ 1	·768	0	8·2	+0·5	10	10·70	−0·70	4·39	7·05	−2·66	15·85	22·10	−6·25	0·85	Khandwa.
1																																
5			1			10	15		S 70° W	S 53° W	5·7	3·9	+1·8	72	− 7	94	+ 3	·843	+·007	10·0	+1·4	21	15·00	+6·00	16·38	14·68	+1·70	34·04	38·83	−4·79	2·56	Hoshangabad.
		1	2			4	28	1	S 87° W	S 87° W	8·4	5·3	+3·1	79	+14	92	+ 2	·703	−·026	9·9	+2·3	22	15·40	+6·60	23·04	12·97	+10·07	41·90	37·53	+4·37	10·80	Saugor.
2	1	2				6	17	3	N 89° W	S 77° W	3·5	4·3	−0·8	71	+ 3	92	+ 2	·811	−·017	9·9	+1·6	27	16·30	+10·70	27·43	16·98	+10·95	54·03	46·68	+7·35	3·48	Jubbulpore.
1	2	1		1		4	12	10	N 73° W	N 78° W	2·0	4·9	−2·9	69	+26	92	+ 2	·771	−·015	8·9	+0·4	23	16·40	+6·60	15·44	12·49	+2·95	38·66	40·21	−1·55	2·13	Seoni.
					3	13	14	1	S 61° W	S 89° W	6·2	7·2	−1·0	86	+25	86	+ 1	·790	−·020	9·0	+0·3	19	12·60	+6·40	12·90	11·36	+1·84	38·77	34·96	+3·81	2·38	Nagpur.
																91		·808		7·5		27			22·44			56·41			3·20	Pendra.
3	6		3	3	7	2	1	6	S 77° W		5·4			5																	
					2	25	3	1	S 49° W	S 56° W	12·0	8·4	+3·6	92	+20	91	+ 2	·826	−·016	9·3	+0·6	24	14·20	+9·80	19·54	13·02	+6·52	41·54	38·73	+2·81	4·20	Raipur.
1						8	15	7	S 88° W	S 76° W	9·3	5·6	+3·7	86	+ 8	85	+ 3	·820	+·021	9·5	+1·1	20	13·60	+6·40	20·05	13·90	+6·15	47·30	40·40	+6·90	4·99	Chanda.
																																XII.—Hyderabad.
						5	23	3	S 87° W		15·3			96		88		·713		9·1		7	9·50	−2·50	6·43	5·20	+1·23	12·86	17·47	−4·61	2·63	Aurangabad.
				1	2	26	1	1	S 44° W		6·6			92		89		·793		5·5		22	14·50	+7·50	12·63	11·36	+1·27	30·29	26·82	+3·47	1·50	Nizamabad.

*tations, the elevations of which exceed 3,200 feet.

§ Uncorrected.

‡ Mean of 23 days.

Ta

(2) *Abstract of observations taken at 8 hrs., at 240 stat*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	XII.—Hyderabad—*concld.*																					
28	Bidar	*2,165*	27·599		29·717	27·651	25th	27·496	3rd	·155	72·2	82·0		69·3		75·7		12·7	87·5	24th	68·0	2nd
29	Gulbarga	1,503	28·269	—·017	29·732	28·330	13th	28·156	3rd	·174	74·4	86·6	—1·7	70·8	—0·3	78·8	—1·0	15·8	91·0	24th	68·8	13th
	Raichur	*1,311*	28·467	—·019	29·734	28·526	30th	28·376	3rd	·150	76·2	90·0	+1·5	71·6	—0·9	80·9	+0·3	18·4	91·1	27th	63·1	4th
	Hyderabad (Deccan)	1,690	28·064	—·015	29·712	28·129	30th	27·932	2nd	·197	74·0	84·6	—1·5	71·7	+0·6	78·2	—0·5	12·9	89·8	27th	69·2	2nd
	Hanumkonda	871	28·845		29·665	28·902	25th	28·721	2nd	·181	78·1	85·5		74·7		80·1		10·8	90·0	19th, 20th & 21st.	71·7	29th
	XIII.—Mysore.																					
30	Chitaldroog	2,405	27·442	—·007	29·797	27·510	13th	27·348	3rd	·162	71·0	80·9	—1·2	68·1	+0·1	74·5	—0·6	12·8	85·1	26th	67·4	5 days,
	Hassan	3,149	26·767	+·002	29·842	26·895	15th	26·675	3rd	·220	68·7	76·9	—1·4	64·6	+0·1	70·7	—0·7	12·3	79·8	14th	61·0	27th,
	Bangalore	3,021	26·864	—·019	29·816	26·928	14th	26·780	3rd	·148	68·8	81·7	—0·1	65·0	—0·6	73·4	—0·4	16·7	85·3	14th & 31st,	62·8	26th & 27th,
	Mysore	2,518	27·378	—·006	29·844	27·431	25th	27·259	1st	·132	71·3	81·3	—2·7	65·7	—0·8	73·5	—1·8	15·6	85·0	27th	62·0	27th
	XIV.—Madras.																					
31	Mangalore	65	29·817	—·016	29·815	29·878	30th	29·732	3rd	·146	77·1	81·5	—1·3	73·8	—0·2	77·7	—·8	7·7	81·7	24th	71·9	4th & 6th,
	Calicut	27	29·872	—·008	29·829	29·923	30th	29·805	3rd	·113	76·2	81·1	—1·7	73·8	—0·3	77·5	—1·0	7·3	85·3	28th	71·6	6th
	Cochin	9	29·916†	+·008	29·853†	29·961	25th	29·863	10th	·098	77·5	84·1	+0·4	74·1	—0·2	79·1	+0·1	10·0	86·7	27th & 29th.	71·7	5th & 6th
	Trivandrum	198	29·704	—·002	29·834	29·753	29th	29·640	10th	·113	77·4	82·3	0	73·6	+0·6	78·0	+0·3	8·7	85·0	29th	72·0	9th
32	Tinnevelly	168	29·684	—·002	29·780	29·723	25th	29·618	10th	·115	85·9	96·8	+0·1	79·1	0	88·0	+0·1	17·7	100·3	19th & 24th.	76·9	4 days
	Pamban	37	29·799	—·014	29·763	29·857	30th	29·721	10th	·136	82·9	88·4‡	—0·2‡	79·6‡	+1·1‡	84·1‡	+0·5	8·8	91·3	13th	78·2	5th & 6th,
	Madura	447	29·399	+·008	29·781	29·458	25th	29·334	10th	·124	83·1	97·4	+0·8	76·5	+0·7	87·0	+0·8	20·9	101·4	11th & 19th.	71·1	24th
	Periyakulam	944	28·902		29·785	28·955	25th	28·844	10th	·111	79·8	88·8		71·4		80·1		17·4	94·3	27th	67·6	28th
	Pudukkottai	318	29·521		29·770	29·630	13th	29·443	10th	·187	83·5	97·8		76·8		87·4		21·0	102·1	16th & 18th,	68·0	21st
	Negapatam	31	29·791	—·015	29·750	29·843	25th	29·726	10th	·117	82·2	97·1	+3·4	78·2	+0·9	87·7	+2·2	18·9	101·4	14th	74·0	11th
	Trichinopoly	255	29·584	—·003	29·771	29·639	25th	29·518	10th	·121	83·8	98·9	+2·3	77·9	+1·2	88·4	+1·8	21·0	102·1	18th & 22nd.	73·8	6th
	Coimbatore	1,348	28·508	—·001	29·813	28·565	25th	28·426	1st	·139	75·4	88·6	—0·1	70·8	+0·2	79·7	+0·1	17·8	91·9	23rd & 26th	68·8	8th
	Salem	940	28·930	—·004	29·811	28·985	25th	28·864	1st	·121	78·9	93·6	+1·4	74·2	+1·7	83·9	+1·6	19·4	98·5	28th	71·4	6th
	Cuddalore	37	29·778	—·006	29·746	29·838	25th	29·709	10th	·129	81·7	94·0	+0·3	77·2	+0·9	85·6	+0·6	16·8	98·1	30th	71·2	20th
	Vellore	707	29·111		29·758	29·170	25th	29·043	2nd	·127	81·6	95·7		76·0†		86·8†		17·7	99·7	27th	74·0	7th
	Madras	22	29·776	—·014	29·729	29·841	25th	29·710	2nd	·131	82·1	95·8	+1·5	78·0	+0·7	86·7	+1·1	17·3	99·0	18th	71·5	25th
33	Cuddapah	433	29·372	—·009	29·743	29·434	14th	29·276	2nd	·158	82·8	97·2	+3·5	77·8	+1·0	87·5	+2·3	19·4	102·7	19th	74·6	1st & 10th,
	Bellary	1,475	28·331	—·010	29·755	28·396	13th & 25th.	28·231	3rd	·164	77·8	91·5	+0·7	74·6	+1·0	83·0	+0·9	16·9	96·0	12th & 14th,	71·8	30th
	Kurnool	923	28·853	—·025	29·726	28·911	25th	28·745	3rd	·166	77·0	90·2	+0·4	73·3	—0·4	81·8	0	16·9	95·7	24th	70·1	2nd
34	Nellore	61	29·703	—·034	29·698	29·754	14th, 26th & 20th.	29·613	2nd	·141	81·2	96·7	+1·1	79·0	+0·3	87·9	+0·7	17·7	101·3	19th	74·6	7th
	Masulipatam	15	29·740	+·006	29·690	29·791	25th & 31st,	29·651	2nd	·140	81·4	90·9	—0·4	77·6	0	84·3	—0·2	13·3	95·8	20th	74·1	1st
	Cocanada	26	29·686	—·007	29·648	29·751	31st	29·576	1st	·175	79·7	88·4	—1·3	77·5	—1·0	82·9	—1·2	10·9	94·7	10th	73·5	1st
	Waltair (Vizag.)	*226*	29·442	—·028	29·610	29·527	25th	29·296	1st	·231	80·0	87·2		77·5		82·4		9·7	93·1	18th	73·9	12th
	Calingapatam	19	29·629		29·588	29·705	25th	29·478	1st	·227												
	Gopalpur	72	29·557	—·023	29·570	29·636	25th	29·398	1st	·238	81·0	86·6	—0·7	78·4	—0·4	82·5	—0·6	8·2	90·2	10th	75·0	10th

N.B.—Elevations in italics indicate barometrical determinations. † Mean of 30 days. ‡ Mean of 16 days.
NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

B—*continued.*

in India, etc., in August, 1908—continued.

Wind direction.										Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Number of winds from																														
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Mean velocity in miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st August 1908.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August 1908.		
26	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																XII—Hyderabad—*concld.*
2	1				1	18	8	1	S 60° W		6·0			78		87		·692		4·5		11	12·50	— 1·50	4·85	8·39	— 3·54	14·15	23·93	— 9·78	1·21	Bidar.
						10	17	4	S 81° W	N 75° W	13·9	13·7	+0·2	89	+ 8	85	+ 5	·728	+·024	7·2	−0·1	12	8·10	+ 3·90	5·42	4·75	+ 0·67	17·81	16·93	+ 0·88	1·00	Gulbarga.
						18	11	2	S 66° W	S 81° W	15·1	13·0	+2·1	89	+ 8	76	− 2	·692	−·021	7·0	−0·6	9	8·70	+ 0·30	4·05	6·52	− 2·47	8·10	15·89	− 7·79	1·44	Raichur.
							31		W	N 83° W	8·2	8·4	−0·2	100	+ 7	80	− 2	·657	−·049	8·6	+1·0	13			7·21	7·61	− 0·40	17·27	19·70	− 2·43	1·86	Hyderabad (Deccan).
						8	17	6	S 87° W		9·7†			89		73		·705		8·3		13	12·00	+ 1·00	10·52			24·71			3·37	Hanumkonda.
																																XIII.—Mysore.
						11	15	5	S 81° W	S 78° W	9·7	10·7	−1·0	86	− 2	85	+ 3	·646	−·001	8·5	−0·4	6	7·80	− 1·80	1·73	2·68	− 0·95	11·02	13·01	− 1·99	0·63	Chitaldroog.
						11	16	4	S 80° W	N 87° W	10·0	4·4	+5·6	87	− 1	90	+ 7	·632	+·018	9·1	+0·4	9	9·60	− 0·60	2·14	3·37	− 1·23	15·78	17·40	− 3·62	0·31	Hassan.
						15	16		S 68° W	S 78° W	9·9	8·3	+1·6	96	+28	88	+ 3	·627	+·011	9·2	+1·0	5	10·40	− 5·40	1·40	5·36	− 3·96	13·98	16·69	− 2·71	0·52	Bangalore.
						21	10		S 59° W	S 72° W	11·7	12·5	−0·8	96	+ 8	81	0	·628	−·014	8·5	+0·6	4	6·40	− 2·40	2·20	2·93	− 0·73	16·37	12·43	+ 3·94	0·63	Mysore.
																																XIV.—Madras.
12	2	1	1	2			5	6	N 48° W	N 72° W	4·5*	2·5	+2·0	27	+ 2	93	+ 1	·865	+·010	8·2	−0·3	29	24·40	+ 4·60	36·11	22·26	+13·85	138·55	101·17	+37·38	7·46	Mangalore.
14	5				1	1	4	6	N 50° W	N 22° W	3·6	7·7	−4·1	10	0	94	+ 3	·843	+·009	8·3	+1·0	19	18·80	+ 0·20	15·66	15·80	− 0·14	89·89	88·24	+ 1·65	2·68	Calicut.
13	2	4	4		1		3	1	N 8° E	N 13° W	5·5*	5·6	−0·3	23	−24	87	+ 1	·823	−·018	7·0	−0·1	24	18·60	+ 5·40	14·83	13·47	+ 1·36	77·88	76·06	+ 1·82	2·30	Cochin.
	11						1	19	N 30° W	N 13° W	9·2*	9·1	+0·1	92	+ 9	85	− 1	·810	+·003	8·1	+0·7	6	9·30	− 3·30	2·39	4·15	− 1·76	24·84	32·51	− 7·67	0·65	Trivandrum.
						5	15	11	N 81° W	N 75° W	10·1	8·7	+1·4	86	+ 6	53	− 6	·607	−·043	5·4	−0·1	0	1·00	− 1·00	0	0·48	− 0·48	1·73	2·68	− 0·95	0	Tinnevelly.
	3				14	12	1	1	S 25° W	S 43° W	11·4	10·0	+1·4	79	+11	82		·924		3·4		0	0·60	− 0·60	0·09	0·81	− 0·72	1·37	1·65	− 0·28	0·05	Pamban.
		5				11	15	N 55° W	N 41° W	7·2	3·2	+4·0	89	+10	62	− 4	·699	−·035	6·5	+1·2	6	6·20	− 0·20	5·18	3·69	+ 1·49	8·31	9·65	− 1·34	2·20	Madura.
29	1			1					N 67° E		3·8			2		59		·605		3·0		1	3·80	− 2·80	0·40	1·88	− 1·48	4·50	6·35	− 1·85	0·11	Periyakulam.
2	2	1				1	9	16	N 57° W		10·7			78		61		·706		7·4		5			2·20			8·97			1·08	Pudukkottai.
						12	19		S 73° W	S 72° W	7·6	6·1	+1·5	92	+ 9	68	− 3	·789	−·007	4·0	−1·7	2	5·70	− 3·70	1·68	3·66	− 1·98	8·51	8·65	− 0·14	1·23	Negapatam.
1					1	11	15	3	S 75° W	S 85° W	9·2*	8·0	+1·2	86	− 2	60	− 7	·698	−·028	5·7	−1·2	0	5·40	+ 5·40	0·04	4·35	− 4·31	6·89	10·10	− 3·21	0·04	Trichinopoly.
					1	36			S 44° W	S 56° W	10·9	6·5	+4·4	99	+20	80	− 4	·713	−·030	4·8	−1·0	2	3·00	− 1·00	0·43	1·12	− 0·69	2·77	6·28	− 3·51	0·22	Coimbatore.
					6	9	15	1	S 62° W	S 37° W	5·6	4·0	+1·6	79	+ 7	79	0	·779	+·008	7·5	+1·1	10	9·50	+ 0·50	2·52	7·47	− 4·95	14·36	18·93	− 4·57	0·45	Salem.
5					6	15	5		S 43° W	S 73° W	10·3	2·3	+8·0	72	0	75	− 5	·811	−·069	6·8	+0·1	9	8·00	+ 1·00	5·13	5·33	− 0·20	10·47	11·14	− 0·67	1·30	Cuddalore.
			4	21	2	2	2	2	S 42° E		5·0			68		64		692		6·0		4	7·90	− 3·90	1·81	5·31	− 3·50	8·11	14·53	− 6·42	1·04	Vellore.
5					8	11	7		S 43° W	S 66° W	5·0*	6·9	−1·9	69	−10	78	+ 3	·862	+·036	6·5	−0·8	10	12·60	− 2·60	4·70	5·34	− 0·64	6·89	12·47	− 5·58	1·40	Madras.
						1	19	11	N 75° W	N 82° W				92	+ 9	66	− 7	·744	−·029	7·7	−0·1	4	8·00	− 4·00	1·05	6·15	− 5·10	4·86	15·02	−10·16	0·16	Cuddapah.
						8	17	6	S 87° W	N 85° W	10·4	11·2	−0·8	89	+ 3	65	− 3	620	−·028	7·1	−0·8	1	4·10	− 3·10	0·68	2·32	− 1·64	3·45	7·76	− 4·31	0·51	Bellary.
						20	8	3	S 63° W	N 89° W	14·3*			86	+21	78	+ 3	·724	+·009	6·7	−0·8	11	9·20	+ 1·80	4·62	5·94	− 1·32	13·43	15·20	− 1·77	0·88	Kurnool.
1						4	11	10	N 81° W	N 68° W	7·2*	9·5	−2·3	86	+11	64	− 8	·740	−·076	7·5	−0·2	6	5·40	+ 0·60	3·53	4·03	− 0·50	6·35	8·46	− 2·11	2·04	Nellore.
4						1	12	14	N 68° W	N 72° W	8·8	7·7	+1·1	79	− 4	85	+ 2	·901	+·010	9·6	+1·8	13	9·80	+ 3·20	4·38	6·89	− 2·51	12·57	18·64	− 6·07	0·75	Masulipatam.
4						16	11		S 63° W	S 74° W	7·0	7·7	−0·7	79	0	86	+ 5	·875	+·025	8·1	+0·5	11	9·70	+ 1·30	6·39	5·40	+ 0·99	11·50	17·03	− 5·53	1·62	Cocanada.
1						16	14		S 66° W	S 84° W	11·6			89	+ 8	80	+ 1	·825	−·036	9·0	+1·2	8	8·40	− 0·40	5·22	5·32	− 0·10	10·30	16·15	− 5·85	1·54	Waltair (Vizag.).
1					1	15	9	5	S 71° W		7·3			78						5·1		13			6·76			18·10			1·06	Calingapatam.
	1				5	18	4	3	S 52° W	N 63° W	10·3	10·9	−0·6	79	+21	87	+ 2	·913	−·012	7·5	0	17	10·60	+6·40	10·75	7·96	+ 2·79	24·23	23·95	+ 0·28	2·29	Gopalpur.

† Mean of 30 days. * Uncorrected.

Table

(2) *Abstract of observations taken at 8 hrs., at 240 stations*

Number of subdivision.	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Stations in the Bay.																						
1	P. V. Fraser	8	29·636*		29·558*	29·820	30th	29·515	1st	·305	82·3												
	Car Nicobar	25	29·846		29·796	29·934	12th	29·791	31st	·140	80·5	84·9		76·1		80·7		8·5	87·4	2nd	72·6	5th	14·8
	Port Blair	58	29·791	+·002	29·779	29·861	24th	29·704	27th	·160	79·0	83·4	−1·9	76·3	−0·9	79·9	−1·4	7·1	86·2	14th	73·0	27th	13·2
	Slipper Island	80	29·708		29·731	29·777	30th	29·581	27th	·196	80·2	83·7		76·3		80·0		7·4	86·1	29th	73·1	2nd, 11th & 24th.	13·0
	Kashmir.																						
14	Srinagar	5,204	24·719	+·012	24·690	24·824	29th	24·491	1st	·333	69·9	83·1	−0·8	65·9	+3·0	74·5	+1·1	17·2	93·1	1st	61·1	5th & 6th.	32·0
	Gulmarg	*8,569*	21·805		21·773	21·884	29th	21·643	1st	·241	59·1	67·4		51·7		59·6		15·7	74·7	17th	45·8	6th	28·9
	Sonemarg	*8,764*	21·767		21·735	21·846	5th	21·599	1st	·247	55·6	69·1		51·6		60·4		17·5	78·4	1st	46·1	6th & 7th.	32·3
	Dras	*10,059*	20·730		20·698	20·798	31st	20·587	1st	·211	59·2	77·2		48·8*		62·9*		28·4	85·9	1st	40·0	18th	45·9
	Leh	11,503	19 673	+·009	19·641	19·733	31st	19·524	1st	·209	57·4	72·9	−4·5	50·0	+0·2	61·5	−2·2	23·9	80·1	1st	45·0	7th, 8th & 9th.	35·1
	Skardu	*7,505*	2.·696		22·666	22·811	31st	22·521	1st	·287	68·7	88·2		61·6		74·9		26·6	98·9	1st	54·6	6th	44·3
	Minimarg	*9,359*						Observations not received.															
	Astor	*7,955*														Observations not received.							
	Gilgit	4,890	24·901		24·871	25·074	5th	24·694	1st	·380	80·0	97·4	+3·2	71·4	−0·7	84·4	+1·3	26·0	106·7	2nd	63·2	5th & 6th.	43·5
	Baluchistan.																						
16	Quetta	5,502	24·474	−·005	24·434	24·555	30th	24·340	1st	·215	76·4	93·4	+2·9	65·6	+4·5	79·5	+3·7	27·8	97·1	9th	55·8	27th	41·3
	Chaman	4,311	25·473	−·014	25·435	25·572	26th	25·335	1st	·237	81·0	98·5	+0·5	71·7	+1·4	85·1	+1·0	26·8	104·8	10th	61·3	28th	43·5
	Robat		26·666		26·624	26·777	31st	26·505	2nd	·272	88·6	106·2		75·8		91·0		30·4	112 0	16th	66·2	27th	45·8
	Hill Stations, excluding Kashmir and Baluchistan.																						
	Chitral	*5,486*									75·5	98·1		65·8		82·0		32·3	102·2	9th	59·0	7th, 8th & 9th.	43·2
	Para Chinar	6,000	24·260		24·227	24·352	29th	24·042	1st	·310	73·2	83·4		65·0		74·2		18·4	94·1	2nd	60·0	31st	34·1
	Cherat	*4,956*	25·140‡	+·018	25·5081	25·642	29th	25·458	24th	·184	70·8	80·5	−6·4	67·1	−3·1	73·8	−4·8	13·4	89·1	1st & 25th.	60·5	5th	28·6
	Murree	6,333	23·757	+·013	23 725	23·852	29th	23·590	1st	·262	63·6	70·1	−4·3	59·4	−1·6	64·8	−3·0	10·7	76·0	7th	55·9	11th	21·0
	Kailang	*10,087*	20·888		20·843	20·976	18th	20·738	1st	·238	57·2	71·4	−2·3	51·4	+1·1	61·4	−0·6	20·0	80·8	1st	46·9	19th	33·9
	Simla	7,224	23·027	+·013	22·989	23·108	29th	22·882	1st	·224	61·2	65·1	−2·0	59·2	−0·3	62·2	−1·2	5·9	69·2	5th	57·1	4th	12·1
	Sarais		23·075			23·158	29th	22·958	1st	·200	61·1	68·2		57·9		63·1		10·3	74·0	20th	51·3	20th	22·7
	Kalabagh		20·105			20·161	29th	19·997	1st	·164	50·6	55·0		47·1		51·1		7·9	58·7	1st	44·1	4th	14·6
	Chakrata	7,022	23·220	+·042	23·180	23·308	29th	23·094	1st	·214	61·3	68 3	−0·5	59·1	−0·4	63·7	−0·5	9·2	71·3	5 days	56·2	4th	15·1
	Muktesar	7,592	22·764		22·723	22·850	29th	22·657	1st	·193	60·2	67·7		56·4		62·1		11·3	74·0	20th	54·0	28th	20·0
	Darjeeling	7,376	22·9701	+·019	22·9251	23·049	31st	22·809	26th	·140	61·8	67·8	+2·3	56·8	−0·4	62·3	+1·0	11·0	72·8	20th	52·2	3rd	20·6
	Shillong	4,920	25·021		24·973	25·105	30th & 31st.	24·967	16th	·138	68·0	75·7		63·1		69·4		12·6	78·9	22nd	61·2	5th	17·7
	Cherra Poonjee	4,309	25·577		25·528	25·671	30th	25·551	1st	·140	67·2	73·8		65·3		69·6		8·5	81·2	29th	63·3	6th & 12th.	17·9
	Maymyo	3,545	26·320		26·265	26·411	30th	26·226	26th	·185	69·4	77·3		66·4		71·9		10·9	81·4	6th	64·6	24th	16·8
	Pachmarhi	3,528	26·223	−·053	26·170	26·296	13th	26·101	2nd	·195	68·0	73·5	−1·2	66·7	−0·4	70·1	−0·8	6·8	77·2	6th & 13th.	63·1	1st	14·1
	Mount Abu	3,945	25·834	−·032	25·784	25·905	30th	25·745	1st	·160	67·0	70·3	−1·7	65·7	+1·5	68·0	−0·1	4·6	75·7	21st	62·4	21st	13·3
	Mercara	3,781	26·169	−·012	26·102	26·219	25th	26·108	1st	·111	63·4	67·9	−1·8	61·8	−0·2	64·9	−1·0	6·1	71·5	28th & 28th.	60·5	6th	11·0
	Ootacamund	*7,392*	22·985		22·921	23·035	14th	22·911	2nd	·124	55·3	61·9		50·9		56·4		11·0	67·0	26th	46·2	26th	20·8
	Kodaikanal	7,688	22·778		22·713	22·821	14th & 25th.	22·716	2nd	·105	56·9	63·7		52·4		57·8		10·8	66·5	24th & 28th.	51·0	24th & 27th.	15·5

N B—Elevations in italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

* Mean of 29 days.

‡ „ „ 30 „

B—*continued.*

in India, etc., in August, 1908—continued.

Wind Direction.											Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.								Heaviest rainfall during month.	Station.
Number of winds from										Resultant direction.	Normal direction.	Mean velocity in miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st August 1908.	Normal rainfall for period 1st May to 31st August.	Departure from normal of period, 1st May to 31st August 1908.		
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																								
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Stations in the Bay.
		2	2	2	9	12	4	2	S 24° W		11·0¶			58		88		·971		8·1		14			10·67			27·90			4·15	P. V. Fraser.
2						21	6		S 54° W§		4·9			90		86		·902		9·0		18			11·67			38·43			1·83	Car Nicobar.
					1	15	14	1	S 67° W	S 62° W	12·0**	10 8	+1·2	89	+10	87	−2	·869	−·051	9·2	+0·8	23			27·56	14·06	+13·50	95·94	65 48	+30·46	5·65	Port Blair.
					5	16	10		S 53° W		26·3			86		92		·915		9·3		21			17·35			56·07	¶		3 48	Slipper Island.
																																Kashmir.
15	1	1	1	2	6	1		4	S 7° W	S 48° E	2·7	3·6	−0·9	12	−20	85	− 1	·623	−·002	6·4	+1·8	8	4·70	+3·30	6·45	1·94	+4 51	10·35	9·30	+1·05	1·38	Srinagar.
2	2	7	4	1	2	8	3	2	W		6·3			1		83		·419		6·4		15			11 10			16·2¶			2·16	Gulmarg.
15	2	10	2				2		N 38° E		3·2			37		66		·296		6·6		13			5·23			14·88			0·90	Sonemarg.
29						2			S 45° W		7·0			3		64		·324		4·2		2	1·40	+0·60	0·56	0·58	− 0·02	3·59	4·59	−1·00	0·26	Dras.
28	1				1	1			S 45° W	N 85° W	2·2**	1·8	+0·4	3	−57	65	+ 6	·308	+ ·026	6·6	+2·4	5	1·70	+3·30	2·00	0·54	+ 1·46	2·40	1·33	+1·07	0·70	Leh.
22		3	5			1			N 75° E		5·3			20		51		·345		3·3		0	1·10	−1·10	0·33	0·96	− 0·63	3 20	2·72	+0·48	0·06	Skardu.
													Observations	not	received.																	Minimarg.
													Observations	not	received.																	Astor.
23			2			2	4		S 67° W		2·2			10		46	− 4	·467	−·027	3·3	−0·9	2	1·80	+0·20	0·60	0·34	+ 0·26	3·93	2·10	+1·83	0·26	Gilgit.
																																Baluchistan
23			1	4	2	1			S 30° E	S 22° W	3·0	2·7	+0·3	23	+17	56	− 2	·503	+ ·024	0·9	−0 2	0	0·70	−0·70	0	0 62	− 0·62	1·01	2·19	−1·18	0	Quetta.
9					5	13	4		S 43° W	S 61° W	6·8	8 4	−1·6	62	+11	30	− 3	·323	− ·046	0·7	+0·1	0	0	0	0	0	0	0	0·28	−0 28	0	Chaman.
7		6				4	13	1	N 80° W		7·8			40		57‡		·780‡		0		0			0			0			0	Robat.
																																Hill Stations excluding Kashmir and Baluchistan.
																									0·10			1·78			0·05	Chitral.
30								1	N 45° W		15·0			3		61		·536		2·1		0										
24				2	5				S 9° E		5·0			19		72		589		1·1		10	6·40	+3·60	3·64	2·57	+ 1·07	10·13	9·83	+0·30	0·60	Para Chinar.
25				2	4				S 15° E	S 31° E	5·7	8·1	−2·4	17	−11	90	+17	·676	+ ·088	6·2	+2·3	6			3·61	3·21	+ 0·40	9·28	10·03	−0·75	1·75	Cherat.
12	1	1	1	10	2	1		3	S 45° E	N 46° W	7·3	5·3	+2·0	27	+ 5	95	+13	·565	+ ·051	8·3	+3·5	20	15·60	+4·40	22·34	13·62	+ 8·72	44 95	31·96	+12·99	7·10	Murree.
	2		1	2	4	9	6	7	S 72° W		1·6**	1·8	−0·2	52		83		·388		8·2		9			3·13	1·43	+ 1·70	6·37	6 65	−0·28	0·76	Kailang.
5	9	1		2	12	1		1	S 11° E	N 31° E	2·7	3·6	−0·9	13	− 9	91	0	·493	−·013	9·5	+1·5	23	18·90	+4·10	18·63	17·67	+ 0·96	39·21	45·42	−6·21	2·05	Simla.
23		4			1	2			N 74° E		1·5			4		91		·492		8·6		27			22·64			37·86			5·20	Sarais.
9	3	1			13	4		1	S 15° W		5·1			36		96		·354		9·6		28			31 26			56·27 ††			7·70	Kalabagh.
18	5				7			1	S 30° W	S 39° E	4·0	5·4	−1·4	3	− 5	95	+ 2	·524	−·007	8·9	+0·0	23	20·10	+2·90	26·08	19·18	+6·90	54 91	50·45	+4·46	6·36	Chakrata.
11		1	9	7	2		1		S 66° E		7·1			49		95		·491		8·9		13			11·03			24·72			2·58	Mukteswar.
3	2	8	5	7	1		2	3	N 71° E	N 88° E	2·9	3·7	−0·8	40	0	92	− 4	·512	−·002	7·8	−1·2	17	24·13	−7·13	19·29	26·83	− 7·54	68·80	92·88	−24·08	3·32	Darjeeling.
29				2					S 45° E		1·8			3		84		·536		7·5		18	18·50	−0·50	8·18	12·70	− 4·52	43·16	51·91	−7·75	2·20	Shillong.
7		6	15	3					N 85° E		3·8			69		94		·634		8·3		26	25·70	+0·30	35·36	74·79	−39·43	201·25	322·98	−121·73	3·71	Cherra Poonjee.
18		4	3	1	1	2	2		S 34° E		2·0			10		91		·668		5·7		18	16·20	+1·80	6·87	9·66	− 2·79	27·98	35·23	−7·25	1·25	Maymyo.
	1	1		1		2	21	5	N 83 W	S 87° W	11·4	9·3	+2·1	82	+ 6	97	+ 5	·671	+ ·020	9·6	+0·5	27	21·80	+5·20	23·26	20·68	+ 2·58	64·17	57·21	+6·96	2·89	Pachmarhi.
3	2			2	5	12	6	1	S 48° W	S 59° W	10·8	11·2	−0·4	59	−19	93	+ 3	·665	+ ·056	10·0	+1·3	27	17·20	+9·80	55·68	20·21	+35·47	128·23	50·64	+77·59	11·30	Mount Abu.
						3	23	5	N 87° W	N 76° W	7·2	8·3	−1·1	96	+ 6	100	+ 5	·578	+ ·001	10·0	+1·1	31	26 70	+4·30	33·90	26·36	+ 7·54	108·40	99·84	+ 8·56	2·97	Mercara.
1						3	23	4	N 89° W		8·9			92		86		·378		7·9		9	11·30	−2·30	3·23	4·70	− 1·47	18·22	22·75	−4·53	0·54	Ootacamund
						2	13	16	N 69° W		13·8**			92		78		·363		4·9		10	11·30	−1·30	5·08	5·99	− 0·91	17·50	20·36	−2·86	1·70	Kodaikanal.

‡ Mean of 30 days. § Mean of 29 days. ¶ 8 hrs. velocity. ** Uncorrected. ¶ Rainfall since 23rd May 1908. †† „ 12th „

Table

(2) Abstract of observations taken at 8 hrs.

Number of subdivision.	Station.	Elevation of barometer above sea-level in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Extra India.																						
	Singapore (*a*)	10	29·927		29·858	29·980	14th	29·848	20th	·132	83·3	87·8		73·6		80·7		14·2	91·8	6th	72·8	11th	19·0
	Penang (*a*)	20	29·916		29·861	29·955	13th	29·856	14th	·099	81·0	90·2		73·4		81·8		16·8	92·0	6 days	72·0	6th, 13th & 25th.	20·0
	Trincomalee	12	29·847	+·015	29·785	29·900	25th	29·777	10th	·123	78·5	92·8	+0·7	77·4	+0·4	85·1	+0·6	15·4	95·0	27th & 29th.	73·0	11th	22·0
	Colombo	40	29·870	—·015	29·836	29·913	14th	29·810	9th	·103	78·0	86·2	+0·6	76·8	-0·7	81·5	-0·1	9·4	88·5	29th	73·0	5th	15·5
	Minicoy	7	29·938			29·990	14th	29·883	3rd	·107													
	Amini Divi	*13*	29·894	+·003	29·835	29·954	13th & 30th.	29·821	3rd	·133	81·6	86·4	+1·1	76·7	−0·7	81·6	+0·2	9·7	89·2	27th	72·8	6th	16·4
	Gyantse	13,120	18·587‡			18·709	22nd	18·510	27th	·199	51·7	70·6‡		43·8		57·2‡		26·8	78·7	30th	38·1	8th	40·6
	Pharijong	14,400	17·960‡			18·008	31st	17·916	26th	·092	46·6	58·6		36·8		47·7		21·8	66·1	20th & 21st.	30·5	4th	35·6
	Gangtok	5,660?	21·34‡			24·447	31st	24·265	16th	·182	67·2	73·6		61·6		67·7		12·0	79·6	5th & 17th.	58·8	3rd	20·8
	Gartok	15,100?						Observatory not opened.															
	Kashgar (*c*)	4,255	25·426			25·620	20th, 21st & 22nd.	25·260	26th	·360	76·0	92·2	+4·0	66·8	+1·5	79·5	+2·8	25·4	97·3	25th	62·3	8th	35·0
	Kabul		24·115		24·084	24·184	31st	23·953	1st	·231	78·4	95·3	+2·8	60·5	+1·0	77·9	+1·9	34·8	101·6	2nd	51·9	28th & 31st.	49·7
	Meshed	3,104	26·672			26·837	31st	26·565	20th	·272	74·0	91·5		54·2	—6·2	72·9		37·3	98·2	15th	42·8	27th	55·4
	Jask	13	29·580	—·028	29·550	29·697	30th	29·420	1st	·277	87·0	92·9	−1·6	83·6	−0·4	88·2	-1·0	9·3	94·8	8th	79·3	29th & 31st.	15·5
	Muscat	20	29·570	-·023	29·537	29·687	30th	29·403	1st	·284	84·0	89·6	+1·7	81·9	−2·4	85·8	−0·4	7·7	97·3	26th	75·6	13th & 14th.	21·7
	Bahrein	18	29·568		29·538	29·693	30th	29·420	1st	·273	92·5	98·0		86·3		92·1		11·7	106·6	23rd	81·9	22nd	24·7
	Bushire	14	29·508	-·036	29·481	29·633	31st	29·367	2nd	·266	90·9	97·8	+0·9	85·0	+1·0	91·5	+1·0	12·9	112·1	27th	78·6	30th	33·5
	Busrah	25	29·528		29·511	29·705	30th	29·394	3rd	·311	82·4	103·5		77·5		90·5		26·0	107·6	6th	71·1	31st	36·5
	Ispahan (*b*) (*f*)	*5,817*	24·206			24·350	24th	24·050	3rd	·300	73·6	95·1	+0·6	64·5	+3·1	80·3	+1·9	31·6	100·4	11th	56·2	23rd	44·2
	Tehran (*b*)	*4,002*	25·588			25·800	1st	25·450	1st, 2nd & 9th.	·350	78.6	100·3	+3·6	73·2	+2·5	86·8	+3·1	27·1	106·6	12th	65·3	27th	40·8
	Baghdad	220	29·438	—·009	29·627	29·606	30th	29·242	3rd	·364	86·8	110·3†	+1·8	79·5	+0·7	94·9†	+1·3	30·8	116·8	25th	74·9	14th	41·9
	Beirut				29·734						82·1**	88·4		73·0		80·7		15·4	90·4	24th	70·0	21st	20·4
	Aden	94	29·641	-·009	29·665	29·766	8th	29·552	1st	·214	84·5	91·7	+0·2	80·2	+0·6	86·0	+0·4	11·5	95·3	24th & 26th.	74·9	8th & 9th	20·4
	Perim	201	29·497	—·043	29·630	29·636	8th	29·437	21st & 26th.	·199	88·8	96·2	0	85·4	+1·9	90·8	+1·0	10·8	100·5	22nd	80·2	8th	20·3
	Zanzibar	72	30·075	—·012	30·074	30·143	7th	30·021	19th	·122	75·6	81·7	+0·9	73·1	+0·4	77·4	+0·7	8·6	84·9	28th	71·2	9th	13·7
	Do. Dunga (*g*)	*154*	29·931		30·015	29·980	7th	29·865	4th & 5th	·115	73·1	81·8††		72·1		77·0††		9·7	85·5	28th & 31st.	69·8	10th	15·7

N.B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

(*a*) 9 hrs. observations. (*b*) Aneroid uncorrected. † Mean of 18 days. (*c*) Aneroid corrected. (*f*) 7 hrs. observations. ** 8½ hrs. observations. (*g*) Observations of 28 days. †† Mean of 24 days.

B—*concluded.*

at 240 stations in India, etc., in August, 1908—concluded.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction	Normal direction	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st August 1908.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Extra India.
0		1	3	6	3	8		1	S 3° E		6·6 *			37						6·4		13			4·07			23·61			0·62	Singapore.
		8	15	1	5		1	1	N 88° E		10·3 *			66						1·1		11			14·66			47·67			3·57	Penang.
1						29	1		S 46° W	S 45° W	8·1 *	14·0	−5·6	96	− 1	81	+3	·799	−·070	3·3	+0·4	7			4·75	4·64	+0·11	6·96	10·58	− 3·62	2·08	Trincomalee.
1						29		1	S 47° W	S 61° W	6·5	9·2	−2·7	96	+8	89	+12	·865	+·019	6·3	+0·2	5			2·27	3·90	− 1·63	18·08	23·08	−10·00	0·60	Colombo.
	1					21	15		N 68° W	N 79° W	3·8	14·9	−6·1	87	−3					4·3	−0·9	9			2·91	6·49	− 3·58	34·72	28·15	+ 6·57	0·63	Minicoy.
						12	8		N 80° W					90		81	−2	·873	−·026	7·3	+0·6	13			5·60	5·04	+ 0·56	44·78	32·19	+12·59	0·90	Amini Divi.
1	1			18	1	1			S 31° E		0·6			81		68		·261				7			2·75			6·06			0·68	Gyantse.
		2	9	6	1				S 32° E †		10·1			83		77		·243		5·5		13			3·55			17·47			0·70	Pharijong.
	1				1				§		0·8			90		81		·598		2·7		26			17·09			72·61			1·93	Gangtok.
														Observatory not opened.																		Gartok.
							6		N 45° W	N 48° W	2·4	4·3	−1·9	19	+12	42	−11	·377	−·055	0·9	−3·9	1			0·60	1·10	− 0·50	1·10	2·58	− 1·48	0·60	Kashgar.
	6	6			3	1	9	6	N 42° W	S 88° E				43	+34	44		·428		0·1	−0·1	0			0·07	0·18	− 0·11	0·25	1·13	− 0·88	0·07	Kabul.
	4	1					1		N		1·0			18		48		·406		0·4	?				0	0·01	− 0·01	2·92	0·99	+ 1·93	0	Meshed.
			18	9					S 75° E	S 74° E	11·4	14·4	−3·0	82	+6	80	+5	1·014	−·007	2·2	+0·1	0			0	0	0	0	0·13	− 0·13	0	Jask.
		1	5						S 52° E	S 76° E	3·4	4·4	−1·0	23	−37	83‡	+1	1·073‡	+·071	3·8	+1·6	0			0	0	0	0	0·40	− 0·40	0	Muscat.
	3		2	3	1	2	9	11	N 67° W		6·9			48		72		1·103				0			0			0			0	Bahrein.
		8	7	4				6	N 58° E	N 59° E	8·1 ‖	7·2	+0·9	43	+21	74	+7	1·059	+·070	2·4		0			0	0	0	0·07	0	+ 0·07	0	Bushire.
		1	1		3	4	15	6	S 87° W		6·1			65		61		·764		0·5		0			0			0·25			0	Busrah.
		1			1				S 71° E	N 34°.W	1·7	3·3	−1·6	4	−15	50	+1	·421	−·040	0·6	0	0			0	0	0	0·23	0·17	+ 0·06	0	Ispahan.
7	9	5	2	1	3	3	1		N 35° E	S 14° W	4·5	2·2	+2·3	39	+28	62	+30	·610	+·251	0·2	−0·6	0			0	0·05	− 0·05	0·39	0·83	− 0·44	0	Tehran.
6	2	1				5	15		N 36° W	N 4° W	9·4	3·9	+5·5	71	+10	35	−10	·449	−·165	0·3	+0·1	0			0	0·09	− 0·09	0·11	0·33	− 0·22	0	Baghdad.
						27	1	3	S 52° W					92		65		·714		1·4		0			0			1·05			0	Beirut.
	4	3	8	10	1				S 38° E	S 12° W	10·7	10·7	0	59	+ 5	76	+ 4	·891	+·053	4·5	+0·8	1			0·14	0·14	0	0·15	0·37	− 0·22	0 11	Aden.
6	2	2				1	3	18	N 38° W	W	12·8	13·8	−1·0	78	+36	66	−3	·848	−·041			2			1·93	0·43	+ 1·50	1·95	0·83	+ 1·12	1·47	Perim.
			2	13	10	2			S 21° W	S 1° W	8·6 ¶	6·9	−0·3	71	−15	83	− 2	·729	+·001	7·1	+0·9	5			1·28	1·90	− 0·70	22·83	16·33	+ 6·55	0·38	Zanzibar.
			1	5	4	7			S 45° W		8·8			75		95		·780				3			1·72			22·69			0·64	Do. Dunga.

‡ Mean of 30 days.

§ Indeterminate.

* Uncorrected.

¶ Mean of 27 yrs.

‖ ,, ,, 28 ,,

Table C.—Abstract of observations taken at 8 hrs., at 31 fourth-class stations in India, etc., in August, 1908.

Table

Abstract of observations taken at 8 hrs.

Number of subdivision.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	II.—Eastern Bengal and Assam.																								
4	Bishnath	79·1	90·0	...	70·6	...	80·3	...	19·4	97·5	4th	67·6	28th	29·9	...	...	..	...	...	...	...	...	...	...	...
	Borjuli	81·0	91·8	...	75·1	...	83·5	...	16·7	98·3	4th	71·0	12th	27·3	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	81·3	90·7	...	75·6	...	83·2	...	15·1	94·6	3rd	74·0	6th	20·6	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	78·5	90·6	...	75·4	...	83·0	...	15·2	96·1	4th	72·6	20th	23·5	...	...	...	...	...	...	...	...	...	...	...
	Dikom	79·3	90·4	...	75·6	...	83·0	...	14·8	98·4	4th	71·2	14th	27·2	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	79·5	89·4	...	76·0	...	82·7	...	13·4	96·1	4th	72·9	7th	23·2	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	78·0	90·9	...	75·7	...	83·3	...	15·2	96·0	3rd	74·0	13th, 19th & 31st.	22·0	...	...	...	...	...	...	...	...	...	...	..
	Jorehat	80·8	89·9	...	76·3	...	83·1	...	13·6	97·1	4th	72·8	17th	24·3	...	...	...	...	...	...	...	...	...	...	...
	Messa	83·5	94·9	...	75·3	...	85·1	...	19·6	99·5	31st	69·3	19th	30·2	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	75·6	89·7	...	74·1	...	81·9	...	15·6	95·5	4th	71·0	5th, 11th & 12th.	24·5	...	...	...	...	...	...	...	...	...	...	...
	Srimangal	81·3	91·4	...	76·2	...	83·8	...	15·2	94·9	29th	73·4	3rd & 29th	21·5	...	...	...	...	...	...	...	...	...	...	...
5	Brahmanbaria	81·9	89·8	...	77·2	...	83·5	...	12·6	94·0	29th	74·9	31s.	19·1	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	79·0	92·2	...	74·5	...	83·4	...	17·7	96·9	29th	70·9	30th	26·0	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	82·6	88·8	...	77·2	...	83·0	...	11·6	92·5	29th	75·2	30th	17·3	..	...	...	...	...	...	...	...	..	...	...
	Kalchini	83·0	90·0	...	75·1	...	82·6	...	14·9	92·6	6th & 22nd.	71·9	3rd	20·7	...	...	..	...	...	...	...	...	...	...	...
	Nagrakata	79·4	90·5	...	74·6	...	82·6	...	15·9	94·1	5th, 12th, 15th, & 30th.	71·0	3rd	23·1	...	...	...	...	...	...	...	...	...	...	...
	Pabna	84·0 (a)	91·5	...	77·0	...	84·3	...	14·5	96·0	29th &	72·7	26th	23·3	...	...	...	...	...	...	...	...	...	...	..
	III.—Bengal.																								
6	Fraserganj*	8·.·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	2	15	4	1	0	S 9° E	...
	XI.—Central Provinces.																								
24	Chhindwara	73·8	80·2	...	71·2	...	75·7	...	9·0	84·7	6th	69·9	15 days	14·8	...	...	...	...	1	...	4	16	10	N 81° W	...
	Hill Stations.																								
	Panighatta	80·8	89·3	...	73·7	...	81·5	...	15·6	97·3	29th	69·5	3rd	27·8	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	68·3	74·2	...	64·4	...	69·3	...	9·8	81·3	29th	61·3	3rd	20·0	...	...	...	...	...	...	...	...	...	...	...
	Poot	...	73·1	...	59·0	...	66·1	...	14·1	81·1	11th	56·2	2nd	24·9	25	...	1	...	2	...	1	...	1	S 45° E	...
	Karjil	67·3	89·8	...	51·9	...	70·9	...	37·9	97·9	2nd	47·8	5th	50·1	...	1	2	...	...	...	11	6	11	N 84° W	...
	Killa Drosh	79·3	96·0	...	72·9	...	84·5	...	23·1	102·2	2nd	62·5	30th & 31st.	39·7	25	...	1	1	...	...	1	...	...	N 27° W	...
	Pishin	...	96·2	...	66·6	...	81·4	...	29·6	100·4	10th & 11th.	55·1	28th	45·3	...	...	...	...	...	...	...	...	...	...	...
	Kalat	74·0	91·0	+0·6	57·4	+9·3	74·3	+5·0	33·6	96·1	11th	47·9	28th	48·2	...	6	...	2	...	22	...	1	...	S 4° E	...
	Extra India.																								
	Birjand‡	75·4	89·1	...	65·0	...	77·0	...	24·1	96·8	3rd	51·4	6th	45·4	2	8	9	1	1	2	...	...	...	N 36° E	...
	Chumbi	57·1 §	66·3	...	50·4	...	58·4	...	15·9	71·8	22nd	44·3	4th	27·5	...	...	...	...	...	...	...	...	...	...	...
	Kermanshah	79·3	98·3	...	67·9	...	83·1	...	30·4	103·0	1st & 12th	60·0	30th	43·0	...	...	...	...	...	...	...	...	...	...	...
	Koweit	...	107·1 §	...	86·4	...	96·8	...	20·7	114·4	23rd	82·2	17th	32·2	1	...	...	...	1	...	...	10	17	N 62° W	...
	Maidan	...	118·7 §	...	...	...	...	...	...	131·0	21st	...	...	...	...	...	...	...	1	2	17	10	1	S 58° W	...

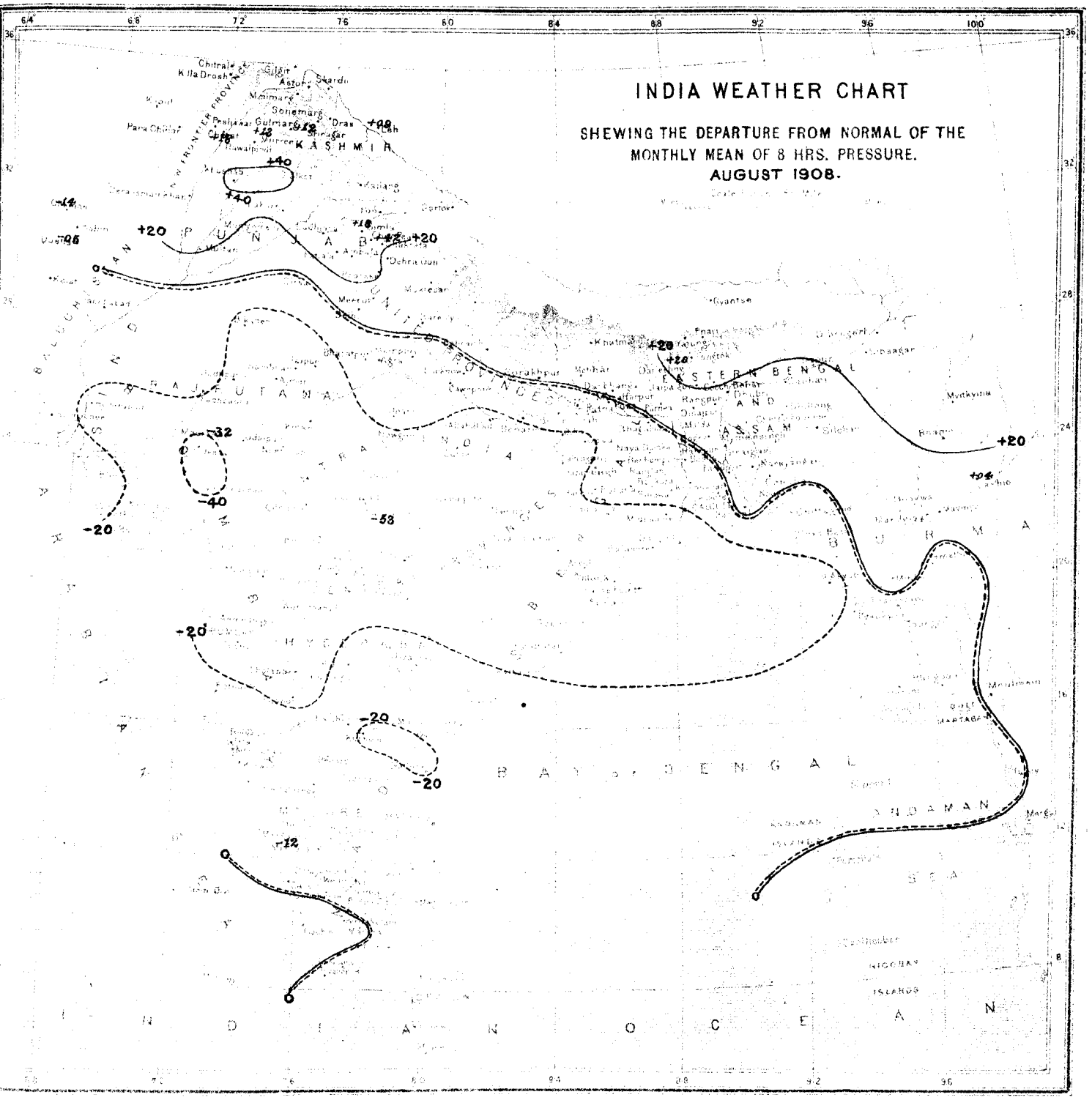
(a) Mean of 26 days. † Observations of 30 days. * Wind variable 1 and wind observations less 3. § Uncorrected. ‡ Observations of 27 days.

C.

at 31 fourth-class stations in India, etc., in August, 1908.

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Mean velocity, miles per hour.	Normal	Percentage departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st August 1908.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August 1908.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Eastern Bengal and Assam.
...	...	...	...	...	92	...	·916	...	...	...	15	...	...	12·05	...	..	52·90	...	...	3·49	Bishnath.
...	...	...	...	...	87	...	·928	...	...	...	8	...	...	7·61	...	...	48·93	...	...	1·70	Borjuli.
...	...	...	...	...	87	...	·934	...	...	...	15	...	...	13·48	...	...	61·98	...	...	3·04	Chandkhira.
...	...	...	...	...	93	...	·918	...	...	...	10	...	...	7·29	...	...	65·59	...	...	1·38	Doom Dooma.
...	...	...	...	...	91	...	·909	...	...	...	11	...	...	13·62	...	...	66·79	...	...	2·86	Dikom.
...	...	...	...	...	91	...	·924	...	...	..	15	...	...	13·52	...	...	39·58	...	...	2·90	Golaghat.
...	...	...	...	...	93	...	·879	...	...	...	21	...	...	29·57	...	...	72·89	...	...	5·10	Hailakandi.
...	...	...	...	...	89	...	·940	...	...	...	16	...	...	13·95	...	...	51·50	...	...	2·11	Jorehat.
...	...	...	...	...	81	...	·938	...	...	...	17	...	...	11·52	...	...	63·30	...	...	1·71	Messa.
...	...	...	...	...	95	...	·842	...	...	...	8	...	...	8·63	...	...	32·93	...	...	3·22	Panerihat.
...	...	...	...	...	88	...	·947	...	...	...	19	...	...	10·03	...	...	48·50	...	...	2·11	Srimangal.
...	...	...	...	...	85	...	·928	...	...	...	13	...	...	4·58	...	..	36·95	.	...	1·00	Brahmanbaria.
...	...	...	...	...	92	...	·909	...	...	...	20	...	...	26·38	...	...	98·96	...	...	3·16	Dam Dim.
...	...	...	...	...	86	...	·964	...	...	...	18	...	...	4·88	...	...	32·44	...	...	0·68	Goalundo.
...	...	...	...	...	82	...	·936		...	...	13	...	...	9·17	...	...	82·70	...	...	3·30	Kalchini.
...	...	...	...	...	90	...	·905	...	...	...	19	...	..	21·04	...	...	94·25	...	...	4·00	Nagrakata.
...	...	...	...	...	83	...	·974	...	...	...	7	...	...	3·31	...	...	49·73	...	...	0·78	Pabna.
					(*a*)		(*a*)										¶				**III.—Bengal.**
...	...	...	70	...	89	...	·959	...	...	...	16	...	...	14·29	...	...	37·84	...	...	3·48	Fraserganj.
‖																	**				**XI.—Central Provinces.**
7·4	...	...	83	...	88	...	·743	..	...	...	12	...	...	8·02	...	...	16·01	...	...	2·25	Chhindwara.
																					Hill Stations.
...	...	...	...	...	83	...	·857	...	...	...	21	...	...	22·72	...	...	86·76	...	...	3·53	Panighatta.
...	...	...	...	...	89	...	·613	...	...	...	20	...	...	25·52	...	...	110·19	...	...	5·25	Kurseong.
...	...	...	3	...	...	...	...	...	6·8	...	5	...	..	1·25	0·45	+0·80	2·83	2·57	+0·26	0·49	Poo.
...	...	...	65	...	38	...	·255	...	3·2	...	2	...	...	0·38	...	...	3·05	...	...	0·15	Kargil.
...	...	...	6	...	59	...	·589	...	2·8	...	2	...	...	0·36	...	...	2·55	...	...	0·13	Killa Drosh.
...	...	...	...	..	...	...	...	...	0·3	...	0	...	...	0	0·15	−0·15	0·17	0·45	−0·28	0	Pishin.
...	...	...		...	51	...	·432	...	0	...	0	...	...	0	0·31	−0·31	2·39	1·65	+0·74	0	Kalat.
			52		(*a*)		(*a*)														**Extra India.**
...	...	...	54	...	24	...	·223	...	0	...	0	...		0	...	...	0	...	...	0	Birjand. ††
...	...	...	...	...	90	...	·424	...	...	...	16	...	...	4·78	...	...	...	...	...	0·77	Chumbi.
...	...	...	...	...	33	...	·337	...	...	...	0	...	...	0	...	...	1·84	...	...	0	Kermanshah.
...	...	...	79	...	...	...	...	...	0·5	...	0	...	...	0	...	...	...	...	...	0	Koweit.
...	...	...	84	...	...	...	...	...	1·0	..	0	...	...	0	...	...	0·15	...	...	0	Maidan.

†† Wind variable 3 and wind observations less 1. ‖ Corrected. ¶ Rainfall of 1st to 31st July not included. ** Total rainfal since 1st June 1908.
‡. Wind observations less 2.



The chart shows the departure from normal of the mean during the month of 8 hrs. pressure by means of lines drawn for equal amounts of departure. The numbers are given in thousandths of an inch, 20 representing ·020 or two hundredths of an inch, &c. Continuous lines indicate that the pressure was in excess by amounts indicated by the numbers attached to the lines, and broken or dotted lines that it was in defect by amounts indicated by the numbers attached to the lines. Two parallel lines near to each other, one continuous and the other broken or dotted, represent the line of no departure, the dotted line facing the area of deficient pressure or negative departures.

CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MAXIMUM TEMPERATURE.

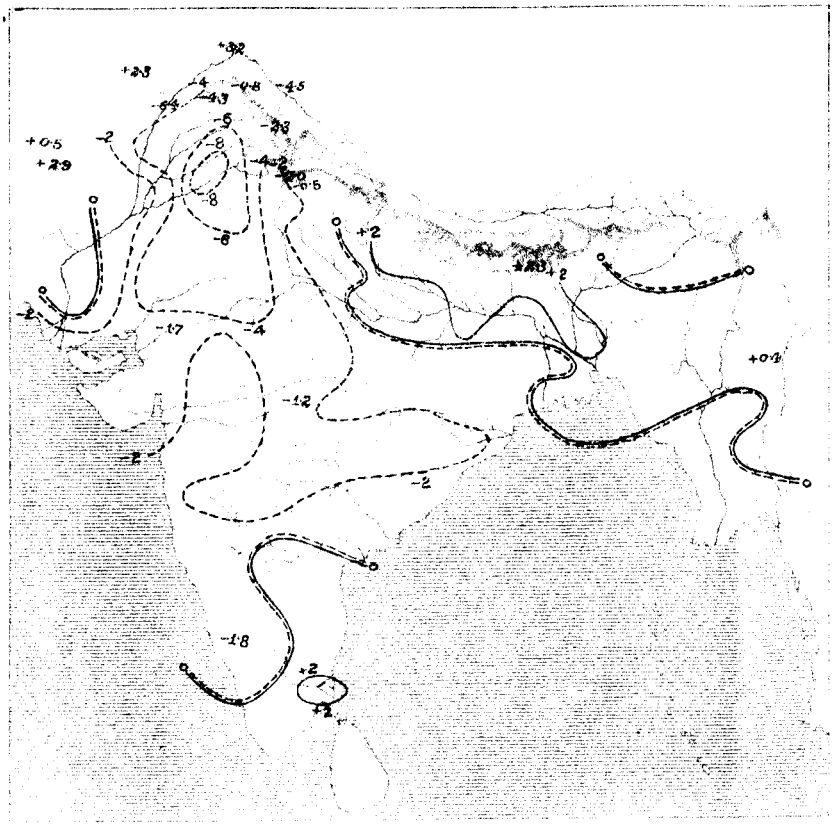


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

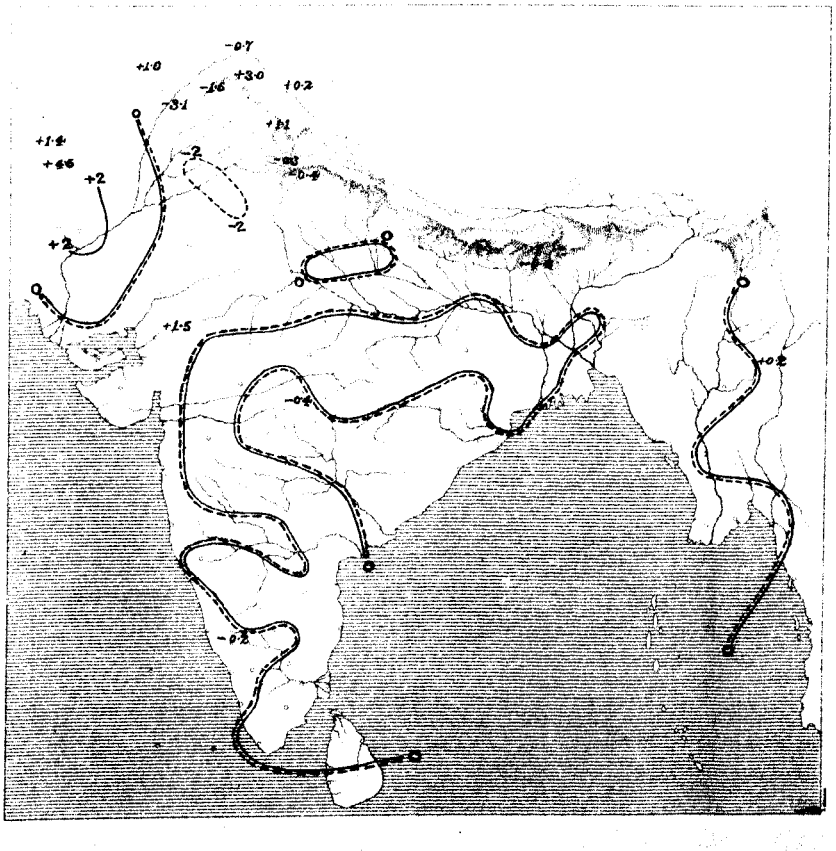


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MEAN TEMPERATURE.

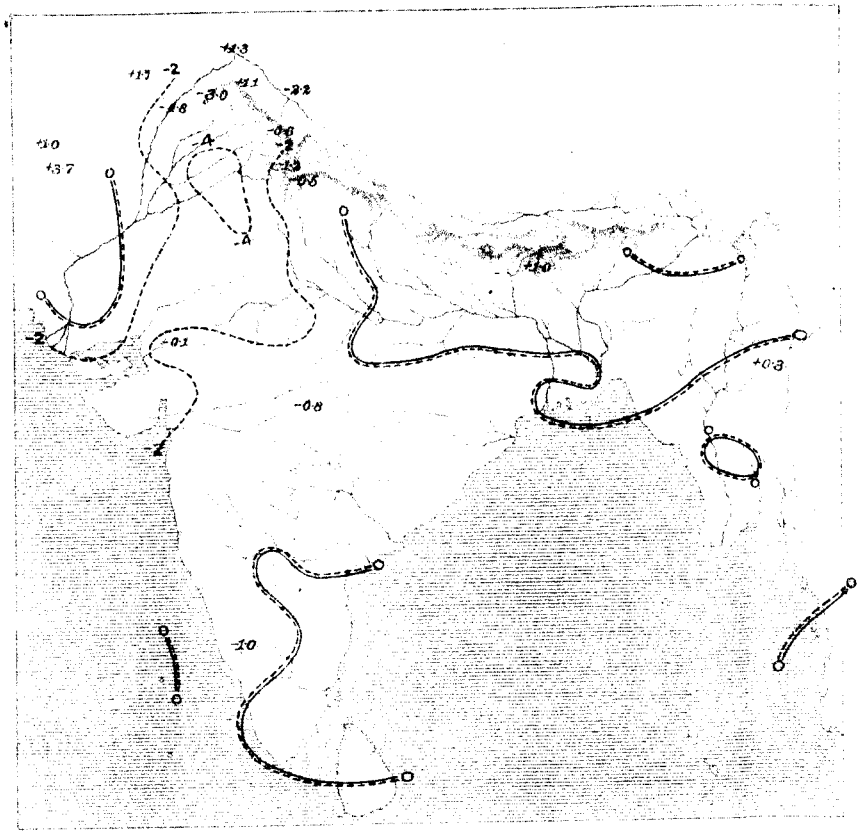
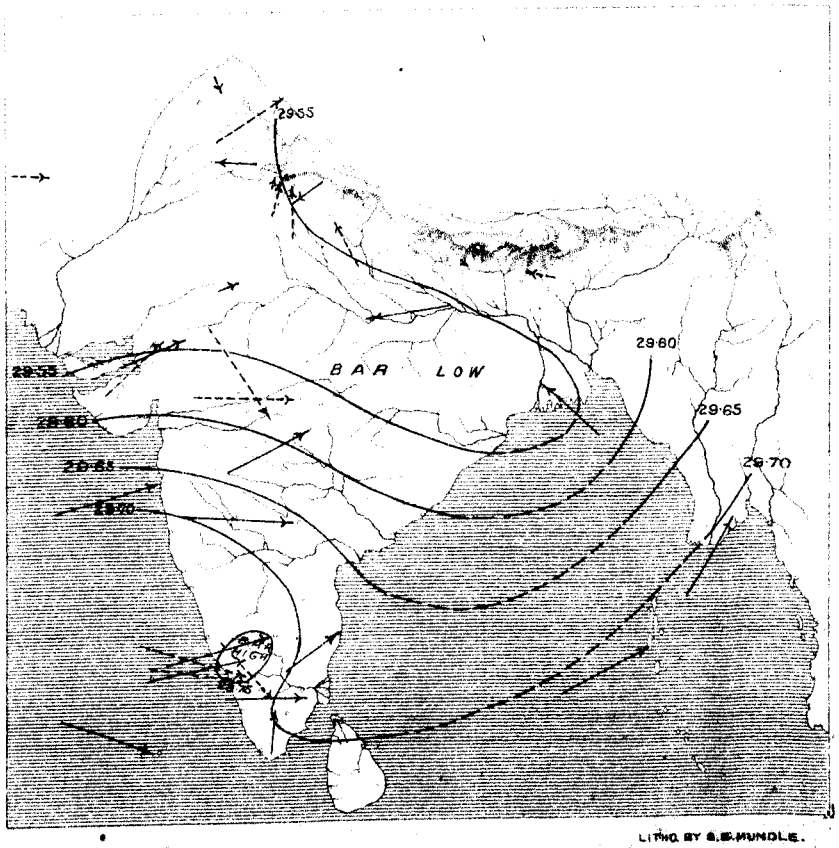


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.



LITHO. BY S.E.MUNDLE.

PLATE VI.

CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF CLOUD
AMOUNT AT 8 HRS.

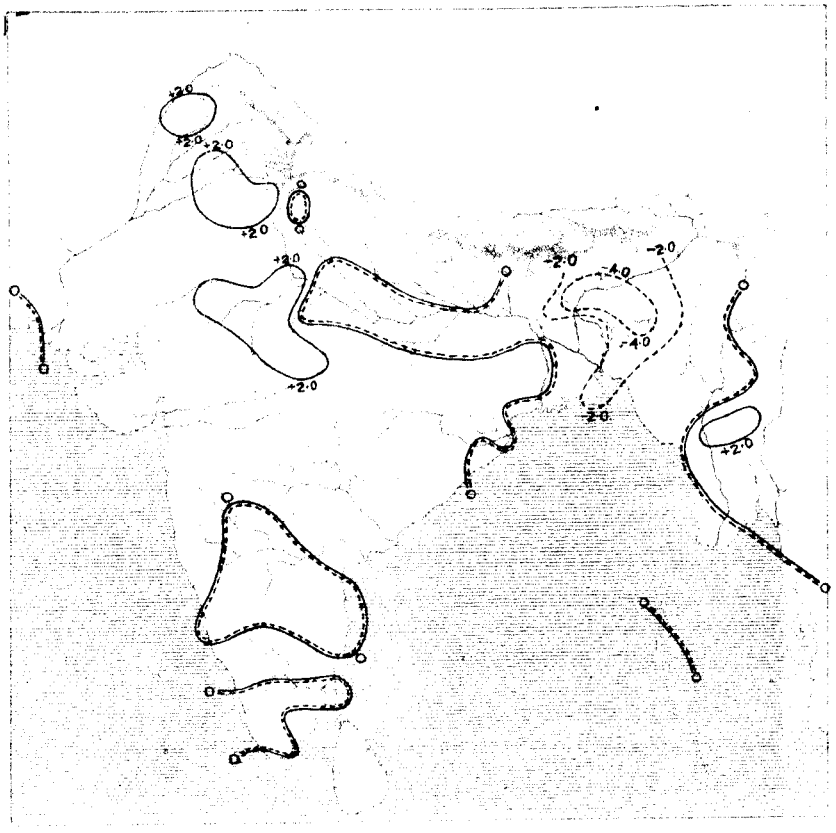
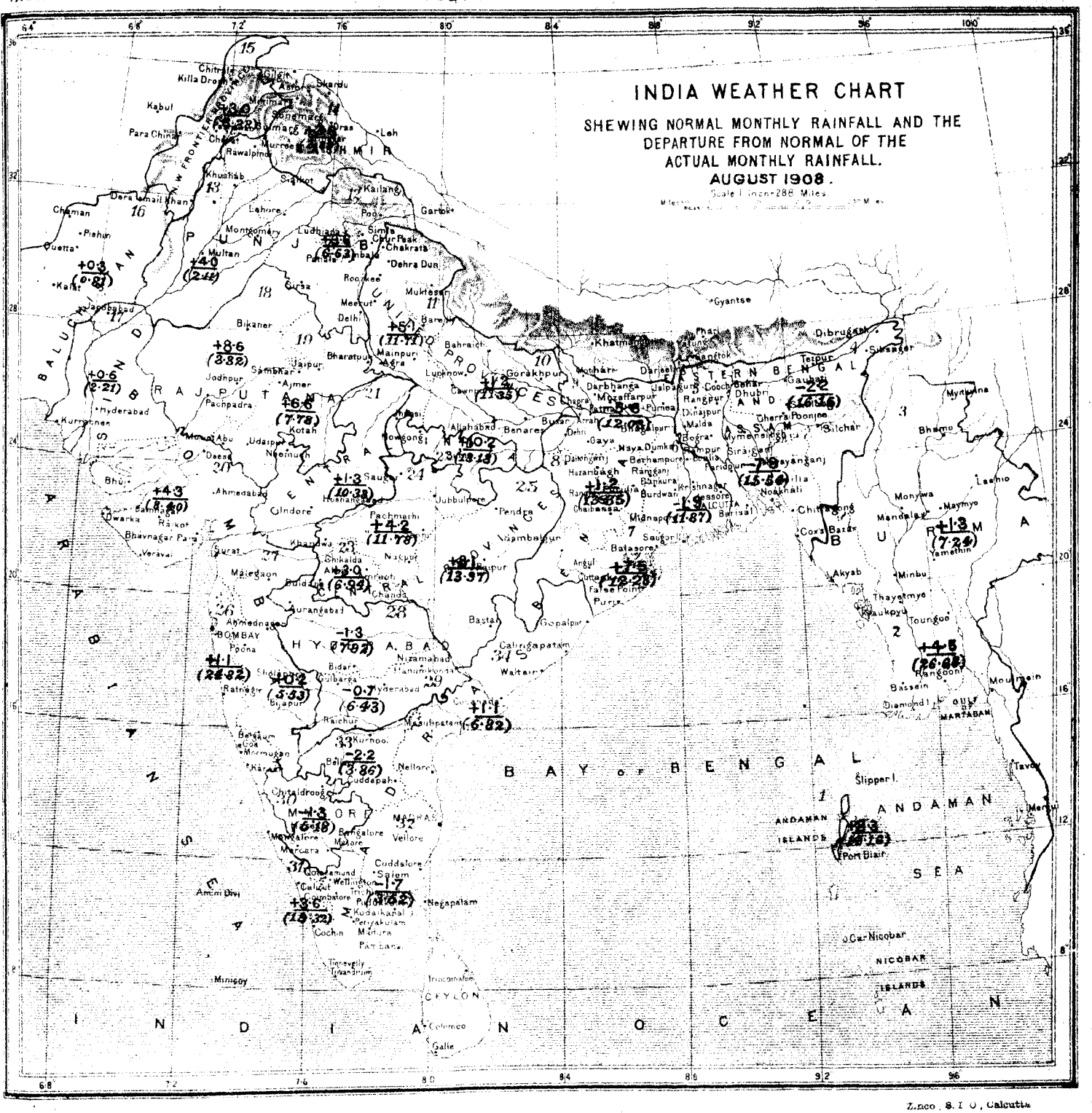


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE
MONTH ON WHICH RAINFALL EQUALLED OR
EXCEEDED 0·10 INCH
(BASED ON THE RETURNS OF TABLE 8

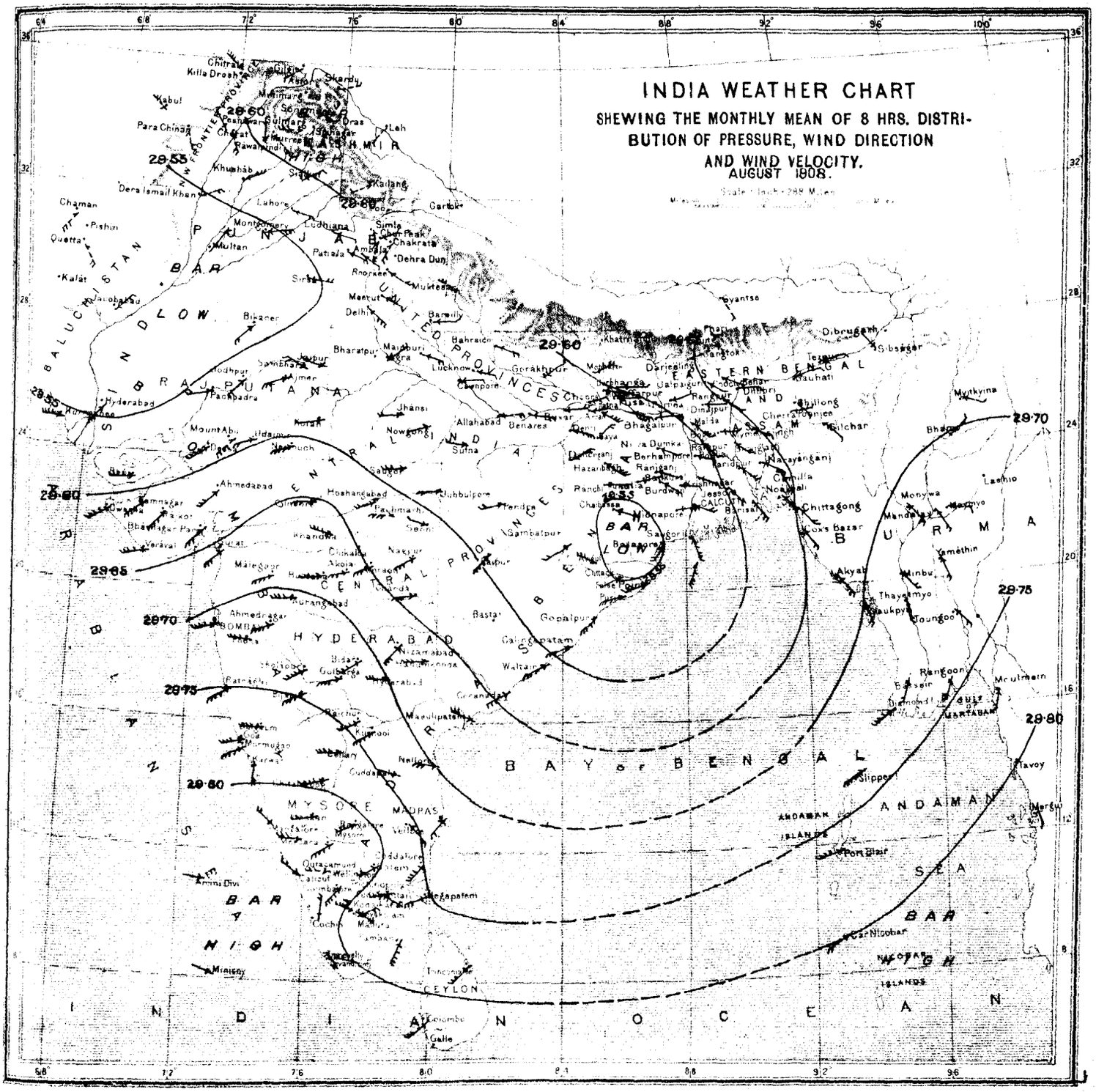


Zinco. S. I. O., Calcutta.

Reg. No. 1653 E., 08.—Wr., India.—July 08.—5,000.

The country is divided into 34 areas as shewn in the list below. The numbers in that list correspond with the red numbers on the chart, and serve to identify the areas. The numbers in brackets on the chart give the average over the divisions of the normal monthly rainfall; the numbers above these give the departures from normal of the average actual rainfall over the divisions.

1. Bay Islands
2. Lower Burma
3. Upper Burma
4. Assam
5. Eastern Bengal
6. Bengal
7. Orissa
8. Chota Nagpur
9. Bihar
10. United Provinces, East
11. Do., West
12. Punjab, East and North
13. Do., Southwest
14. Kashmir
15. Northwest Frontier Province
16. Baluchistan
17. Sind
18. Rajputana, West
19. Rajputana, East
20. Gujarat
21. Central India, West
22. Do., East
23. Berar
24. Central Provinces, West
25. Do., East
26. Konkan
27. Bombay, Deccan
28. Hyderabad, North
29. Do., South
30. Mysore
31. Malabar
32. Madras, Southeast
33. Madras, Deccan
34. Madras Coast, North



LITHO. BY S. B. MUNDLE.

The lines of the above chart represent isobars or lines of equal barometric pressure, the numbers attached indicating the barometric pressure in inches and being drawn for differences of pressure of ·05 inch. The isobars in the Bay of Bengal are filled in by means of the shore observations, and by comparison with the normal distribution of pressure.

The mean 8 hrs. wind directions of the month are shewn by means of arrows flying with the wind, and are calculated by means of Lambert's formula applied to the winds as given in Table B of the 8 hrs. observations. The mean wind directions for the hill stations are indicated by broken arrows to distinguish them from the wind arrows for the plain stations. The mean velocity of the winds during the month is shewn by the following notation:—

Velocity of	0 to 2 miles per hour	one feather added to the wind arrow.
,, ,,	2 to 5 ,, ,, ,,	two feathers ,, ,, ,, ,,
,, ,,	5 to 10 ,, ,, ,,	three ,, ,, ,, ,, ,,
,, ,,	10 to 20 ,, ,, ,,	four ,, ,, ,, ,, ,,
	over 20 ,, ,, ,,	five ,, ,, ,, ,, ,,

Ztnco. S. I. O., Calcutta.

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METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

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SIMLA, SEPTEMBER, 1908.

INTRODUCTION.

This review of the weather in India during the month of September, 1908, is based on observations taken daily at 8 hrs. at 238 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 36 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by Provincial Governments up to the date of the preparation of the review have been utilized. The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories.

For a statement of the methods adopted in recording and tabulating the data for each of the elements of observation, reference should be made to the introductory portion of the review for January.

Summary of the chief features of the weather in India during the month of September, 1908.

2. The monsoon was very active in upper India during the first week and, under the influence of a depression which moved northward from north Rajputana, rain fell over the whole of this area, being especially heavy in the southwest Punjab and the North-West Frontier Province. With the disappearance of the depression on the 6th the monsoon commenced its retreat, and by the end of the month was entirely confined to Burma, northeast India and the peninsula. The Bay current was fairly vigorous in northeast India during the second week, and the total rainfall for the month was approximately normal except in Chota Nagpur and Bihar where the deficiencies were serious. In the peninsula the distribution of rainfall was determined chiefly by three depressions which formed over the Bay, the most important being the one which appeared over the Andaman Sea on the 19th and crossed into Hyderabad, where it gave excessively heavy rain causing great floods in south Hyderabad. In the United Provinces, Central India, the west of the Central Provinces, Gujarat, Mysore and on the west coast rainfall was very scanty. The rainfall was thus much more irregularly distributed during this month than in July and August.

Temperature and humidity were normal except in the regions of excessive rainfall, where the former was in defect and the latter in excess and skies more cloudy than usual.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar Observations.*—There was only one day during the month on which no solar observations were possible; but on six other days the weather was not fine enough for recording the prominences visually. On five of these days photographs were obtained. These were all flocculus plates but they showed the brighter prominences.

Sunspots.—The outburst of large spots on the sun which was such a noticeable feature in August continued to some extent in September. There were four large spots seen of which three were visible to the naked eye. The total number of new groups observed was 21 with a daily average of 5·0.

Of these groups 14 were small. The distribution in latitude was as follows:—

	0°-10°	11°-21.°
North	8	2
South	5	6

Twelve groups formed on the visible disc and all of these except two were small dots lasting from one to three days. Of the several large spots seen in August only two returned for another rotation, and they were at first mere remnants of scattered groups observed previously. One of these, however, (No. 1519) which came round the east limb on the 21st began to grow in size as it approached the centre of the disc, and on the 27th, when it had just crossed the central meridian, its spectrum indicated some disturbance. The C line was brilliantly reversed over the umbra as well as D_1, D_2, B_1, B_2, B_3, and B_4. The helium line D_3 was bright over the umbra and dark in the adjoining regions. Group No. 1522 was in the same place as 1482 which formed on the visible disc near the west limb during the rotation before the last, but was not seen at all during the last rotation.

Prominences.—There was a great decline in the prominence activity during the month. Only 25 prominences of one minute and upwards in height were recorded, while none exceeded 90 seconds.

Magnetic disturbances.—There were "very great" magnetic disturbances on the 12th and 29th and a "great" disturbance on the 30th. The disturbance of the 12th was probably associated with two groups of spots Nos. 1506 and 1508. The former of these was a large active group extending over 15° of longitude which crossed the central meridian on the 10th and 11th. The latter was a scattered group of small spots which crossed the central meridian on the 11th and 12th and showed considerable activity two days later. The disturbance on the 29th may have been connected with the very active group No. 1519 which crossed the central meridian on the morning of the 27th. When this group was similarly situated during the previous rotation (5th September) there was a "moderate" disturbance.

C. MICHIE SMITH,

Director,

Kodaikanal and Madras Observatories.

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of September the traces showed 8 calm days, 14 days of small, 4 days of moderate and 4 days of great disturbance.

The days selected as quiet for the purposes of the magnetic Survey of India are the 1st, 14th, 15th, 21st and 26th.

The observed absolute values of the several magnetic elements reduced to the mean monthly tabulations of the magnetograms, as also the ranges and the summed ranges of the horizontal force and declination for the month are as follow:—

Easterly declination	... 1° 2′ 4″
Horizontal force	... 0. 36827 C.G.S. unit.
Vertical force	... 0. 15945 „
Dip (calculated)	... 23° 24′·6.
Dip (observed twice a week) ...	... 23° 22′·9.
Horizontal force range	... 0·00039 C.G.S. unit.
Horizontal force summed range ...	... 0·00211 „
Declination range	... 5′·35.
Declination summed range ...	... 21′·30.

[NOTE:—Summed range means sum without regard to signs of 24 ordinates of diurnal inequality.]

The disturbance of the 12th September was the largest of the three disturbances classed as great during the month. It commenced first as an increasing disturbance a little after 12 noon on the 11th September, and its small but active movements continued till about 2·6 h. of the 12th. Continuous with these movements appears the large decreasing disturbance with the distinctive features usually associated with solar disturbances—a sudden abrupt rise (equal in this disturbance to about 120γ) and a rapid fall thereafter. The greatest effect of the disturbance was reached when the force indicated its lowest value at about 10 hrs. on the 12th, corresponding to a fall of about 415γ. After this the restitution to normal conditions began by irregular and fine movements of very small period. Normal conditions were reached by about the midnight of the 12th.

The commencement and general run of the disturbance are dissimilar to those indicated by the average diurnal inequality of great and very great disturbances at Colaba where the probability of the commencement of a great disturbance,

which is greatest at 11 A.M.—the hour at which the maximum of the usual diurnal wave also occurs—is about twice as great as at 2 hrs. when the disturbance in question appears to have commenced.

The following table represents the magnetic character of each day of the month—

Day.	Character.	Day.	Character.	Day.	Character.
1	C.	11	S.	21	C.
2	C.	12	G.	22	S.
3	S.	13	S.	23	C.
4	S.	14	C.	24	S.
5	G.	15	C.	25	S.
6	M.	16	M.	26	C.
7	S.	17	S.	27	S.
8	M.	18	S.	28	M.
9	S.	19	S.	29	G.
10	S.	20	C.	30	G.

C=calm ; S=small ; M=moderate ; G=great ; V. G.=very great.

SEISMIC DISTURBANCES RECORDED AT COLABA.

Four seismic disturbances were recorded during the month, on the 9th, 23rd, 26th and 28th.

List of seismic disturbances.

Date.	Commencement.	Maximum.	End.	Maximum Amp.	Duration.
September.	H. M.	H. M.	H. M.	mm	H. M.
9th . .	6 50·8	6 51·2	7 3·5	1·0	0 12·7
23rd . .	7 13·5	7 19·0	7 42·0	1·1	0 28·5
26th . .	6 8·5	6 17·6	6 33·5	0·6	0 25·0
28th . .	6 49·3	6 49·5	7 3·3	0·4	0 14·0

(All times given above denote G. M.T.)

N. A. F. MOOS,

Director,

Bombay Observatory.

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the Milne seismograph at the Alipore Observatory during September 1908.*

Date 1908.	P T. Commencement. G. M. T.	L. W. Commencement. G. M, T.	Maximum. G. M. T.	End G. M. T.	Duration.	Maximum displacement on trace from mean position m. m.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.		
September.							
„ 7th	15 9·6	...	15 12 2	15 21·3	0 11·7	0·50	
„ 10th	20 45·4	...	...	21 0·7	0 15·3	...	Thickening of the line.
„ 23rd	7 3·4	7 12·1	7 14·6	7 49·3	0 45·9	4·00	
„ 26th	6 10·0	...	6 17·1	6 51·7	0 41·7	0·50	Sensibility 1 m.m. 0·38 of tilt.
„ 28th	4 32·1	...	4 32·6	4 38·7	0 6·6	0·75	
„ „	6 53·2	6 56·3	6 59·8	7 10·5	0 17·3	0·75	
„ „	7 48·2	...	7 49·7	7 56·3	0 8·1	0·50	

C. W. PEAKE,

Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing Seismograph; magnification was 13 during the whole month.*

Date 1908.	Commencement of 1st P. T. G. M. T.	Commence. ment of 2nd P.T. & M. T.	Beginning of L. W. G. M. T.	Time of Maximum amplitude. G. M. T.	End approximately G. M. T.	Duration.	Maximum displacement of style.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	mm	
September.								
„ 9th	6 42·4	...	6 43·8	6 44·8	7 7·0	0 24·6	11	Distant.
„ 18th	...	...	2 22·9	...	...	...	0·4	Local.
„ 20th	...	...	5 52·1	5 55·0	6 3·0	0 10·9	1	Local.

The following table contains a list of the earthquakes that have been reported :—

Place at which felt.	Date.	Time of earthquake. G.M.T.	Direction.	Remarks.
		H. M.		
Peshawar	20th	5 40	...	Sharp.
Chitral	„	6 30	...	The earthquake was also felt at Kabul.
Berhampore	„	8 10	N to S	Slight.
Darjeeling	23rd	21 30	...	Sharp.
Port Blair	25th	...	...	Slight.

Solar Radiation.—The following figures give the intensity of solar radiation as measured at Simla by Angstrom's pyrheliometer. The values are corrected to local noon, and expressed in grammecalories per square centimetre per minute.

Maximum	1·45
Minimum	1·40
Mean	1·42
Number of days of observation	7

J. PATTERSON,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. Solar observations.—Observations were taken from 1st to 3rd, 7th, 8th, 10th, 13th to 21st excepting 17th and 20th, and again on 25th, 28th and 29th : groups of sunspots were seen throughout. The sunspots were especially numerous from 1st to 3rd and 18th to 21st and faculæ were seen on each day of observation.

MAGNETIC DISTURBANCES.

Day.	Time.	Disturbance.
8th	9h. to 22h. ...	Small fluctuations in H. F.
9th to 10th	22h. to 8h. ...	Undulations in H. F. (±8).
16th to 17th	13h. to 2h. ...	Wave in H. F. (—110); 5h. to 13h. wave in H. F. (+56). In Decl. occasional small undulations.
28th	12h. to 16h. ...	Double wave in H. F. (+30 to —43).
30th	5½h. to 22½h....	Wave in H. F. (—107) with superposed waves 5½h. to 8h. (—30); 18½h. to 19h. (+46); 21½h. to 22½h. (+40); frequent undulations in Decl. (±15).

T. F. CLAXTON,
Director.

Weather in the Indian monsoon region.

8. Pressure and winds were very nearly normal over the region represented by Mauritius, Seychelles and Zanzibar. Rainfall was heavier than usual at the Seychelles and in defect at the other two stations.

	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	+·013	+·013	—·002
Actual mean wind direction ...	S 77°E	S 3°E	S 40°E
Normal mean wind direction ...	S 72°E	S 6°E	S 40°E
Actual mean wind velocity (miles per diem.)	280	126	286
Normal mean wind velocity (miles per diem.)	288	134	288
Rainfall departure from normal ...	—0·75	—0·28	+0·57

Depressions and cyclonic storms.

9. The depression which was over Bundelkhand on the 31st August continued to move in a northwesterly direction and finally coalesced with a depression in north Rajputana on the 2nd, the centre being over Bikaner. During the first two days of the month the depressions gave widespread rainfall over the Central Provinces, Central India, the south and west of the United Provinces, the greater part of Rajputana, the Punjab, the North-West Frontier Province and Kashmir; the heaviest falls reported were 4·50″ at Nowgong, and 4·30″ at Kotah on the 1st, and 4·30″ at Cherat on the 2nd. The depression then moved very slowly in a north north westerly direction reaching the central Punjab on the 5th after which it could not be traced. The rainfall due to the depression during this period was almost confined to upper India where the total fall was heavy; at Sialkot 4·62″ of rain fell on the 5th.

The second depression of the month appeared off the south Coromandel coast on the 7th, but it was very short-lived and had disappeared by the morning of the 8th; it was the cause of nearly general and in places moderately heavy rain on the Madras coast from Nellore southward.

On the 12th the pressure changes, wind directions and decrease of rainfall in northeast India indicated that an area of low pressure was forming over the Bay, and on the next day a shallow depression was shown off the Circars; it developed slightly and then disappeared by the 15th without crossing the coast. The depression was instrumental in giving seasonable rain on the north Madras coast and the Deccan, but did not have much influence on the rainfall in other parts.

The next depression appeared off the Orissa coast on the 18th, but it also had a very brief existence and had disappeared

by the morning of the 20th. Rainfall due to it occurred chiefly in Orissa, the Deccan, and at the head of the Bay.

The last and by far the most important depression of the month probably entered the Andaman Sea from the east and the first indications of it appeared on the 19th: it developed into a cyclonic storm and moved almost due west across the Bay to the central Madras coast which it reached on the 25th. While it was in the Andaman Sea it caused an almost complete cessation of rainfall in Burma except in the south but when it reached the south-east of the Bay rainfall extended northward over Burma.

The wet weather conditions initiated in the Deccan by the last depression continued with little interruption during the existence of this storm. The storm crossed the coast between 8 hrs. of the 25th and 8 hrs. of the 26th between Cocanada and Masulipatam, moved slowly in a north-westerly direction across the eastern Ghats into the south of Hyderabad on the 27th, and then curved northwards finally disappearing in the north of Hyderabad on the 30th. The depression gave exceedingly heavy rain over the south of Hyderabad causing very disastrous floods: at Hyderabad 12·03″ of rain fell from 8 hrs. of the 26th to 8 hrs. of the 28th and at Hanumkonda 12″ fell in 24 hours. The storm also gave fairly heavy rain in other parts of the Deccan and on the north Madras coast.

Pressure.

10. On the mean of the whole country pressure was ·006″ in excess; the most important feature of its distribution was the belt of relatively high pressure that extended across the country from Orissa and Bengal to Rajputana; to the south of this belt pressure gradually decreased, the excess changing to a defect in Madras and the south of Hyderabad. In other parts of the country pressure was normal. The belt of relatively high pressure extended along the usual position of the trough of low pressure which was thus less strongly marked than usual, and the pressure conditions were in consequence characteristic of a later period in the year.

The vertical gradients were normal up to the level of all the hill stations.

The usual pressure data for the 14 meteorological divisions and for a number of associated hill and plains stations are appended.

Division.	Departure from normal of mean 8 hrs. pressure.
	″
Burma	+·001
Eastern Bengal and Assam	+·015
Bengal	+·024
United Provinces	+·018
Punjab	+·021
North-West Frontier Province	+·025
Sind	+·022
Rajputana	+·032

Division.	Departure from normal of mean 8 hrs pressure.
	″
Bombay	—·005
Central India	+·023
Central Provinces	+·017
Hyderabad	—·024
Mysore	—·019
Madras	—·018

Hill station.	Departure from normal pressure A.	Plain Station.	Departure from normal pressure B.	Departure of pressure difference B—A.
	″		″	″
Quetta	+·015	Jacobabad	+·021	+·006
Leh	+·015	Lahore	+·012	—·003
Murree	+·009	Peshawar	+·018	+·009
Simla	+·010	Ludhiana	+·018	+·008
Chakrata	+·036	Roorkee	+·017	—·019
Darjeeling	—·002	Dhubri	+·007	+·009
Mount Abu	+·022	Deesa	+·014	—·008
Pachmarhi	+·015	Khandwa	+·014	—·001

Temperature.

11. Maximum temperature was in large defect in the south-west Punjab and the North-West Frontier Province, the greatest deficiency being 8½° at Dera Ismail Khan. The deficiency gradually disappeared southward from this region and in all other parts of the country the maximum was normal. In the northwest of upper India the low maximum temperature occurred during the period of wet weather at the beginning of the month and after these conditions disappeared it very slowly recovered. Minimum temperature was somewhat low over west Rajputana but it was normal elsewhere.

Division.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Burma	0	+0·8	+0·4
Eastern Bengal and Assam	+0·6	0	+0·3
Bengal	+ 06	+0·3	+0·5
United Provinces	+1·5	—0·7	+0·4
Punjab	—3·7	—1·2	—2·5
North-West Frontier Province	—7·5	—0·8	—4·2
Sind	—2·0	—0·7	—1·4
Rajputana	—2·4	—3·3	—2·9
Bombay	+0·6	+0·2	+0·4
Central India	+0·9	—0·7	+0·1
Central Provinces	+0·2	+0·3	+0·3
Hyderabad	—2·1	+0·7	—0·7
Mysore	+1·3	+0·6	+1·0
Madras	—0·9	0	—0·4

Sub-division.	Actual temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	84·2	76·3	80·2	7·8	13·9	—1·9	—0·7	—1·2
2. Lower Burma	85·9	76·2	81·1	9·6	16·3	+0·3	+1·1	—0·8
3. Upper Burma	90·2	74·9	82·7	15·3	24·4	—0·5	+0·5	—1·0
4. Assam	87·1	76·3	81·7	10·8	19·8	—1·4	—0·1	—1·3
5. Eastern Bengal	88·9	77·7	83·3	11·2	19·0	+1·4	+0·1	+1·3
6. Bengal	89·7	78·5	84·2	11·3	18·3	+0·7	+0·3	+0·4
7. Orissa	88·7	78·3	83·5	10·4	16·6	—0·4	+0·4	—0·8
8. Chota Nagpur	88·5	74·9	81·7	13·6	19·7	+0·2	+0·8	—0·6
9. Bihar	92·1	78·0	84·9	14·1	23·2	+2·0	—0·3	+2·3
10. United Provinces, East	93·5	76·4	85·0	17·1	26·0	+2·1	—0·5	+2·6
11. United Provinces, West	91·8	73·7	82·8	18·1	27·2	+0·9	—0·9	+1·8
12. Punjab, East and North	92·8	73·1	82·9	19·7	30·0	—2·8	—1·2	—1·6
13. Punjab, South-west	94·8	75·3	85·1	19·5	33·4	—5·7	—1·2	—4·5
14. Kashmir	70·1	47·3	58·7	22·8	38·1	—3·5	—0·8	—2·7
15. North-West Frontier Province	90·8	71·7	81·3	19·1	29·6	—7·5	—0·8	—6·7
16. Baluchistan	91·1	58·6	74·9	32·5	43·9	—1·2	—1·5	+0·3
17. Sind	94·6	75·6	85·1	18·9	31·1	—2·0	—0·7	—1·3
18. Rajputana, West	93·5	72·2	82·9	21·3	35·4	—3·9	—4·4	+0·5
19. Rajputana, East	90·4	71·5	81·0	18·8	28·7	—1·7	—2·8	+1·1
20. Gujarat	90·5	74·7	82·6	15·8	23·0	+1·2	—0·4	+1·6
21. Central India, West	87·9	68·6	78·3	19·3	31·1	+1·2	—2·0	+3·2
22. Central India, East	89·8	75·4	82·6	14·4	25·7	+0·6	+0·6	0
23 Berar	87·1	72·4	79·8	14·7	23·6	+0·2	+0·9	—0·7
24. Central Provinces, West	88·0	72·5	80·2	15·5	25·3	+0·5	—0·1	+0·6
25. Central Provinces, East	86·8	74·2	80·5	12·6	18·4	—0·7	+0·9	—1·6
26. Konkan	83·5	76·1	79·8	7·4	13·2	—0·3	+0·7	—1·0
27. Bombay (Deccan)	85·5	69·4	77·5	16·1	24·8	+0·4	+0·7	—0·3
28 Hyderabad, North	84·7	69·6	77·1	15·1	25·6	...	...	...
29. Hyderabad, South	85·4	72·6	79·0	12·8	22·5	—2·1	+0·7	—2·8
30 Mysore	83·8	66·4	75·1	17·3	23·9	+1·3	+0·6	+0·7
31. Malabar	83·4	71·4	78·9	9·0	13·4	—0·4	+0·4	—0·8
32. Madras, South-east	91·7	75·1	83·4	16·6	27·0	—0·8	+0·1	—0·9
33. Madras Deccan	89·6	73·6	81·6	16·0	27·1	—1·2	—0·3	—0·9
34. Madras Coast, North	88·6	77·6	83·1	11·0	20·6	—1·4	—0·2	—1·2

Winds.

12. The air movement was less than usual over the whole country excepting the Punjab, Mysore and Madras where it was normal; in the North-West Frontier Province it was about half the average amount and in Eastern Bengal and Assam two-thirds. In the United Provinces and the Punjab, where wind directions are usually very variable, their steadiness was above the average, while in the Central Provinces the winds were not as steady in direction as usual.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	—1·1	—13
Eastern Bengal and Assam	—1·2	—8
Bengal	—0·9	+3
United Provinces	—0·7	+9
Punjab	—0·1	+8
North-West Frontier Province	—1·1	—5
Sind	—2·7	+5
Rajputana	—1·9	+4
Bombay	—2·2	—8
Central India	—2·4	+3
Central Provinces	—1·2	—10
Hyderabad	—2·1	0
Mysore	+0·9	+4
Madras	—0·1	—2

Humidity and cloud.

13. The absolute and relative amounts of moisture in the air were approximately normal throughout India, the only exceptions occurring in the North-West Frontier Province, at Lahore, Gulbarga and Madras where they were somewhat greater than usual. The expanse of sky covered with cloud was very much less than usual in Eastern Bengal and Assam, the United Provinces, Rajputana and Central India, but in the North-West Frontier Province, the southwest Punjab and Hyderabad, regions where the rainfall was in very large excess, skies were more cloudy than usual.

Division.	Hygrometry; 8 hrs.				Cloud.	
	Mean humidity.	Departure from normal.	Mean vapour tension in inches of mercury	Departure from normal in inches of mercury	Mean cloud amount at 8 hrs.	Departure from normal.
	%		"	"		
Burma	90	+1	·894	+·011	6·7	—0·5
Eastern Bengal and Assam.	89	—1	·946	—·001	6·0	—1·5
Bengal	85	0	·928	+·008	5·3	—0·5
United Provinces	76	—4	·812	—·027	2·6	—1·5
Punjab	72	+4	·742	+·008	1·7	—0·2
North-West Frontier Province.	76	+10	·724	+·042	2·3	+1·4
Sind	76	+3	·796	+·012	2·6	+0·2
Rajputana	72	0	·710	—·040	2·0	—1·3
Bombay	82	—1	·791	—·003	5·7	—0·2
Central India	81	—1	·791	+·009	4·2	—1·0
Central Provinces	81	—2	·772	—·005	5·7	0
Hyderabad	84	+5	·751	+·023	7·0	+1·6
Mysore	81	—2	·651	—·012	7·6	—0·4
Madras	80	+3	·813	+·019	6·1	0

Rainfall.

14. At the beginning of the month the distribution of the rainfall was chiefly determined by the depression centred over Bikaner and rain due to it was falling over the Central Provinces, Central India, the United Provinces excluding the north-eastern districts, the Punjab and Kashmir with scattered rain in other parts of the country. As the depression moved northward, the rainfall diminished in its rear and increased to the north so that very heavy rain fell in the greater part of the Punjab, the North-West Frontier Province and Kashmir. With the disappearance of the depression rainfall practically ceased in upper India and the monsoon commenced its retreat southward.

The shallow depression which crossed the coast near Nellore was the cause of a good burst of rain over the peninsula and the Central Provinces from the 3rd to the 5th but after that the Arabian Sea current weakened and in the part of the country usually served by it the rainfall was very sporadic until the 14th. As the Arabian Sea current weakened the Bay monsoon strengthened and moderately heavy rain fell over northeast India including Bihar during this period, while in Burma there was also widespread rainfall.

Under the influence of a depression off the Circars coast the Arabian Sea current temporarily strengthened and on the 14th south India and the Deccan received abundant rainfall. By the middle of the month the monsoon had retreated from southwest India, the United Provinces, Central India, and the north of the Central Provinces, while the rainfall during the latter half of the month was chiefly associated with depressions from the Bay. The first of these appeared over the Bay on the 14th and the wet weather conditions initiated by it in the Deccan were continued with but little interruption until the end of the month. This was owing to the depression that crossed from the Andaman Sea to Hyderabad and after it crossed the Circars coast it gave torrential rain in south Hyderabad and local rain in other parts of the peninsula. The north Madras coast also received fairly heavy rain from this storm especially when it was in the vicinity of the coast.

The month's rainfall was chiefly associated with depressions and thus unlike the rainfall in July and August it was very irregularly distributed. Thus the southwest Punjab, the North-West Frontier Province and south Hyderabad received very heavy rainfall, while in the United Provinces, Sind, Gujarat, Central India and Malabar less than half the normal quantity of rain fell. In the rest of Madras, north Hyderabad, west Rajputana and Kashmir, the total for the month was in large excess; and in the province of Bengal, east Rajputana, the west of the Central Provinces, the Konkan and Mysore the rainfall was comparatively scanty.

Division.	Rainfall			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	Inches.	Inches.	Inches.	
Burma	9·82	11·86	—2·04	—17
Eastern Bengal and Assam	13·09	12·57	+0·52	+4
Bengal	6·75	9·32	—2·57	—28
United Provinces	2·21	6·36	—4·15	—65
Punjab	2·90	2·62	+0·28	+11
North-West Frontier Province	4·47	1·23	+3·24	+263
Sind	0	0·47	—0·47	—100
Rajputana	2·79	3·45	—0·66	—19
Bombay	4·95	7·20	—2·25	—31
Central India	2·24	6·15	—3·91	—64
Central Provinces	6·40	7·17	—0·77	—11
Hyderabad	17·01	7·46	+9·55	+128
Mysore	2·90	4·82	—1·92	—40
Madras	7·95	6·00	+1·95	+33
Mean of India when the size of the above areas is taken into account.	6·38	6·97	—0·59	—8

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Nomal.	Departure from normal.	Percentage departure.
			Inches.	Inches.	Inches.	
1. Bay Islands	19·0	20·4	12·60	15·76	—3·16	—20
2. Lower Burma	18·0	18·7	13·99	17·27	—3·28	—19
3. Upper Burma	8·8	10·1	6·35	7·37	—1·02	—14
4. Assam	15·9	13·6	14·59	12·39	+2·20	+18
5. Eastern Bengal	12·3	13·0	11·53	12·75	—1·22	—10
6. Bengal	9·5	11·5	7·23	9·77	—2·54	—26
7. Orissa	11·3	12·0	7·99	9·79	—1·80	—18
8. Chota Nagpur	9·3	10·4	6·10	8·26	—2·16	—26
9. Bihar	7·1	9·0	5·91	9·03	—3·12	—35
10. United Provinces, East.	4·1	7·3	2·95	6·79	—3·84	—57
11. United Provinces, West.	2·3	5·9	1·38	5·86	—4·48	—76
12. Punjab, East and North.	3·1	3·3	2·57	3·10	—0·53	—17
13 Punjab, Southwest	4·2	1·1	4·18	0·79	+3·39	+429
14. Kashmir	4·7	3·0	2·55	1·78	+0·77	+43
15. North-West Frontier Province.	5·6	1·8	4·47	1·23	+3·24	+263
16. Baluchistan	0·1	0·3	0·01	0·13	—0·12	—92
17. Sind	0	0·7	0	0·47	—0·47	—100
18. Rajputana, West.	1·8	2·3	3·06	2·08	+0·98	+47
19. Rajputana, East.	2·3	4·9	2·69	3·96	—1·27	—32
20. Gujarat	1·8	6·3	0·85	5·60	—4·75	—85
21. Central India, West.	3·0	7·5	1·78	5·74	—3·96	—69
22. Central India, East.	4·7	8·2	3·14	6·94	—3·80	—55
23. Berar	8·5	7·9	6·60	5·79	+0·81	+14
24. Central Provinces, West	8·2	9·5	5·72	7·96	—2·24	—28
25. Central Provinces, East.	11·5	10·3	7·14	8·40	—1·26	—15
26. Konkan	12·8	16·0	8·19	13·49	—5·30	—39
27. Bombay Deccan	9·0	8·6	6·42	5·93	+0·49	+8
28. Hyderabad, North.	13·3	10·5	15·23	8·24	+6·99	+85
29. Hyderabad, South.	13·3	10·3	18·49	6·80	+11·69	+172
30. Mysore	5·3	7·4	2·90	4·82	—1·92	—40
31. Malabar	9·3	15·2	4·52	10·91	—6·39	—59
32. Madras, Southeast.	8·2	6·3	6·59	4·72	+1·87	+40
33. Madras Deccan	12·3	7·6	8·86	5·34	+3·52	+66
34. Madras Coast, North.	12·4	9·4	10·73	6·84	+3·89	+57

Snowfall.

15. (*a*) No information is available for the mountain region to the west of upper India.

(*b*) In Kashmir snowstorms occurred on the higher mountains on several occasions. The total fall amounted to about 3 feet on the ranges near Dras.

(*c*) Snow fell on five days on the hills near Kilba down to a level of about 10,000 feet. All the well known passes were open at the end of the month.

(*d*) There were frequent falls of snow in Almora. The aggregate fall measured about 9 feet in depth on the Nuwe pass, 6¾ feet in Byans, 3 feet in Malla Johar, 2½ feet on the Binkaru pass, and about 1 foot in Malla Danpur. On the peaks round the Pindari Glacier there was no old snow below 16,000 feet. At the end of the month there was an accumulation of about 22 feet on the Nuwe pass.

Crop Report.

16. *Burma.*—The reaping of autumn crops in Upper Burma was nearly completed; and the standing crops there and in Lower Burma were in fair condition.

Eastern Bengal and Assam.—Transplanting of winter rice and harvesting of jute were in progress. Prospects in Eastern Bengal generally had improved, and with the exception of Cachar the prospects of tea were good in Assam.

Bengal.—More rain was urgently wanted in Bihar, Murshidabad, Jessore and Khulna. Autumn crops were being harvested and the prospects of sugar cane and of winter paddy were generally fair.

United Provinces.—More rain was wanted in the hills and the western districts but standing crops were generally good. Maize and early autumn crops were being harvested.

Punjab.—Autumn crops were being harvested in some districts and ploughings for spring crops were in progress. Standing crops were generally good to fair.

North-West Frontier Province.—Standing crops were on the whole in good condition and the outturn was expected to be average. Spring sowings were in progress.

Jammu and Kashmir.—The condition of the standing crops was fair.

Rajputana.—Harvesting was in progress and the estimated outturn was on the whole very fair. Standing crops were generally in good condition.

Central India.—More rain was urgently needed in Indore and Bundelkhand, and crops had been slightly damaged in parts of Malwa and Bhopawar. Spring sowings were in progress in Bundelkhand.

Central Provinces.—The condition of standing crops was generally good and prospects were favourable, but more rain was wanted in parts.

Bombay.—Standing crops were in good condition except in parts where they had been damaged by insects or were suffering from want of moisture. Harvesting was in progress and lands were being prepared for spring cultivation.

Hyderabad.—Heavy rain caused great damage especially in the neighbourhood of Hyderabad city, but the western districts were not affected and crops there were doing well.

Mysore.—The condition of the standing crops had improved but more rain was still needed.

Coorg.—The picking of cardamoms was in progress. Water and fodder for cattle was sufficient.

Madras.—Ploughing, sowing and weeding and transplanting were in progress. Rainfall had benefitted the standing crops and improved their prospects which at the end of the month were generally fair. Harvesting was being carried on with fair to normal outturn.

J. PATTERSON.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 36 stations in India, etc., in September, 1908.

Table

Abstract of observations taken at 10 hrs. and 16 hrs.

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	I.—Burma.																					
2	Rangoon . .	36	29·827	29·721	·106	29·777	—·016	29·750	86·5	76·5	10·0	91·5	73·8	17·7	83·4	83·0	79·8	+0·7	75·4	78·6	78·0	77·3
	III.—Bengal.																					
6	Calcutta . .	21	·773	·664	·109	·720	+·028	·686	89·4	78·3	11·1	93·6	74·7	18·9	85·8	84·9	83·6	+1·0	76·6	80·9	80·0	79·1
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad . .	309	·456	·341	·115	·401	+·021	·626	93·8	77·0	16·8	97·4	71·0	26·4	87·6	91·8	84·2	+1·2	74·8	78·1	77·5	76·8
11	Dehra Dun . .	2,233	27·556	27·469	·087	27·507	—·001	·673	86·8	69·2	17·6	89·2	64·6	24·6	80·8	82·3	77·0	+0·9	66·2	72·2	72·6	70·3
	V.—Punjab.																					
12	Lahore . . .	702	29·038	28·945	·093	28·983	+·011	·644	93·5	73·1	20·4	97·2	66·8	30·4	86·2	92·2	82·3	—2·5	70·8	77·2	78·3	75·4
	VIII.—Rajputana.																					
19	Jaipur . . .	1,431	28·379	·278	·101	·316	+·012	·688	94·8	71·5 (a)	23·3	100·2	67·6	32·6	88·0	93·2	81·6 (a)	—0·8	67·0 (a)	72·7	72·9	70·9
	Udaipur* . .	1,925?	27·915	27·826	·089	27·869	...	·723	88·0	68·7	19·3	94·7	64·5	30·2	83·3	85·9	77·6	...	66·5	72·7	73·2	70·8
	IX.—Bombay.																					
26	Bombay . .	37	29·832	29·736	·096	29·782	—·009	·759	85·9	77·4	8·5	90·3	75·4	14·9	81·3	83·1	80·6	+1·2	75·4	77·8	78·0	77·1
	XI.—Central Provinces.																					
24	Nagpur. . .	1,017	28·766	28·651	·115	28·713	+·015	·684	89·0	74·2	14·8	93·5	70·2	23·3	83·1	84·9	80·4	0	71·5	76·0	75·8	74·4
	XII.—Hyderabad.																					
29	Hyderabad . .	1,69[illegible]	·112	·024 (c)	·088	·075	—·010	·706 (c)	84·2	72·0	12·2	89·8	70·2	19·6	78·7	80·7	76·8	—0·6	70·0	73·2	73·7	72·3
	XIII.—Mysore.																					
30	Bangalore . .	3,021	28·895	26·769	·126	28·840	—·034	·735	83·1	66·2	16·9	87·0	63·8	23·2	75·1	81·1	72·9	+1·1	64·9	68·7	70·1	67·9
	Mysore . .	2,518	27·394	27·271	·123	27·341	—·030	·760	85·5	66·4	19·1	89·0	62·9	26·1	78·2	81·8	74·2	+0·5	65·0	68·6	71·1	68·2
	XIV.—Madras.																					
32	Periyakulam . .	944	28·914	28·786	·128	28·850	...	·721	92·8	71·6	21·2	97·9	66·0	31·9	84·8	86·4	82·2	...	67·6	72·0	72·5	70·7
	Pudukkottai . .	318	29·539	29·402	·137	29·471	...	·717	93·4	75·0	18·4	100·4	70·9	29·5	85·4	90·5	84·2	...	72·3	75·0	76·5	74·6
	Madras . . .	22	·804	·684	·120	·753	—·024	·706	90·8	76·5	14·3	98·2	73·9	24·3	84·7	86·5	82·6	—1·3	75·7	79·5	80·4	78·5
	Stations in the Bay.																					
1	Port Blair . . .	61	·823	·728	·095	·778	—·008	·760	83·1	75·8	7·3	86·0	73·0	13·0	81·3	80·6	78·4	—1·3	73·9	77·6	77·2	76·2

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.
* Observation of 28 days.
(a) Mean of 27 days.
(b) " " 27½ "
(c) " " 26 "

A.

at 36 stations in India, etc., in September, 1908.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind Direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of sub-division.
														Total number of 10 hrs. and 16 hrs. winds from																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Mean wind direction.	Normal mean wind of direction month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															I.—Burma.	
·867	·918	·896	·909	—·001	95	80	80	88	— 4	8·1	8·2	8·2	0	...	...	...	1	2	37	12	6	2	S17°W	S24°W	78	51	35*	84	10·47	1·20	Rangoon	1
																															III.—Bengal.	
·893	·989	·962	·954	+·002	92	80	81	85	— 1	6·9	8·4	7·7	−0·2	5	2	6	4	7	17	16	1	2	S1°W	S9°W	43	46	87	98	7·89	1·28	Calcutta	6
																															IV.—United Provinces of Agra and Oudh.	
·839	·836	·759	·828	—·053	89	64	52	72	— 9	4·2	6·0	5·1	−0·4	11	4	6	4	...	...	2	21	13	N56°W	N15°W	46	13	75*	142	2·38	0·88	Allahabad	10
·615	·685	·687	·682	—·030	85	65	63	76	— 6	2·6	3·7	3·2	−1·6	14	2	6	4	4	24	2	3	1	S16°E	N76°W	37	20	22	24	5·11	1·49	Dehra Dun	11
																															V.—Punjab.	
·732	·816	·784	·788	+·070	89	66	53	72	+11	1·9	1·7	1·8	−0·1	11	4	..	11	6	...	3	14	11	N58°W	N46°E	17	59	54*	50	1·46	0·81	Lahore	13
																															VIII.—Rajputana.	
·612 (a)	·622	·558	·615	—·077	78 (a)	49	37	60	— 9	2·0	4·3	3·2	−1·3	1	5	1	...	2	...	4	11	36	N54°W	N42°W	77	43	90 (b)	101	4·24	2·36	Jaipur	19
·624	·680	·671	·672	...	89	61	55	71	...	3·7	4·3	4·0	...	18	2	2	3	2	3	7	17	2	S76°W	...	32	...	51*	...	1·30	0·82	Udaipur	
																															IX.—Bombay.	
·852	·911	·901	·895	+·023	91	85	79	86	0	7·7	6·8	7·3	+0·4	...	3	...	7	6	3	2	25	14	N81°W	N84°W	42	52	176	259	6·79	1·46	Bombay	26
																															XI.—Central Provinces.	
·744	·816	·784	·801	+·012	88	72	67	80	+ 1	5·6	7·0	6·3	−1·0	5	13	21	4	1	4	3	4	5	N22°E	N52°W	43	36	77*	127	9·27	4·02	Nagpur	24
																															XII.—Hyderabad.	
·713	·747	·741	·750	—·005	91	77	72	83	+ 2	8·7	8·7	8·7	+2·1	5	3	1	5	...	...	2	26	18	N66°W	N75°W	62	53	84*	134	19·66	6·03	Hyderabad	29
																															XIII.—Mysore.	
·600	·629	·609	·625	+·002	94	73	58	78	— 2	7·6	6·7	7·2	...	...	1	1	...	...	2	13	32	11	S88°W	S84°W	80	83	172*	168	4·47	1·25	Bangalore	30
·601	·502	·632	·614	—·016	92	60	59	73	— 4	8·6	8·4	8·5	+0·3	...	1	...	1	...	2	21	28	7	S77°W	S89°W	80	68	222*	240	1·54	0·55	Mysore	
																															XIV—Madras.	
·625	·612	·616	·618	...	81	52	50	60	...	3·2	6·7	5·0	...	15	7	4	3	2	13	6	8	2	S40°W	...	17		81*	...	3·01	1·18	Periyakulam	32
·758	·730	·721	·736	...	87	60	51	66	...	6·4	7·6	7·0	...	4	4	1	...	4	4	13	14	16	W	...	5	...	171*	...	6·53	1·26	Pudukkottai	
·880	·938	·927	·936	+·088	96	79	76	86	+ 9	5·5	5·9	5·7	−0·6	4	1	...	2	7	5	13	21	7	S62°W	S36°W	42	53	86	144	9·51	1·27	Madras	
																															Stations in the Bay.	
·810	·900	·895	·875	—·030	91	84	85	89	0	6·8	9·3	9·1	+1·3	2	...	...	...	4	7	16	26	5	S65°W	S54°W	70	73	184*	228	16·07	2·29	Port Blair	1

* Corrected.

Table

Abstract of observations taken at 10 hrs. and 16 hrs.

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Kashmir.																					
14	Srinagar	5,204	24·863	24·768	·095	24·815	+·012	24·786	77·3	54·0	23·3	81·4	46·2	35·2	66·2	74·5	63·4	—0·6	51·6	62·3	68·3	60·7
	Leh	11,503	19·745	19·641	·104	19·695	+·012	19·663	64·8	41·5	23·3	71·0	32·0	39·0	55·4	62·4	51·0	—2·7	37·9	45·6	47·8	43·8
	Baluchistan.																					
16	Quetta	5,502	24·628	24·554	·074	24·583	+·024	24·543	84·6	(e) 49·1	35·5	88·7	42·4	46·3	76·2	82·4	(c) 66·8	—0·3	43·0	53·2	55·8	50·7
	Hill Stations excluding Kashmir and Baluchistan.																					
	Simla	7,224	23·127	23·074	·053	23·093	+·006	23·054	(d) 66·6	(E) 56·5	10·1	70·4	54·1	16·3	(E) 62·8	(d) 64·1	61·3	+0·4	(E) 51·3	(E) 56·4	(d) 58·0	55·2
	Sarain	...	·165	·106	·059	·129	...	...	69·9	50·3	19·6	74·1	44·1	30·0	64·5	65·8	59·7	...	..	55·6	57·4	...
	Kalabagh	...	20·178	20·138	·040	20·151	...	...	55·6	43·2	12·4	60·1	38·1	22·0	52·5	51·3	49·0	...	...	46·1	46·7	...
	Chakrata	7,022	23·307	23·259	·048	23·277	+·037	·237	72·6	56·8	15·8	76·8	53·8	23·0	65·8	65·6	64·3	+1·8	54·4	60·4	61·0	58·6
	Muktesar	7,556	22·853	22·783	·070	22·810	...	22·768	70·5	54·9	15·6	73·5	51·1	22·4	64·0	65·9	62·3	...	50·6	58·3	60·6	56·5
	Katmandu	4,388	25·600	25·499	·101	25·547	+·024†	25·501	82·8	65·3	17·5	86·8	61·4	25·4	75·8	79·4	73·7	+0·5†	64·0	69·5	71·1	68·2
	Darjeeling	7,376	23·028	22·964	·064	22·993	—·011	22·948	66·3	56·1	10·2	69·5	51·8	14·7	62·6	64·1	60·9	+1·5	55·7	61·0	62·4	59·7
	Pachmarhi	3,528	26·378	26·297	·081	26·338	0	26·285	79·0	66·9	12·1	82·9	61·6	21·3	73·4	76·0	72·6	+1·2	64·1	68·2	69·3	67·2
	Mount Abu	3,945	·020	25·950	·070	25·985	+·017	25·935	76·0	55·2	10·8	82·2	61·6	20·6	72·7	74·0	70·2	+0·6	60·1	63·7	65·1	63·0
	Chikalda	3,642	·280	26·183	·097	26·232	+·002	26·176	76·8	66·4	10·4	82·3	63·9	18·4	71·5	74·7	71·2	+1·5	64·1	68·7	70·3	67·7
	Ootacamund	7,329	23·017	22·929	·088	22·970	...	22·906	64·7	51·1	13·6	68·0	45·8	22·2	61·6	60·4	57·5	...	50·0	56·9	57·5	54·8
	Kodaikanal	7,688	22·800	·726	·074	·763	...	·699	63·2	52·9	10·3	67·5	50·4	17·1	60·5	58·7	58·1	...	49·5	56·2	56·8	54·2
	Dodabetta	8,539?	·048	21·985	·063	·014	...	21·951	59·5	50·5	9·0	62·3	47·6	14·7	56·7	56·3	54·6	...	48·1	53·6	53·9	51·9
	Extra India.																					
	Minicoy	7	29·960	29·866	·094	29·919	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Zanzibar	72	30·090	29·976	·114	30·039	+·013	30·038	82·8	73·4	9·4	85·1	72·0	13·1	78·1	81·6	77·5	+0·5	68·6	73·0	72·3	71·3
	Diego Garcia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Seychelles	15	·013	·927	·086	29·978	—·002†	29·917	81·8	77·0	4·8	83·3	73·7	9·6	80·1	80·7	78·1	+0·4†	70·9	74·7	74·6	73·4
	Mauritius	181	...	...	...	30·017	+·013	30·146	...	...	...	80·5	58·9	21·6	...	...	...	...	...	...	...	64·3

N. B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

(c) Mean of 26 days.
(d) ,, 29 ,,
(E) ,, 28 ,,
(4) ,, 27 ,,

A—*concluded.*

at 36 stations in India, etc., in September, 1908.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.									Normal mean wind direction of month.	Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of sub-division.
														Total number of 10 hrs. and 16 hrs. winds from																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Mean wind direction.		Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															Kashmir.	
·367	·523	·628	·476	—·022	85	80	73	79‡	— 1	3·4	5·1	4·3	+1·0	12	16	...	1	4	5	...	5	17	N33°W	N33°W	40	17	71*	79	1·40	0·35	Srinagar	14
·203	·227	·211	·217	+·042	75	51	37	57	+13	5·6	5·3	5·5	+1·2	...	1	1	...	1	15	19	22	1	S52°W	S66°W	73	42	56	46	1·59	0·38	Leh	
																															Baluchistan.	
(c) ·236	·169	·176	·196	—·056	(c) 67	19	17	36	— 4	0·3	0·3	0·3	—0·2	20	9	1	...	1	1	2	5	21	N43°W	N60°W	48	40	54*	53	0	0	Quetta	16
																															Hill Stations excluding Kashmir and Baluchistan.	
(A) ·390	(E) ·392	(d) ·421	·403	—·031	(A) 73	(E) 68	(d) 71	73	— 7	3·3	4·7	4·0	—1·8	18	19	1	...	2	15	...	2	3	N19°W	N8°E	10	35	90*	98	3·39	1·03	Simla	
...	·357	·391	...	...	...	59	62	...	...	3·9	4·9	4·4	...	10	4	10	5	4	13	12	1	1	S21°E	...	22	...	69*	...	3·30	0·82	Sarain	
...	·261	·284	...	...	...	66	74	...	...	5·0	6·4	5·7	...	27	3	...	...	...	22	2	...	6	S19°W	...	28	...	117*	...	3·73	1·05	Kalabagh	
·403	·472	·490	·457	—·012	86	75	78	82	— 4	3·4	5·1	4·3	—1·9	7	2	...	...	4	46	1	...	...	S3°E	S63°W	80	36	96*	144	0·83	0·43	Chakrata	
·331	·431	·479	·416	...	76	72	75	76	...	5·5	5·8	5·7	...	25	...	...	1	4	3	1	26	...	S74°W	...	40	...	92*	...	3·50	1·73	Muktesar	
·583	·646	·667	·634	+·001	93	73	68	80	— 1	4·2	4·6	4·4	—1·9	...	2	2	12	2	...	1	46	1	N36°W	N87°W	45	11	16	17	7·69	2·32	Katmandu	
·444	·522	·546	·506	+·026	98	92	91	96	0	7·7	7·9	7·8	—0·5	8	1	6	...	4	...	13	14	14	N83°W	S85°E	43	39	85*	89	15·04	4·54	Darjeeling	
·569	·635	·644	·618	—·011	86	78	73	83	— 3	3·5	4·8	4·2	—3·0	9	7	21	...	...	...	4	10	9	N9°W	N60°W	43	44	112*	149	6·20	1·87	Pachmarhi	
·465	·491	·520	·504	—·055	76	64	65	72	— 9	4·6	4·1	4·4	—1·1	1	5	1	2	1	3	31	6	10	S67°W	S66°W	57	40	157*	190	1·00	0·37	Mount Abu	
·579	·669	·686	·657	+·014	89	87	81	90	— 2	6·6	6·5	6·6	—0·8	...	7	2	...	...	...	...	...	51	N38°W	N21°W	94	62	177*	242	6·19	3·14	Chikalda	
·352	·416	·444	·396	...	93	76	84	84	...	6·9	8·7	7·8	...	6	9	7	4	1	...	3	17	13	N42°W	...	47	...	96*	...	4·94	1·37	Ootacamund	
·327	·411	·445	·394	...	81	78	90	83	...	6·7	9·2	8·0	...	...	9	4	4	3	10	1	7	22	N44°W	...	33	...	254	...	8·91	1·30	Kodaikanal	
·314	·382	·391	·362	...	85	82	86	84	...	8·8	9·1	9·0	...	1	13	2	2	1	1	1	15	24	N45°W	...	69	...	269*	...	9·67	2·75	Dodabetta	
																															Extra India.	
...	...	...	...	...	...	...	...	...	...	6·2	6·1	6·2	...	...	6	...	...	...	...	1	22	31	N59°W	...	87	...	184*	...	17·21	3·60	Minicoy	
·644	·744	669	·701	—·037	77	78	62	73	— 5	6·3	4·2	5·3	+0·5	...	1	1	1	19	21	13	4	...	S3°E	S6°E	70	62	126*	134	1·59	0·42	Zanzibar	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Diego Garcia	
·682	·791	·778	·757	—·010	73	77	74	77	— 3	6·4	6·7	6·6	+1·0	2	...	...	4	44	9	1	...	...	S40°E	S40°E	89	87	286	288	5·65	2·11	Seychelles	
...	...	...	·515	—·007	...	...	...	70	—2	...	...	5·8	+0·2	...	...	...	...	...	..	...	...	...	S77°E	S72°E	...	...	280	288	0·66	0·35	Mauritius	

† Departure from old normals.
‡ Mean of three previous columns.

* Corrected.

Table B.—Abstract of observations taken at 8 hrs. at 238 stations in India, etc., in September, 1908.

(1) Provincial means.

(2) Data of stations.

(1) Provincial means based on the material in Table B (2) except that the statement of rainfall depends on the complete data of about 2,500 stations.

	Pressure departure from normal.	Temperature of air.								Wind.		Hygrometry.				Cloud.		Rainfall.		
		Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Absolute range during month.	Departure of velocity from normal	Departure of steadiness from normal.	Mean humidity.	Departure from normal.	Mean vapour tension.	Departure from normal.	Mean cloud amount.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.
	"	°	°	°	°	°	°	°	°					"	"			"	"	"
Burma	+·001	88·0	0	75·6	+0·8	81·9	+0·4	12·5	20·2	—1·1	—13	90	+1	·894	+·011	6·7	—0·5	9·82	11·86	—2·04
Eastern Bengal and Assam	+·015	88·4	+0·6	77·3	0	82·8	+0·3	11·1	19·2	—1·2	—8	89	—1	·946	—·001	6·0	—1·5	13·09	12·57	+0·52
Bengal	+·024	90·3	+0·6	77·7	+0·3	84·0	+0·5	12·6	20·1	—0·9	+3	85	0	·928	+·008	5·3	—0·5	6·75	9·32	—2·57
United Provinces of Agra and Oudh.	+·018	92·6	+1·5	74·9	—0·7	83·8	+0·4	17·6	26·7	—0·7	+9	76	—4	·812	—·027	2·6	—1·5	2·21	6·36	—4·15
Punjab	+·021	93·3	—3·7	73·7	—1·2	83·5	—2·5	19·7	30·9	—0·1	+8	72	+4	·742	+·008	1·7	—0·2	2·90	2·62	+0·28
North-West Frontier Province	+·025	90·8	—7·5	71·7	—0·8	81·3	—4·2	19·1	29·6	—1·1	—5	76	+10	·724	+·042	2·3	+1·4	4·47	1·23	+3·24
Sind	+·022	94·6	—2·0	75·6	—0·7	85·1	—1·4	18·9	31·1	—2·7	+5	76	+3	·796	+·012	2·6	+0·2	0	0·47	—0·47
Rajputana	+·032	91·5	—2·4	71·8	—3·3	81·7	—2·9	19·8	31·2	—1·9	+4	72	0	·710	—·040	2·0	—1·3	2·79	3·45	—0·66
Bombay	—·005	87·4	+0·6	73·3	+0·2	80·4	+0·4	14·1	23·8	—2·2	—8	82	—1	·791	—·003	5·7	—0·2	4·95	7·20	—2·25
Central India	+·023	88·8	+0·9	72·0	—0·7	80·4	+0·1	16·9	28·4	—2·4	+3	81	—1	·791	+·009	4·2	—1·0	2·24	6·15	—3·91
Central Provinces	+·017	87·5	+0·2	72·9	+0·3	80·2	+0·3	14·6	23·2	—1·2	—10	81	—2	·772	—·005	5·7	0	6·40	7·17	—0·77
Hyderabad	—·024	85·1	—2·1	71·3	+0·7	78·2	—0·7	13·8	23·8	—2·1	0	84	+5	·751	+·023	7·0	+1·6	17·01	7·46	+9·55
Mysore	—·019	83·8	+1·3	66·4	+0·6	75·1	+1·0	17·3	23·9	+0·9	+4	81	—2	·651	—·012	7·6	—0·4	2·90	4·82	—1·92
Madras	—·018	89·4	—0·9	75·3	0	82·4	—0·4	14·1	23·4	—0·1	—2	80	+3	·813	+·019	6·1	0	7·95	6·00	+1·95

Table

(2) *Abstract of observations taken at 8 hrs. at 238*

Number of sub-division.	Station.	Elevation of bar. cistern above sea-level in feet.	Pressure, 8 hrs., in inches.							Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean Minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma.																						
2	Mergui . . .	56	29·842	—·007	29·829	29·918	8th	29·766	20th	·152	77·2	85·7	+1·3	74·4	+2·2	80·1	+1·8	11·3	88·9	14th	72·9	11th	16·0
	Tavoy . . .	19	29·867	—·027?	29·818	29·946	8th	29·784	20th and 26th	·162	77·7	84·3	+0·3	75·3	+1·6	79·8	+1·0	9·0	87·0	14th and 27th.	73·8	1st, 17th and 22nd.	13·2
	Moulmein . .	94	(f) 29·781	(f) +·002	(f) 29·813	29·858	9th	29·696	21st	·162	78·4	84·5	−0·3	75·1	+0·6	79·8	+0·2	9·4	89·5	20th and 27th	70·3	1st, 4th and 9th.	19·2
	Rangoon . .	36	29·817	+·011	29·790	29·891	18th	29·731	21st	·160	79·7	86·4	+0·7	76·5	+0·6	81·5	+0·7	9·9	91·6	22nd	73·9	16th and 26th.	17·7
	Bassein . . .	27?	29·832	+·006	29·796	29·894	15th	29·737	21st	·157	79·2	86·9	+1·4	76·6	+0·8	81·7	+1·1	10·3	91·7	21st and 22nd	73·9	7th, 17th and 21st.	17·8
	Diamond Island .	41	29·814	+·002	29·790	29·884	8th and 9th.	29·728	21st	·156	80·8	84·7	−0·1	77·9	+2·1	81·3	+1·0	6·8	87·4	6th and 16th	74·2	1st	13·2
	Toungoo . .	183	29·684	+·003	29·790	29·767	8th	29·603	6th	·164	79·3	88·4	−0·6	76·2	+0·6	82·3	0	12·2	92·5	20th	73·7	16th	18·8
	Kyaukpyu . .	...	29·811	...	29·770	29·881	19th	29·731	25th	·150	...	...	...	...	...	...	...	...	...	...	...	...	...
	Akyab . . .	20	29·801	+·003	29·764	29·878	19th	29·721	25th	·157	79·9	85·9	−0·7	77·9	−0·1	81·9	−0·4	8·0	89·9	22nd	75·8	10th and 14th.	14·1
3	Thyetmyo . .	121	29·702	—·008	(g) 29·765	29·756	8th	29·633	28th	·133	81·1	90·6	+0·7	76·6	+0·6	83·6	+0·7	14·0	95·0	22nd	71·9	1st and 17th.	20·1
	Minbu . . .	165	(g) 29·677	(g) +·011	(g) 29·787	29·751	18th	29·605	28th	·146	80·4	90·4	−0·5	76·9	0	83·7	−0·3	13·5	97·3	22nd	75·3	6 days	22·0
	Yamethin . .	657	29·155?	—·030?	29·767?	29·234	18th	29·079	6th	·155	78·8	90·4	−1·3	75·5	+0·7	83·0	−0·3	11·9	98·3	21st	73·0	16th	25·3
	Mandalay . .	250	29·573	—·001	29·774	29·664	3rd	29·495	6th	·169	82·3	94·7	+1·9	72·7	−4·2?	83·7	−1·2?	22·0	100·5	21st and 29th	69·9	16th and 20th.	30·6
	Monywa . . .	280	29·556	...	29·775	29·632	18th	29·478	28th	·154	81·9	93·4	...	78·7	...	86·1	...	14·7	101·8	22nd	74·1	28th	27·7
	Lashio . . .	2,751	27·069	—·007	27·015	27·152	19th	27·000	6th	·152	72·6	83·6	−1·2	68·6	+0·8	76·1	−0·2	15·0	89·3	28th	66·0	4th and 23rd.	23·3
	Bhamo . . .	381	29·438	+·002	29·777	29·533	18th	29·360	6th	·173	78·2	(e) 90·0	(e) −0·1	74·9	+0·4	(e) 83·4	+0 2	15·1	97·9	28th	73·1	15th	24·8
	Myitkyina . .	458	29·338	...	29·756	29·424	18th and 19th.	29·243	29th	·176	79·1	88·6	...	75·1	...	81·9	...	13·5	94·2	28th and 29th.	72·5	3rd	21·7
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh . .	358	29·441	...	29·756	29·506	19th	29·364	6th	·142	77·3	85·0	...	74·7	...	79·9	...	10·3	91·9	24th and 25th.	72·1	12th	19·8
	Sibsagar . .	333	29·494	+·014	29·785	29·552	19th and 22nd.	29·419	6th	·133	79·3	86·6	−1·5	76·3	+0·1	81·4	−0·7	10·3	91·6	24th and 25th.	68·2	11th	23·4
	Tezpur . . .	252	29·539	...	29·750	29·612	19th	29·474	6th	·138	79·0	88·8	...	77·1	...	83·0	...	11·7	94·1	25th	75·4	4 days	18·7
	Gauhati . . .	195	29·612	...	29·764	29·687	19th	29·529	6th	·158	80·0	89·7	...	76·6	...	83·0	...	13·1	94·0	25th, 29th and 30th	74·1	18th and 21st.	19·9
	Dhubri . . .	115	29·676	+·007	29·748	29·755	19th	29·599	6th	·165	78·2	84·1	−1·0	76·5	−0·5	80·3	−0·8	7·6	89·5	29th	74·8	5 days	14·7
	Silchar . . .	104	29·725	+·022	29·783	29·620	19th	29·651	25th	·169	79·3	88·2	−1·6	76·4	0	82·3	−0·8	11·8	95·8	24th	73·8	23rd	22·0
5	Cox's Bazar . .	36	29·774	...	...	29·849	19th	29·703	25th	·146	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chittagong . .	87	29·734	+·019	29·769	29·825	19th	29·656	25th	·169	80·6	87·4	+0·6	75·4	−0·9	81·4	−0·2	12·0	93·6	23rd	73·9	8th, 9th and 10th.	18·7
	Noakhali . .	43	29·774	...	29·764	29·859	19th	29·698	25th	·161	80·6	86·3	...	77·7	...	82·0	...	8·6	90·8	23rd and 24th.	71·9	24th	18·9
	Barisal . . .	12	29·765	+·017	29·743	29·865	19th	29·723	6th	·142	81·9	88·4	−0·1	77·4	−0·9	83·0	−0·5	11·0	93·3	24th	73·1	24th	20·2
	Comilla . . .	36	29·771	...	29·755	29·855	19th	29·695	25th	·160	81·2	89·1	...	77·5	...	83·3	...	11·6	94·3	24th	76·3	8 days	18·0
	Narayanganj . .	26	29·780	+·029	29·754	29·858	19th	29·711	6th	·147	82·3	89·1	+0·6	78·9	0	84·0	+0·3	10·2	92·5	23rd and 26th.	74·8	24th	17·7
	Faridpur . .	46	(e) 29·7 3	...	(e) 29·749	29·829	19th	29·679	6th	·150	81·2	88·5	...	78·1	...	83·3	...	10·4	92·8	24th	74·9	25th	17·9
	Sirajganj . .	49	(e) 29·739	...	(e) 29·738	29·825	19th	29·660	6th	·165	82·1	88·6	...	78·5	...	83·6	...	10·1	92·3	26th	74·8	10th	17·5
	Mymensingh . .	63	29·737	+·014	29·752	29·819	19th	29·666	10th	·153	81·7	88·7	+1·6	78·2	+0·7	83·4	+1·2	10·5	93·1	24th, 26th and 28th.	75·1	11th and 12th.	18·0
	Bogra . . .	75	29·713	+·013	29·740	29·808	19th	29·625	6th	·183	83·0	91·0	+2·6	78·2	+0·7	84·6	+1·7	12·8	94·2	24th	75·7	7th	18·5

N.B.—Elevations in italics indcate barometrical determinations.
NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.
(*f*) Mean of 28 days.
(*g*) ,, 27 ,,
(*e*) ,, 29 ,,

B—*contd.*

stations in India, &c., in September, 1908.

Wind direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th September 1908.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																I.—Burma.
3	1	4	...	19	2	...	...	1	S55°E	N76°W	...	...	...	59	+1	95	+3	·877	+·019	4·8	−2·3	25	23·40	+1·60	21·96	28·07	−6·11	119·63	139·09	+10·54	3·08	**Mergui.**
30	...	...	...	...	...	...	...	...	(a)	S64°W	*1·1	1·3	−0·2	..	...	93	0	·886	+·020	6·4	−1·1	24	24·10	−0·10	27·18	31·88	−4·70	183·20	191·93	−8·73	3·30	**Tavoy.**
25	1	...	1	1	...	2	...	...	S16°E	S12°E	2·8	3·2	−0·4	4	−33	92	0	·907	+·027	6·9	−0·3	21	21·90	−0·90	22·28	27·52	−5·24	181·77	169·89	+11·88	4·13	**Moulmein.**
4	1	3	4	...	8	6	1	3	S10°W	S50°W	3·5	3·5	0	23	−25	90	−4	·922	+·007	8·5	+1·5	20	19·70	+0·30	10·47	15·84	−5·37	95·24	85·41	+9·83	1·20	**Rangoon.**
12	1	...	4	4	4	2	1	2	S28°E	S5°W	2·4	4·0	−1·6	23	−14	93	0	·934	+·012	5·1	−1·8	21	20·80	+0·20	10·96	15·89	−4·93	94·58	98·24	−3·66	1·81	**Bassein.**
5	2	1	2	4	2	8	4	2	S40°W	S51°W	6·2	7·0	−1·7	27	−14	87	+1	·926	+·035	7·0	−0·4	15	18·90	−3·90	11·38	17·33	−5·95	117·58	100·18	+17·40	3·51	**Diamond Island.**
9	1	1	3	11	5	...	...	...	S46°E	S32°E	3·1	3·1	0	49	−6	94	+3	·943	+·029?	9·3	+1·1	17	17·50	−0·50	12·83	11·56	+1·27	82·63	68·56	+14·07	3·14	**Toungoo.**
4	...	3	5	13	3	..	2	...	S54°E	...	2·0	...	...	57	...	...	...	...	...	4·9	...	20	...	...	19·20	...	...	166·22	...	...	5·38	**Kyaukpyu.**
6	4	7	8	2	1	1	1	...	N65°E	N87°E	2·3	3·0	−0·7	46	−9	95	+3	·968	+·009	7·7	−0·1	21	13·80	+7·20	16·68	22·18	−5·50	160·66	173·47	−12·81	2·28	**Akyab.**
...	..	..	...	4	15	11	...	...	S11°W	S20°W	*6·0	5·1	+0·9	89	+11	85	+1	·902	+·026	7·2	−0·3	11	11·70	−0·70	7·93	6·07	+1·86	35·13	29·84	+5·29	2·30	**Thayetmyo.**
1	...	...	1	15	7	2	...	3	S25°E (c)	S42°E	3·5	8·2	−4·7	62	−5	85	0	·882	+·001	6·5	+0·9	10	9·30	+0·70	10·04	5·46	+4·58	35·18	25·45	+9·73	2·35	**Minbu.**
9	...	...	...	10	11	.	...	...	S21°E	S30°E	3·4	5·5	−2·1	66	−1	88	+1	·861	−·003	8·0	+4·0?	13	10·30	+2·70	6·99	6·65	+0·34	27·13	28·19	−1·06	1·44	**Yamethin.**
27	..	...	...	1	1	1	...	...	S	S3°W	3·5	4·7	−1·2	8	−47	80	−3	·865	−·028	3·7	−2·6	4	8·80	−4·80	2·37	5·62	−3·25	17·19	24·00	−6·81	0·77	**Mandalay.**
12	3	2	...	8	4	...	...	1	S54°E	...	2·5	...	...	27	...	85	...	·927	...	7·3	..	6	8·80	−2·80	3·28	6·31	−3·03	16·65	22·34	−5·69	1·01	**Monywa.**
...	...	...	...	...	...	.	...	...	...	...	...	...	...	...	...	92	0	·734	+·002	7·2	−0·8	15	...	...	6·72	6·92	−0·20	41·98	51·30	−9·32	1·10	**Lashio.**
28	...	1	...	...	.	1	...	...	(a)	N72°W	0·9	2·0	−1·1	...	...	93	+3	·897	+·018	6·6	0	17	11·50	+5·50	12·84	9·31	+3·53	68·94	65·05	+3·89	2·30	**Bhamo.**
9	...	7	9	3	...	1	1	...	N82°E	...	*1·7	...	...	46	...	88	...	·876	...	7·3	...	12	...	...	7·57	...	...	55·74	...	...	1·14	**Myitkyina.**
																																II.—Eastern Bengal and Assam.
29	...	1	...	...	...	...	...	...	N45°E	...	...	...	...	3	...	94	...	·871	...	9·3	...	19	14·90	+4·10	17·72	14·91	+2·81	96·34	88·79	+7·55	2·53	**Dibrugarh.**
12	...	11	1	1	1	3	...	1	N55°E	S79°E	1·4	2·4	−1·0	27	+16	88	−7	·890	−·041	7·5	−1·2	16	14·50	+1·50	12·32	11·95	+0·37	64·47	71·82	−7·35	2·70	**Sibsagar.**
26	...	3	1	...	...	...	...	...	N56°E	...	1·8	...	...	10	...	92	...	·914	...	7·6	...	12	12·50	−0·50	7·71	8·58	−0·87	50·23	57·04	−6·81	1·44	**Tezpur.**
27	1	...	...	.	...	1	1	...	N79°W	...	1·0	...	...	6	...	91	...	·941	...	7·6	...	10	10·00	0	5·39	7·49	−2·10	46·19	49·86	−3·67	1·12	**Gauhati.**
17	...	4	8	1	...	...	...	...	N80°E	N82°E	4·8	4·3	+0·5	40	+18	94	+2	·923	+·012	3·8	−3·7	16	11·90	+4·10	31·78	14·61	+17·17	88·53	81·99	+6·54	6·75	**Dhubri.**
26	...	...	1	1	...	1	1	...	S	N77°E	1·7	2·2	−0·5	3	0	92	+1	·931	+·007	5·8	−2·9	17	15·30	+1·70	14·93	13·95	+0·98	88·63	91·87	−3·24	3·71	**Silchar.**
...	1	3	13	10	1	1	1	..	S75°E	...	(c) *4·2	...	...	69	...	...	...	...	...	4·9	...	13	...	...	15·33	...	...	106·72	...	...	4·32	**Cox's Bazar.**
14	1	...	1	4	7	2	...	1	S11°E	S60°E	2·4	4·4	−2·0	33	−30	89	+1	·931	+·004	6·3	−1·0	17	13·06	+3·94	12·54	11·08	+1·46	73·24	79·95	−6·71	2·74	**Chittagong.**
8	...	1	3	11	4	2	1	...	S30°E	...	2·4	...	...	47	...	89	...	·930	...	5·4	...	16	15·48	+0·52	13·10	15·54	−2·44	82·80	94·92	−12·12	2·96	**Noakhali.**
8	...	4	1	4	8	5	...	...	S15°E	S27°E	2·0	2·8	−0·8	40	+14	89	+1	·965	−·012	3·5	−3·7	9	14·35	−5·35	8·49	10·74	−2·25	57·84	62·26	−4·42	3·19	**Barisal.**
17	...	...	...	8	5	...	...	...	S20°E	...	1·5	...	...	43	...	90	...	·966	...	4·3	...	15	13·28	+1·72	8·99	11·11	−2·12	74·60	72·88	+1·72	1·33	**Comilla.**
9	...	...	1	4	5	10	1	...	S16°W	S18°E	2·5	5·2	−2·7	53	+5	88	0	·979	+·008	7·0	−0·8	14	11·83	+2·17	5·73	8·57	−2·84	55·35	54·97	+0·38	1·30	**Narayanganj.**
5	1	1	1	5	15	2	..	...	S13°E	...	2·2	...	...	63	...	89	...	1·005	...	6·6	...	12	11·78	+0·22	6·65	9·09	−2·44	54·82	54·69	+0·13	1·89	**Faridpur.**
13	...	...	1	5	5	5	1	...	S	...	2·2	...	...	40	...	90	...	·991	...	6·7	...	8	11·61	−3·61	7·76	9·08	−1·32	40·84	50·76	−9·92	1·86	**Sirajganj.**
15	1	...	1	4	5	3	1	...	S4°E	S63°E	1·7	2·7	−1·0	30	−20	90	−1	·968	+·001	7·0	−0·1	21	15·03	+5·97	22·67	12·88	+9·84	68·07	72·80	−4·73	5·02	**Mymensingh.**
28	...	...	1	...	1	...	...	...	S45°E	S49°E	1·4	3·0	−1·6	3	−53	84	−5	·953	−·009	6·5	−0·5	10	12·10	−2·10	5·90	12·11	−6·21	38·54	57·31	−18·77	1·41	**Begra.**

(a) Indeterminate.
* Uncorrected.
(c) Mean of 29 days.

Table

(2) *Abstract of observations taken at 8 hrs. at 238*

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	II.—Eastern Bengal and Assam—*contd.*																						
	Rampur Boalia	70	(f) 29·710	...	(f) 29·729	29·797	19th	29·627	6th	·170	83·6	90·0	...	79·4	...	84·7	...	10·6	94·1	18th and 24th.	75·6	8th and 26th.	18·5
	Malda	72	29·689	...	29·713	29·769	19th	29·598	6th	·171	82·6	90·2	...	78·4	...	84·3	...	11·8	94·3	18th	74·5	8th	19·8
	Dinajpur	123	29·643	+·002	29·721	29·737	19th	29·555	5th and 6th.	·182	81·2	90·0	+1·8	77·5	+0·1	83·8	+1·0	12·5	94·8	17th	74·0	27th	20·8
	Rangpur	123	29·668	...	29·747	29·757	19th	29·573	6th	·184	81·2	89·0	...	77·3	...	83·2	...	11·7	92·6	5 days	73·0	21st	19·6
	Jalpaiguri	234	29·505	+·012	29·747	29·591	19th	29·433	6th	·158	79·8	89·8	+2·6	76·4	+1·1	83·1	+1·9	13·4	95·4	25th	73·9	5th and 8th.	21·5
	Cooch Behar	156	29·637	...	29·749	29·718	19th	29·549	6th	·169	79·7	87·4	...	75·4	...	81·9	...	11·0	92·8	25th	73·1	6th	19·7
	III.—Bengal.																						
6	Saugor Island	25	29·750	+·028	29·719	29·824	15th	29·688	1st	·136	83·2	89·4	+1·2	80·6	+0·9	85·0	+1·1	8·8	93·5	24th	77·5	25th	16·0
	Midnapore	149	29·624	...	29·720	29·695	15th	29·559	6th	·136	82·4	90·0	...	78·0	...	84·0	...	12·0	93·3	24th	75·2	25th	18·1
	Calcutta	21	29·764	+·030	29·731	29·841	15th	29·712	1st	·129	82·5	89·4	+1·8	78·5	+0·5	83·9	+1·2	10·9	93·6	24th	74·7	7th	18·9
	Jessore	33	29·766	+·033	29·746	29·839	15th	29·709	6th	·139	83·3	88·8	—0·6	77·8	—0·7	83·3	−0·7	11·0	94·5	24th	74·7	25th	19·8
	Krishnagar	47	(e) 29·733	...	(e) 29·726	29·817	19th	29·657	6th	·160	81·7	90·6	...	79·0	...	84·8	...	11·6	94·6	24th	76·5	6th, 7th and 25th.	18·1
	Burdwan	99	29·683	+·021	29·730	29·753	15th	29·611	6th	·142	82·4	89·9	+0·2	79·1	+0·2	84·5	+0·2	10·8	93·9	24th	74·3	8th	19·6
	Bankura	313	29·447	...	29·710	29·521	15th	29·372	6th	·149	82·0	89·9	...	78·2	...	84·1	...	11·7	93·1	24th	75·2	11th and 26th.	17·9
	Raniganj	334	29·442	...	29·731	29·516	15th	29·358	6th	·158	80·5	90·4	...	77·9	...	84·2	...	12·5	93·5	17th	74·0	26th	19·5
	Berhampore	67	29·715	+·022	29·732	29·796	19th	29·633	6th	·163	82·3	89·6	+0·7	79·1	+0·6	84·4	+0·7	10·5	93·1	18th	76·2	7th and 8th.	16·4
	Naya Dumka	489	(f) 29·278	...	(f) 29·725	29·344	15th	29·109	6th	·145	82·0	89·9	...	77·0	...	83·5	...	12·9	92·9	24th	75·0	8th, 21st and 27th.	17·9
7	Balasore	50	29·731	+·032	29·726	29·803	15th	29·667	1st	·136	82·2	88·5	−0·4	78·6	+0·8	83·6	+0·2	9·9	92·4	24th	73·8	5th	18·7
	False Point	21	29·770	+·044	29·733	29·853	15th	29·704	1st	·149	83·3	87·4	—0·5	78·4	+0·3	82·9	—0·1	9·0	89·6	24th and 25th.	75·6	18th and 19th.	14·0
	Cuttack	80	29·685	+·024	29·709	29·766	15th	29·622	1st	·144	81·8	89·6	—0·6	78·2	+0·1	83·9	—0·3	11·4	93·4	17th	75·7	19th	17·7
	Puri	24	29·758	...	29·721	29·841	15th	29·689	26th	·152	83·4	88·5	...	80·3	...	84·4	...	8·2	92·6	24th	77·6	19th	15·0
	Angul	455	29·316	...	29·731	29·399	15th	29·259	1st	·140	80·6	88·8	...	76·8	...	82·8	...	12·0	91·1	4 days	75·0	4th, 18th and 27th.	16·1
	Sambalpur	486	29·293	+·019	29·728	29·372	15th	29·225	28th	·147	82·0	89·1	—0·2	77·5	+0·2	83·4	0	11·6	92·1	17th, 24th and 26th.	74·1	25th	18·1
8	Chaibassa	733	29·030	+·026	29·718	29·101	15th	28·955	6th	·146	79·1	89·6	−0·3	76·5	+0·4	83·0	+0·1	13·1	92·3	7th	72·7	25th	19·7
	Banchi	2,128	27·663	+·034	29·740	27·730	15th	27·593	6th	·137	76·4	85·0	+0·6	73·0	+1·3	79·0	+1·0	12·0	87·2	21st and 23rd.	70·9	21st	16·1
	Purulia	*816*	(f) 28·948	...	(f) 29·717	29·020	15th and 19th.	28·893	5th	·127	78·3	91·0	...	76·0	...	83·5	...	15·0	97·0	24th	73·1	21st and 26th.	23·0
	Hazaribagh	1,993	27·773	+·026	29·726	27·845	19th	27·698	6th	·147	78·0	85·1	+0·4	73·0	+0·3	79·0	+0·6	12·1	88·2	23rd	70·8	11th and 12th.	17·4
	Daltonganj	730	29·049	...	29·731	29·120	15th	28·960	1st	·160	80·3	91·9	...	75·9	...	84·0	...	16·0	95·0	21st and 23rd.	73·5	18th	21·4
9	Purnea	122	29·645	+·013	29·723	29·739	19th	29·553	6th	·186	79·7	90·2	+1·3	77·2	−0·2	83·7	+0·6	13·0	93·5	25th and 26th.	71·2	8th	22·3
	Bhagalpur	160	29·607	...	29·719	29·689	19th	29·512	6th	·177	84·4	93·2	...	78·0	...	85·6	...	15·2	97·2	17th, 18th and 24th.	74·8	8th	22·4
	Monghyr	155	29·604	...	29·711	29·685	19th	29·517	6th	·168	83·5	91·4	...	78·2	...	84·8	...	13·2	95·9	24th and 25th.	71·9	8th and 30th.	24·0
	Darbhanga	165	29·601	+·015	29·723	29·677	19th	29·506	6th	·171	81·8	92·3	+4·0	77·4	−1·4	84·9	+1·3	14·9	97·6	25th	73·3	30th	24·3
	Pusa	188	29·570	...	29·713	29·650	19th	29·477	5th	·173	82·6	93·4	...	77·0	...	85·2	...	16·4	98·9	18th	73·2	7th and 8th.	25·7
	Muzaffarpur	178	29·589	...	29·722	29·671	19th	29·495	6th	·186	82·3	91·2	...	77·5	...	84·3	...	13·7	95·7	26th	73·0	7th	22·7

N.B.—Elevations in italics indicate barometrical determinations.
Norm.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.
(e) Mean of 29 days.
(f) „ 28 „

B—continued.

stations in India, &c., in September, 1908—continued.

Wind direction. Number of winds from: Calm	N	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th September 1908.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																II.—Eastern Bengal and Assam— *contd.*
18	...	...	...	...	5	7	.	...	S27°W	...	2·6	...	...	37	...	85	...	·981	...	5·0	...	6	12·36	—6·36	4·81	10·38	—5·54	29·98	48·61	—18·63	2·18	Rampur Boalia.
1	..	4	3	5	8	7	1	1	S13°E	...	*3·9	...	...	43	...	80	...	·907	...	2·0	...	11	11·45	—0·45	7·22	10·86	—3·64	31·64	45·94	—14·30	2·49	Malda.
6	.	2	9	4	4	3	1	1	S54°E	S76°E	2·2	3·6	—1·4	37	−15	91	+1	·971	+·028	6·1	−0·7	12	12·56	—0·56	10·83	14·00	—3·17	37·84	64·01	—26·17	2·50	Dinajpur.
7	.	4	4	5	6	3	3	..	S29°E	...	1·5	...	...	33	...	88	...	·950	...	3·7	...	14	13·55	+0·45	15·73	14·16	+1·57	49·51	73·51	—24·00	5·63	Rangpur.
14	...	6	5	5	...	...	...	...	N87°E	N73°E	1·2	...	...	43	−17	87 (c)	−4	·897 (c)	—·006	7·1	+0·1	16	14·75	+1·25	22·45	20·03	+2·42	81·91	113·18	—31·27	3·48	Jalpaiguri.
19	..	2	7	1	...	...	1	..	S83°E	...	1·3	...	...	27	...	90	...	·915	...	7·2	...	18	14·34	+3·66	35·03	21·82	+13·21	122·02	115·23	+6·79	5·40	Cooch Behar.
																																III—Bengal.
..	2	3	4	3	7	9	2	...	S1°W	S2°W	11·5	11·0	+0·5	38	+9	87	−1	·990	+·006	7·1	−1·1	10	13·29	−3·29	5·24	11·30	−6·06	45·66	58·04	—12·38	1·35	Saugor Island.
3	4	5	.	2	15	1	...	...	S22°E	...	2·5	...	...	37	...	85	...	·928	...	4·2	..	12	12·13	−0·13	6·50	9·39	−2·89	55·85	50·66	+5·19	0·99	Midnapore.
2	1	1	4	5	3	11	...	3	S9°W	S13°E	*3·7	4·1	−0·4	33	0	88	+1	·998	+·041	7·0	+0·3	14	13·38	+0·62	7·89	8·91	−1·02	77·72	50·59	+27·13	1·28	Calcutta.
20	...	...	1	6	3	...	...	..	S36°E	S32°E	0·9	3·2	−2·3	30	−7	85	−5	·936	—·015	6·5	−0·6	8	11·94	−3·94	2·78	8·28	−5·50	47·71	51·35	—3·64	0·50	Jessore.
7	...	..	2	5	10	4	1	1	S21°W	...	1·5	...	...	57	...	91	...	·988	...	6·0	...	7	10·45	−3·45	3·51	7·97	−4·46	49·56	45·01	+4·55	1·25	Krishnagar.
10	..	1	2	2	6	6	3	...	S16°W	S18°E	2·1	3·0	−0·9	37	+15	88	+3	·973	+·023	7·4	+0·4	8	12·10	−4·10	7·21	8·59	−1·38	62·82	48·59	+14·23	3·06	Burdwan.
22	...	...	1	...	4	...	3	..	S27°E	...	1·4	...	...	17	...	85	...	·916	...	4·7	...	11	12·53	−1·53	7·87	8·77	−0·90	51·69	47·51	+4·18	1·28	Bankura.
26	...	...	...	3	..	...	1		S45°E	...	1·1	...	...	3	...	92	...	·971	...	5·9	...	7	11·61	−4·61	7·07	7·60	+0·07	44·14	48·46	—4·32	2·40	Raniganj.
5	1	..	4	2	10	7	1	..	S2°W	S19°E	3·6	3·7	−0·1	51	+13	88	−2	·972	—·004	7·1	−0·3	9	12·48	−3·48	11·18	9·72	+1·46	49·10	46·89	+2·21	6·08	Berhampore.
26	...	..	...	1	1	2	...	...	S18°W	...	(w) 2·5	...	...	10	..	83	...	·903	...	4·6	...	10	13·30	−3·30	5·37	10·01	−4·64	45·04	51·12	—6·08	1·29	Naya Dumka.
5	1	4	1	1	...	12	3	3	S71°W	S59°W	2·3	3·5	−1·2	30	+8	87	−1	·943	—·031	5·9	−1·1	7	13·87	−6·87	2·36	12·08	−9·72	37·75	52·39	—14·64	0·61	Balasore.
2	2	3	1	1	5	11	3	2	S46°W	S58°W	7·2	8·5	−1·3	37	0	84	−1	·950	—·001	7·5	+0·4	11	12·00	−1·90	9·09	11·11	−2·02	49·27	50·21	—0·94	2·70	False Point.
11	1	4	4	1	1	4	3	1	E	S81°W	*2·2	2·4	−0·2	3	−27	85	+3	·910	+·046	4·0	−2·0	13	13·00	0	10·04	9·97	+0·07	64·69	49·69	+15·00	2·69	Cuttack.
6	2	5	...	...	7	7	1	2	S39°W	...	10·6	...	...	23	...	84	...	·908	...	5·4	...	9	12·18	−3·18	9·36	10·07	−0·71	50·20	43·04	+7·16	2·04	Puri.
2	7	2	4	4	1	...	3	7	N2°E	...	4·4	...	...	30	...	87	...	·909	...	4·6	...	11	...	...	7·95	...	...	44·23	...	...	2·00	Angul.
...	...	...	5	4	9	11	1	..	S3°W	S	4·3	3·9	+0·4	66	+44	81	−1	·930	+·012	5·6	−0·4	11	11·80	−0·80	7·45	8·76	−1·31	77·25	62·18	+15·07	2·72	Sambalpur.
5	...	1	3	2	2	10	6	1	S44°W	S53°W	2·2	1·4	+0·8	43	+20	90	+5	·891	+·005	5·6	−0·2	13	12·00	+1·00	7·64	7·36	+0·28	47·65	44·32	+3·33	1·66	Chaibassa.
3	3	1	1	3	2	6	5	6	S88°W	S79°W	4·5	6·9	−2·4	32	+10	85	+2	·774	+·024	6·2	+0·5	12	13·66	—1·66	8·63	9·01	−0·38	52·07	48·53	+4·44	2·80	Ranchi.
8	2	4	2	2	4	3	4	1	S27°W	...	2·1	...	...	7	...	94	...	·915	...	6·1	...	10	11·61	—1·61	8·15	8·14	+0·01	49·96	45·66	+4·30	2·25	Purulia.
2	2	...	4	1	6	5	5	5	S57°W	S27°W	5·3	7·4	−2·1	27	+1	79	−5	·749	—·010	6·6	−0·1	7	11·97	—4·97	3·40	8·88	−5·48	41·54	47·33	—5·79	0·92	Hazaribagh.
28	...	...	1	...	1	...	...	...	S45°E	...	3·3	...	...	3	...	84	...	·872	...	4·7	...	6	10·48	—4·48	2·55	7·54	—4·99	29·06	39·30	—10·24	0·99	Daltonganj.
25	...	...	5	...	...	...	...	...	E	N88°E	1·5	3·0	−1·5	17	−21	95	+5	·961	+·007	6·2	+0·2	5	11·40	—6·40	5·42	14·82	—9·40	24·27	58·57	—34·30	2·51	Purnea.
13	...	1	2	2	4	4	4	...	S23°W	...	1·8	...	...	27	...	79	...	·971	...	4·4	...	8	9·39	−1·39	3·65	8·48	—4·83	15·20	43·03	—27·83	0·98	Bhagalpur.
3	...	1	10	7	...	2	4	3	S63°E	...	(e) 4·9	...	...	30	...	84	...	·971	...	5·5	...	9	...	...	6·71	...	...	20·78	...	...	2·26	Monghyr.
11	...	2	11	2	...	1	3	...	S86°E	S76°E	1·9	3·8	−1·9	33	−17	88	+2	·960	+·019	5·3	+0·2	3	9·27	—1·27	10·92	8·70	+2·22	31·01	45·38	—14·37	3·83	Darbhanga.
17	...	...	12	1	...	...	...	...	S86°E	...	...	...	...	43	...	85	...	·951	...	4·4	...	8	...	...	4·97	...	...	18·46	...	...	1·93	Pusa.
6	...	2	5	9	...	2	3	3	S56°E	...	*2·9	...	...	27	...	84	...	·914	...	3·1	...	7	8·94	—1·94	4·62	6·17	—3·55	19·88	40·36	—20·48	1·90	Muzaffarpur.

(c) Mean of 29 days.
(w) ,, 11 ,,
* Uncorrected.

Table

(2) *Abstract of observations taken at 8 hrs. at*

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Motihari . .	224	(e) 29·533	...	(e) 29·717	29·623	19th	29·427	6th	·196	80·6	91·8	...	76·9	...	84·4	...	14·9	96·4	26th	72·8	30th	23·6
	Chapra . . .	181	(f) 29·569	...	(f) 29·705	29·647	19th	29·485	1st	·162	82·8	92·0	...	(s) 78·6	...	(s) 84·2	...	13·4	97·2	24th and 25th.	73·9	7th	23·3
	Patna . . .	183	29·571	+·008	29·707	29·654	19th	29·475	5th	·179	83·8	90·8	+0·9	79·0	−0·1	84·9	+0·4	11·8	95·0	25th and 26th.	74·2	30th	20·8
	Arrah . . .	190	29·570	...	29·713	29·640	19th	29·478	5th	·162	83·0	91·9	...	77·9	...	84·9	...	14·0	96·4	24th	73·7	9th	22·7
	Buxar . . .	239	29·507	...	29·703	29·588	19th	29·413	6th	·175	82·4	92·6	...	78·3	...	85·5	...	14·3	98·5	22nd and 24th.	73·1	7th	25·4
	Dehri . . .	351	29·395	...	29·699	29·466	15th and 19th.	29·300	6th	·166	84·4	93·5	...	79·2	...	86·4	...	14·3	99·3	22nd, 23rd and 24th.	76·0	26th and 30th.	23·3
	Gaya . . .	375	29·376	+·015	29·704	29·447	19th	29·298	6th	·149	83·6	92·8	+1·8	78·2	+0·4	85·5	+1·1	14·6	97·4	24th	75·2	30th	22·2
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur . .	257	29·491	+·014	29·704	29·576	19th	29·389	6th	·187	83·3	92·2	+1·7	76·6	—1·1	84·5	+0·3	15·6	96·6	25th	74·0	5th	22·6
	Benares . . .	267	29·487	+·023	29·709	29·563	19th	29·398	6th	·165	82·7	93·8	+2·8	77·0	—0·4	85·4	+1·2	16·8	98·6	26th	72·1	24th	26·5
	Allahabad . .	309	29·447	+·025	29·710	29·533	19th	29·345	1st	·188	82·9	93·8	+2·3	77·0	+0·1	85·4	+1·2	16·8	97·6	26th	71·0	24th	26·6
	Cawnpore . .	416	29·333	+·023	29·709	29·422	19th	29·229	1st	·193	82·3	93·8	+1·4	75·3	—1·3	84·6	+0·1	18·5	96·9	18th and 27th.	69·0	24th	27·6
	Lucknow . .	368	29·384	+·022	29·712	29·468	19th	29·284	6th	·184	81·2	93·4	+1·3	75·7	—0·8	84·6	+0·3	17·7	97·0	20th	70·1	24th and 25th.	26·9
	Bahraich . .	401	29·336	+·010	29·697	29·426	19th	29·226	6th	·200	82·7	93·9	+2·9	76·6	+0·4	85·3	+1·7	17·3	98·6	26th	73·0	23rd	25·6
11	Jhansi . . .	835	28·957	+·044?	29·753	29·043	19th	28·796	1st	·247	82·7	91·8	+0·1	76·7	+0·9	84·4	+0·5	15·1	96·5	26th, 27th and 28th.	74·0	13th	22·5
	Agra . . .	556	29·203 Y	+·024 Y	29·721 Y	29·291	19th	29·056	1st	·235	81·3	94·0	+0·9	76·0	—0·7	85·0	+0·1	18·0	98·0	26th	72·5	23rd and 28th.	25·5
	Mainpuri . .	516	29·236	—·023	29·713	29·297	23rd	29·188	29th	·109	81·4	94·0	+0·9	74·5	—1·3	84·3	—0·2	19·5	99·3	28th	68·1	26th	31·2
	Bareilly . .	568	29·167	+·016	29·701	29·250	19th	29·057	6th	·193	81·1	92·7	+2·2	75·0	—0·8	83·9	+0·7	17·7	95·8	26th and 27th.	70·0	26th	25·8
	Meerut . .	738	28·998	+·015	29·704	29·089	19th	28·899	6th	·199	79·2	92·0	+0·2	72·6	—2·0	82·3	—0·9	19·4	95·6	27th	65·8	28th	29·8
	Roorkee . .	899	28·845	+·017	29·719	28·929	19th	28·723	6th	·206	77·1	91·2	—0·1	71·5	—1·8	81·4	—1·0	19·7	94·5	27th	63·4	28th	31·1
	Dehra Dun . .	2,233	27·544	+·013	29·730	27·626	19th	27·423	6th	·203	74·6	86·7	+2·4	69·4	—0·6	78·0	+0·9	17·3	89·0	27th, 28th and 29th.	64·5	27th	24·5
	V.—Punjab.																						
12	Delhi . . .	718	29·038	+·033	29·721	29·125	19th	28·924	1st	·201	81·4	93·3	+0·3	77·0	0	85·2	+0·2	16·3	98·7	27th	73·2	30th	25·5
	Sirsa . . .	662	29·077	+·022	29·706	29·189	19th	28·930	1st	·259	81·8	96·3	—2·6	73·5	—2·2	84·9	−2·4	22·8	101·3	25th and 26th.	65·6	26th	35·7
	Patiala . . .	*818*	28·932	...	29·718	29·020	22nd and 23rd.	28·821	6th	·199	81·5	93·4	...	73·2 (e)	... (e)	83·3 (e)	...	20·2	96·2	29th	66·9	28th	29·3
	Ambala . . .	892	28·846	+·019	29·709	28·935	19th	28·730	6th	·205	79·1	93·3	+0·1	71·6	—2·3	82·7	—1·1	22·2	97·0	27th	64·0	24th and 27th.	33·0
	Ludhiana . .	812	28·926	+·018	29·710	29·025	19th	28·798	6th	·227	80·0	93·8	—1·1	74·9	+0·1	84·4	—0·5	18·9	97·0	19th	70·0	26th and 28th.	27·0
	Lahore . . .	702	29·017	+·012	29·693	29·128	19th	28·872	5th	·256	79·3	93·0	—5·9	73·1	+0·5	83·0	—2·7	19·9	97·4	29th	66·7	26th	30·7
	Sialkot . . .	830	28·906	+·026	29·715	29·012	19th	28·760	5th	·252	77·6	90·4	—5·3	72·1 N	—1·7 N	81·2 N	—3·5	18·3	98·2	30th	66·6	22nd	31·6
	Rawalpindi . .	1,674	28·086	+·018	29·747	28·180	19th	27·923	5th	·257	75·0	88·2	—5·4	60·0	—2·6	78·2	—4·0	19·2	91·9	24th and 25th.	64·6	17th	27·3
13	Khushab . .	612	29·130	+·042?	29·715	29·245	19th	28·978	5th	·267	81·6	93·5	—6·1	75·4	—0·4	84·5	—3·3	18·1	99·9	28th	61·4	18th	38·5
	Montgomery . .	558	29·157	+·015	29·682	29·284	19th	29·015	30th	·269	83·1	94·7	—7·0	74·6	—1·5	84·7	—4·3	20·1	100·9	29th	70·1	30th	30·8
	Multan . .	420	29·299	+·026	29·684	29·417	19th	29·153	30th	·264	81·7	96·2	—4·1	75·9	—1·7	86·1	—2·9	20·3	100·8	24th and 29th.	70·0	24th	30·8
	VI.—North-West Frontier Province.																						
15	Peshawar . .	1,110	28·650	+·018	29·754	28·751	19th	28·493	5th	·258	76·1	89·6	—6·4	69·9	—0·2	79·8	—3·3	19·7	95·2	1st	63·9	30th	31·3
	Dera Ismail Khan .	590	29·151	+·031	29·696	29·260	19th	29·026	7th	·234	79·4	92·0	—8·5	73·5	—1·4	82·8	—5·0	18·5	96·9	23rd and 24th.	69·1	28th	27·8

N. B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

(e) Mean of 15 days.
(f) Mean of 28 days.
N „ „ 17 „
(s) „ „ 29 „
Y „ „ 10 „

B—*contd.*

238 stations in India, etc., in September, 1908.

Wind direction.										Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.								Heaviest rainfall during month.	Station.
Number of winds from																													
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Mean velocity, miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th September 1908.	Normal rainfall for period 1st May to 30th September.	Departure from normal of period, 1st May to 30th September 1908.		
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47.	48	49	50	51	52	53	54	55	56	57
4	1	5	9	2	2	1	4	2	N76°E	...	2·8	...	...	27	...	89	...	·936	...	4·6	...	7	8·07	—1·97	6·15	9·62	—3·47	19·31	45·89	—26·58	2·86	Motihari.
3	...	8	7	3	3	4	2	...	S79°E	...	2·6	...	...	33	...	85	...	·956	...	3·5	...	7	8·35	—1·35	6·05	7·22	—1·17	17·33	35·99	—18·66	2·29	Chapra.
1	...	4	6	8	2	6	1	2	S46°E	S74°E	4·0	3·9	+0·1	37	+7	82	—1	·950	+·020	3·9	—2·2	5	9·29	—4·29	3·97	6·93	—2·96	23·21	42·64	—19·43	1·16	Patna.
11	1	7	1	3	1	3	3	...	S72°E	...	1·5	...	...	10	...	85	...	·966	...	3·6	...	7	9·29	—2·29	4·12	8·23	—4·11	26·83	40·50	—13·67	1·36	Arrah.
2	...	1	10	2	2	6	6	1	S9°E	...	4·1	...	...	20	...	83	...	·904	...	4·6	...	7	9·03	—2·03	3·57	6·93	—3·36	30·65	36·26	—5·61	1·07	Buxar.
3	...	1	4	4	...	8	7	3	S49°W	...	4·3	...	...	30	...	73	...	·804	...	5·1	...	4	8·94	—4·94	2·01	6·46	—4·45	18·75	38·37	—19·62	0·84	Dehri.
10	1	2	2	3	...	1	11	...	S86°W	S37°W	2·4	3·8	—1·4	21	—12		—4	·885	—·001	3·9	—1·9	5	9·13	—4·13	2·98	6·98	—4·00	18·86	42·24	—23·38	0·60	Gaya.
																																IV.—United Provinces of Agra and Oudh.
21	...	5	...	1	...	...	...	...	N56°E	N63°E	*1·0	2·0	—1·0	17	—9	78	—6	·890	—·015	4·0	—0·5	7	8·60	—1·60	5·88	8·08	—2·20	26·32	45·50	—19·18	1·75	Gorakhpur.
12	...	...	4	1	2	5	6	...	S38°W	S31°W	2·1	3·8	—1·7	27	+16	80	—1	·889	—·020	4·1	—1·1	3	8·40	—5·40	2·54	6·03	—3·49	24·82	36·40	—11·58	1·75	Benares.
4	...	2	5	1	...	1	15	2	N82°W	N63°W	3·1	5·9	—2·8	33	+18	75	—5	·863	—·036	4·3	—1·2	4	7·40	—3·40	2·38	5·16	—2·78	32·53	36·05	—3·52	0·88	Allahabad.
11	...	1	3	1	...	2	12	...	S81°W	S45°W	2·3	3·6	—1·3	30	+22	76	—1	·838	—·037	1·3	—2·7	4	6·70	—2·70	3·90	5·14	—1·24	33·01	32·46	+0·55	3·03	Cawnpore.
24	...	...	1	2	...	...	1	2	(*a*)	S83°E	0·7	2·8	—2·1	...	...	79	—2	·853	—·024	2·6	—2·3	5	8·10	—3·10	3·38	5·39	—2·01	34·91	35·47	—0·56	2·02	Lucknow.
13	...	...	3	4	2	...	3	5	S30°W	S63°E	1·9	3·2	—1·3	5	—38	78	—4	·876	—·029	3·7	—0·3	6	7·40	—1·10	4·23	6·58	—2·35	23·39	43·72	—20·33	1·28	Bahraich.
6	...	...	...	...	...	6	9	9	N84°W	N1°E	4·6	3·3	+1·3	66	+31	67	—8	·742	—·060	2·0	—1·0	3	6·80	—3·80	3·30	5·89	—2·59	45·06	36·09	+8·97	2·43	Jhansi.
2	...	8	1	2	1	2	1	13	N18°W	S59°W	4·4	4·5	—0·1	40	+18	74	0	·798	—·009	3·2	—0·3	2	4·80	—2·80	0·69	4·23	—3·54	33·36	26·43	+6·93	0·35	Agra.
1	4	1	4	2	.	2	7	9	N46°W	S86°W	2·6	1·5	+1·1	40	+21	74	—4	·787	—·046	3·0	—1·2	2	6·70	—4·70	1·37	3·74	—2·37	24·32	27·78	—3·46	1·21	Mainpuri.
22	...	...	1	...	...	...	7	...	W	S56°E	1·8	2·3	—0·5	20	—6	77	—5	·824	—·022	2·2	—1·6	4	6·73	—2·73	1·57	7·01	—5·44	38·86	43·63	—4·77	0·70	Bareilly.
17	...	1	1	...	.	2	8	1	W	S56°W	0·9	1·8	—0·9	28	+21	75	—1	·758	—·011	0·6	—2·4	2	5·00	—3·00	1·73	5·30	—3·57	34·61	28·04	+6·57	1·03	Meerut.
15	...	1	...	9	..	1	..	4	S15°E	S58°E	2·3	1·9	+0·4	20	+5	83	+2	·769	—·016	1·0	—2·6	3	5·70	—2·70	0·51	6·04	—5·53	33·19	37·87	—4·68	0·19	Roorkee.
30	...	...	...	...	...	...	...	...	(*a*)	S5°W	*1·0	1·0	0	...	...	78	—5	·673	—·024	2·1	—2·7	7	10·20	—3·20	5·11	9·74	—4·63	67·49	80·05	—13·46	1·48	Dehra Dun.
																																V.—Punjab.
4	...	1	3	...	1	...	10	2	N86°W	S85°W	4·1	3·5	+0·6	56	+27	69	0	·729	—·016	1·1	—2·1	2	4·10	—2·10	0·62	3·61	—2·99	38·03	24·74	+13·29	0·41	Delhi.
8	1	...	2	...	1	6	12	...	S73°W	S59°W	3·5	4·9	—1·4	40	+27	67	+3	·723	0	1·6	—0·5	1	3·20	—2·20	0·16	1·74	—1·58	21·81	12·25	+9·56	0·16	Sirsa.
...	2	1	5	5	2	1	7	7	N72°W	..	5·7	...	...	10	...	72	...	·782	...	1·1	...	3	...	...	0·69	...	...	17·27	...	...	0·33	Patiala.
8	...	...	...	11	...	...	2	9	S25°W	S39°W	3·6	1·5	+2·1	3	—26	76	—6	·766	—·036	1·6	—1·1	0	3·90	—3·90	0·02	4·24	—4·22	17·67	26·94	—9·27	0·02	Ambala.
16	1	1	...	6	.	2	2	2	S2°E	S20°E	1·3	1·4	—0·1	8	—4	73	—2	·753	—·001	1·5	—1·6	2	3·40	—1·40	0·39	3·61	—3·22	22·07	22·86	—0·79	0·20	Ludhiana.
14	...	...	3	5	5	...	1	2	S30°E	S34°E	2·1	2·1	0	30	+15	80	+13	·813	+·079	1·7	+0·3	4	2·30	+1·70	1·46	1·99	—0·53	30·46	16·16	+14·30	0·81	Lahore.
2	3	11	9	3	.	1	..	1	N64°E	N73°E	1·5	1·8	—0·3	62	+21	79	+9	·759	+·019	2·4	+0·2	5	3·30	+1·70	9·31	2·83	+6·48	39·36	24·64	+14·72	4·62	Sialkot.
10	13	3	...	...	...	...	2	2	N4°W	N56°E	2·0	1·5	+0·5	60	+45	75	+3	·660	—·005	3·1	+1·2	9	4·20	+4·80	6·07	3·23	+2·84	43·44	23·94	+19·50	2·09	Rawalpindi.
3	1	12	8	1	1	2	2	...	N64°E	N65°E	5·6	5·4	+0·2	49	—7	67	+7	·725	+·046	1·7	+0·6	7	1·60	+5·40	6·98	0·54	+6·44	21·53	10·29	+11·24	2·70	Khushab.
4	...	2	4	3	16	6	1	...	S8°E	S4°W	5·8	6·9	—1·1	53	+9	61	+2	·680	—·022	1·3	+0·1	4	1·30	+2·70	3·17	0·87	+2·30	25·54	7·75	+17·79	1·78	Montgomery.
19	2	3	...	5	..	1	...	...	S89°E	S5°W	1·2	2·6	—1·4	18	—23	71	+6	·768	+·019	1·4	+0·8	3	0·70	+2·30	3·36	0·32	+3·04	8·73	5·67	+3·06	3·12	Multan.
																																VI.—North-West Frontier Province.
24	2	1	...	...	1	...	1	1	N23°W	N34°W	0·9	2·8	—1·9	7	—23	73	+10	·667	+·034	2·7	+1·6	5	1·40	+3·60	4·73	0·52	+4·21	8·85	5·59	+3·26	1·85	Peshawar.
15	3	10	...	1	...	...	...	1	N35°E	N67°E	1·6	1·8	—0·2	43	+13	78	+10	·780	+·049	1·8	+1·2	5	1·00	+4·00	6·25	0·28	+5·97	13·54	5·28	+8·26	2·00	Dera Ismail Khan.

* Uncorrected.

(*a*) Indeterminate.

TABLE

(2) *Abstract of observations taken at 8 hrs., at 238*

Number of sub-division	Station	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean Maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	X.—Central India.—concld.																						
	Indore . . .	1,823	28·015?	+·042?	29·799?	28·088	19th	27·895	1st	·193	76·6	86·9	+1·5	68·4	—1·7	77·7	—0·1	18·5	93·1	5 days	63·1	30th	30·0
22	Nowgong . .	754	29·012	+·024	29·728	29·103	19th	28·871	30th	·232	79·4	89·7	—0·7	74·4	—0·6	82·1	—0·7	15·3	92·5	27th	68·5	24th and 25th.	24·0
	Sutna . . .	1,040	28·715	+·020	29·718	28·797	19th	28·617	1st	·180	80·7	89·8	+1·8	76·3	+1·7	83·1	+1·8	13·5	94·5	11th	67·2	8th	27·3
	XI.—Central Provinces.																						
23	Buldana . .	2,132	27·706	...	29·790	27·768	19th	27·631	1st	·137	74·5	83·6	...	70·7	...	77·1	...	12·9	88·6	27th and 29th.	66·8	1st	21·8
	Akola . . .	930	28·866	—·004	29·754	28·938	19th	28·781	28th	·157	79·0	90·0	+0·9	(e) 73·3	+0·6	(e) 81·7	+0·8	16·7	95·2	28th	69·6	25th	25·6
	Amraoti . .	1,215	(p) 28·575	(p) +·026	(p) 29·750	28·614	9th	28·507	5th	·107	77·9	87·8	—0·6	73·2	+1·1	80·5	+0·3	14·6	93·3	27th	69·8	1st	23·5
24	Khandwa . .	1,044	28·763	+·014	29·775	28·837	19th	28·680	5th	·157	76·5	89·5	+1·4	72·4	—0·8	81·0	+0·3	17·1	96·2	27th, 28th and 29th.	68·6	27th	27·6
	Hoshangabad .	1,006	28·793	+·017	29·766	28·879	19th	28·696	1st	·183	78·2	88·6	+0·5	72·2	—1·1	80·4	—0·3	16·4	98·1	23rd	67·1	26th	30·7
	Saugor . . .	1,807	27·990	+·028	29·751	28·080	19th	27·875	1st	·205	78·4	87·4	+0·8	72·4	+0·9	79·9	+0·9	15·0	92·1	27th	70·5	6 days	21·6
	Jubbulpore . .	1,327	28·456	+·030	29·748	28·541	19th	28·379	1st	·162	77·6	87·5	+0·1	73·2	+0·4	80·4	+0·3	14·3	91·0	27th	68·3	23rd, 24th and 25th.	22·7
	Seoni . . .	2,033	27·774	+·030	29·759	27·852	19th	27·691	28th	·161	76·0	85·9	+0·3	70·4	—0·2	78·2	+0·1	15·5	90·8	27th	64·9	25th	25·9
	Nagpur . . .	1,017	28·760	+·009	29·738	28·838	19th	28·676	28th	·162	78·9	88·9	—0·4	74·2	+0·4	81·5	0	14·7	93·6	27th	70·1	1st	23·5
25	Pendra . . .	2,123?	27·755	...	29·733	27·829	19th	27·679	1st	·150	76·8	84·4	...	71·5	...	78·0	...	12·9	87·3	23rd	69·2	24th	18·1
	Raipur . . .	970	28·808	+·027	29·733	28·881	18th	28·717	28th	·164	79·0	87·4	—0·8	75·9	+1·1	81·6	+0·2	11·5	90·2	24th	72·6	8th and 13th.	17·6
	Chanda . . .	*634*	(e) 29·140	—·007	(e) 29·723	29·217	19th	29·046	27th	·171	79·5	88·5	—0·6	75·2	+0·7	81·9	+0·1	13·3	92·0	22nd	72·5	1st and 10th.	19·5
	XII.—Hyderabad.																						
28	Aurangabad . .	1,905	29·940	...	29·801	28·004	19th	27·878	1st	·126	75·8	86·2	...	69·6	...	78·0	...	16·6	93·2	30th	64·7	6th	28·5
	Nizamabad . .	1,260	28·546	...	29·765	28·618	19th	28·415	28th	·203	77·1	86·0	...	73·3	...	79·6	...	12·7	90·9	4th and 20th.	67·7	30th	23·2
	Bidar . . .	*2,165*	27·664	...	29·781	27·720	19th	27·570	27th	·150	73·9	81·9	...	65·8	...	73·8	...	16·1	87·4	1st	62·3	29th	25·1
29	Gulbarga . .	1,503	28·319	—·025	29·784	28·377	9th	28·229	27th	·148	74·7	85·4	—2·1	72·0	+1·1	78·8	—0·5	13·4	93·5	2nd	68·8	9th	24·7
	Raichur . .	*1,811*	28·503	—·032	29·775	28·579	18th	28·419	28th	·160	75·2	85·8	—1·9	71·9	—0·3	78·9	—1·1	13·9	95·6	2nd	69·1	9th and 28th	26·5
	Hyderabad (Deccan).	1,690	28·124	—·016	29·772	28·185	9th	27·993	28th	·192	75·1	84·4	—2·3	72·1	+1·3	78·3	—0·5	12·3	89·8	18th	70·2	14th, 25th and 28th.	19·6
	Hanumkonda .	871	(e) 28·908	...	(e) 29·729	28·976	18th	28·759	27th	·217	78·2	85·8	...	74·2	...	80·0	...	11·6	90·5	19th	71·2	6th and 25th.	19·3
	XIII.—Mysore.																						
30	Chitaldroog . .	2,405	27·475	—·020	29·830	27·539	18th	27·411	28th	·128	71·5	84·4	+0·9	68·4	+0·9	76·4	+0·9	16·0	89·1	9th and 17th.	66·9	4 days	22·2
	Hassan . .	3,149	26·787	—·009	29·857	26·848	18th	26·729	28th	·119	70·1	82·0	+2·2	64·6	+0·5	73·3	+1·4	17·4	85·4	29th	61·6	18th	23·8
	Bangalore . .	3,021	26·891	—·028	29·839	26·949	19th	26·829	27th	·120	70·1	83·1	+1·2	66·2	+0·9	74·7	+1·1	16·9	87·3	1st	63·8	30th	23·5
	Mysore . .	2,518	27·397	—·019	29·859	27·460	19th	27·340	27th	·120	72·3	85·5	+1·0	66·5	+0·1	76·0	+0·6	19·0	89·0	30th	63·0	30th	26·0

N. B.—Elevations in italics indicate barometrical determinations.

Note.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

(e) Mean of 29 days.

(p) Mean of 18 days.

B—*continued.*

stations in India, etc., in September, 1908—contd.

Wind direction. Number of winds from: Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th September 1908.	Normal rainfall for period 1st May to 30th September.	Departure from normal of period 1st May to 30th September 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																X.—Central India—*contd.*
10	4	2	...	...	...	1	6	7	N47°W	N60°W	3·0	4·1	−1·1	46	−6	76 (g)	−10	·709 (g)	—·039	4·5	−1·8	2	8·80	−6·80	0·58	7·68	−7·10	24·28	31·18	−6·90	0·20	Indore.
6	...	1	1	...	2	6	11	3	S77°W	N89°W	1·5	2·3	−0·8	53	+14	89	+8	·902	+·081	3·9	−1·0	4	7·00	−3·00	5·98	5·24	+0·74	45·50	41·43	+4·07	4·50	Nowgong.
8	...	...	3	1	...	9	9	...	S59°W	N69°W	2·0	6·1	−4·1	43	+5	83	+3	·867	+·050	6·6	+0·7	7	8·70	−1·70	3·68	6·10	−2·42	46·01	40·55	+5·46	1·55	Sutna.
																																XI.—Central Provinces.
...	1	1	2	..	..	...	13	13	N61°W	...	5·9	8·1	−2·2	73	...	80	...	·682	...	6·6	...	6	...	...	3·70	8·09	−4·39	32·98	31·46	+1·52	1·68	Buldana.
...	..	1	1	1	...	...	10	17	N59°W	N69°W	5·4	6·5	−1·1	76	+2	76	−5	·756	—·005	7·0	+1·2	6	8·40	−2·40	5·68	6·52	−0·84	33·44	29·00	+4·44	2·31	Akola.
...	2	7	4	1	1	5	6	4	N32°W	S88°W	4·4	5·3	−0·9	20	−39	81	−4	·779	+·001	5·8	−0·2	7	7·30	−0·30	4·35	6·26	−1·91	28·74	30·03	−1·29	0·85	Amraoti.
9	2	1	...	...		.	6	12	N51°W	N79°W	5·5	6·4	−0·9	56	−22	79	−3	·734	—·022	4·3	−0·9	4	7·70	−3·70	2·76	6·58	−3·82	18·61	28·68	−10·07	1·14	Khandwa.
23	...	...	...	...	...	2	4	1	S83°W	S51°W	1·5	2·6	−1·1	20	−28	82	−5	·801	—·013	4·6	−1·5	8	10·50	−2·50	2·84	9·66	−6·82	36·88	48·49	−11·61	0·46	Hoshangabad.
2	2	2	2	1	2	7	9	3	S80°W	S80°W	4·6	4·4	+0·2	40	−4	75	−8	·715	—·048	5·8	+0·3	6	9·70	−3·70	2·40	7·31	−4·91	44·30	44·84	−0·54	0·74	Saugor.
10	1	3	...	2	4	5	3	2	S45°W	S66°W	1·8	3·0	−1·2	20	−13	83	−1	·793	—·005	4·7	—0·8	5	9·80	—4·80	3·89	7·90	—4·01	57·92	54·58	+3·34	1·15	Jubbulpore.
3	7	11	1	...	3	2	1	2	N22°E	N53°W	2·0	3·9	—1·9	43	+13	83	—1	·734	—·034	6·3	+1·8	12	11·90	+0·10	11·23	9·51	+1·72	49·89	49·72	+0·17	2·89	Seoni.
4	13	6	...	1	2	...	4	..	N3°E	N72°W	3·3	5·3	—3·0	49	+16	80	0	·785	—·007	5·9	—0·5	13	10·30	+2·70	9·27	9·04	+0·23	48·04	44·00	+4·04	4·02	Nagpur.
2	9	2	2	2	4	2	1	6	N14°W	...	3·8	...	...	27	...	82	...	·754	...	3·6	...	9	...	...	5·94	...	...	62·35	...	...	3·10	Pendra.
9	1	3	4	1	1	6	4	1	S45°W	S63°W	4·7	5·9	—1·2	10	−24	86	+2	·858	+·020	5·8	—0·7	13	10·60	+2·40	4·65	7·39	—2·74	46·19	46·12	+0·07	0·77	Raipur.
6	3	3	1	2	3	1	5	6	N52°W	N79°W	3·5	4·0	—0·5	23	—1	87	+7	·875	+·065	7·7	+1·6	15	11·30	+3·70	11·81	9·48	+2·33	59·11	49·88	+9·23	2·36	Chanda.
																																XII.—Hyderabad.
3	5	2	...	1	...	1	11	7	N55°W	...	(e) 9·9	...	...	59	...	78	...	·691	...	5·5	...	7	9·60	—2·60	5·68	6·76	—1·08	18·54	24·23	—5·69	2·27	Aurangabad.
8	1	...	...	...	...	8	2	7	N89°W	...	3·4	...	...	40	...	88	...	·816	...	5·1	...	14	10·50	+3·70	19·94	9·50	+10·44	50·23	36·32	+13·91	6·50	Nizamabad.
12	4	...	...	...	...	6	5	3	N80°W	...	5·8	...	...	37	...	86	...	·724	...	6·3	...	15	11·90	+3·10	20·07	9·21	+10·86	34·22	33·14	+1·08	6·46	Bidar.
1	5	...	1	...	1	2	9	11	N59°W	N54°W	7·7	10·8	—3·1	64	+6	90	+10	·773	+·062	7·9	+1·1	16	11·20	+4·80	11·48	9·33	+2·15	29·29	26·26	+3·03	2·74	Gulbarga.
2	1	...	...	...	...	7	7	13	N76°W	S89°W	7·7	9·7	−2·0	69	0	83	+3	·729	+·004	7·6	+0·9	18	9·30	+8·20	15·36	8·44	+6·92	23·46	24·33	−0·87	3·12	Raichur.
8	...	1	...	...	...	...	18	3	N82°W	N83°W	4·3	5·6	−1·3	62	−5	85	+2	·736	+·002	9·2	+2·7	14	...	...	19·66	6·04	+13·62	36·93	25·74	+11·19	6·03	Hyderabad (Deccan).
10	2	1	...	2	3	1	2	9	N60°W	...	(f) 5·7	...	...	27	...	81	...	·790	...	7·7	..	19	10·30	+8·70	26·50	...	...	51·21	...	...	12·00	Hanumkonda.
																																XIII.—Mysore.
...	.	...	...	...	.	9	15	6	S85°W	S80°W	7·6	8·8	—1·2	86	0	80	—2	·618	—·025	6·9	—1·2	6	6·90	—0·90	3·00	4·71	—1·71	14·02	17·72	—3·70	0·80	Chitaldroog.
3	1	...	...	...	...	4	12	11	N78°W	N79°W	8·7	3·5	+5·2	77	+1	81	−1	·594	—·011	7·1	—1·1	0	7·40	—7·40	0·12	4·68	—4·56	13 90	22·08	—8·18	0·05	Hassan.
...	...	..	...	...	...	6	18	6	W	S82°W	7·2	7·0	+0·2	88	+7	85	−1	·633	+·001	8·2	+0·3	8	9·60	—1·60	4·47	6·23	—1·76	18·45	22·92	—4·47	1·25	Bangalore.
1	1	...	...	...	.	15	10	3	S72°W	S74°W	9·4	10·0	—0·6	79	+8	79	—4	·759	+·124?	8·0	+0·5	4	7·70	—3·70	1·54	5·60	—4·06	17·91	18·03	—0·12	0·55	Mysore.

(e) Mean of 29 days.
(f) „ „ 28 „
(g) „ „ 27 „

Table

(2) *Abstract of observations taken at 8 hrs., at 238 stations*

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs. in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XIV.—Madras.																						
31	Mangalore	65	29·832	−·034	29·830	29·899	19th	29·764	28th	·135	78·4	83·2	−0·1	74·2	+0·1	78·7	0	9·0	85·7	30th	71·9	25th	13·8
	Calicut	27	29·870	−·037	29·827	29·943	19th	29·812	2nd	·131	77·1	83·3	−1·0	74·1	−0·3	78·7	−0·7	9·2	86·3	20th	72·1	18th, 25th and 26th.	14·2
	Cochin	9	29·914	−·018	29·851	29·976	18th and 19th.	29·863	2nd	·113	78·1	85·0	+0·4	75·0	+0·5	80·0	+0·5	10·0	86·7	4 days	72·7	10th	14·0
	Trivandrum	198	29·715	−·015	29·845	29·798	19th	29·653	2nd	·145	77·3	82·2	−0·7	74·3	+1·2	78·3	+0·3	7·9	84·0	18th and 21st.	72·5	29th	11·5
32	Tinnevelly	168	29·700	−·017	29·797	29·768	19th	29·650	2nd	·118	84·9	96·4	−1·4	78·0	−0·6	87·2	−1·0	18·4	99·3	1st, 2nd and 3rd.	74·9	3rd	24·4
	Pamban	37	(c) 29·803	−·044	(c) 29·768	29·863	10th and 19th.	29·755	3rd	·108	81·7	88·1	−0·9	78·5	+0·2	83·3	−0·4	9·6	91·2	4th	73·0	10th	18·2
	Madura	447	29·417	−·004	29·801	29·491	19th	29·362	28th	·120	81·0	93·2	−2·1	74·2	−1·1	83·7	−1·6	19·0	99·4	1st	68·1	7th	31·3
	Periyakulam	944	28·918	...	29·804	28·992	19th	28·863	27th	·129	79·0	86·5	...	71·6	...	79·1	...	14·9	92·2	5th	66·0	25th	26·2
	Pudukkottai	318	29·538	..	29·789	29·609	19th	29·479	26th	·130	80·4	93·4	...	74·9*	...	84·2	...	18·5	100·4	2nd	70·9	10th	29·5
	Negapatam	31	29·810	−·030	29·770	29·892	19th	29·749	27th	·143	81·6	93·2	+0·7	76·2	−0·3	84·7	+0·2	17·0	99·4	1st	73·0	11th	26·4
	Trichinopoly	255	29·600	−·021	29·788	29·676	19th	29·544	26th	·132	80·7	93·9	−1·6	75·2	−0·5	84·6	−1·1	18·7	101·6	1 s	69·3	17th	32·3
	Coimbatore	1,348	28·520	−·021	29·825	28·593	19th	28·460	27th	·133	78·8	89·5	−0·1	71·0	+0·3	80·3	+0·1	18·5	93·9	30th	69·3	30th	24·6
	Salem	940	28·947	−·021	29·832	29·009	10th	28·881	27th	·128	78·8	91·4	+0·1	74·0	+2·1	82·7	+1·1	17·4	99·0	2nd	70·4	10th	28·6
	Cuddalore	37	29·799	−·020	29·766	29·887	19th	29·718	27th	·169	81·3	92·7	+0·8	76·7	+1·0	84·7	+0·9	16·0	100·6	27th	73·7	3rd	26·9
	Vellore	707	29·130	...	29·781	29·202	19th	29·042	27th	·160	73·9	91·3	...	(c) 74·5	...	(c) 83·0	...	16·8	101·2	1st	70·0	18th	31·2
	Madras	22	29·806	−·021	29·758	29·879	19th	29·699	27th	·180	80·6	90·9	−2·5	76·5	−0·5	83·7	−1·5	14·4	98·0	3rd	74·0	5 days	24·0
33	Cuddapah	433	29·401	−·022	29·776	29·478	18th	29·295	27th	·183	79·0	91·7	−0·8	74·9	−0·9	83·3	−0·9	16·8	101·7	2nd	72·6	6 days	29·1
	Bellary	1,475	28·366	−·019	29·798	28·433	18th	28·286	28th	·147	75·7	89·4	−1·2	72·5	−0·2	80·9	−0·7	16·9	97·0	3rd	68·3	28th	28·7
	Kurnool	923	28·888	−·032	29·764	28·970	18th	28·775	28th	·195	76·4	87·7	−1·5	73·4	+0·3	80·6	−0·6	14·3	94·2	3rd	70·6	12th	23·6
34	Nellore	52	29·738	−·023	29·733	29·826	18th	29·623	27th	·203	81·8	93·4	−1·2	76·7	−1·0	85·1	−1·1	16·7	102·3	3rd	70·6	7th and 10th.	31·7
	Masulipatam	15	29·787	+·001	29·737	29·878	18th	29·624	26th	·254	81·5	88·4	−2·3	77·4	0	82·8	−1·2	11·0	94·3	2nd, 12th and 18th.	74·6	25th and 26th.	19·7
	Cocanada	26	29·754	−·008	29·716	29·838	15th	29·578	25h	·260	81·2	87·9	−1·3	77·9	−0·2	82·9	−0·8	10·0	95·7	13th	75·0	19th and 26th.	20·7
	Waltair (Vizagapatam).	226	29·553	+·013	29·721	29·639	15th	29·406	25th	·233	81·0	85·9	...	77·4	...	81·7	...	8·5	89·1	17th	74·4	3rd	14·7
	Calingapatam	19	(c) 29·768	...	(c) 29·727	29·863	15th	29·653	25th	·210	...	...	...	..	...	...	...	...	...	...	...	...	...
	Gopalpur	72	29·705	+026	29·719	29·785	15th	29·642	25th, 27th & 28th.	·143	81·3	87·5	−0·8	78·8	+0·5	83·2	−0·2	8·7	91·2	24th	75·0	18th	16·2
	Stations in the Bay.																						
1	P. V. Fraser	8	(c) 29·827?	...	(c) 29·750?	29·947	9th	29·753	1st	·194	83·5	...	...	...	...	...	...	...	...	...	...	...	...
	Car Nicobar	25	29·872	...	29·825	29·957	19th	29·822	1st and 23rd.	·134	80·4	84·9	...	76·2	...	80·5	...	8·7	87·7	9th	73·2	2nd	14·5
	Port Blair	61	29·812	−·010	29·800	29·875	15th	29·734	25th	·141	79·2	83·2	−1·9	75·8	−0·7	79·5	−1·3	7·4	86·2	10th	73·0	1st and 2nd.	13·2
	Slipper Island	90	29·748	...	29·772	29·824	8th	29·641	22nd	·183	80·3	84·4	...	77·0	...	80·7	...	7·4	87·1	16th and 30th.	73·1	8th	14·0

N.B.—Elevations in italics indicate barometrical determinations.
NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

(c) Mean of 29 days.
* Uncorrected.

B—*contd.*

in India, etc., in September, 1908—contd.

Wind Direction. Number of winds from Calm	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th September 1908.	Normal rainfall for period 1st May to 30th September.	Departure from normal of period 1st May to 30th September 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																XIV.—Madras.
10	3	3	8	4	...	...	...	2	N72°E	N52°E	4·0*	2·2	+1·8	43	+32	88	−2	·853	+·008	6·6	−1·0	12	16·90	−4·90	6·15	10·32	−4·17	144·70	111·49	+33·21	1·65	Mangalore.
13	4	1	2	...	...	1	1	8	N26°W	N30°W	4·9	7·1	−2·2	37	+4	91	+3	·841	+·009	6·8	+0·5	10	12·20	−2·20	5·12	6·13	−1·01	95·01	94·37	+0·64	1·04	Calicut.
6	4	2	5	1	2	1	5	4	N17°W	N5°E	6·4*	5·1	+1·3	17	−24	86	0	·839	−·006	7·8	+1·8	18	14·29	+3·80	7·37	8·08	−1·61	85·25	85·04	+0·21	2·24	Cochin.
...	7	1	...	...	...	...	2	20	N35°W	N16°W	7·3*	8·1	−0·8	86	+5	87	+3	·825	+·022	8·1	+1·3	11	7·10	+3·90	8·05	3·63	+4·42	32·89	36·14	−3·25	2·17	Trivandrum.
9	1	...	1	...	...	4	6	9	N72°W	N74°W	5·0	7·5	−2·5	49	−26	60	0	·720	+·003	4·5	−0·9	2	2·00	0	3·66	1·30	+2·36	5·39	3·98	+1·41	3·15	Tinnevelly.
1	...	...	2	1	6	11	6	3	S46°W	S42°W	10·9	9·7	+1·2	59	+7	83	...	·892	...	4·4	...	3	2·20	+0·80	3·74	1·31	+2·43	5·11	2·90	+2·15	2·00	Pamban.
6	3	1	1	...	...	...	8	11	N51°W	N29°W	5·4	2·9	+2·5	56	−22	71	+3	·741	+·004	6·6	+1·4	11	6·10	+4·00	12·41	4·99	+7·32	20·62	14·64	+5·98	2·98	Madura.
27	...	...	1	...	1	1	...	...	S16°E	...	3·4	...	...	60	...	65	...	·642	...	3·7	...	5	4·50	+0·50	3·01	2·57	+0·41	7·51	8·92	−1·41	1·18	Periyakulam.
7	5	...	...	1	...	1	8	8	N57°W	...	7·2	...	...	53	...	73	...	·753	...	7·2	...	10	...	...	6·53	...	...	15·50	...	...	1·26	Pudukkottai.
1	...	...	...	...	...	...	3	21	S89°W	S72°W	6·2	5·5	+0·7	92	+18	74	−1	·799	−·021	4·8	−0·9	5	5·60	−0·60	4·32	3·45	+0·87	12·83	12·10	+0·73	2·66	Negapatam.
1	...	...	...	...	...	...	11	17	S74°W	N87°W	4·7*	6·4	−1·7	86	+16	73	+1	·762	+·012	5·8	−0·2	10	5·90	+4·10	12·09	3·01	+8·18	18·98	14·01	+4·97	2·35	Trichinopoly.
2	...	...	...	...	...	2	26	...	...	S42°W	S33°W	7·3	5·5	+1·8	89	+15	78	−6	·704	−·044	4·7	−0·6	2	3·20	−1·20	1·06	1·32	−0·26	3·83	7·60	−3·77	0·50	Coimbatore.
...	...	...	...	1	1	4	7	16	1	S66°W	S43°W	4·7	3·4	+1·3	72	+12	81	+1	·800	+·029	7·2	+1·3	8	8·70	−0·70	10·27	6·55	+3·72	24·63	25·48	−0·85	3·75	Salem.
8	...	...	...	...	3	10	8	1	S60°W	S84°W	4·3	2·6	+1·7	59	−11	80	−2	·842	−·038?	6·0	0	5	6·60	−1·60	3·04	6·21	−3·17	13·51	17·35	−3·84	1·26	Cuddalore.
14	...	2	2	8	...	1	...	3	S63°E	...	3·0	...	...	23	...	81	...	·794	...	5·0	...	16	8·60	+7·40	13·47	6·14	+7·33	21·58	20·67	+0·91	2·77	Vellore.
8	...	...	...	...	1	8	7	6	...	S37°W	S68°W	3·7*	6·0	−2·3	56	−14	88	+10	·919	+·077	6·3	−0·4	15	10·70	+4·30	9·51	5·01	+4·50	16·40	17·48	−1·08	1·27	Madras.
...	...	2	...	1	...	...	12	15	N61°W	N84°W	...	...	...	72	−6	83	+9	·814	+·092	7·4	+0·2	15	8·30	+6·70	12·53	5·93	+6·60	17·39	20·95	−3·56	3·33	Cuddapah.
1	...	...	...	...	...	3	17	9	N81°W	N79°W	6·5	9·2	−2·7	82	+4	74	+4	·652	0	6·6	−0·8	12	6·90	+5·10	9·31	4·62	+4·69	13·76	12·38	+0·38	2·01	Bellary.
1	...	...	...	...	...	15	5	8	S77°W	N88°W	7·7*	...	...	72	+24	85	+7	·771	+·037	6·6	−0·3	16	9·20	+6·80	12·41	6·60	+5·81	25·84	21·80	+4·04	2·60	Kurnool.
...	1	...	...	2	1	7	10	9	W	N68°W	5·7*	6·7	−1·0	66	+7	79	+3	·843	−·006	6·5	−0·7	11	5·60	+5·40	7·22	4·35	+2·87	13·57	12·81	+0·76	3·00	Nellore.
7	...	...	1	...	3	7	7	5	S73°W	N68°W	5·8	5·8	0	49	−10	88	+4	·944	+·037	6·9	−0·1	14	9·40	+4·60	7·34	5·89	+1·45	19·91	24·53	−4·62	1·55	Masulipatam.
8	2	2	1	3	...	8	4	2	S67°W	N87°W	5·0	6·4	−1·4	23	−42	89	+9	·944	+·084	7·3	−0·1	12	9·00	+3·00	13·58	5·89	+7·69	25·08	22·92	+2·16	3·71	Cocanada.
3	1	6	...	1	2	13	4	...	S55°W	N86°W	8·8	...	...	40	−27	82	+1	·875	−·007	7·6	+0·3	12	8·80	+3·20	9·55	8·01	+1·54	19·85	24·16	−4·31	2·83	Waltair (Vizagapatam.)
3	2	2	1	4	2	6	7	3	S63°W	...	6·0	...	...	30	...	...	...	...	...	4·2	...	13	...	...	6·90	...	...	25·00	...	...	3·35	Calingapatam.
1	8	2	1	1	3	5	1	8	N 42°W	N61°W	10·0	9·3	+0·7	32	−9	90	+5	·953	+·024	5·0	−1·6	15	9·90	+5·10	9·81	7·14	+2·67	34·04	31·09	+2·95	1·62	Gopalpur.
																																Stations in the Bay.
3	3	1	2	3	6	8	2	2	S24°W	...	T4·0	...	...	33	...	83	...	·960	...	5·7	...	8	...	...	4·97	...	...	32·87	...	...	1·20	P.V. Fraser.
2	...	...	...	...	5	17	3	...	S41°W (g)	...	3·3	...	...	81	...	89	...	·922	...	9·6	...	20	...	...	19·80	...	...	58·23	...	...	5·62	Car Nicobar.
5	...	...	...	...	4	7	12	2	S68°W	S61°W	8·8*	9·5	−0·7	66	0	89	−1	·891	−·034	8·4	+0·3	23	...	...	16·93	19·42	−2·49	112·87	84·90	+27·97	2·29	Port Blair.
4	1	...	1	1	6	6	9	2	S56°W	...	13·7	...	...	53	...	91	...	·934	...	9·0	...	15	...	...	8·27	...	...	64·34	...	...	0·53	Slipper Island.

* Uncorrected.
T. 8 hrs. velocity.
(g) Mean of 27 days.

Table

(2) *Abstract of observations taken at 8 hrs. at* 238

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Kashmir.																						
14	Srinagar	5,204	24·856	+·010	24·827	24·962	19th	24·727	7th	·235	58·3	77·2	—2·2	53·9	+0·9	65·6	—0·7	23·3	81·1	4th and 8th	46·1	21st	35·0
	Gulmarg	8,569	21·884	...	21·852	21·955	23rd	21·791	7th	·164	53·7	61·6	...	42·1	...	51·9	...	19·5	67·2	16th	35·3	21st	31·9
	Sonemarg	8,764	21·854	...	21·822	21·934	23rd	21·760	5th and 7th	·174	44·5	62·8	...	40·7	...	51·7	...	22·1	67·4	25th	33·1	22nd	34·3
	Dras	10,059	20·810	...	20·778	20·891	23rd	20·721	5th	·170	48·2	66·7	...	39·8	...	53·3	...	26·9	72·9	4th	31·0	22nd	41·9
	Leh	11,503	19·745	+·015	19·713	19·837	3rd	19·667	5th	·170	48·4	64·9	—5·4	41·5	0	53·2	—2·7	23·4	71·1	8th	32·0	22nd	39·1
	Skardu	7,505	22·851	...	22·821	22·965	22nd	22·726	5th	·239	57·5	73·8	...	51·8	...	62·8	...	22·0	86·4	29th	43·6	21st	42·8
	Minimarg	9,359	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Astor	7,935	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Gilgit	4,890	25·077	...	25·050	25·244	18th	24·936	7th	·308	68·4	83·7	—3·0	61·2	—3·3	72·4	—3·2	22·5	96·2	1st	54·7	30th	41·5
	Baluchistan.																						
16	Quetta	5,502	24·618	+·015	24·578	24·719	19th	24·520	1st	·199	65·8	85·3	—0·1	49·1 (h)	—1·0 (h)	67·2 (h)	—0·6	30·2	90·1	1st	42·3	19th	47·8
	Chaman	4,311	25·643	—·005	25·605	25·762	19th	25·539	5th	·223	71·2	89·3	—2·3	60·3	—2·0	74·8	—2·2	29·0	93·8	1st	51·8	19th and 30th.	39·0
	Robat	...	26·856	...	26·814	27·007	18th	26·737	5th	·270	80·4	98·7	...	66·5	...	82·6	...	32·2	104·0	1st and 27th	59·2	10th	44·8
	Hill Stations excluding Kashmir and Baluchistan.																						
	Chitral	5,486	...	...	...	...	...	...	...	...	61·9	89·8	...	55·1	...	72·5	...	34·7	95·2	2nd and 4th.	49·0	29th	46·2
	Para Chinar	6,000	24·360	...	24·327	24·444	23rd	24·215	5th	·229	67·5	78·8	...	56·7	...	47·8	...	22·1	82·5	29th	48·8	18th	33·7
	Cherat	4,256	25·636 (e)	—·007	25·604 (e)	25·722	19th	25·494	5th	·228	68·2	78·2	—7·6	62·2	—3·7	70·2	—5·7	16·0	84·1	28th	51·5	30th	32·6
	Murree	6,333	23·830	+·009	23·807	23·919	19th	23·724	5th	·195	62·1	69·0	—4·8	56·6	—2·2	62·8	—3·5	12·4	73·0	24th and 25th.	47·0	17th	26·0
	Kailang	10,037	20·973	...	20·928	21·053	23rd	20·888	7th	·165	51·5 (e)	68·6 (e)	—0·6 (e)	41·0 (f)	—1·0 (f)	54·9 (f)	—0·8	27·6	70·6	5th	33·6	21st	43·2
	Simla	7,224	23·107	+·010	23·069	23·180	19th	23·018	6th	·162	60·4	66·7	+0·6	50·4	0	61·6	+0·3	10·3	70·4	29th	54·1	11th, 12th and 14th.	16·3
	Sarain	...	23·149	...	...	23·240	19th	23·050	6th	·190	50·2	69·8	...	50·3	...	60·1	...	19·5	74·1	5th	44·1	30th	30·0
	Kalabagh	...	23·155	...	...	23·216	3rd	23·088	6th	·128	49·3	55·6	...	43·2	...	49·4	...	12·4	60·1	29th	38·1	27th	22·0
	Chakrata	7,022	23·295	+·036	23·255	23·378	19th	23·196	6th	·182	61·6	72·5	+3·8	56·8	—0·2	64·7	+1·8	15·7	76·8	30th	54·7	20th, 21st and 30th.	22·1
	Muktesar	7,592	22·831	...	22·790	22·912	19th	22·740	6th	·172	60·9	70·4	...	54·7	...	62·5	...	15·7	73·5	28th and 30th.	51·0	30th	22·5
	Darjeeling	7,376	23·027	—·002	22·982	23·085	3rd and 24th	22·939	6th	·146	60·4	66·5	+2·4	56·1	+0·6	61·3	+1·5	10·4	70·3	19th	54·7	19th	15·6
	Shillong	4,920	25·096	...	25·048	25·159	19th	25·031	5th	·128	67·4	74·3	...	61·1	...	67·7	...	13·2	79·9	24th	56·7	14th	23·2
	Cherra Poonjee	4,309	25·650	...	25·601	25·729	19th	25·585	6th	·144	67·4	73·6	...	64·9	...	69·3	...	8·7	80·2	25th	61·3	29th	18·9
	Maymyo	3,545	26·300	...	26·335	26·471	19th	26·325	6th	·146	70·6	78·3	...	66·2	...	72·3	...	12·1	81·4	22nd 28th and 29th.	62·1	21st	19·3
	Pachmarhi	3,528	26·378	+·015	26·325	26·449	15th	26·268	1st	·181	72·0	78·6	+1·4	66·9	+0·6	72·7	+1·0	11·7	82·7	27th	61·6	19th and 23rd.	21·1
	Mount Abu	3,945	26·005	+·022	25·955	26·079	19th	25·895	1st	·184	69·9	75·6	+0·3	65·1	+0·5	70·4	+0·4	10·5	82·2	5 days.	61·4	14th	20·8
	Mercara	3,781	26·186	—·025	26·119	26·241	19th	26·143	27th	·098	64·8	72·5	+0·3	61·6	—0·3	67·1	0	10·9	78·0	10th	59·0	25th	17·0
	Ootacamund	7,329	23·990	...	22·926	23·041	18th	22·953	26th	·088	56·7	65·1	...	51·1	...	58·1	...	14·0	68·5	23rd and 27th.	45·7	19th and 26th.	22·8
	Kodaikanal	7,688	22·788	...	22·723	22·837	18th	22·747	27th	·090	57·1	63·1	...	52·9	...	58·0	...	10·2	67·0	23rd	50·5	19th	16·5

N. B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometeric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

(h) Mean of 26 days.
(e) Mean of 29 days.
(f) Mean of 28 days.

B.—*continued.*

stations in India, &c., in September, 1908.

Wind direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th September 1908.	Normal rainfall for period 1st May to 30th September.	Departure from normal of period 1st May to 30th September 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Kashmir.
12	...	1	...	4	5	4	3	1	S18°W	S43°E	2·9	3·3	—0·4	32	+7	86	—1	·423	—·045	3·6	+0·3	6	3·30	+2·70	1·40	1·11	+0·29	11·75	10·41	+1·34	0·35	Srinagar.
6	...	11	4	1	...	4	3	1	N50°E	...	5·8	...	...	29	...	86	...	·358	...	3·4	...	8	...	...	4·67	...	...	22·81*	..	...	1·15	Gulmarg.
16	1	9	2	1	..	.	1	...	N51°E	...	3·0	...	...	36	...	85	...	·250	...	3·7	...	11	...	...	3·81	...	...	18 69	...	...	0·47	Sonemarg.
30	...	.	...	...	...	...	...	...	(*a*)	...	6·1	...	...	...	...	66	...	·231	...	3·3	...	2	2·00	0	0·55	0·87	—0·32	4·14	5·46	—1·32	0·30	Dras.
30	...	...	...	...	...	...	...	..	(*a*)	N85°W	2·0†	1·9	+0·1	...	...	59	+11	·209	+·033	6·0	+2·4	5	0·50	+4·50	1·50	0·20	+1·30	3·90	1·53	+2·37	0·38	Leh.
26	...	2	...	1	1	...	...	...	S81°E	...	4·8	...	...	7	...	65	...	·317	...	4·7	...	4	0·40	+3·60	1·13	0·21	+0·92	4·33	2·93	+1·40	0·43	Skardu.
...	...	...	...	...	...	...	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Minimarg.
...	...	...	...	...	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Astor.
28	...	...	...	...	...	1	1	.	S66°W	...	2·0	...	...	7	...	61	+10	·425	+·040	5·0	+1·5	2	1·10	+0·90	0·83	0·25	+0·58	4·76	2·35	+2·41	0·49	Gilgit.
																																Baluchistan.
28	.	1	...	...	...	...	1	.	N23°W	S45°W	2·3	2·2	+0·1	2	0	37	—13	·233	—·097	0·5	+0·3	0	0·20	—0·20	0	0·13	—0·13	1·01	2·32	—1·31	0	Quetta.
6	...	...	1	2	6	14	1	...	S26°W	S8°E	6·9	7·8	—0·9	67	+29	31	+1	·241	—·028	0·4	+0·1	0	0	0	0	0	0	0	0·28	—0·28	0	Chaman.
6	1	9	...	...	1	2	9	2	N41°W	...	7·9	...	...	29	...	61	...	·630	...	0	...	0	—	...	0	...	...	0	...	...	0	Robat.
																																Hill Stations excluding Kashmir and Baluchistan.
30	...	...	...	.	...	...	...	...	(*a*)	...	10·7	...	...	...	...	69	...	·431	...	2·5	...	4	...	...	1·08	...	...	2·86	...	...	0·50	Chitral.
30	...	...	...	...	.	...	...	...	(*a*)	...	4·2	...	...	...	...	69	...	·397	...	1·7	...	8	5·30	+2·70	2·93	2·63	+0·30	13·06	12·46	+0·60	0·76	Para Chinar.
21	4	1	...	1	1	...	.	2	N	S32°W	5·3	7·9	—2·6	15	+10	(*l*) 76	+18	(*l*) ·506	+·038	2·8	+0·9	5	...	...	8·55	1·89	+6·75	17·83	11·83	+6·00	4·30	Cherat.
10	2	2	..	10	2	...	...	4	S63°E	N37°W	6·7	5·7	+1·0	23	+4	71	+6	·404	+·023	3·2	+0·7	10	8·00	+2·00	8·33	5·62	+2·71	53·28	37·58	+15·70	1·90	Murree.
...	...	1	...	4	7	9	8	1	S39°W	...	1·9†	1·7	+0·2	63	...	65	...	·254	...	3·5	...	2	...	...	0·68	1·67	—0·99	7·05	8·32	—1·27	0·43	Kailang.
4	14	1	2	2	7	...	...	...	N33°E	N32°E	3·8	4·1	—0·3	23	—14	(*e*) 69	—7	(*e*) ·361	—·036	2·4	—1·8	5	8·70	—3·70	3·39	5·87	—2·48	42·60	51·29	—8·69	1·03	Simla.
19	...	1	...	.	7	3	...	...	S7°W	...	2·9	...	...	27	...	77	...	·355	...	2·7	...	6	...	...	3·36	...	...	41·22	...	...	0·82	Sarain.
11	2	...	...	...	13	2	..	2	S15°W	...	4·8	...	..	37	...	68	...	·242	...	3·5	...	6	...	...	3·73	...	...	54·00‡	...	...	1·05	Kalabagh.
11	13	2	...	3	1	...	...	.	N17°E	N21°E	5·2	6·0	—0·8	40	+2·7	80	—3	·444	—·006	2·8	—0·9	2	8·30	—6·30	0·83	6·10	—5·27	55·74	56·55	—0·81	0·43	Chakrata.
22	...	...	3	1	1	...	3	.	S24°E	...	4·0	...	...	7	...	80	...	·425	...	4·2	...	7	...	...	3·50	...	...	28·22	...	...	1·73	Muktesar.
5	...	4	5	4	...	4	6	2	S18°E	S89°E	3·6	3·7	—0·1	5	—14	94	0	·493	+·019	8·0	—0·5	20	17·71	+2·29	15·04	18·95	—3·91	83·84	111·83	—27·99	4·54	Darjeeling.
30	...	...	.	...	...	...	...	...	()	...	1·6	...	...	...	...	84	...	·561	...	6·6	...	21	17·50	+3·50	16·14	13·67	+2·47	60·30	65·58	—5·28	2·90	Shillong.
3	2	10	...	...	...	11	4	...	N74°W	...	5·0	...	...	17	...	92	...	·616	...	7·9	...	20	18·80	+1·20	57·21	51·49	+5·72	258·46	374·47	11—6·01	8·21	Cherra Poonjee.
18	...	4	2	...	1	5	1	1	S22°W	...	(*g*) 1·8	...	...	3	...	91	...	·688	...	4·1	...	11	15·20	—4·20	6·50	9·06	—2·56	34·48	44·24	—9·76	1·90	Maymyo.
3	4	11	1	...	...	4	3	5	N3°W	N85°W	4·7	6·2	—1·5	40	—4	80	—3	·618	—·009	4·3	—2·3	10	13·80	—3·80	6·27	14·09	—7·82	70·44	71·30	—0·86	1·87	Pachmarhi.
1	4	1	2	1	2	13	3	3	S65°W	S70°W	6·6	7·9	—1·3	(*g*) 40	—4	(*g*) 78	—2	(*g*) ·543	—·008	4·5	—0·1	2	8·00	—6·00	1·00	9·12	—8·12	129·23	59·76	+69·47	0·37	Mount Abu.
...	3	1	...	...	...	...	9	18	N53°W	N67°W	(*n*) 6·7	7·2	—0·5	86	+12	94	+2	·569	—·005	7·8	—0·7	13	18·00	—5·00	4·29	10·48	—6·19	112·69	110·32	+2·37	0·96	Mercara.
14	...	1	1	1	...	...	10	3	N78°W	...	3·9	...	...	33	...	81	...	·379	...	6·6	...	11	10·10	+0·90	4·94	4·44	+0·50	23·	27·19	—4·03	1·37	Ootacamund
1	.	...	...	1	1	1	11	14	N68°W	...	11·0*	...	...	72	...	79	...	·375	...	5·8	...	16	12·40	+3·60	8·91	6·70	+2·21	26·41	27·06	—0·65	1·30	Kodaikanal.

(*a*) Indeterminate.
(*g*) Mean of 27 days.
(*l*) Mean of 22 days.
(*e*) Mean of 29 days.
(*n*) Mean of 20 days.

* Rainfall since 29th May 1908.
† Uncorrected.
‡ Rainfall since 13th May 1908.

Table

(2) *Abstract of observations taken at 8 hrs. at 238*

Number of Sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Extra India.																						
	Singapore (*a*) .	10	29·942	...	29·873	29·997	15th	29·881	24th	·116	83·2	87·1	...	74·2	...	80·7	...	12·9	90·8	17th	73·4	16th and 20th.	17·4
	Penang (*a*) . .	20	29·909	...	29·854	29·952	3rd	29·858	28th	·094	80·2	89·7	...	73·8	...	81·8	...	15·9	92·0	5th, 6th and 22nd.	72·0	3rd and 27th.	20·0
	Trincomalee . .	12	29·855	+·001?	29·793	29·925	19th	29·805	5th	·120	77·8	89·9	—1·3	76·4	—0·2	83·2	—0·8	13·5	93·5	1st	73·0	3rd	20·5
	Colombo . .	40	29·867	—·043	29·833	29·925	18th and 19th.	29·783	5th	·142	78·6	85·8	—0·2	77·2	+0·2	81·5	0	8·6	89·5	20th	73·5	27th	16·0
	Minicoy . .	7	29·946	...	...	30·097	19th	29·897	5th	·110	...	...	...	...	...	...	...	...	...	...	...	...	...
	Amini Divi . .	*13*	29·916	—·011	29·857	29·976	18th	29·856	26th	·120	81·4	86·2	+1·2	76·2	—1·0	81·2	+0·1	10·0	89·5	20th	73·5	8th	16·0
	Gyantse . .	13,120	?	...	?	?	...	?	...	?	47·8	69·9	...	41·3	...	55·6	...	28·6	76·5	2nd	35·9	26th	40·6
	Pharijong . .	14,400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Gangtok . .	5,660 ?	24·307	...	...	24·497	24th	24·319	30th	·178	65·7	73·7	...	60·7	...	67·2	...	13·0	79·9	2nd	59·2	8th	20·7
	Gartok . . .	15,100 ?	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kashgar (*e*) (*f*) .	4,255	25·591	...	...	25·850	18th and 19th.	25·410	5th and 15th.	·440	66·2	85·7	+4·2	55·0	—1·8	70·4	+1·2	30·7	95·3	16th	47·5	30th	47·8
	Kabul . . .	...	24·211	...	24·180	24·316	23rd	24·109	5th	·207	65·8	87·5	+0·2	52·4	+1·4	70·0	+0·8	35·1	94·9	23rd	41·9	21st	53·0
	Meshed . . .	3,104	26·800	...	...	26·943	19th	26·594	26th	·349	65·8	85·0	...	47·1	—7·2	66·2	...	38·2	93·1	24th	39·8	14th	53·6
	Jask (*e*) . . .	13	29·768	+·020	29·738	29·895	19th	29·653	5th	·242	86·6	93·7	+0·2	81·8	+0·9	87·8	+0·6	11·9	104·8	9th	75·8	25th	29·0
	Muscat . . .	20	29·767	+·012	29·734	29·891	19th	29·649	1st	·242	87·3	95·9	+8·7	83·9	+0·5	89·9	+4·6	12·0	102·3	30th	78·1	24th	24·2
	Bahrein . . .	18	29·774	...	29·744	29·936	19th	29·603	1st	·333	89·9	96·1	...	83·1	...	89·6	...	13·0	99·9	5th	77·3	30th	22·6
	Bushire . . .	14	29·743	+·014	29·716	29·908	19th	29·615	1st & 5th	·293	88·1	95·4	+1·1	81·2	+2·1	88·3	+1·6	14·2	98·6	6th	76·6	28th& 30th.	22·0
	Busrah . . .	25	29·753	...	29·737	29·885	19th	29·594	5th	·291	80·9	101·6	...	73·0	...	87·3	...	28·6	106·6	4th	69·3	30th	37·3
	Ispahan (*b*) . .	*5,817*	24·355	...	...	24·540	19th	24·000	23rd	·540	68·3	87·7	—2·7	56·0	+1·0	71·9	— 0·9	31·7	92·9	5th	51·2	24th	41·7
	Tehran (*b*) . .	*4,002*	25·781	...	...	25,900	18th	25,650	27th	·250	70·0	92·1	+1·4	63·4	—1·5	77·8	—0·1	28·7	98·6	5th & 6th.	56·7	30th	41·9
	Baghdad . .	220	29·643	—·030	29·835	29·799	19th	29·496	2nd	·303	82·5	106·6	+4·7	75·4	+3·8	91·0	+4·3	31·2	113·7	4th	70·7	26th	43·0
	Beirut . . .	...	...	...	...	29·870	...	...	...	...	*80·5	85·7	...	72·8	...	79·3	...	12·9	89·2	17th	68·0	23rd	21·2
	Aden . . .	94	29·752	+·015	29·777	29·851	20th	29·635	5th	·216	86·7	93·8	+0·2	82·7	+0·5	88·3	+0·4	11·1	98·8	14th	73·9	26th	24·9
	Perim . . .	201	29·588	—·021	29·721	29·697	20th	29·473	5th	·224	88·2	94·2	—0·7	84·1	+1·0	89·1	+0·2	10·1	97·7	18th	81·0	2nd	16·7
	Zanzibar . .	72	30·077	+·011	30·076	30·123	4th	30·015	15th	·108	76·3	82·8	+0·8	73·4	0	78·1	+ 0·4	9·4	85·1	27th	72·0	24th	13·6
	,, Dunga .	*164*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

N.B.—Elevations in italics indicate barometrical determinations.

Note.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

(*a*) 9 hrs. observations.
(*b*) Aneroid uncorrected.
* 8½ hrs. observation.
(*e*) Aneroid corrected.
(*e*) Mean of 29 days.
(*f*) Mean of 28 days.

B.—*concld.*

stations in India, etc., in September, 1908—concld.

Wind direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 9 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th September 1908.	Normal rainfall for period 1st May to 30th September.	Departure from normal of period 1st May to 30th September 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Extra India.
4	1	...	1	7	..	11	4	2	S35°W	...	6·9*	...	...	40	...	...	...	...	...	6·7	...	11	...	...	5·57	...	...	29·18	...	...	1·33	Singapore.
...	3	5	12	3	7	...	...	..	S82°E	...	9·8*	...	...	59	...	...	...	...	...	3·2	...	17	...	...	25·54	...	...	73·21	...	...	5·22	Penang.
...	...	...	...	...	...	30	...	...	S45°W	S43°W	7·2*	12·8	—5·6	96	+2	87	+7	·836	—·029	2·9	—0·1	5	...	...	2·43	4·56	—2·13	9·39	15·14	—5·75	1·04	Trincomalee
..	...	...	...	...	...	26	4	...	S51°W	S57°W	8·6*	9·2	—0·6	92	+11	87	+9	·859	+·007	7·6	+1·6	9	...		2·55	4·82	—2·27	20·63	32·90	—12·27	0·66	Colombo.
...	3	...	...	...	...	...	12	15	N59°W	N75°W	7·7	11·6	—3·9	90	+10	...	...	...	...	6·0	+0·8	18	...	...	17·21	5·97	+1·24	5·93	34·12	+17·81	3·60	Minicoy.
...	3	.	...	...	...	1	9	17	N58°W	...	...	...	...	87	...	80	−2	·851	−·029	6·4	+0·1	13	...	...	6·38	5·54	+0·84	51·16	37·73	+13·43	1·85	Amini Divi.
...	1	4	9	12	1	1	...	2	S74°E	...	4·1	...	...	60	...	70	...	·232	...	...	...	7	...	...	2·12	...	...	8·53	...	...	0·48	Gyantse,
...	...	.	...	...	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pharijong.
30	...	...	.	...	...		...	...	(a)	...	(g) 0·6	...	...	...	...	90	...	·574	...	4·2	...	22	...	...	22·38	...	...	94·99	...	...	3·46	Gangtok.
...	.	...	.	.	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Gartok.
25	...	...	...	...	...	...	...	3	N45°W	N29°W	(g) 1·0	3·0	−2·0	11	0	51	−3	·322	−·004	1·0	−2·2	1	...	...	0·10	0·43	−0·33	1·20	3·01	−1·81	0·10	Kashgar(f)
...	5	7	.	..	3	2	10	3	N48°W	S13°W	...	...	...	43	+34	53	...	·340	...	0·9	+0·8	1	...	...	0·35	0·03	+0·32	0·60	1·16	−0·56	0·35	Kabul.
21	4	...	3	1	..	.	1	..	N45°E	...	0·7	...	...	13	...	49	...	·308	...	0·6	0	0	...	...	0·03	0·02	+0·01	2·95	1·01	+1·94	0·02	Meshed.
8	1	1	12	2	...	...	...	8	N51°E	S81°E	(f) 9·3	13·4	−4·1	36	−27	75	+2	·938	+·013	0·4	—1·1	0	...	...	0	0	0	0	0·13	−0·13	0	Jask.
25	1	...	...	2	...	.	1	1	N45°W	N72°E	3·4	3·8	−0·4	1	−28	66	−11	·849	−·081	0·2	—0·8	0	...	...	0	0	0	0	0·40	−0·40	0	Muscat.
...	1	.	2	3	1	4	11	8	N86°W	...	5·3	...	...	50	...	77	...	1·086	...	0	...	0	...	...	...	...	...	0	...	...	0	Bahrein.
4	1	9	10	4	1	...	...	1	N77°E	N60°E	6·5	6·9	−0·4	59	+7	72	+9	·940	+·123	1·3	...	0	...	...	0	0	0	0·07	0	+0·07	0	Bushire,
5	...	...	.	2	2	7	11	3	S71°W	...	(m) 3·5	...	...	60	...	66	...	·702	...	0·9	...	0	...	...	0	...	...	0·25	...	...	0	Busrah.
25	...	...	...	...	...	..	3	1	(e) N76°W	N72°W	1·2	3·4	−2·2	14	−20	49	+1	·343	−·032	0·1	—0·2	0	...	...	0	0	0	0·23	0·17	+0·06	0	Ispahan.
...	11	12	1	1	...	3		2	N21°E	N62°E	5·0	2·8	+2·2	67	+55	56	+22	·409	+·098	0·2	—0·4	0	...	...	0	0·14	—0·14	0·39	0·97	—0·58	0	Tehran.
11	4	..	...	1	2	..	4	8	N52°W	N11°W	6·5	2·4	+4·1	37	−15	40	−8	·440	−·067	0·9	+0·7	0	...	...	0	0	0	0·11	0·33	—0·22	0	Baghdad.
1	1	7	...	...	...	18	1	2	S62°W	...	...	...	...	37	...	58	...	·609	...	2·5	...	0	...	...	0	...	...	1·05	...	...	0	Beirut.
3	1	17	...	4	...	4	...	1	N54°E	S56°E	9·2	9·6	−0·4	46	+16	76	+1	·946	+·014	4·0	+0·1	1	...	...	0·72	0·13	+0·59	0·87	0·50	+0·37	0·71	Aden.
...	3	1	9	3	3	1	2	8	N45°E	N72°E	9·3	12·0	−2·7	20	+7	71	—3	·945	—·019	0	—3·8	0	...	...	0	0·01	—0·01	1·95	0·84	+1·11	0	Perim.
1	...	...	...	5	11	10	3	...	S18°W	S5°E	5·3	5·6	—0·3	77	−9	82	—1	·740	—·004	7·5	+1·6	5	...	...	1·59	2·03	—0·44	24·47	18·36	+6·11	0·42	Zanzibar.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	,, Dunga.

(a) Indeterminate.

* Uncorrected.
(g) Mean of 27 days.
(f) ,, ,, 28 ,,
(m) ,, ,, 21 ,,
(e) ,, ,, 29 ,,

Table C.—Abstract of observations taken at 8 hrs. at 30 fourth class stations in India, etc., in September, 1908.

TABLE

Abstract of observations taken at 8 hrs. at 30 fourth

Number of sub-division.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from									Resultant direction.	Normal direction.
															Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	II.—Eastern Bengal and Assam.																								
4	Bishnath	78·2	89·1	...	68·4	...	78·8	...	20·7	94·5	25th	64·0	23rd	30·5	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	79·8	90·0	...	74·4	...	82·2	...	15·6	95·2	1st & 24th.	71·5	23rd	23·7	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	80·9	89·9	...	75 1	...	82·5	...	14·8	94·6	24th	73·3	21st	21·3	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	77·9	89·8	...	73·7	...	81·8	...	16·1	94·5	5th	71·8	19th & 29th.	22·7	...	...	...	...	...	...	...	...	...	...	...
	Dikom	77·6	87·9	...	74·6	...	81·3	...	13·3	95·8	24th	72·2	29th	23·6	...	...	...	...	...	...		...	...	...	...
	Golaghat	79·7	88·0	...	75·9	...	82·0	...	12·1	92·9	25th	73·5	26th	19·4	...	...	...	...	...	...	...	...	...	...	...
	Haitakandi	77·6	89·2	...	75·8	...	82·5	...	13·4	96·2	24th	74·0	3rd	22·2	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	80·3	89·2	...	75·7	...	82·5	...	13·5	94·9	25th	72·8	30th	22·1	...	...	...	...	...	...	...	...	...	...	...
	Messa	81·8	93·3	...	74·5	...	83·9	...	18 8	99·0	24th	69·7	6th	29·3	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	74·3	88·7	...	72·7	...	80·7	...	16·0	96·1	25th	70·0	27th	26·1	...	...	...	...	...	...	...	...	...	...	...
	Srimangal	81·4	90·0	...	75·5	...	82·8	...	14·5	95·5	24th	71·2	25th	24·3	...	...	...	...	...	...	...	...	...	...	...
5	Brahmanbaria	82·1	89·2	...	77·5	...	83·4	...	11·7	95·3	24th	75·9	10th & 26th.	19·4	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	76·0	91·6	...	73·2	...	82 4	...	18·4	97·9	25th	70·9	24th & 30th.	27·0	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	83·6	90·6	...	76·6	...	83·6	...	14·0	96·5	13th	73·6	18th & 19th.	22·9	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	80·9	89·2	...	73·2	...	81·2	...	16·0	94·6	26th	69·9	13th & 18th.	24·7	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	77·9	89·9	...	73·2	...	81·6	...	16·7	96·1	25th	70·0	23rd	26·1	...	...	...	...	...	...	...	...	...	...	...
	Pabna	84·7	93·4	...	77·3	...	85·4	...	16·1	98·2	24th	73·9	26th	24·3	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
6	Fraserganj	83·9	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	2	12	2	3	...	S 17° E	...
	XI.—Central Provinces.																								
24	Chhindwara	(a) 76·6	(a) 84·9	...	(a) 70·2	...	(a) 77·6	...	14·7	89·7	24th	65·9	23rd	23·8	...	9	10	...	...	3	...	3	5	N 3° E	...
	Hill Stations.																								
	Panighatta	80·2	88·1	...	72·7	...	80·4	...	15·4	94·9	25th	71·1	6th	23·8	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	66·9	73·2	...	63·3	...	68·3	...	9·9	82·3	27th	61·2	6th	21·1	...	...	...	...	...	...	...	...	...	...	...
	Poo (*b*)	...	70·4	...	51·8	...	61·2	...	18·6	77·2	4th	45·3	22nd	31·9	17	...	...	...	2	2	6	1	...	S 27° W	...
	Kargil	56·5	76·4	...	46·6	...	61·5	...	29·8	85·1	3rd	40·0	30th	45·1	...	1	1	...	...	2	9	5	12	N 84° W	...
	Killa Drosh	66·1	85·7	...	61·9	...	73·9	...	23·8	94·7	1st	53·0	30th	41·7	29	...	...	1	...	...	...	...	...	E	...
	Pishin	...	87·8	...	50·8	...	69·3	...	37·0	92·4	1st	45·1	25th	47·3	...	...	...	...	...	...	...	...	...	...	...
	Kalat	65·2†	83·3	—1·9	43·1	+3·6	63·2	+0·9	40·2	89·5	1st	37·2	25th	52·3	...	5	...	...	...	23	...	2	...	S 6° W	...
	Extra India.																								
	Birjand	(d) 67·3	(b) 81·4	...	(c) 54·2	...	(c) 67·8	...	27·2	86·2	28th	44·7	21st	41·5	4	...	9	1	2	5	...	...	...	S 89° E	...
	Chumbi	† 55·5	† 64·2	...	50·0	...	57·1	...	14·2	68·8	4th	43·1	26th	25·7	...	...	30	...	...	...	...	...	...	W 45° E	...
	Koweit	...	106·1	...	82·2	...	94·2	...	23·9	116·8	22nd	78·7	12th & 19th.	38·1	2	1	...	1	2	1	3	14	3	S 86° W	...
	Maidan	...	111·5†	...	...	...	...	...	...	119·0	5th	...	...	...	...	...	...	...	...	1	15	14	...	S 64° W	...
	Karmanshah (*g*)	75·5	90·0	...	63·9	...	77·0	...	26·1	93·8	6th	52·1	30th	41·7	...	...	...	...	...	...	...	...	...	...	...

† Uncorrected. | ‡ Mean of 8 days.

(*a*) Mean of 29 days. | (*b*) Mean of 28 days. | (*c*) Mean of 27 days. | (*d*) Mean of 26 days.
(*g*) Mean of 14 days.

C.

class stations in India, etc., in September, 1908.

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Mean velocity miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th September 1908.	Normal rainfall for period 1st May to 30th September.	Departure from normal of period, 1st May to 30th September 1908.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Eastern Bengal and Assam.
...	...	...	...	...	93	...	·893	...	...	...	19	...	...	14·47	...	...	67·37	...	...	2·65	Bishnath.
...	...	...	...	...	92	...	·948	...	...	...	13	...	...	11·01	...	...	59·94	...	...	2·40	Borjuli.
...	...	...	...	...	89	...	·942	...	...	...	20	...	...	11·45	...	...	73·43	...	...	1·35	Chandkhira.
...	...	...	...	...	88	...	·850	...	...	...	13	...	...	10·69	...	...	76·28	...	...	1·83	Doom Dooma.
...	...	...	...	...	93	...	·885	...	...	...	19	...	...	15·45	...	...	82·24	...	...	2·35	Dikom.
...	...	...	...	...	90	...	·917	...	...	...	19	...	..	11·04	...	...	50·62	...	...	1·88	Golaghat.
...	...	...	...	...	92	...	·868	...	...	...	17	...	...	16·98	...	...	89·87	...	...	5·01	Hailakandi.
...	...	...	...	...	89	...	·913	...	...	..	16	...	...	11·86	...	...	63·36	...	...	3·10	Jorehat.
...	...	...	...	...	81	...	·887	...	...	...	14	...	...	10·27	...	...	73·57	...	...	1·98	Messa.
...	...	...	...	...	96	...	·812	...	...	...	14	...	...	6·23	...	...	39·16	...	...	1·45	Panerihat.
...	...	...	...	...	88	...	·939	...	...	...	19	...	...	16·02	...	...	64·52	...	...	3·24	Srimangal.
...	...	...	...	...	89	...	·971	...	...	...	15	...	...	11·17	...	...	48·12	...	...	2·05	Brahmanbaria.
...	...	...	...	...	96	...	·859	...	...	...	22	...	...	30·05	...	...	129·01	...	...	3·15	Dam Dim.
...	...	...	...	...	84	...	·973	...	...	...	12	...	...	4·51	...	...	36·95	...	...	0·94	Goalundo.
...	...	...	...	...	86	...	·914	...	...	...	16	...	...	30·08	...	...	112·78	...	...	5·16	Kalchini.
...	...	...	...	...	92	...	·883	...	...	...	22	...	...	30·30	...	...	124·55	...	...	4·56	Nagrakata.
...	...	...	...	...	82	...	·982	...	...	...	12	...	...	7·51	...	...	57·24 †	...	...	2·95	Pabna.
																					III.—Bengal.
...	...	...	47	...	86	...	1·111	...	...	...	14	...	...	9·29	...	...	47·13	...	...	3·77	Fraserganj.§
																					XI.—Central Provinces.
3·1*	...	...	57	...	79	...	·721	...	...	...	7	...	...	4·81	...	...	20·82 ‡	...	...	1·00	Chhindwara.
																					Hill Stations.
...	...	...	...	...	83	...	·846	...	...	...	21	...	...	28·64	...	...	115·40	...	...	5·95	Panighatta.
...	...	...	...	...	91	...	·598	...	...	...	21	...	...	23·13	...	...	133·32	...	...	4·05	Kursoong.
...	...	...	32	...	...	...	...	...	2·4	...	0	...	...	0	0·45	−0·45	2·83	3·02	−0·19	0	Poo.
...	...	...	63	...	52	...	·243	...	3·6	...	3	...	...	0·66	...	...	3·71	...	...	0·27	Kargil.
...	...	...	3	...	62	...	·399	...	2·1	...	4	...	...	1·47	...	...	4·02	...	...	0·48	Killa Drosh.
...	...	...	...	...	...	...	...	...	...	...	0	...	...	0	0·01	−0·01	0·17	0·46	−0·29	0	Pishin.
...	...	...	60	...	40	...	·252	...	...	...	0	...	...	0	0	0	2·39	1·65	+0·74	0	Kalat.
																					Extra India.
5·7(f)	...	...	38	...	(d) 25	...	(d) ·166	...	...	...	0	...	...	0	...	...	0	...	...	0	Birjand.
...	...	...	97	...	91	...	·404	...	...	...	10	...	...	3·18	...	...	...	...	...	0·59	Chumbi.
...	...	...	57	...	...	...	...	...	0·5	...	0	...	...	0	...	...	0¶	...	...	0	Koweit.‖
...	...	...	90	...	...	...	...	...	0	...	0	...	...	0·05	...	...	0·20	...	...	0·05	Maidan.
...	...	...	...	...	27	...	·231	...	...	...	0	...	...	0	...	...	1·84	...	...	0	Karmanshah.

* Corrected.
† Rainfall for July 1908 not included.
‡ Total rainfall from 1st June 1908.
(d) Mean of 26 days.
(f) „ „ 8 „

§ Wind variable.
‖ Wind direction for 28 days and variable 1.
¶ Total rainfall from 1st August 1908.

The lines of the above chart represent isobars or lines of equal barometric pressure, the numbers attached indicating the barometric pressure in inches and being drawn for differences of pressure of ·05 inch. The isobars in the Bay of Bengal are filled in by means of the shore observations, and by comparison with the normal distribution of pressure.

The mean 8 hrs. wind directions of the month are shewn by means of arrows flying with the wind, and are calculated by means of Lambert's formula applied to the winds as given in Table B of the 8 hrs. observations. The mean wind directions for the hill stations are indicated by broken arrows to distinguish them from the wind arrows for the plain stations. The mean velocity of the winds during the month is shewn by the following notation:—

Velocity of	0 to 2 miles per hour	one	feather added to the wind arrow.
,, ,,	2 to 5 ,, ,, ,,	two	feathers ,, ,, ,, ,,
,, ,,	5 to 10 ,, ,, ,,	three	,, ,, ,, ,, ,,
,, ,,	10 to 20 ,, ,, ,,	four	,, ,, ,, ,, ,,
	over 20 ,, ,, ,,	five	,, ,, ,, ,, ,,

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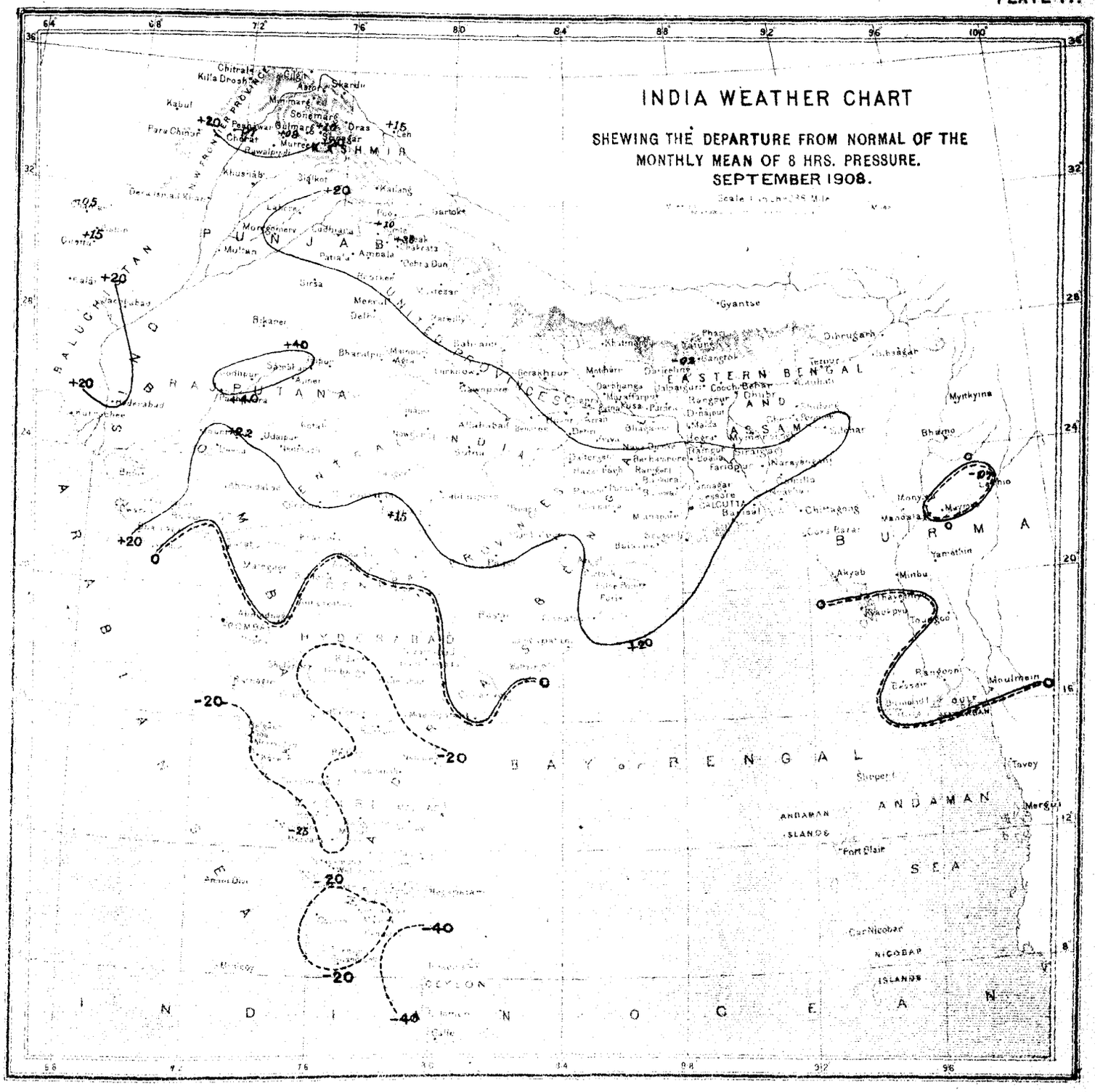


The chart shows the departure from normal of the mean during the month of 8 hrs. pressure by means of lines drawn for equal amounts of departure. The numbers are given in thousandths of an inch, 20 representing ·020′ or two hundredths of an inch, &c. Continuous lines indicate that the pressure was in excess by amounts indicated by the numbers attached to the lines, and broken or dotted lines that it was in defect by amounts indicated by the numbers attached to the lines. Two parallel lines near to each other, one continuous and the other broken or dotted, represent the line of no departure, the dotted line facing the area of deficient pressure or negative departures.

PLATE III

CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MAXIMUM TEMPERATURE

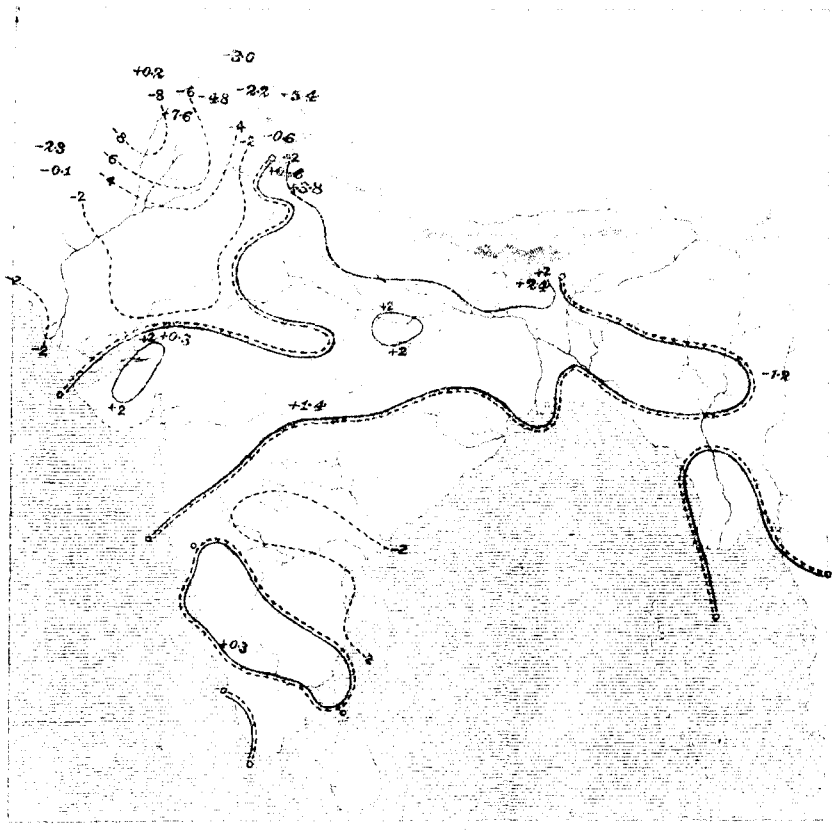
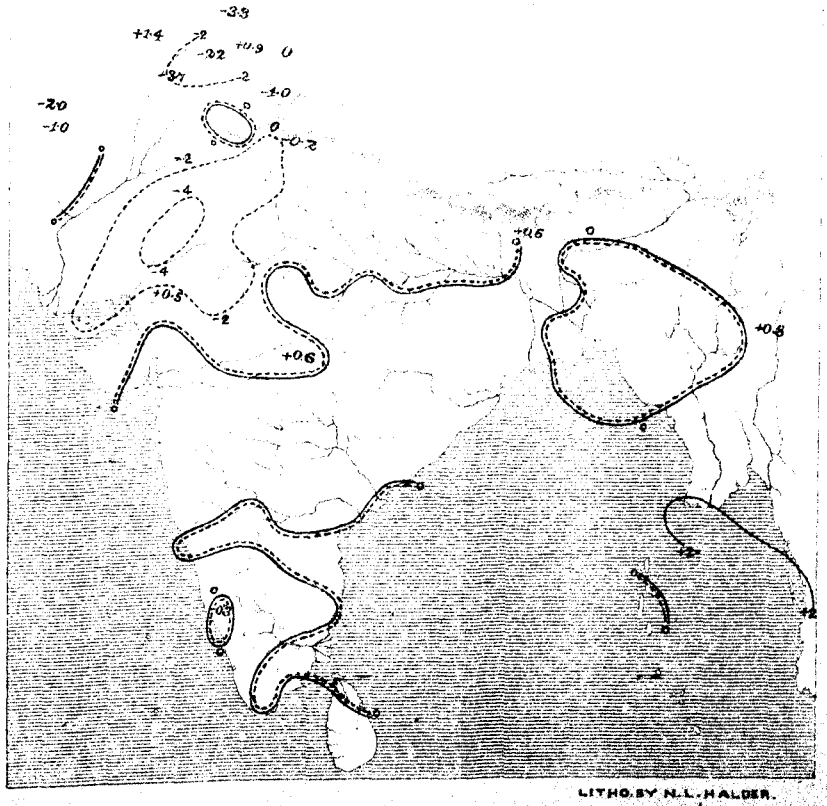


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MINIMUM TEMPERATURE.



LITHO. BY N. L. HALDER.

CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MEAN TEMPERATURE.

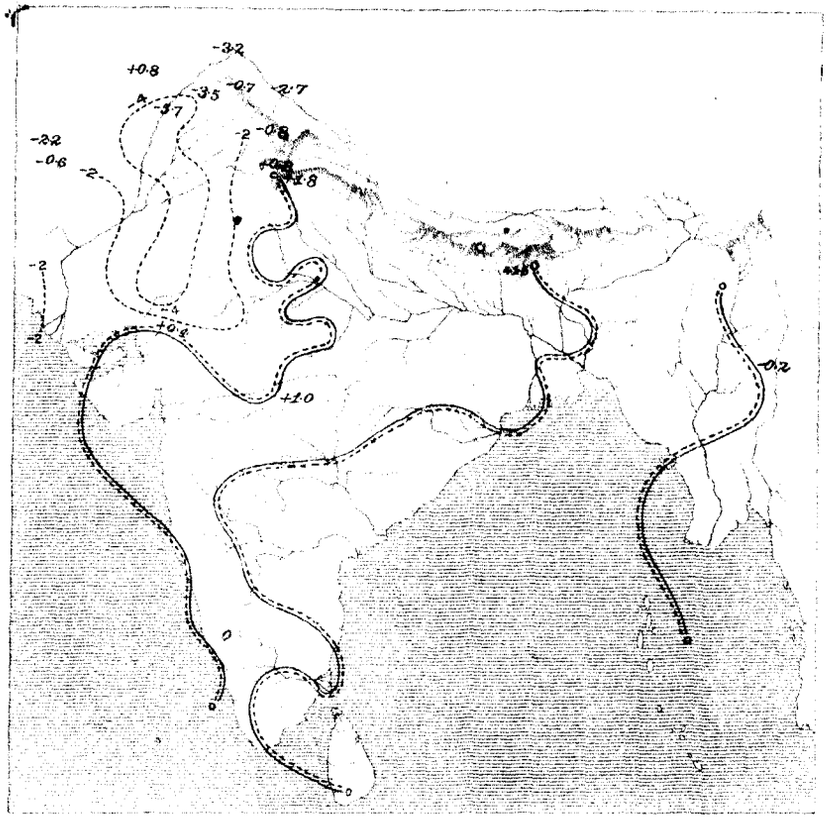


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.

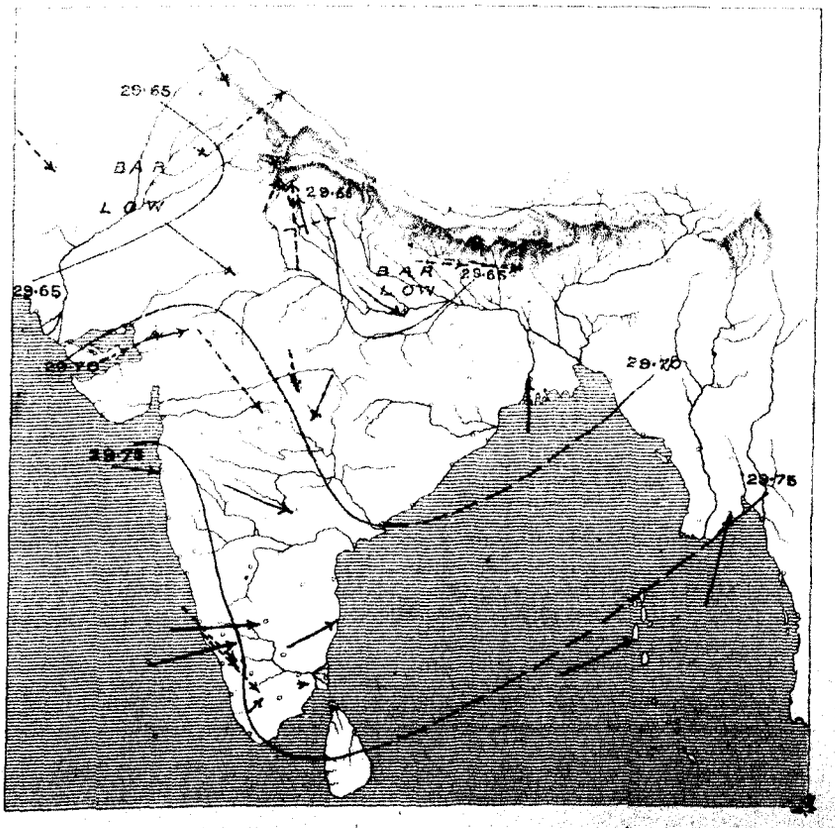


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF ABSOLUTE
HUMIDITY AT 8 HRS.

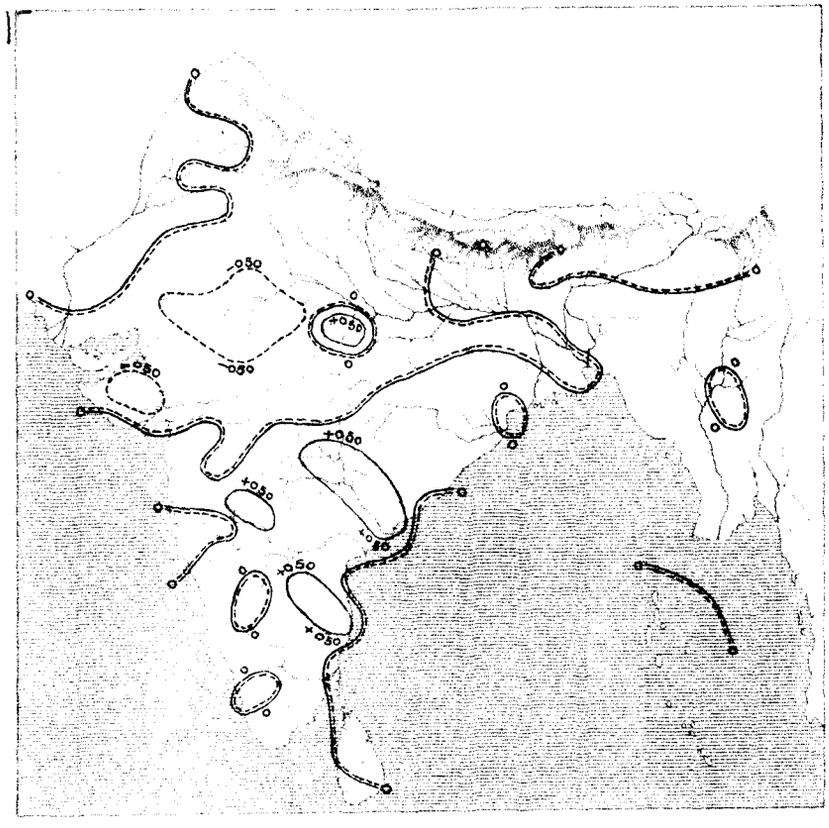


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF RELATIVE
HUMIDITY AT 8 HRS.

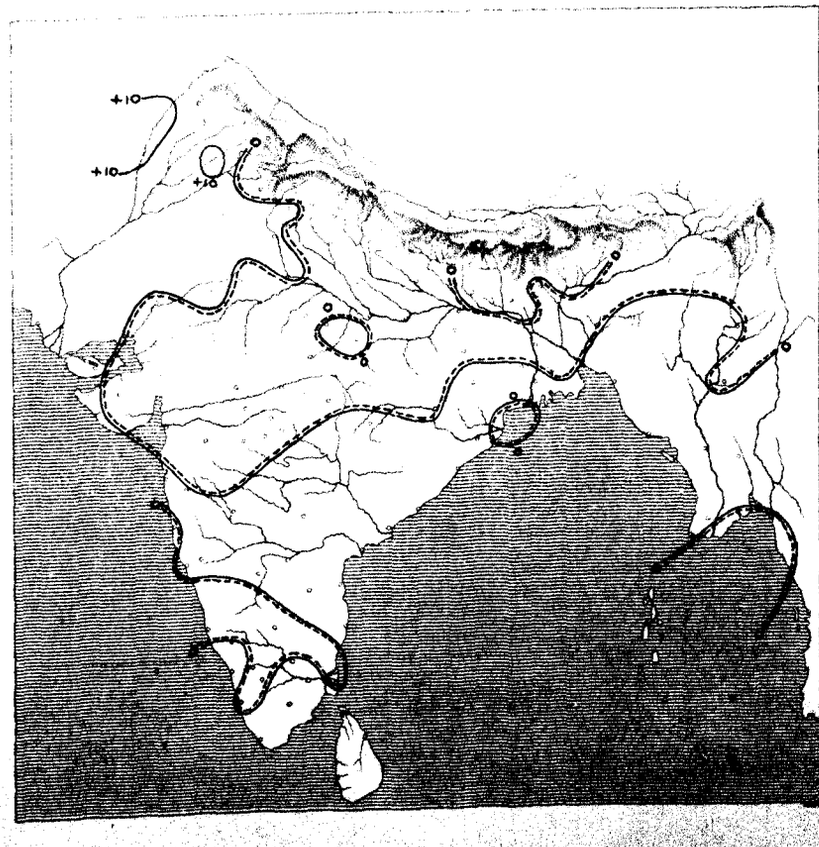
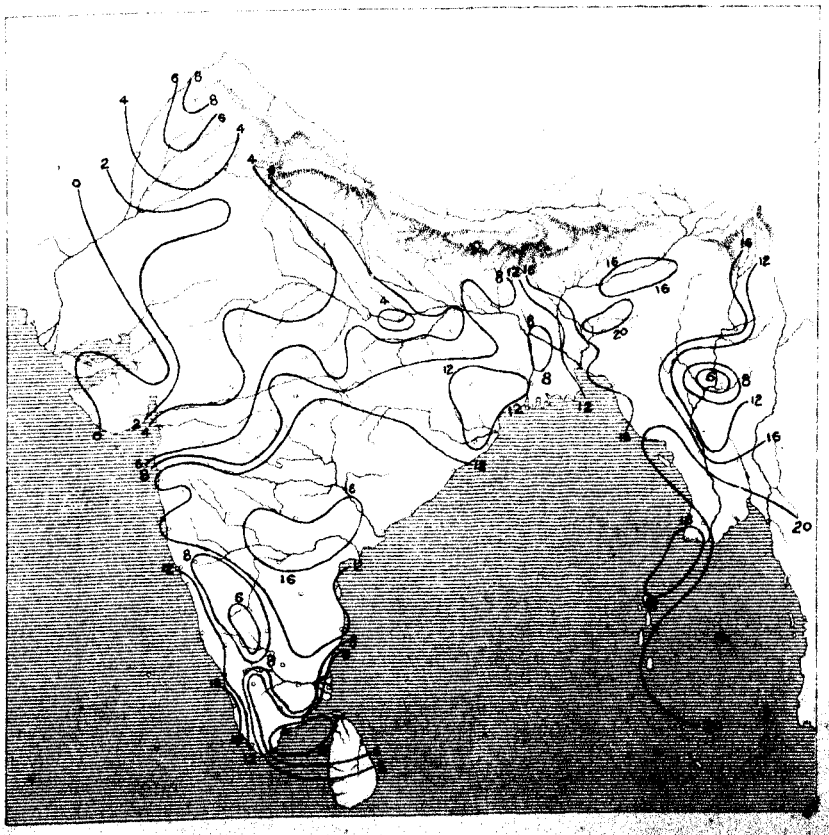
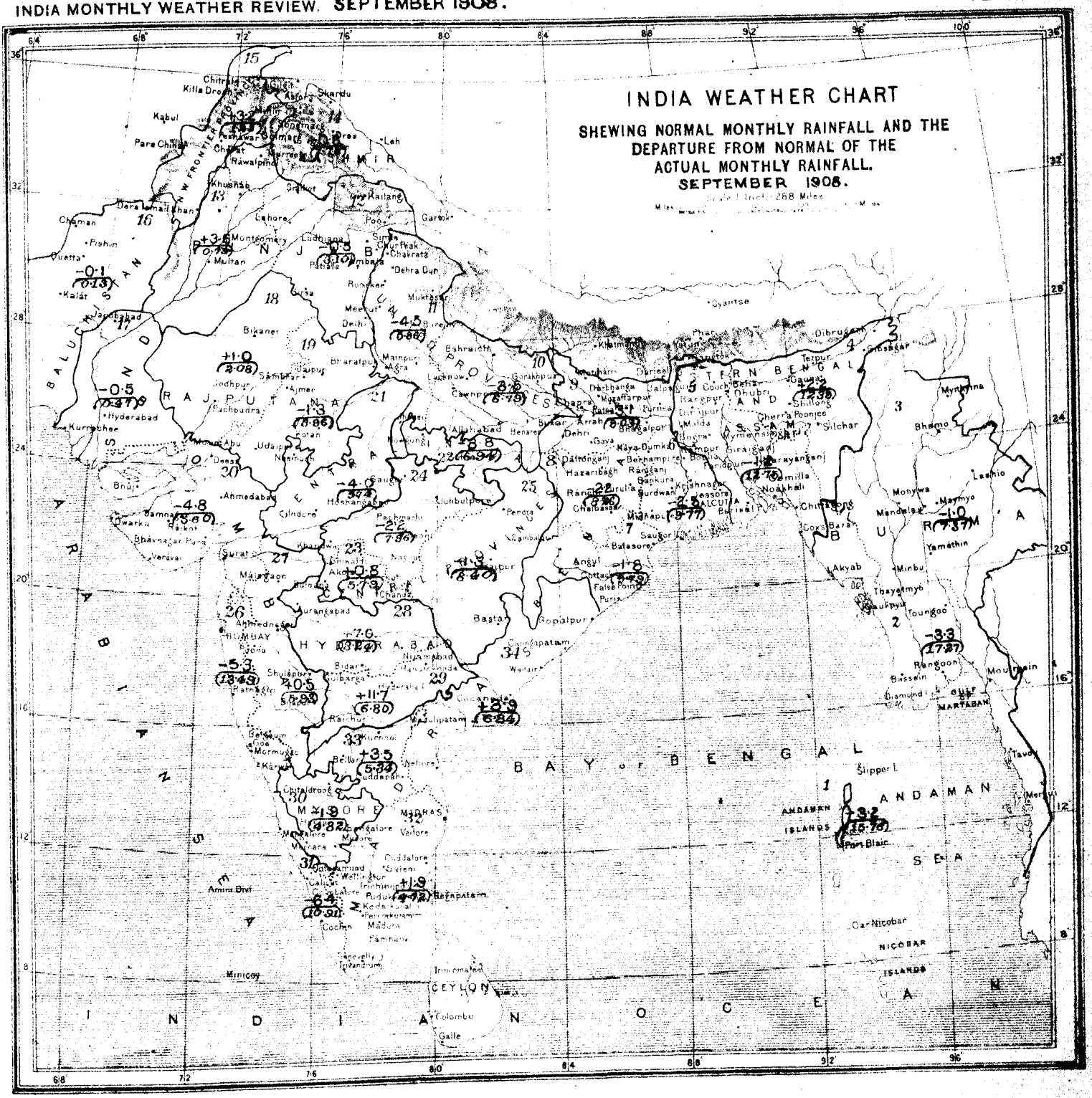


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF CLOUD
AMOUNT AT 8 HRS.

CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE
MONTH ON WHICH RAINFALL EQUALLED OR
EXCEEDED 0·10 INCH.
(BASED ON THE RETURNS OF TABLE B)





The country is divided into 34 areas as shewn in the list below. The numbers in that list correspond with the red numbers on the chart, and serve to identify the areas. The numbers in brackets on the chart give the average over the divisions of the normal monthly rainfall; the numbers above these give the departures from normal of the average actual rainfall over the divisions.

1. Bay Islands
2. Lower Burma
3. Upper Burma
4. Assam
5. Eastern Bengal
6. Bengal
7. Orissa
8. Chota Nagpur
9. Bihar
10. United Provinces, East
11. Do., West
12. Punjab, East and North
13. Do., Southwest
14. Kashmir
15. Northwest Frontier Province
16. Baluchistan
17. Sind
18. Rajputana, West
19. Rajputana, East
20. Gujarat
21. Central India, West
22. Do., East
23. Berar
24. Central Provinces, West
25. Do., East
26. Konkan
27. Bombay, Deccan
28. Hyderabad, North
29. Do., South
30. Mysore
31. Malabar
32. Madras, Southeast
33. Madras, Deccan
34. Madras Coast, North

Zinco, S. I. O., Calcutta.

Reg. No. 1838 E., 08.—Dir Genl., Observatories.—May 09—2,050.+5,000.

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GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

SIMLA, OCTOBER, 1908.

INTRODUCTION.

THIS review of the weather in India during the month of October, 1908, is based on observations taken daily at 8 hrs. at 236 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 36 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by the Provincial Governments up to the date of the preparation of the review, have been utilized. The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories. For a statement of the methods adopted in recording and tabulating the data, for each of the elements of observation, reference should be made to the introductory portion of the review for January.

Summary of the Chief features of the weather in India during the month of October, 1908.

2. A depression over the centre of the Punjab on the 1st gave precipitation in the North-West Frontier Province, Kashmir and the extreme northwest of the Punjab, but with its disappearance on the 2nd weather was dry for the rest of the month in northwest India.

The monsoon was giving rain over the east of the United Provinces, the Central Provinces, northeast India and Burma on the first of the month, but the area of rainfall soon contracted and was confined to northeast India, excluding the northwestern districts, and to Burma up to the 5th. Rainfall in Burma increased considerably under the influence of a depression in the north of the Bay and occurred in all parts of the province, extending on the 8th and 9th into the eastern districts of northeast India. With the disappearance of this depression the monsoon finally withdrew from northeast India. Wet weather conditions which lasted until the end of the month were initiated in the south of the peninsula on the 20th by the approach from the Andaman Sea of a cyclonic storm which crossed the extreme south of India and passed out into the Arabian Sea. Heavy rain fell during this period on the south Madras coast and light to moderate rain in the rest of south India.

Temperature was approximately normal in all parts of the country and the usual proportion of the sky was covered with cloud except in northeast India and Mysore where the amount of cloud was much less than usual. Humidity was in defect in Bengal, the United Provinces and the Central Provinces, but in northwest India it was in excess, owing to the excessive precipitation during the monsoon.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar observations.*—There were five days on which no observations were possible and on one other day prominences could not be observed. The prominence record was imperfect on eight other days.

Sunspots.—The spot activity was low and there were three days on which the sun was free from spots. There were only 15 new groups recorded during the month, with a daily average of 2·9 as against 21 new groups with a daily average of 5·0 in September: the average life of a spot was 3·8 days. There were only three large spots one of which was first seen in the previous month, and there was nothing

striking about these or any of the other spots of the month. The brightening of C and darkening of D_3 were observed on only one day in the month—the 1st. Spot No. 1540 was a return of 1526. Spots were nearly equally divided between the two hemispheres, the latitude distribution being as follows:—

	No. of spots.		Extreme latitudes.	Mean latitude.
	0°—10°	11°—20°		
North	6	2	13° and 5°	8°
South	4	3	19° and 2°	10°

Prominences.—42 prominences were recorded one minute or more in height and the highest, which was photographed in Ca on the 12th, reached a height of 6¼'. It formed one of a group of very tall and faint disconnected streaks extending over 35° of the northeast limb; they were photographed for the first time at 8h. 17m. Later photographs showed them as rapidly vanishing. At 8h. 57m. there was only one very faint streak 45″ high and there was nothing to be seen by 10h. 11m. There were two other eruptive prominences seen during the month, one 240″ high on the same day (the 12th) near the south pole and the other near the equator on the 3rd. Two metallic prominences were observed during the month and one showing a displacement in C of 2°A to red.

Magnetic disturbances.—There were "moderate" magnetic disturbances on October 5, 6, 12, 13, 14 and 31. On the 5th and 6th there were large spots on both sides of the central meridian.

C. MICHIE SMITH,

Director,

Kodaikanal and Madras Observatories.

BOMBAY OBSERVATORY.

Note on the Alibag magnetic record.

4. During the month of October the traces showed 13 calm days, 15 days of small and 3 days of moderate disturbance.

The days selected as quiet for the purposes of the Magnetic Survey of India are the 9th, 10th, 11th, 23rd and 25th.

The observed absolute values of the several magnetic elements reduced to the mean monthly tabulations of the magnetograms, as also the ranges and the summed ranges of the horizontal force and declination for the month are as follow :—

Easterly declination	1° 1′ 43″.	
Horizontal force	0. 36817	C. G. S. unit.
Vertical force	0. 15948	Ditto
Dip (calculated)	23° 24′·2.	
Dip (observed twice a week)	23° 23′·6.	
Horizontal force range	0·00051	C. G. S. unit.
Horizontal force summed range	0·00311	Ditto.
Declination range	2′·92	
Declination summed range	10·31.	

(NOTE.—Summed range means sum without regard to signs of 24 ordinates of diurnal inequality.)

The following table represents the magnetic character of each day of the month.

Day.	Character.	Day.	Character.	Day.	Character.	Day.	Character.
1	S.	9	C.	17	C.	25	C.
2	S.	10	C.	18	S.	26	S.
3	S.	11	C.	19	S.	27	S.
4	S	12	M.	20	C.	28	C.
5	M.	13	S.	21	C.	29	C.
6	S.	14	S.	22	C.	30	C.
7	S	15	S.	23	C.	31	M.
8	S.	16	S.	24	C.	...	...

C=calm, S=small, M=moderate, G.=great, V. G.=very great.

Seismic disturbances recorded at Colaba—Four seismic disturbances were recorded during the month on the 13th, 20th, 23rd and 24th.

List of seismic disturbances.

Date.	Commencement.	Max.	End.	Maximum displacement from mean position.	Duration.
October 1908.	H. M.	H. M.	H. M.	mm.	H. M.
13th	6 23·5	6 35·7	7 6·3	0·5	0 42·8
20th	3 1·3	3 14·4	3 31·4	0·5	0 30·1
23rd	20 20·7	20 24·8	20 32·5	0·6	0 11·8
24th	21 23·3	21 23·9	21 35·0	0·7	0 11·7

All times given above denote G. M. T.

N. A. F. MOOS, *Director,*

Bombay Observatory.

CALCUTTA OBSERVATORY.

5. List of displacements recorded by the Milne seismograph at the Alipore Observatory during October, 1908.

Date 1908.	P. T. Commencement. G. M. T.	L.W. Commencement. G. M. T.	Maximum. G. M. T.	End. G. M. T.	Duration.	Maximum displacement on trace from mean position.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
October 1st	9 37·0	...	9 38·0	9 42·1	0 5·1	0·75	
13th	5 47·1	6 24·8	6 26·8	7 12·6	1 25·5	3·50	
„	7 58·3	...	...	8 3·9	0 5·6	...	Thickening of the line.
14th	15 32 7	...	15 34·2	16 5·2	0 32·5	1·50	
20th	2 51·5	2 57·6	3 13·9	3 57·6	1 6·1	0·75	
„	5 52·4	5 54·5	6 5·6	6 25·5	0 33·1	1·00	
23rd	20 18·6	...	20 22·2	20 52·6	0 34·0	2·50	Sensibility throughout 1 mm. = 0·38″ of tilt.
24th	21 20·0	...	21 23·6	21 43 4	0 23·4	2 00	

C. W. PEAKE,

Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. List of earthquakes recorded by the Omori-Ewing seismograph.

Date 1908.	Commencement of 1st P. T. G. M. T.	Commencement of 2nd P. T. G. M. T.	Beginning of L. W. G. M. T.	Time of maximum amp litude G. M. T.	End approximately G. M. T.	Duration.	Maximum displacement of style.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
October 22nd.	...	...	23 31	...	23 32·5	0 1·5	...	Tremor.
23rd.	...	...	20 16·1	20 17·4	20 35·1	0 1·9	23	Sharp local.
24th.	...	...	21 18·9	21 20·3	22 39·1	0 20·2	20	Sharp local.
28th.	...	...	0 18·2	0 19	0 20·5	0 2·3	1	Local.
30th.	...	...	13 4	13 6	13 8	0 4	0·5	Do.

NOTE —*The magnification was 15 during the month.*

The following table contains a list of the earthquakes that have been reported :—

Place at which felt.	Date.	G. M. T. of earthquake.	Intensity.	Duration.	REMARKS.
		H. M.			
Kailang	12th	0 50	2	4 Sec. .	One shock.
Chaibassa . . .	16th	5 10	3	2 „ .	„ „
Sialkot	23rd	20 25	5	4 „ .	Three „
Ludhiana . . .	„	20 15	4	15 „ .	„ „
Lahore	„	20 15	3	3 „ .	...
Rawalpindi . . .	„	20 22	3	33 „ .	Three „
Murree	„	20 0	4	10 „ .	...
„	„	20 25	4	15 „ .	...
„	„	22 10	4	8 „ .	...
Peshawar . . .	„	20 15	4	40 „ .	One shock.
Chitral	„	20 22	6	15 „ .	Two „
Killa Drosh . . .	„	20 10	3	55 „ .	„ „
Gilgit	„	20 30	4	30 „ .	One „
Kailang	„	20 5	4	35 „ .	Two „
Skardu	„	20 20	4	3 „ .	Four slight.
Srinagar . . .	„	20 19	3	15 „ .	Three or four
Minimarg . . .	„	21 27	5	18 „ .	...
Khushab . . .	„	20 8	5	12 „ .	One shock.
Sialkot	24th	21 23	5	3 „ .	Four „
Ludhiana . . .	„	21 20	4	35 „ .	„ „
Lahore	„	21 20	4	40 „ .	...
Rawalpindi . . .	„	21 19	5	25 „ .	Three „
Nathiagali (North-West Frontier Province).	„	21 20	5	1 Min. .	...
Peshawar . . .	„	21 20	5	15 Sec. .	One shock.
Chitral	„	21 20	6	20 „ .	Three „
Skardu	„	21 23	4	3 „ .	Four „
Gilgit . . .	„	20 15	4	20 „ .	Three „
Killa Drosh . . .	„	21 15	6	35 „ .	Two „
Kailang	„	20 50	2	1½ Min. .	„ „
Srinagar . . .	„	21 25	3	12 Sec. .	...
Minimarg . . .	„	21 31	5	13 „ .	Two shock.
Multan . . .	„	21 16	3	30 „ .	...
Dera Ismail Khan .	„	21 20	4	15 „ .	Four shock.
Khushab . . .	„	21 20	5	20 „ .	„ „
Gilgit	26th	0 0	2	5 „ .	One „
Nathiagali . . .	30th	13 0	...	...	Two „
Chitral	„	13 0	3	12 „ .	„ „
Killa Drosh . . .	„	13 15	3	20 „ .	One „

Note.—The scale of intensity is as follows :—

1. Strong enough to be felt by persons at rest.
2. „ „ make doors and windows rattle.
3. „ „ „ hanging objects swing.
4. „ „ move the observer's seat.
5. „ „ throw down loose objects.
6. „ „ crack the walls of buildings.
7. „ „ cause greater damage (to be specified).

Solar Radaion.—The following figures give the intensity of solar radiation, as measured at Simla by Angstrom's pyrholiometer. The values are corrected to local noon, and expressed in grammacalories per square centimetre per minute.

Maximum	1·45
Minimum	1·38
Mean	1·42
*Number of days of observation...	8*

* Observations were possible during the first half of the month only ; on the 15th the observatory was dismantled for removal to other quarters.

J. PATTERSON,
Imperial Meteorologist, Simla.

Royal Alfred Observatory, Mauritius.

7. *Solar observations.*—Observations were taken on every day except the 1st to 5th, 8th, 10th, 11th, 13th, 23rd and 25th. Sunspots, singly and in groups, were seen only on 13 days, and faculæ were visible on each day of observation.

Magnetic disturbances.

Days.	Time.	Disturbance.
5th	12h. to 14½h.	Small rapid fluctuations in H. F. with decrease (43) from 13h. 46m. to 54m: 21h. to 22½h. wave in H. F. (+20): 23h. 35m. to 48m. sharp increase in H. F. (30).
6th	2h. to 5½h.	Wave in H. F. (+24) occasional small undulations in decl.
12th to 13th	18h. to 2h.	Wave in H. F. (-64).
17th to 19th	18h. to 2h.	Frequent small fluctuations in H. F. with waves 18th 3h. to 4h. (+10): 18th 23½h. to 19th ½h. (—16).
31st	10h. 20m.	Sharp increase in H F. (17) followed till 15h. by an irregular decrease (72). 14h. to 16h. wave in decl. (+21).
31st to November 1st.	16h. to 6h.	H. F. and decl registers defective.

T. F. CLAXTON,
Director.

Weather in the Indian monsoon region.

8. In the south of the Indian Ocean as represented by Mauritius pressure was low, rainfall short of the average and the air movement almost normal in character. In the subsequatorial region the conditions were rather variable, the only abnormality common to the whole region being the lowness of wind velocity. Rainfall was in defect at Zanzibar on the African coast, and in slight excess at the Seychelles where the prevailing direction of wind was S 32°W the normal being S 39°E.

	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	—·044	—·025	—·002
Actual mean wind direction . .	S 83°E	S 16°E	S 32°W
Normal mean wind direction . .	S 78°E	S 6°E	S 39°E
Actual mean wind velocity (miles per diem).	238	101	120
Normal mean wind velocity ditto .	264	179	191
Rainfall departure from normal . .	—0·55	—1·24	+0·66

Depressions and cyclonic storms.

9. A depression began to form in the north of the Bay on the 6th on which date rain was falling over the greater part of Burma and the coast districts of Eastern Bengal: it developed during the next day and at 8 hrs. on the 8th it was moving towards the northeast angle of the Bay, by which time rainfall had extended over the whole of Burma and into Assam. The depression crossed the coast in the course of the day and continued to give good rain in Burma, the coast districts of Eastern Bengal and Assam until the 10th when all trace of it disappeared.

The most important depression of the month was entering the Andaman Sea on the 14th and was very ill defined up to the 16th when it was approaching the Andaman Islands. The depression gave very little rain in Burma but developed into a cyclonic storm which travelled across the south of the Bay, passing over the north of Ceylon and the extreme south of India, into the Arabian Sea on the 23rd. The mail steamer Arcadia encountered it on the 27th and 28th her observations showing its centre to be in the middle of the Arabian Sea. When it was in the vicinity of south India it gave very heavy rain on the south Madras coast and moderately heavy rain in the rest of south India. Pressure remained low over the south of the Bay during the rest of the month and rainfall continued in south India throughout this period.

Pressure.

10. On the mean of the whole of India pressure was in defect. The deficiency of pressure was greatest in a belt extending from the North-West Frontier Province along the base of the Himalayas into northeast India and Burma, while Gujarat and the Sind coasts were the only areas where an excess, though very small, was shown. The change from the monsoon type of pressure to that of the cold weather type was thus not as far advanced as usual in October although the monsoon itself had withdrawn except in the south of the peninsula and Burma. The departures from normal of pressure at the hill stations were similar to those at the neighbouring plains stations and the vertical gradients were thus approximately normal.

The following tables give the horizontal and vertical distribution of pressure.

Division	Departure from normal of mean 8 h. pressure.
	"
Burma	—·026
Eastern Bengal and Assam	—·033
Bengal	—·025
United Provinces	—·027
Punjab	—·021
North-West Frontier Province	—·031
Sind	—.008
Rajputana	—·006
Bombay	—·001
Central India	—·007
Central Provinces	—·002
Hyderabad	—·004
Mysore	— 006
Madras	—·011

Hill station.	Departure from normal pressure. A	Plain station.	Departure from normal pressure. B	Departure of pressure difference. B—A.
	"		"	"
Quetta	—·009	Jacobabad	—·019	—·010
Leh	—·017	Lahore	—·033	—·016
Murree	—·021	Peshawar	—·034	—·013
Simla	—·025	Ludhiana	—·025	0
Chakrata	—·008	Roorkee	—·028	—·020
Darjeeling	—·033	Dhubri	—·038	—·005
Mount Abu	—·026	Deesa	+·003	+·029
Pachmarhi	+·002	Khandwa	+·005	+·006

Temperature.

11. The low maximum temperatures which prevailed over the North-West Frontier Province and the adjacent districts of the Punjab in September continued though to a less extent throughout October. Maximum temperature was also in defect in central Rajputana and on the Sind coast. On the other hand in the United Provinces, Bihar, Bengal and the adjacent districts of Eastern Bengal, regions where skies were comparatively free from cloud, the maximum was in marked excess; it was also in excess in the west of the Central Provinces and in a narrow belt extending from Sholapur and Bijapur southward through Mysore, but in all other parts of the country maximum temperature was normal. As regards the minimum however it was in considerable defect in Bihar and the adjacent districts to the east and west and also in central Rajputana, but in the remainder of India it was normal.

Division.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Burma	—0·4	+0·5	+0·1
Eastern Bengal and Assam	+1·2	—1·0	+0·1
Bengal	+1·9	—1·8	+0·1
United Provinces	+1·9	—2·0	0
Punjab	—1·5	+0·3	—0·6
North-West Frontier Province.	—3·5	+1·2	—1·2
Sind	—0·7	+0·5	—0·1
Rajputana	—1·9	—0·9	—1·5
Bombay	+0·6	+1·1	+0·8
Central India	+1·2	—0·9	+0·1
Central Provinces	+1·8	—1·0	+0·4
Hyderabad	+0·4	—0·3	0
Mysore	+2·2	+0·3	+1·3
Madras	+0·7	+0·3	+0·5

Rainfall.

14. On the 1st a shallow depression was shown over the centre of the Punjab and it caused light precipitation in the North-West Frontier Province, the Rawalpindi district of the Punjab and in Kashmir; on the higher ranges in Kashmir snow fell at as low an elevation as 8,500 feet. The depression had disappeared by the morning of the 2nd and this was the only occasion on which any precipitation of importance occurred in northwest India, but it was sufficient to make the month's rainfall in excess in the North-West Frontier Province and normal in Kashmir.

The monsoon was giving light and scattered falls of rain over northeast India, the east of the United Provinces and in the Central Provinces on the 1st, but by the 3rd the area had contracted considerably and rainfall for the next few days was confined to Burma and northeast India excluding the north western districts; on the 3rd the falls were moderate to heavy in northeast India, but owing to the development of an area of low pressure in the Bay rainfall had almost ceased in northeast India by the 7th. Good rain, however, continued to fall in Burma and it became heavier and more general as the depression developed and moved towards the Chittagong hills. With the disappearance of this depression on the 10th rainfall almost ceased and weather was generally dry up to the 20th by which date the cyclonic storm which crossed the south of the Bay began to affect south India and on the 21st rainfall had become widespread in this region. The storm initiated a period of wet weather in southeast Madras which lasted with a brief respite until the end of the month, and very heavy rain fell on the south Madras coast.

The monsoon had withdrawn much farther south than usual by the end of October and rainfall was almost entirely confined to Burma, northeast India and south India, but it was only in Lower Burma and southeast Madras that the rainfall was above the normal, in the last area the excess being over 50 per cent.

Division.	Rainfall. Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	5·64	5·63	+0·01	0
Eastern Bengal and Assam	3·07	5·09	—2·02	—40
Bengal	1·08	3·53	—2·45	—69
United Provinces	0·20	1·31	—1·11	—85
Punjab	0·04	0·22	—0·18	—82
North-West Frontier Province	0·40	0·27	+0·13	+48
Sind	0	0·02	—0·02	—100
Rajputana	0·01	0·16	—0·15	—94
Bombay	0·58	2·84	—2·26	—80
Central India	0·18	0·94	—0·76	—81
Central Provinces	0·25	1·76	—1·51	—86
Hyderabad	0·10	2·80	—2·70	—96
Mysore	2·66	5·50	—2·84	—52
Madras	7·50	7·11	+0·39	+5
Mean of India when the size of the above areas is taken into account.	1·85	2·92	—1·07	—37

Sub-division.	Number of rainy days. Actual.	Normal.	Rainfall. Actual.	Nomal.	Departure from normal.	Percentage departure.
			"	"	"	
1. Bay Islands	13·5	14·2	6·25	8·94	—2·69	—30
2. Lower Burma	11·0	9·6	8·40	6·98	+1·42	+20
3. Upper Burma	5·2	6·2	3·28	4·47	—1·19	—27
4. Assam	5·7	6·2	4·01	5·08	—1·07	—21
5. Eastern Bengal.	2·7	5·0	2·11	5·10	—2·99	—59
6. Bengal	1·5	4·6	0·98	3·87	—2·94	—76
7. Orissa	2·7	5·9	1·91	5·37	—3·46	—64
8. Chota Nagpur	1·3	3·7	1·08	2·77	—1·69	—61
9. Bihar	1·0	2·8	0·85	2·59	—1·74	—67
10. United Provinces, East.	0·6	1·6	0·38	1·87	—1·49	—80
11. United Provinces, West.	0	0·7	0·01	0·68	—0·67	—99
12. Punjab, East and North.	0·1	0·5	0·05	0·26	—0·21	—81
13. Punjab, South-west.	0	0·1	0	0·06	—0·06	—100
14. Kashmir	1·0	1·5	0·58	0·69	—0·11	—16
15. North-West Frontier Province.	0·6	0·6	0·40	0·27	+0·13	+48
16. Baluchistan	0	0·2	0	0·06	—0·06	—100
17. Sind	0	0	0	0·02	—0·02	—100
18. Rajputana, West.	0	0·1	0·01	0·07	—0·06	—86
19. Rajputana, East.	0	0·3	0·01	0·19	—0·18	—95
20. Gujarat	0·1	1·1	0·04	0·83	—0·79	—95
21. Central India, West.	0	0·9	0	0·61	—0·61	—100
22. Central India, East.	0·6	1·7	0·55	1·58	—1·03	—65
23. Berar	0·1	2·3	0·01	1·71	—1·70	—99
24. Central Provinces, West.	0·5	2·3	0·35	1·70	—1·35	—79
25. Central Provinces, East.	0·7	2·7	0·51	1·95	—1·44	—74
26. Konkan	2·3	6·1	1·09	4·49	—3·40	—76
27. Bombay Deccan.	1·6	5·1	0·74	3·53	—2·79	—79
28. Hyderabad, North.	0	3·7	0.01	2·60	—2·59	—100
29. Hyderabad, South.	0·7	4·6	0·18	2·98	—2·80	—94
30. Mysore	6·0	8·1	2·66	5·50	—2·84	—52
31. Malabar	8·7	12·0	6·21	9·76	—3·55	—36
32. Madras, South-east.	11·2	8·8	10·91	7·19	+3·72	+52
33. Madras, Deccan.	3·7	6·4	2·49	4·68	—2·19	—47
34. Madras Coast, North.	4·8	7·3	4·65	7·24	—2·59	—36

Snowfall.

15. (*a*) That there were slight falls on the higher peaks of the Sufed Koh on the 1st and the 15th of the month is the only information available at present regarding the Afghan mountains.

(*b*) In Kashmir there were occasional snowstorms down to very low levels: at Sonemarg a total of about 1 foot of snow was measured on the 1st and 2nd. At the end of the month the accumulated snow was about 2 feet in depth on the Zoji-la and a few inches on the Hungsathu.

(*c*) There were a few light falls of snow in the Punjab Himalayas. The lowest level reached in the Simla hills was about 9,300 feet. All the well-known passes near Kilba remained open.

(*d*) Snow fell on three days in Garhwal but the falls were not heavy and were confined to the higher peaks in the north. In Almora snowstorms were of occasional occurrence. The total fall amounted to about 6 feet on the Nuwe pass, 4½' in Byans, 3 feet in Chaudas and 7 inches in Malla Danpur. The snowline came down to the foot of the hills and a good deal of fresh snow lay as low as 11,000 feet at the close of the month. The depth of accumulated snow on the Nuwe and Binkaru passes was 24 and 13 feet, 3 and 2 feet more than the respective normal amounts.

Crop Report.

16. *Burma.*—Hillside and early autumn rice were being reaped. The state of standing crops and their prospects were good in Lower Burma and fair in Upper Burma.

Eastern Bengal and Assam.—Rain was greatly needed in Eastern Bengal for germination of spring crops. Prospects of transplanted winter rice on high lands were unfavourable in most districts, but the condition of rice on low lands was generally good.

Bengal.—Spring sowings were retarded for want of moisture and rain was urgently needed both for paddy and spring crops. The harvesting of autumn crops was completed.

United Provinces.—Rain was badly wanted in some districts for late rice and for spring sowings, and standing crops had suffered from drought in a few places but were generally in good condition. Malarial fever was retarding agricultural operations.

Punjab.—Autumn crops were being harvested and the condition and expected yield of standing crops were generally good to average. Sowings were timely and promised to be extensive.

North-West Frontier Province.—The autumn crops were in good condition and an average outturn was expected. Spring sowings and the harvesting of autumn crops were in progress.

Jammu and Kashmir.—The condition of standing crops was good to average. Spring sowings were in progress.

Rajputana.—Autumn crops were being harvested and spring sowings were in progress. Prospects of spring crops were favourable.

Central India.—Harvesting of autumn crops and spring sowings were being carried on, but the latter had been greatly restricted in Gwalior by the untimely cessation of the rains.

Central Provinces.—Standing crops were generally in good condition but more rain would have much improved them. Germination of spring crops was good except in Harand in the Nimar district.

Bombay.—Harvesting was generally in progress. Crops were in good condition except in parts of the presidency where they had been injured by insects, rats, rust and want of moisture.

Hyderabad.—Autumn crops were being harvested and the cotton crop was generally in fair to good condition. Prospects were good.

Mysore.—Standing crops were improved by rain but more rain was wanted in all parts of the State.

Coorg.—The picking of cardamoms was in progress. Coffee was ripening.

Madras.—Standing crops were generally in fair condition but in parts they required more rain and in others they were submerged. Crops were being harvested with poor to normal outturn.

J. PATTERSON.

Table A. Abstract of observations taken at 10 hrs. and 16 hrs., at 36 Stations in India, etc., in October 1908.

Table

Abstract of observations taken at 10 hrs. and 16 hrs.

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	I.—Burma.																					
2	Rangoon . .	36	29·885	29·761	·124	29·827	—·025	29·800	88·0	76·9	11·1	92·6	74·2	18·4	84·5	84·8	80·8	+0·8	75·4	78·4	77·6	77·1
	III.—Bengal.																					
6	Calcutta . .	21	·874	·766	·108	·816	—·024	·762	89·3	73·5	15·8	92·1	63·5	28·6	85·3	86·6	81·0	+1·0	71·4	76·2	75·2	74·2
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad . .	309	·590	·477	·113	·527	—·029	·788	93·8	65·4	28·4	96·1	55·8	40·3	84·7	92·0	73·1	+0·5	61·1	67·8	67·1	65·4
11	Dehra Dun . .	2,233	27·653	27·574	·082	27·605	—·047	·789	85·4	59·9	25·5	89·4	53·5	35·9	77·1	81·3	71·9	+1·2	54·3	62·4	63·8	60·2
	V.—Punjab.																					
13	Lahore . . .	702	29·171	29·081	·090	29·115	—·034	·783	92·5	60·4	32·1	95·6	50·1	45·5	81·4	90·9	75·1	—0·6	57·5	67·8	71·1	65·5
	VIII.—Rajputana.																					
19	Jaipur . . .	1,431	28·498	28·400	·098	28·443	—·016	·829	93·7	64·5	29·2	97·3	56·0	41·3	86·0	91·3	79·1	+1·2	56·4	66·2	66·5	63·0
	Udaipur . .	1,925?	·026	27·923	·103	27·970	...	·823	90·3	62·3	28·0	92·7	56·4	36·3	84·3	88·7	76·2	...	57·6	66·0	67·8	63·8
	IX.—Bombay.																					
26	Bombay . .	37	29·898	29·791	·107	29·842	—·005	·819	88·3	77·4	10·9	93·1	72·8	20·3	82·6	84·2	81·6	+0·9	74·3	77·1	78·0	76·5
	XI.—Central Provinces.																					
24	Nagpur . .	1,017	28·907	28·785	·122	28·847	+·004	·818	91·3	66·6	24·7	93·6	58·6	35·0	83·2	89·0	78·1	—0·3	61·8	71·6	68·7	67·4
	XII.—Hyderabad.																					
29	Hyderabad . .	1,690	·218	·142	·076	·182	+·006	·810	87·7	68·3	19·4	90·8	64·7	26·1	81·1	83·9	76·9	+0·1	65·0	69·8	68·9	67·9
	XIII.—Mysore.																					
30	Bangalore . .	3,021	26·946	26·827	·119	26·888	—·019	·785	83·7	65·6	18·1	89·3	62·4	26·9	76·9	80·0	73·1	+1·3	63·4	68·9	67·7	66·7
	Mysore . . .	2,518	27·435	27·304	·131	27·371	—·023	·787	85·9	67·1	18·8	91·2	63·4	27·8	79·0	83·1	75·0	+0·9	65·6	69·5	69·2	68·1
	XIV.—Madras.																					
33	Periyakulam. .	944	28·965	28·838	·127	28·902	...	·779	89·2	71·4	17·8	97·1	68·3	28·8	82·6	83·7	80·3	...	68·2	72·6	72·3	71·0
	Pudukkottai . .	318	29·594	29·463	·131	29·539	...	·777	90·0	73·8	16·2	99·1	70·0	29·1	83·6	86·6	82·0	...	72·2	75·5	75·1	74·3
	Madras . .	22	·887	·776	·111	·837	—·008	·790	89·4	74·7	14·7	96·6	70·1	26·5	85·1	84·5	80·7	—0·1	73·8	79·2	78·4	77·1
	Station in the Bay.																					
1	Port Blair . .	68	·861	·758	·103	·812	—·006	·799	85·7	76·3	9·4	88·0	72·6	15·4	82·7	82·9	79·7	—1·1	74·1	77·7	77·4	76·4
	Kashmir.																					
14	rinagar . .	5,204	24·971	24·865	·106	24·916	—·019	24·887	69·1	40·5	28·6	73·7	31·5	42·2	56·0	67·4	53·2	0	38·3	52·3	51·0	50·5
.	Leh . . .	11,503	19·764	19·650	·114	19·708	—·025	19·676	56·9	29·7	27·2	65·6	22·0	43·6	46·9	53·5	41·7	—1·0	25·0	33·9	37·2	32·0

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 2,200 feet.

A.

at 36 stations in India, etc., in October, 1908.

Vapour Tension in inches of mercury.					Humidity.					Cloud.				Wind direction. Total number of 10 hrs. and 16 hrs. winds from										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of sub-divisions.
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%						
																															I.—Burma.	
·866	·893	·854	·887	—·018	93	75	72	85	−4	6·6	6·0	6·3	+0·4	...	1	12	6	2	28	5	4	4	S15°E	S36°E	34	50	39*	70	4·20	0·83	Rangoon . .	3
																															III.—Bengal.	
·748	·787	·726	·774	—·042	90	64	58	74	−8	2·8	3·3	3·1	−1·5	4	9	4	2	2	3	19	4	15	N78°W	N18°W	35	31	64	67	1·94	0·82	Calcutta . .	6
																															IV.—United Provinces of Agra and Oudh.	
·492	·463	·338	·432	—·185	74	39	26	49	−17	0·7	0·8	0·8	−1·4	7	1	...	1	...	...	3	40	10	N83°W	N48°W	78	59	75*	74	0·40	0·35	Allahabad . .	10
·362	·385	·382	·379	—·072	69	41	35	53	−13	0·4	0·4	0·4	−0·9	17	2	4	4	3	18	6	8	...	S9°W	N42°W	32	19	25	31	0	0	Dehra Dun .	11
																															V.—Punjab.	
·441	·503	·499	·488	+·043	83	46	34	59	+7	0	0	0	−0·8	15	6	3	2	4	2	1	19	10	N64°W	N9°W	35	11	34*	38	0·06	0·06	Lahore . .	13
																															VIII.—Rajputana.	
·362	·401	·338	·372	—·030	58	32	23	42	−4	0·6	2·2	1·4	−0·3	4	6	4	5	1	1	3	13	25	N47°W	N27°W	53	38	84	74	0	0	Jaipur . .	19
·426	·419	·425	·436	...	74	35	31	51	...	0·8	1·9	1·4	...	13	...	2	12	1	1	7	17	9	N86°W	...	23	...	54*	...	0·03	0·03	Udaipur . .	
																															IX.—Bombay.	
·807	·864	·883	·864	+·012	86	77	75	81	0	3·5	2·7	3·1	0	...	4	8	10	3	2	...	7	23	N20°W	N9°E	43	32	177	218	0·62	0·35	Bombay . .	26
																															XI.—Central Provinces.	
·499	·537	·455	·499	—·071	75	47	33	55	−6	2·0	3·5	2·8	−0·9	5	18	19	5	...	1	3	6	5	N12°E	N39°E	52	50	55*	94	0·01	0·01	Nagpur . .	24
																															XII.—Hyderabad.	
·581	·581	·516	·568	—·066	84	56	45	66	−3	6·3	7·3	6·8	+2·6	20	1	7	17	6	...	2	3	6	N76°E	S81°E	20	32	60*	94	0·13	0·08	Hyderabad .	20
																															XIII.—Mysore.	
·565	·614	·539	·587	—·021	89	67	55	73	−5	5·3	6·8	6·1	...	1	7	17	11	2	5	4	6	9	N29°E	N	31	8	142*	113	2·32	0·70	Bangalore . .	30
·615	·603	·541	·600	—·028	92	62	50	71	−4	5·9	6·9	6·4	−0·9	...	7	13	13	7	1	8	10	3	N56°E	N63°E	19	12	175*	175	3·29	1·10	Mysore . .	
																															XIV.—Madras.	
·647	·670	·672	·652	...	84	61	57	67	...	3·6	7·4	5·5	...	21	9	1	7	...	19	3	2	...	S18°E	...	19	...	51*	...	8·80	1·71	Periyakulam .	31
(a) ·767	·776	·751	·765	...	(a) 91	68	63	74	...	6·4	7·3	6·9	...	2	10	11	...	7	2	14	8	8	N59°W	...	21	...	169*	...	8·46	3·18	Pudukkottai .	
·826	·920	·890	·893	+·037	96	77	76	85	+2	4·5	5·6	5·1	−0·9	...	11	6	13	9	1	12	8	2	N35°E	N54°E	9	20	95	115	24·53	6·58	Madras . .	
																															Station in the Bay.	
·815	·888	·874	·872	—·055	90	79	79	84	−4	7·3	7·8	7·6	+1·2	7	...	3	8	13	4	9	13	5	S15°W	S1°W	23	26	156*	151	6·72	1·32	Port Blair . .	1
																															Kashmir.	
·212	·355	·474	·302	0	82	78	69	76‡	−6	1·2	2·1	1·7	−1·0	26	9	3	...	4	5	2	1	13	N35°W	N23°W	21	18	59*	72	1·74	0·89	Srinagar . .	14
·098	·086	·086	·088	—·016	60	28	21	36	−6	1·9	2·9	2·4	−1·6	...	...	...	1	...	8	14	38	1	S70°W	S60°W	82	45	64	48	0	0	Leh . . .	

(a) Mean of 29 days.

* Corrected.

‡ Mean of three previous columns.

Table

Abstract of observations taken at 10 hrs. and 16 hrs.

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to S. L. and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Baluchistan.																					
16	Quetta . . .	5,502	24·727	24·657	·070	24·683	—·006	24·643	75·3	31·6	43·7	84·2	24·0	60·2	65·8	71·5	53·5	—3·0	...	46·9	49·1	...
	Hill Stations excluding Kashmir and Baluchistan.																					
	Simla . . .	7,224	23·170	23·122	·048	23·137	—·032	23·099	63·2	51·1	12·1	67·5	46·1	21·4	58·2	59·6	57·2	+0·5	41·9	46·7	48·1	45·6
	Sarain . . .	...	·206	·156	·050	·173	...	...	64·8	41·5	23·3	70·0	34·3	35·7	58·3	60·0	53·2	...	...	45·9	48·2	...
	Kalabagh . .	...	29·180	29·145	·035	29·154	...	...	49·5	37·0	12·5	57·1	31·1	26·0	45·1	45·2	43·2	...	...	36·3	37·7	...
	Chakrata . .	7,022	23·341	23·295	·046	23·312	—·023	23·273	71·8	50·9	20·9	75·5	44·2	31·3	63·4	62·2	61·4	+2·8	44·1	50·8	51·2	48·7
	Muktesar . .	7,556	22·892	22·829	·063	22·852	...	22·810	67·6	49·2	18·4	72·1	42·4	29·7	60·5	62·8	58·5	...	40·4	48·6	52·0	47·0
	Katmandu . .	4,388	25·677	25·575	·102	25·623	—·014†	25·577	79·0	53·8	25·2	83·3	47·7	35·6	68·0	75·8	66·5	—0·4†	52·2	61·8	63·8	59·3
	Darjeeling . .	7,376	23·057	22·995	·062	23·023	—·045	22·978	62·7	49·6	13·1	68·3	42·5	25·8	59·1	60·5	56·2 (a)	+1·0	47·1	55·7	57·6	53·5
	Pachmarhi . .	3,528	26·505 (b)	26·422 (c)	·083	26·458	—·007	26·405 (d)	79·6 (b)	(a) 58·6 (b)	21·0	81·4	52·6	28·8	73·4 (b)	77·9 (a)	69·1 (d)	+0·2	53·8 (b)	61·3 (b)	62·1 (c)	59·1
	Mount Abu . .	3,945	·102	·032	·070	·061	—·029	·007	77·5	64·4	13·1	80·0	60·8	19·2	73·5	75·7	71·0	—0·6	52·5	57·8	58·7	56·3
	Chikalda . .	3,642	·302	·299	·093	·340	—·010	·284	80·8	63·9	16·9	83·9	61·6	22·3	75·4	78·6	72·4	+1·2	57·2	62·9	61·7	61·6
	Ootacamund . .	7,322	23·048	22·957	·091	23·001	...	22·936	62·9	50·2	12·7	66·3	45·7	20·6	60·5	59·3	56·6	...	49·4	56·1	56·1	53·9
	Kodaikanal . .	7,698	22·827	·748	·079	22·788	...	·723	60·8	51·6	9·2	64·6	50·0	14·6	58·2	56·7	56·2	...	50·1 (f)	55·1	54·5	53·2
	Dodabetta . .	8,539?	22·063	22·004	·059	22·032	...	21·968	57·1	48·7	8·4	61·0	46·5	14·5	51·5	54·6	52·9	...	47·8	51·7	52·1	50·5
	Extra India.																					
	Minicoy . .	7	29·958	29·857	·101	29·913	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Zanzibar . .	72	·997	·878	·119	·943	—·025	29·942	83·6	75·2	8·4	87·0	72·8	14·2	80·1	82·9	77·8	+0·1	71·0	74·7	74·6	73·4
	Diego Garcia . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Seychelles . .	15	·988	·895	·093	·953	—·002†	·892	82·7	76·1	6·6	85·1	72·9	12·2	80·6	81·7	78·0	+0·3†	70·7	75·1	75·4	73·7
	Mauritius . .	181	...	...	...	·909	—·044	30·038	...	...	...	82·9	57·6	25·3	...	...	72·4	+0·3	...	...	...	66·5

N. B.—Elevations in italics indicate barometric determinations.

NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

(a) Mean of 30 days.
(b) Mean of 22 ,,
(c) ,, ,, 23 ,,
(d) ,, ,, 21 ,,
(e) ,, ,, 20 ,,
(f) ,, ,, 26 ,,
(†) Departures from old normals.

A—*concld.*

at 36 stations in India, etc., in October, 1908—concld.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction. Total number of 10 hrs. and 16 hrs. winds from.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of rain-gauge.
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																									%	%					**Baluchistan.**	
...	·128	·119	...	...	...	21	15	...	...	0	0	0	−6	17	8	...	...	2	1	...	14	20	N54°W	N60°W	53	42	56*	46	0	0	Quetta . .	16
																															Hill Stations excluding Kashmir and Baluchistan.	
·174	·203	·210	·197	−·039	45	41	42	44	−9	0·7	1·4	1·1	−0·3	10	32	2	...	1	11	1	1	4	N6°W	N24°W	39	16	122*	108	0	0	Simla . .	
...	·169	·219	...	...	...	38	42	...	...	0·7	2·5	1·6	...	11	...	9	5	2	12	19	3	1	S13°W	...	32	...	78*	...	0	0	Sarain . .	
...	·144	·107	...	...	...	47	54	...	...	1·1	3·3	2·2	...	30	16	6	...	...	4	...	...	6	N	...	32	...	141*	...	0·09‡	0·03	Kalabagh . .	
·223	·244	·267	·243	−·036	59	42	47	50	−10	0·4	1·0	0·7	−1·0	12	4	1	...	5	40	...	...	...	S6°E	S51°W	63	32	112*	149	0	0	Chakrata . .	
·163	·222	·282	·220	...	46	42	49	47	...	1·1	2·4	1·8	...	31	...	...	...	1	1	2	26	1	S85°W	...	45	...	69*	...	0·05	0·05	Muktesar . .	
·376	·389	·453	·437	−·039	89	71	51	71	−4	1·0	1·9	1·5	−2·5	4	...	2	19	1	...	1	34	1	N87°W	S86°W	23	34	17	16	1·02	0·94	Katmandu .	
·301 (a)	·412	·451	·386	+·016	84 (a)	82	85	85	0	5·3	6·0	5·7	−0·3	5	...	9	...	7	...	12	3	26	N59°W	S88°W	35	15	65*	79	0·91	0·59	Darjeeling .	
·305 (b)	·407 (b)	·380 (c)	·385	−·044	73 (b)	50 (b)	40 (c)	57	−5	0·1 (d)	0·2 (c)	0·2	−3·2	15	3	13	5	...	...	2	8	16	N16°W	N30°E	37	28	64* § (e)	77	0·11	0·11	Pachmarhi .	
·242	·298	·302	·287	−·040	44	36	34	41	−5	0·3	1·4	1·1	−0·7	2	5	3	3	2	...	11	10	7	N80°W	N46°W	38	13	145*	118	0	0	Mount Abu ‖ .	
·396	·432	·452	·428	−·030	66	50	46	57	−6	5·0	5·2	5·1	+1·7	...	4	1	...	1	1	12	...	43	N57°W	N3°E	72	40	171*	146	0·05	0·05	Chikalda .	
·319	·408	·421	·368	...	95	77	83	85	...	6·4	8·5	7·5	...	4	4	21	17	8	4	1	2	1	N75°E	...	56	...	101*	...	9·12	1·54	Ootacamund .	
·350 (f)	·406	·406	·387	...	91 (f)	84	88	88	...	7·6	8·6	8·1	...	...	22	10	5	8	6	...	3	8	N21°E	...	40	...	263	...	16·42	2·12	Kodaikanal .	
·323	·325	·336	·323	...	93	83	86	87	...	8·1	9·0	8·6	...	...	20	17	10	8	1	...	1	5	N39°E	...	52	...	384	...	8·69	1·69	Dodabetta .	
																															Extra India.	
...	...	...	...	...	...	...	...	...	...	4·2	4·2	4·2	...	...	11	...	2	...	3	4	13	28	N53°W	...	68	...	124*	...	9·89	4·36	Minicoy . .	
·707	·789	·749	·702	−·019	81	77	67	81	−2	6·5	4·0	5·3	+0·2	3	4	6	11	9	8	14	7	...	S16°E	S6°E	27	47	101*	120	2·58	1·49	Zanzibar . .	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Diego Garcia .	
·682	·804	·800	·775	−·019	76	76	73	77	−4	5·4	5·9	5·7	−0·5†	10	1	2	5	32	8	2	1	1	S32°W	S39°E	55	51	179	191	5·66	1·69	Seychelles .	
...	...	...	·557	+·005	...	...	...	70	0	...	...	5·4	−0·3	...	...	...	...	...	...	...	...	...	S83°E	S78°E	...	...	238	264	1·05	0·27	Mauritius .	

* Corrected.
† Departures from old normals.
‡ Snow water.
§ Mean of 28 days.
‖ Wind observations less 19.
(a) Mean of 30 days.
(b) Mean of 22 days.
(c) Do. 23 days.
(d) Do. 21 days.
(e) Do. 20 days.
(f) Do. 26 days.

Table B.—Abstract of observations taken at 8 hrs. at 235 stations in India, etc., in October 1908.

(1) Provincial means.

(2) Data of stations.

(1) Provincial means based on the material in Table B (2) except that the statement of rainfall depends on the complete data of about 2,500 stations.

	Pressure departure from normal.	Temperature of air.								Wind.		Hygrometry.				Cloud.		Rainfall.		
		Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Absolute range during month.	Departure of velocity from normal.	Departure of steadiness from normal.	Mean humidity.	Departure from normal.	Mean vapour tension.	Departure from normal.	Mean cloud amount.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.
	"	°	°	°	°	°	°	°	°					"	"			"	"	"
Burma	—·026	88·6	—0·4	73·6	+0·5	81·1	+0·1	15·0	23·8	—0·4	+ 4	88	0	·842	—·006	4·5	—0·6	5·64	5·63	+0·01
Eastern Bengal and Assam	—·033	87·8	+1·2	71·5	—1·0	79·7	+0·1	16·3	28·1	—0·7	— 3	85	— 3	·800	—·029	2·6	—1·6	3·07	5·09	—2·02
Bengal	—·025	90·3	+1·9	69·8	—1·8	80·1	+0·1	20·5	32·1	—0·5	+13	74	— 6	·634	—·071	1·8	—1·2	1·08	3·53	—2·45
United Provinces of Agra and Oudh.	—·027	91·9	+1·9	63·9	—2·0	77·9	0	28·0	39·7	0	+14	61	— 8	·508	—·076	0·4	—0·8	0·20	1·31	—1·11
Punjab	—·021	92·0	—1·5	62·4	+0·3	77·2	—0·6	29·6	43·6	+0·3	+ 7	58	+ 2	·450	+·025	0·3	—0·4	0·04	0·22	—0·18
North-West Frontier Province	—·031	87·8	—3·5	60·1	+1·2	73·9	—1·2	27·7	42·1	—0·9	+ 1	65	+ 7	·462	+·067	0·2	—0·6	0·40	0·27	+0·13
Sind	—·008	93·6	—0·7	68·6	+0·5	81·1	—0·1	25·0	40·5	—1·2	+13	55	+ 7	·591	+·060	0·8	+0·1	0	0·02	—0·02
Rajputana	—·006	93·0	—1·9	65·3	—0·9	79·1	—1·5	27·7	41·0	—0·2	+ 9	54	+ 4	·478	+·030	1·0	—0·2	0·01	0·16	—0·15
Bombay	—·001	90·6	+0·6	71·6	+1·1	81·1	+0·8	19·0	28·5	—0·4	0	69	— 2	·676	—·004	2·8	+0·1	0·58	2·84	—2·26
Central India	—·007	90·3	+1·2	63·9	—0·9	77·1	+0·1	26·4	36·0	—0·8	+24	58	— 4	·497	—·045	1·7	+0·2	0·18	0·94	—0·76
Central Provinces	—·002	89·8	+1·3	65·9	—1·0	77·9	+0·1	23·9	33·4	—0·3	+ 4	58	— 8	·503	—·075	2·1	—0·3	0·25	1·76	—1·51
Hyderabad	—·004	89·2	+0·4	68·3	—0·3	78·8	0	20·9	28·3	—0·6	+10	66	— 5	·621	—·034	3·2	+0·9	0·10	2·80	—2·70
Mysore	—·008	85·1	+2·2	66·4	+0·3	75·8	+1·3	18·7	26·8	+0·7	+ 7	80	— 2	·633	—·006	5·2	—1·4	2·66	5·50	—2·84
Madras	—·011	89·5	+0·7	74·3	+0·3	82·0	+0·5	15·2	24·6	+0·3	— 1	79	— 1	·793	—·016	4·8	—0·6	7·50	7·11	+0·39

Table

(2) *Abstract of observations taken at 8 hrs. at 235*

Number of sub-division.	Station.	Elevation of bar. cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma.																						
2	Mergui	56	29·867	—·009	29·854	29·941	9th	29·804	31st	·137	77·4	86·3	—0·9	73·0	+0·9	79·7	0	13·3	90·4	22nd and 23rd.	65·4	22nd	25·0
	Tavoy	19	29·905	—·021	29·856	29·967	10th	29·828	31st	·139	77·2	87·1	—0·9	74·7	+1·4	80·9	+0·3	12·4	98·5	26th	73·3	8th and 28th.	25·2
	Moulmein	94	29·828	—·007	29·861	29·990	10th	29·768	31st	·122	78·4	87·2	—1·2	74·8	+0·1	81·0	—0·6	12·4	92·5	27th	72·3	8th	20·2
	Rangoon	36	29·874	—·023	29·847	29·941	19th	29·824	1st	·117	80·4	88·0	+0·3	76·9	+1·3	82·5	+0·8	11·1	92·6	28th	74·4	10th	18·2
	Bassein	27?	29·872	—·021	29·837	29·923	17th	29·805	8th	·118	78·6	88·1	+0·7	75·9	+0·7	82·0	+0·7	12·2	91·7	28th	73·9	5th and 13th.	17·8
	Diamond Island	41	29·869	—·021	29·836	29·904	11th and 20th.	29·794	8th	·110	82·0	86·5	0	77·9	+1·2	82·2	+0·6	8·6	92·4	31st	73·7	31st	18·7
	Toungoo	183	29·741	—·021	29·818	29·799	25th	29·681	1st, 7th and 8th.	·118	79·5	89·4	—0·9	75·3	+0·5	82·4	—0·2	14·1	92·5	17th, 27th and 28th.	72·7	13th	19·8
	Kyaukpyu	...	29·856	...	29·815	29·914	21st	29·720	8th	·194	...	...	...	...	...	...	...	...	...	...	...	...	...
	Akyab	20	29·859	—·039	29·822	29·919	20th	29·702	8th	·217	78·6	87·1	—0·7	76·4	—0·3	81·7	—0·5	10·7	89·9	25th and 27th.	71·8	31st	18·1
3	Thayetmyo	121	J 29·756	J —·042	J 29·819	29·832	25th	29·658	1st	·174	80·2	91·4	+1·0	74·9	+0·8	83·1	+0·9	16·5	95·0	28th	71·4	13th and 30th.	23·6
	Minbu	*165*	29·739	—·028	29·849	29·819	25th	29·647	8th	·172	79·7	92·1	+0·8	75·3	+0·3	83·7	+0·6	16·8	97·8	25th	73·3	11th	24·5
	Yamethin	657	?29·214	?—·064	? 29·827	29·274	25th	29·134	1st	·140	78·5	91·0	—1·5	73·3	0	82·4	—0·8	17·2	95·3	17th and 18th.	71·5	10th and 28th.	23·8
	Mandalay	250	29·633	—·035	29·831	29·725	17th	29·537	1st	·1·8	80·7	94·2	+2·4	70·7	?—4·1	82·4	—0·9?	23·5	97·0	4 days	68·4	14th	28·6
	Monywa	280	29·623	...	29·842	29·714	25th	29·496	9th	·218	79·4	92·0	...	75·5	...	83·8	...	16·5	96·8	17th	70·1	23rd	26·7
	Lashio	*3,751*	27·128	—·045	27·074	27·203	25th	27·046	7th	·157	68·1	82·6	—0·9	63·0	—0·5	72·8	—0·7	19·6	86·3	1st	56·0	23rd and 24th.	30·3
	Bhamo	*331*	29·516	—·030	29·859	29·616	25th	29·401	9th	·215	74·3	89·1	—0·5	69·8	+0·2	79·0	—0·2	18·3	92·4	1st	62·1	24th	30·3
	Myitkyina	458	29·420	...	29·844	29·537	25th	29·322	9th	·215	74·8	86·9	...	70·3	...	78·6	...	16·6	91·7	17th	62·0	27th	29·7
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	353	29·539	...	29·859	29·605	29th	29·366	9th	·299	73·1	82·5	...	69·8	...	76·2	...	12·7	87·9	8th	63·1	27th	24·8
	Sibsagar	333	29·596	—·024	29·891	29·722	29th	29·421	1st	·301	74·2	83·6	—1·2	70·2	—0·6	76·9	—0·9	13·4	87·6	4 days	60·7	22nd	26·9
	Tezpur	252	29·637	...	29·852	29·745	25th	29·471	1st	·274	74·4	86·5	...	71·3	...	78·9	...	15·2	90·6	8th and 18th.	63·9	28th and 30th.	26·7
	Gauhati	195	29·710	...	29·864	29·820	25th	29·555	9th	·265	75·1	88·5	...	69·4	...	79·0	...	19·1	92·5	7th	61·1	25th	31·4
	Dhubri	115	29·775	—·038	29·848	29·873	25th	29·606	9th	·267	75·1	85·6	+1·1	72·4	—0·4	79·0	+0·4	13·2	89·5	6th	66·8	24th and 27th.	22·7
	Silchar	104	29·805	—·020	29·864	29·913	22nd	29·621	9th	·292	75·4	87·3	—1·4	71·3	—1·0	79·3	—1·2	16·0	90·8	5th	62·3	23rd	28·5
5	Cox's Bazar	36	29·845	...	J 29·842	29·915	16th	29·689	8th	·226	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chittagong	87	29·800	—·028	29·836	29·869	22nd	29·636	9th	·233	77·3	87·1	+0·6	71·4	—2·0	79·3	—0·7	15·7	90·1	17th	62·4	31st	27·7
	Noakhali	43	29·852	...	29·843	29·933	22nd	29·716	8th	·217	78·4	86·1	...	72·9	...	79·5	...	13·2	89·3	17th	63·4	30th	25·9

N. B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

J Mean of 24 days.

B.

stations in India, etc., in October, 1908.

Wind Direction.											Wind Velocity.			Wind Steadiness.	Hygrometry, 8 hrs.				Cloud.		Rainfall.								Station.
Number of winds from											Resultant direction.	Normal direction.	Mean velocity, miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st October 1908.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October 1908.	Heaviest rainfall during month.	
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																						
25	26	27	28	2	30	31	32	33			34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																	I.—Burma.
1	6	9	5	2	1	...	...	7			N28°E	N5°E	...	1·5	...	56	+38	94	+7	·867	+·012	3·2	−1·7	22	16·10	+5·90	12·17	13·74	−0·57	151·80	151·83	+9·97	1·80	Mergui.
31	...	...	...	...	...	...	...	...			(a)	N9°E	1·2	1·1	+0·1	...	...	92	+4	·859	−·009	5·7	+0·9	19	12·30	+6·70	12·82	9·45	+3·37	196·02	201·38	−5·36	1·51	Tavoy.
12	1	1	5	3	7	2	...	...			S36°E	S85°E	2·1	2·2	−0·1	37	+5	92	+4	·888	+·012	4·9	−0·1	15	10·70	+4·30	20·99	7·97	+13·02	202·76	177·86	+24·90	4·20	Moulmein.
2	2	9	1	2	8	2	1	4			N85°E	S53°E	3·5	2·9	+0·6	11	−11	86	−6	·901	−·006	5·1	−0·5	9	9·50	+0·50	4·20	6·39	−2·19	99·44	91·80	+7·64	0·83	Rangoon.
22	1	...	1	1	3	2	1	...			S10°W	N80°E	2·2	3·3	−1·1	13	−5	95	+4	·941	+·026	2·6	−2·6	12	12·10	−0·10	7·79	8·13	−0·34	102·37	106·37	−4·00	2·39	Bassein.
2	...	9	5	1	1	8	2	3			N64°E	N53°E	5·5	7·5	−2·0	7	−25	83	0	·916	+·017	4·9	−0·8	11	11·00	−0·60	7·47	8·00	−0·53	125·05	108·18	+16·87	2·44	Diamond Island.
13	1	4	3	6	3	...	...	1			S74°E	N84°E	2·1	1·8	+0·3	30	+12	86	−3	·865	−·022	5·6	+0·1	9	9·60	−0·60	9·66	6·56	+3·10	92·29	75·12	+17·17	3·37	Toungoo.
...	3	2	11	3	6	1	2	3			S79°E	...	d 2·3	...	...	32	...	...	...	...	...	2·3	...	10	...	...	5·39	...	...	171·61	...	...	1·20	Kyaukpyu.
3	5	16	4	1	2	1	...	...			N50°E	N50°E	2·6	2·5	+0·1	42	−33	93	+2	·917	+·004	5·0	−0·9	9	8·30	+0·70	12·42	10·38	+2·14	173·08	183·75	−10·67	4·51	Akyab.
...	5	1	...	5	12	7	...	1			S6°W	S37°E	* d 5·0	3·5	+1·5	46	+24	83	−1	·851	+·001	5·2	−0·5	7	6·90	+0·10	2·71	4·00	−1·29	37·84	33·84	+4·00	0·20	Thayetmyó.
...	2	...	...	15	4	4	2	4			S14°E	S10°W	3·5	6·5	−3·0	43	+32	80	−4	·815	−·028	4·3	−0·2	2	5·20	−3·20	0·78	4·41	−3·63	35·96	29·86	+6·10	0·39	Minbu.
7	3	...	...	13	7	...	...	1			S34°E	S45°E	2·7	3·4	−0·7	49	+12	84	−2	·818	−·039	3·7	+0·6	6	6·00	−0·60	2·54	5·72	−3·18	29·67	33·91	−4·24	0·71	Yamethin.
22	...	...	...	6	3	...	...	...			S31°E	S	d 2·8	3·2	−0·4	30	+5	78	−5	·813	−·047	3·1	−1·0	2	5·60	−3·60	2·29	4·98	−2·69	19·48	28·98	−9·50	1·77	Mandalay.
11	6	1	2	7	2	...	...	2			N79°E	...	2·0	...	...	20	...	83	...	·814	...	4·9	...	5	5·50	−0·50	2·97	3·95	−0·98	19·62	26·29	−6·67	1·70	Monywa.
...	...	...	...	...	...	...	...	...			...	...	...	...	...	...	...	93	+1	·844	−·003	5·6	−2·0	8	...	...	4·81	3·68	+1·13	46·79	54·98	−8·19	1·62	Lashio.
25	...	4	1	...	...	1	...	...			N56°E	N4°W	1·3	1·9	−0·6	10	−12	90	−3	·765	+·008	4·4	+0·3	7	5·70	+1·30	2·94	3·47	−0·53	71·88	68·52	+3·36	0·80	Bhamo.
18	...	3	10	3	...	...	...	...			E	...	* 1·5	...	...	46	...	88	...	·762	...	5·5	...	7	...	...	2·57	...	...	58·31	...	...	0·94	Myitkyina.
																																	II.—Eastern Bengal and Assam.
31	...	...	...	...	...	...	...	...			(a)	...	...	...	...	...	...	90	...	·735	...	6·2	...	8	7·70	+0·30	4·21	5·40	−1·19	100·58	94·19	+6·36	0·85	Dibrugarh.
21	1	4	...	...	2	3	...	...			S67°E	N86°E	1·2	1·9	−0·7	2	−23	89	−7	·775	−·027	6·4	−0·8	10	4·20	+5·80	4·60	4·99	−0·39	69·07	76·81	−7·74	1·10	Sibsagar.
24	...	1	4	...	...	2	...	...			S78°E	...	2·4	...	...	10	...	91	...	·777	...	3·7	...	4	5·50	−1·50	2·42	3·66	−1·24	52·65	60·70	−8·05	1·15	Tezpur.
26	2	1	...	4	1	1	...	...			N52°E	...	1·2	...	...	3	...	87	...	·768	...	4·3	...	1	4·10	−3·10	0·58	2·92	−2·34	46·77	52·78	−6·01	0·50	Gauhati.
9	...	6	14	...	1	2	...	...			N86°E	N67°E	d 4·3	3·8	+0·5	53	+10	89	0	·787	−·004	1·1	−2·7	3	4·10	−1·10	1·48	3·48	−2·00	90·01	85·47	+4·54	1·20	Dhubri.
18	...	...	5	7	...	1	...	...			S58°E	N63°E	2·2	1·6	+0·6	37	+33	90	+1	·801	−·027	2·9	−3·2	7	7·00	0	4·30	6·03	−1·73	92·98	97·90	−4·97	1·36	Silchar.
...	5	6	13	5	1	...	...	1			N75°E	...	3·0	...	...	66	...	...	...	...	...	2·6	...	7	...	...	9·93	...	...	116·65	...	...	3·33	Cox's Bazar
18	2	8	2	...	1	...	...	...			N49°E	N67°E	0·9	2·8	−1·9	33	−14	87	−3	·822	−·043	3·4	−1·6	8	6·80	+1·20	7·18	6·37	+0·81	80·42	86·32	−5·90	2·15	Chittagong.
11	3	6	3	...	3	3	3	...			N63°E	...	1·2	...	...	6	...	86	...	·836	...	2·4	...	4	7·13	−3·13	2·53	7·92	−5·39	85·33	103·84	−17·51	0·98	Noakhali.

(a) Indeterminate
d Mean of 30 days.
* Uncorrected.

TABLE

(2) *Abstract of observations taken at 8 hrs. at 235*

Number of subdivision.	Station.	Elevation of bar. cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	III.—Bengal.—*concld.*																						
	Angul	455	29·438	...	29·860	29·527	25th	29·277	1st	·250	76·0	89·0	...	70·1	...	79·6	...	18·9	91·1	18th	62·5	25th	28·6
	Sambalpur	486	29·426	—·006	29·868	29·513	25th	29·233	1st	·280	77·4	89·1	+0·3	69·9	—2·0	79·5	—0·9	19·2	91·1	18th and 19th.	61·6	31st	29·5
8	Chaibassa	733	29·149	—·021	29·850	29·245	25th	28·993	1st	·252	72·6	90·5	+1·8	68·0	—2·3	79·3	—0·3	22·5	93·3	20th and 21st.	58·7	31st	34·6
	Ranchi	2,128	27·765	—·019	29·860	27·851	25th	27·619	1st	·232	73·9	84·4	+1·4	66·3	+0·7	75·3	+1·1	18·1	86·7	1st and 19th.	61·4	30th	25·3
	Purulia	816	29·050	...	29·833	29·150	25th	28·903	1st	·247	72·0	89·6	...	68·5	...	79·1	...	21·1	92·0	19th and 20th.	63·1	6 days	28·9
	Hazaribagh	1,993	27·876	—·021	29·849	27·960	25th	27·728	1st	·232	75·3	84·2	+0·9	66·1	—0·7	75·1	+0·1	18·1	86·7	1st and 19th.	59·8	25th	26·9
	Daltonganj	730	29·171	...	29·877	29·275	25th	29·014	1st	·261	71·0	91·6	...	63·6	...	77·6	...	28·0	94·5	17th	53·0	30th and 31st.	41·5
	Purnea	122	29·753	—·040	29·833	29·870	25th	29·605	9th	·265	70·5	90·2	+2·8	66·3	—4·9	78·2	—1·1	23·9	94·0	20th	56·7	29th	37·3
9	Bhagalpur	160	29·718	...	29·832	29·834	25th	29·571	1st	·263	80·4	92·9	...	68·8	...	80·9	...	24·1	98·2	20th	59·8	31st	38·4
	Monghyr	155	29·723	...	29·832	29·833	25th	29·560	1st	·273	79·3	(d) 91·8	...	70·6	...	(d) 81·3	...	21·2	94·9	16th, 18th and 19th.	61·9	31st	33·0
	Darbhanga	165	29·712	—·039	29·837	29·822	25th	29·562	1st	·260	74·8	91·2	+4·5	67·1	—6·0	79·1	—0·8	24·1	94·1	19th and 20th.	59·3	29th and 30th.	34·8
	Pusa	188	29·689	...	29·834	29·799	25th	29·543	9th	·256	76·7	93·3	...	66·1	...	79·7	...	27·2	97·2	19th	57·9	29th	39·3
	Muzaffarpur	178	29·706	...	29·843	29·820	25th	29·564	9th	·256	76·4	(d) 90·4	...	66·4	...	(d) 78·3	...	24·0	93·2	18th and 19th.	58·0	30th and 31st.	35·2
	Motihari	224	29·652	...	29·841	29·777	25th	29·502	9th	·275	72·3	90·0	...	65·2	...	77·7	...	24·8	93·4	18th and 19th.	56·8	31st	36·6
	Chapra	181	29·686	...	29·826	29·798	25th	29·546	1st	·252	74·6	90·9	...	(d) 63·9	...	(d) 79·2	...	22·0	93·7	17th, 18th and 19th.	59·9	30th and 31st.	33·8
	Patna	183	29·691	—·042	29·831	29·811	25th	29·545	1st	·266	78·7	90·6	+2·4	69·6	—2·9	80·1	—0·3	21·0	93·5	18th and 20th.	61·7	29th	31·8
	Arrah	190	29·692	...	29·839	29·796	25th	29·545	1st	·251	74·7	91·6	...	68·3	...	79·0	...	25·3	93·9	17th, 18th and 19th.	57·7	30th and 31st.	36·2
	Buxar	239	29·631	...	29·830	29·741	25th	29·490	1st	·261	75·7	93·7	...	68·6	...	81·2	...	25·1	97·0	15th and 18th.	60·1	31st	36·9
	Dehri	351	29·521	...	29·833	29·621	25th	29·366	1st	·255	76·1	93·4	...	70·4	...	82·0	...	23·0	96·3	13th and 19th.	62·0	29th	34·3
	Gaya	375	29·496	—·037	29·832	29·598	25th	29·320	1st	·278	76·4	92·5	+2·9	69·4	—1·6	80·9	+0·7	23·1	96·4	19th	60·2	31st	36·2
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·605	—·039	29·824	29·723	25th	29·472	1st	·251	76·0	91·1	+2·4	65·2	—1·8	78·2	—1·2	25·9	94·6	18th	57·0	29th and 31st.	37·6
	Benares	267	29·616	—·023	29·843	29·722	25th	29·468	1st	·254	76·2	93·0	+3·1	64·0	—4·3	78·5	—0·6	29·0	95·6	18th	54·1	29th and 30th.	41·5
	Allahabad	309	29·578	—·019	29·848	29·693	25th	29·436	1st	·247	75·4	93·7	+3·2	65·4	—2·2	79·6	+0·5	28·3	96·1	12th	55·0	30th	40·1
	Cawnpore	416	29·458	—·029	29·843	29·561	25th	29·312	1st	·249	74·9	94·5	+3·0	63·5	—2·3	79·1	+0·4	31·0	96·9	15th, 16th and 17th.	54·0	30th	42·9
	Lucknow	368	29·510	—·021	29·846	29·612	25th	29·373	9th	·239	73·5	92·5	+1·3	63·8	—1·7	78·2	—0·2	28·7	96·0	26th	53·6	31st	42·4
	Bahraich	401	29·461	—·036	29·831	29·567	25th	29·315	9th	·252	74·7	93·3	+3·2	65·7	—1·5	79·5	+0·9	27·6	96·1	19th	53·0	26th and 29th.	38·1

(d) Mean of 30 days.

N.B.—Elevations in italics indicate barometrical determinations.
NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

B.—*continued.*

***stations in India, etc., in October, 1908*—continued.**

Wind direction. Number of winds from: Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st October 1908.	Normal rainfall for period 1st May to 31st October.	Departure from normal of period 1st May to 31st October 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																III.—Bengal—*contd.*
...	1	...	...	1	...	1	9	19	N59°W	...	3·5	...	...	81	...	77	...	·698	...	1·9	...	4	...	...	2·20	...	...	46·43	...	...	1·33	Angul.
...	3	8	5	3	1	6	2	3	N52°E	N33°E	3·8	2·9	+0·9	17	—10	71	—7	·682	—·067	2·3	—0·3	3	3·60	—0·60	0·48	1·92	—1·44	77·73	64·10	+13·63	0·24	Sambalpur.
7	...	2	1	...	2	9	8	2	S67°W	S63°W	2·2	0·9	+1·3	46	+24	79	—1	·640	—·099	2·2	—1·0	2	4·19	—2·19	0·98	2·29	—1·31	48·63	46·61	+2·02	0·55	Chaibassa.
1	5	...	...	...	1	1	16	10	N58°W	N89°W	5·8	4·5	+1·3	76	+55	55	—17	·468	—·118	1·8	—1·3	0	4·35	—4·35	0·10	2·92	—2·82	53·07	51·45	+1·62	0·09	Ranchi.
1	1	...	...	1	...	3	16	9	N78°W	...	2·8	...	...	78	...	78	...	·621	...	2·8	...	2	3·80	—1·80	1·28	3·17	—1·89	51·24	48·83	+2·41	0·86	Purulia.
4	2	1	...	...	1	6	9	8	N81°W	S72°W	5·1	5·2	—0·1	59	+31	56	—14	·489	—·090	1·2	—2·3	2	4·48	—2·48	1·89	3·14	—1·25	43·43	50·47	—7·04	1·68	Hazaribagh.
31	...	...	...	...	...	...	...	...	(*a*)	...	2·5	...	...	...	...	78	...	·605	...	2·1	...	2	3·06	—1·06	3·56	2·40	+1·16	32·62	41·70	—9·08	2·70	Daltonganj.
25	...	2	4	...	...	...	...	...	N75°E	N79°E	0·6	2·0	—1·4	17	+2	92	+4	·691	—·109	0·9	—1·7	1	3·39	—2·39	0·31	3·44	—3·13	24·58	62·01	—37·43	0·31	Purnea.
17	...	1	...	...	4	7	2	...	S37°W	...	1·2	...	...	32	...	60	...	·633	...	0·9	...	1	3·03	—2·03	0·76	3·54	—2·78	15·96	46·57	—30·61	0·76	Bhagalpur.
3	...	...	1	1	1	9	12	3	S76°W	...	3·0	...	...	65	...	66	...	·672	...	0·6	...	0	...	...	0·09	...	...	20·87	...	...	0·07	Monghyr.
15	2	1	6	...	2	1	4	...	E	S68°E	1·1	2·1	—1·0	6	—15	80	—3	·697	—·086	1·0	—1·0	1	3·03	—2·03	0·49	3·24	—2·84	31·41	48·62	—17·21	0·40	Darbhanga.
10	1	10	5	1	...	1	1	2	N51°E	...	(*t*) 1·6	...	...	42	...	70	...	·651	...	1·4	...	2	...	...	0·58	...	...	19·04	...	...	0·35	Pusa.
22	...	...	1	...	1	2	2	1	S86°W	...	1·2	...	...	19	...	72	...	·652	...	0·6	...	2	2·87	—0·87	1·68	2·92	—1·24	21·56	43·28	—21·72	1·14	Muzaffarpur.
14	...	2	2	1	2	4	5	1	S53°W	...	1·5	...	...	16	...	86	...	·692	...	1·0	...	2	2·71	—0·71	1·21	3·38	—2·17	20·55	49·27	—28·72	0·94	Motihari.
8	1	1	...	...	4	11	6	...	S52°W	...	1·4	...	...	55	...	72	...	·625	...	0·7	...	1	2·81	—1·81	0·17	2·63	—2·46	17·50	38·62	—21·12	0·15	Chapra.
4	1	...	...	...	9	12	3	...	S25°W	S8°W	1·8	2·2	—0·4	62	+40	62	—11	·622	—·109	0·6	—1·8	0	3·13	—3·13	0	3·26	—3·26	23·21	45·90	—22·69	0	Patna.
13	...	...	...	1	2	7	5	1	S56°W	...	1·2	...	...	36	...	72	...	·626	...	1·0	...	1	3·48	—2·48	0·93	2·77	—1·84	27·76	43·27	—15·51	0·93	Arrah.
5	1	...	1	1	7	8	8	...	S45°W	...	1·6	...	...	55	...	62	...	·557	...	0·8	...	1	2·84	—1·84	1·67	2·96	—1·29	32·32	39·22	—6·90	1·67	Buxar.
1	...	...	1	...	2	23	1	1	43°W	...	3·1	...	...	84	...	70	...	·642	...	1·7	...	0	2·78	—2·78	0·05	2·49	—2·44	18·80	40·86	—22·06	0·02	Dehri.
11	...	2	...	1	5	9	3	...	S34°W	S9°W	2·4	2·7	—0·3	43	+11	64	—10	·592	—·092	1·4	—1·6	1	2·90	—1·90	0·86	2·20	—1·34	19·72	44·44	—24·72	0·82	Gaya.
																																IV.—United Provinces of Agra and Oudh.
18	...	2	...	3	...	2	2	3	N75°W	N27°W	0·6	1·2	—0·6	10	—12	66	—11	·598	—·116	0·4	—1·2	1	2·10	—1·10	1·12	4·19	—3·07	27·44	49·69	—22·25	1·12	Gorakhpur.
9	...	...	...	1	3	18	2	...	S40°W	S50°W	1·8	2·5	—0·7	66	+48	59	—18	·636	—·143	0·8	—1·4	2	2·20	—0·20	1·19	2·56	—1·37	26·01	38·96	—12·95	0·92	Benares.
3	...	1	...	...	...	3	22	2	W	N86°W	3·1	3·1	0	80	+55	54	—15	·485	—·149	1·1	—0·9	1	1·90	—0·90	0·40	2·57	—2·17	32·93	38·62	—5·69	0·35	Allahabad
1	2	...	...	...	...	2	13	4	N79°W	S76°W	2·1	2·1	0	56	+27	53	—13	·463	—·139	0	—1·1	0	1·50	—1·50	0·02	1·42	—1·40	33·03	33·88	—0·85	0·02	Cawnpore.
30	...	...	...	...	...	...	1	...	W	N58°W	0·3	1·8	—1·5	3	—6	60	—12	·514	—·114	0·3	—1·1	1	1·60	—0·60	0·10	1·16	—1·06	35·01	36·63	—1·62	0·10	Lucknow.
23	2	...	1	1	...	...	...	4	N15°W	N77°E	1·5	1·6	—0·1	13	+3	67	—9	·589	—·102	0·4	—0·9	1	1·40	—0·40	0·87	1·55	—0·68	24·26	45·27	—21·01	0·87	Bahraich.

* Uncorrected.
(*a*) Indeterminate.
(*t*) Mean of 14 days.

Table

(2) Abstract of observations taken at 8 hrs. at 235

Number of sub-division.	Station.	Elevation of bar-sistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IV.—United Provinces of Agra and Oudh *concld.*																						
11	Jhansi	835	29·088	+·007	29·893	29·185	25th	28·916	1st	·269	81·2	94·1	+1·2	71·0	+1·9	82·6	+1·6	23·1	96·5	20th	63·0	3·th	33·5
	Agra	556	29·331	—·022	29·859	29·442	25th	29·164	1st	·278	74·3	93·1 *X*	−0·2 *X*	67·0	—0·6	80·1 *X*	−0·4	26·1	97·0	1st	59·5	31st	37·5
	Mainpuri	516	29·313	—·040	29·789	29·386	29th	29·203	1st	·183	73·1	95·1	+2·1	64·2	—1·4	80·2	+0·4	30·9	98·3	3rd	55·1	30th	43·2
	Bareilly	568	29·283	—·041	29·830	29·388	25th	29·150	9th	·238	71·7	92·0	+2·5	62·7	—2·6	77·4	−0·1	29·3	94·8	16th	53·0	31st	41·8
	Meerut	738	29·114	—·037	29·838	29·218	25th	28·979	1st	·239	69·5	91·1	+0·6	60·8	—1·6	75·9	−0·5	30·3	93·6	1st and 17th	51·8	31st	41·8
	Roorkee	899	28·964	—·028	29·862	29·074	25th	28·830	9th	·244	66·3	88·8	−0·5	57·9	−3·4	73·4	−2·0	30·9	92·5	2nd	49·4	31st	43·1
	Dehra Dun	2,233	27·641	—·037	29·864	27·742	25th	27·519	9th	·223	67·9	85·7	+3·4	59·9	−0·7	72·8	+1·4	25·8	89·5	2nd	53·5	31st	36·0
	V.—Punjab.																						
12	Delhi	718	29·156	—·020	29·854	29·262	25th	29·022	1st	·240	74·1	92·3	+0·2	63·9	+1·0	80·6	+0·6	23·4	97·2	1st	59·7	31st	37·5
	Sirsa	662	29·215	—·013	29·858	29·335	25th and 26th	29·043	1st	·292	73·4	95·2	−0·9	63·1	+0·5	79·2	−0·2	32·1	101·3	1st	51·6	31st	49·7
	Patiala	818	29·053	...	29·862	29·189	25th	28·915	1st	·274	73·1	92·0	...	61·9	...	77·0	...	30·1	96·1	1st	51·9	30th	44·2
	Ambala	892	28·966	—·025	29·851	29·093	25th	28·826	1st	·256	69·0	91·7	−1·5	60·0	−0·8	75·8	−1·2	31·7	96·0	1st	49·0	31st	47·0
	Ludhiana	812	29·040	—·025	29·852	29·176	25th	28·897	1st	·279	70·7	91·9	0	63·3	+0·3	77·6	+0·2	28·6	96·5	1st	54·5	31st	42·0
	Lahore	702	29·149	—·033	29·845	29·290	25th	28·967	1st	·323	68·4	92·7	—2·4	60·5	+1·4	76·6	−0·5	32·2	96·4	1st	50·2	31st	46·2
	Sialkot	836	29·034	—·017	29·861	29·183	25th	28·875	1st	·308	68·9	90·1	—2·2	59·4	−2·5	74·8	−2·4	30·7	92·7	1st and 14th	50·1	31st	42·6
	Rawalpindi	1,674	28·206	—·027	29·906	28·345	25th	28·079	9th	·266	65·2	85·5	—2·7	54·8 *k*	+0·9 *k*	70·2 *k*	−0·9 *k*	30·7	89·4	7th and 11th	46·9	31st	42·5
13	Khushab	612	29·270	—·003	29·866	29·411	25th	29·102	1st	·309	74·8	92·9	—0·9?	65·8	+3·9?	79·4	+1·5?	27·1	97·9	10th	58·4	31st	39·5
	Montgomery	558	29·306	—·022	29·841	29·458	25th	29·126	1st	·332	76·5	94·3	−2·3	62·9	+0·7	75·6	−0·8	31·4	97·9	6th	52·6	31st	45·3
	Multan	420	29·449	—·021	29·846	29·610	25th	29·284	1st	·326	73·3	93·4	−2·1	66·0	+1·6	79·7	−0·3	27·4	99·3	15th	56·0	29th and 30th	43·3
	VI.—North-West Frontier Province.																						
15	Peshawar	1,110	28·786	—·034	29·913	28·937	25th	28·646	1st	·291	67·6	85·3	—3·1	53·6	+1·4	71·9	−0·9	26·7	90·2	6th	49·9	31st	40·3
	Dera Ismail Khan	590	29·291	—·027	29·851	29·444	25th	29·143	1st	·301	69·4	90·2	−3·8	61·5	+0·9	75·9	−1·5	28·7	94·9	7th	51·1	31st	43·8
	VII.—Sind.																						
17	Jacobabad	186	29·692	—·019	29·845	29·813	25th	29·507	1st	·306	74·4	99·0	+0·4	63·9	+1·4	81·5	+0·9	35·1	104·6	8th	53·8	28th and 29th	50·8
	Hyderabad	96	29·797	—·012	29·848	29·894	26th	29·608	1st	·286	76·8	96·3	−1·7	69·6	—0·4	83·0	−1·1	26·7	99·1	8th	59·5	28th	39·6
	Kurrachee	30	29·938	+·008	29·891	30·012	17th	29·741	1st	·271	76·8	85·4	—6·2?	72·2	+1·3	78·8	—2·5?	13·2	96·0	27th	65·0	31st	31·0
	VIII.—Rajputana.																						
18	Bikaner	771	29·109	—·001	29·863	29·230	25th	28·921	1st	·309	75·6	94·2	−1·7	68·8	—2·6	81·5	−2·2	25·4	99·1	1st	57·0	31st	42·1
	Jodhpur	782	29·146	+·009	29·934	29·228	26th	28·962	1st	·246	74·7	93·9	—3·6	65·0	—3·2	79·5	—3·4	28·9	97·1	19th	55·8	28th	41·3

N.B.—Elevations in italics indicate barometrical determinations.
NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

s—Mean of 29 days.
X—Mean of 7 days.
L—Mean of 6 days.
k— „ „ 23 „

B—*continued.*

stations in India, etc., in October, 1908—continued.

WIND DIRECTION. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	WIND VELOCITY. Mean velocity, miles per hour.	Normal.	Departure from normal.	WIND STEADINESS. Actual percentage.	Departure from normal.	HYGROMETRY, 8 HRS. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs in inches of mercury.	Departure from normal in inches of mercury.	CLOUD. Mean cloud amount at 8 hrs.	Departure from normal.	RAINFALL. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st October 1908.	Normal rainfall for period 1st May to 31st October.	Departure from normal of period, 1st May to 31st October 1908.	Heaviest rainfall during month.	STATION.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IV.—United Provinces of Agra and Oudh—*concld.*
10	1	...	1	1	..	6	5	7	N85°W	S70°W	4·1	2·4	+1·7	40	—3	45	—7	·433	—·014	0·9	0	0	0·91	—0·90	0	0·64	—0·64	45·06	36·73	+8·33	0	Jhansi.
5	...	...	...	1	..	7	..	18	N68°W	N68°W	3·7 (d)	3·1	+0·6	59	+19	55	—2	·472	—·025	0·5	—0·3	1	0·50	+0·40	0·42	0·38	+0·04	33·78	26·81	+6·97	0·42	Agra.
2	...	...	...	...	...	1	3	1	W	N83°W	1·4	0·9	+0·5	4	—2	61	—4	·529	—·003	0·3	—0·8	0	0·80	—0·80	0	1·12	—1·12	21·32	28·90	—4·58	0	Mainpuri.
27	..	...	...	...	...	...	1	3	N56°W	N15°W	1·6	1·3	+0·3	10	+4	74 (g)	—1	·605 (g)	—·001	0·3	—0·7	0	0·91	—0·91	0	1·00	—1·00	38·86	44·63	—5·77	0	Bareilly.
20	...	.	...	...	2	9	...		S82°W	S88°W	0·9	1·2	—0·3	33	+20	63	—3	·462	—·022	0·1	—0·5	0	0·50	—0·50	0	0·35	—0·35	34·61	29·39	+6·22	0	Meerut.
27	..	.	...	1	1	...	...	2	S67°W	S58°E	1·5	1·3	+0·2	2	—4	72	—2	·469	—·056	0	—0·7	0	0·80	—0·80	0	0·38	—0·38	33·19	38·25	—5·06	0	Roorkee.
31	...	...	...	...	...	...	...	...	(a)	S27°E	1·2*	1·3	—0·1	...	...	60	—8	·513	—·027	0·3	—0·6	0	1·10	—1·10	0	0·92	—0·92	67·49	81·87	—14·38	0	Dehra Dun.
																																V.—Punjab.
...	...	...	...	...	.	3	23	5	N87°W	N83°W	3·7	2·3	+1·4	36	+64	53	+3	·445	+·023	0·6	—0·2	0	0·60	—0·60	0	0·06	—0·06	38·03	24·80	+13·23	0	Delhi.
10	1	...	1	1	1	10	6	1	S60°W	S31°W	2·6 (d)	3·4	—0·8	43	+21	57	+7	·470	+·080	0·2	—0·5	0	0·10	—0·40	0	0·11	—0·11	21·81	12·36	+9·45	0	Sirsa.
8	7	2	3	2	...	...	2	7	N5°W	...	3·0	...	...	39	...	54	...	·432	...	0·3	...	0	...	...	0	...	...	17·27	...	...	0	Patiala.
18	...	...	1	4	1	.	1	6	N72°W	N10°W	3·7	1·1	+2·6	5	+1	59	—11	·536	—·074	0·5	0	0	0·40	—0·40	0	0·03	—0·03	17·67	26·97	—9·30	0	Ambala.
26	...	1	...	1	...	1	1	1	W	S55°E	0·8	1·1	—0·3	3	—8	60	—1	·458	0	0·2	—0·8	0	0·50	—0·50	0	0·33	—0·33	22·97	23·19	—1·12	0	Ludhiana.
13	1	2	2	3	...	...	9	1	N77°W	S83°E	1·6	1·6	0	13	+1	72	+15	·519	+·077	0·1	—0·4	0	0·40	—0·40	0·06	0·20	—0·14	30·52	16·36	+14·16	0·06	Lahore.
16	5	7	1	2	.	...	...	...	N41°E	N54°E	1·1	1·4	—0·3	37	+5	64	+5	·458	+·024	0·4	—0·3	0	1·00	—1·00	0·01	0·25	—0·24	39·37	24·89	+14·48	0·01	Sialkot.
25	3	1	...	...	1	1	.	...	N	N5°W	2·1	1·4	+0·7	6	—8	65 (g)	+3	·427 (g)	+·036	0·6	—0·4	1	1·30	—0·30	0·10	0·44	—0·34	43·54	24·38	+19·16	0·10	Rawalpindi.
8	...	13	4	1	2	2	1	..	N66°E	N48°E	4·3	3·9	+0·4	40	—3	48	+3	·417	+·036	0·1	—0·2	0	0·20	—0·20	0	0·01	—0·01	21·53	10·30	+11·23	0	Khushab.
7	...	2	3	4	8	4	3	...	S6°E	S41°E	3·5	4·1	—0·6	40	+4	43	—3	·392	—·013	0·1	—0·5	0	0·10	—0·10	0	0·03	—0·03	25·54	7·78	+17·76	0	Montgomery.
24	4	1	...	..	1	1	...	..	N	S40°E	1·0	1·5	—0·5	10	—11	59	+3	·483	+·026	0	—0·4	0	0	0	0	0	0	8·73	5·07	+3·06	0	Multan.
																																VI.—North-West Frontier Province.
27	2	...	...	...	...	...	2	...	N45°W	S40°W	0·5	2·3	—1·8	10	—4	63	+4	·438	+·055	0·3	—0·6	1	0·49	+0·60	0·12	0·09	+0·03	8·97	5·68	+3·29	0·12	Peshawar.
19	2	7	...	...	...	...	...	1	N29°E	N34°E	1·2	1·1	+0·1	30	+5	67	+10	·486	+·079	0	—0·5	0	0·20	—0·20	0	0·04	—0·04	13·54	5·32	+8·22	0	Dera Ismail Khan.
																																VII.—Sind.
13	5	3	...	1	2	..	1	6	N16°W	N41°E	2·6	2·1	+0·5	30	+19	57	+5	·495	+·057	0·1	—0·2	0	0	0	0	0	0	2·80	2·67	+0·13	0	Jacobabad.
6	2	2	...	...	5	12	3	1	S49°W	S56°W	6·7	8·6	—1·9	46	+17	62	+9	·579	+·084	1·0	+0·4	0	0	0	0	0	0	19·39	6·07	+13·32	0	Hyderabad.
3	3	6	1	...	...	2	10	6	N46°W	N50°W	7·1	9·4	—2·3	46	+17	46	—24?	·699	+·040	1·3	+0·1	0	0	0	0	0	0	5·61	6·65	—1·04	0	Kurrachee.
																																VIII.—Rajputana.
9	...	...	...	1	6	10	5	...	S39°W	S48°W	4·8	4·9	—0·1	59	+12	49	+2	·443	—·006	0·8	—0·1	0	0·30	—0·30	0	0·09	—0·09	17·09	10·12	+6·97	0	Bikaner.
10	3	4	1	2	3	7	2	1	S42°W	...	2·8	...	...	20	...	54	...	·472	...	1·4	...	0	0·30	—0·30	0	0·17	—0·17	33·02	12·43	+20·59	0	Jodhpur.

(*d*)—Mean of 30 days.
(*g*)—Mean of 27 days.
(*a*)—Indeterminate.
Uncorrected.
(*e*) Mean of 29 days.

Table

(2) *Abstract of observations taken at 8 hrs. at 235*

Number of sub-division	Station	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32.°	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	VIII.—Rajputana—*concld.*																						
	Pachpadra	*380*	29·489?	—·043?	29·835?	29·578	26th	29·303	1st	·275	74·8	95·7	—3·0	62·0	—2·9	78·7	—3·0	33·7	98·9	19th	48·9	29th	50·0
19	Jaipur	1,431	28·485	—·013	29·807	28·574	26th	28·332	1st	·242	76·2	94·0	—0·3	64·6	+0·6	79·3	+0·2	29·4	99·2	1st	56·1	28th	43·1
	Sambhar	1,254	28·658	0	29·900	28·753	25th	28·499	1st	·254	74·0	92·6	—0·7	64·0	+0·4	78·3	—0·2	28·6	96·4	1st	52·5	28th	43·9
	Ajmer	1,611	28·313	—·012	29·919	28·401	25th	28·166	1st	·235	71·3	89·5	—2·5	66·1	+2·9	77·8	+0·2	23·4	91·9	18th and 19th.	55·2	31st	36·7
	Kotah	819?	29·073	—·018	29·901	29·164	25th	28·924	1st	·240	79·0	93·3	—2·0	69·5	—1·1	81·4	—1·6	23·8	96·5	18th	62·6	25th	33·9
	Udaipur	1,925	28·017	—·009	29·914	28·088	17th	27·877	1st	·211	74·7	90·4	—1·6	62·3	—1·6	76·3	—1·6	28·1	93·0	1st	56·3	25th and 29th	36·7
	IX—Bombay.																						
20	Deesa	466	29·462	+·003	29·858	29·537	12th	29·335	1st	·202	79·0	97·8	+0·9	67·2	+0·4	82·6	+0·7	30·6	100·8	31st	59·9	24th	40·9
	Bhuj	395	29·540	+·012	29·892	29·616	12th	29·381	1st	·235	78·9	93·3	—2·8	70·3	—0·6	81·8	—1·7	23·0	96·1	20th	67·5	25th	28·6
	Jamnagar	61	29·882	...	29·883	29·967	17th	29·742	1st	·225	82·3	89·8	...	71·4	...	80·6	...	18·4	95·1	23rd	68·0	22nd	27·1
	Dwarka	37?	29·909	...	29·892	30·000	16th and 17th	29·780	1st	·220	80·8	87·1	...	76·5	...	81·8	...	10·6	97·3	28th	70·2	25th	27·1
	Rajkot	429	29·515	+·012	29·900	29·610	17th	29·391	31st	·219	80·1	95·8	+0·5	69·0	+0·9	82·4	+0·7	26·8	99·9	30th and 31st	62·0	25th	37·9
	Veraval	*18*	29·915	+·002	29·875	30·008	17th	29·810	31st	·198	79·2	87·5	—1·8	72·8	+0·5	80·2	—0·7	14·7	96·7	24th	67·8	16th	28·9
	Bhavnagar Para	55	29·829?	—·022?	29·867?	29·957	12th	29·773	31st	·184	80·0	d 96·5	(d) +0·4	71·5	—0·6?	d 84·0	(d) —0·1?	25·0	99·6	30th	67·5	25th	32·1
	Surat	39	29·892	—·005	29·876	29·967	16th	29·787	31st	·180	81·9	94·5	+1·5	73·5	+2·7	84·0	+2·1	21·0	98·1	30th and 31st	69·1	7th and 9th.	29·0
	Ahmedabad	163	29·771	—·002	29·885	29·839	11th	29·647	31st	·192	79·6	97·1	+0·4	73·2	+1·1	85·2	+0·8	25·9	100·6	31st	68·7	24th	31·9
26	Bombay	37	29·835	—·003	29·872	29·958	17th	29·818	24th	·140	77·7	88·3	+0·8	77·3	+0·8	82·8	+0·8	11·0	93·0	25th	73·0	19th	20·0
	Ratnagiri	110	29·810	+·006	29·859	29·879	12th	29·713	24th	·166	80·7	87·7	—0·5	75·0	+1·0	81·3	+0·3	12·7	98·3	25th	71·4	24th	26·9
	Goa	199	29·708	—·027?	29·816	29·781	12th	29·603	24th	·178	79·6	83·8	—1·5	77·4	+1·9	80·6	+0·2	6·4	88·1	30th	74·1	15th	14·0
	Mormugao	60	29·865	—·007	29·860	29·933	20th	29·768	24th	·165	79·2	84·9	—1·1	75·3	—0·3	80·1	—0·7	9·6	88·0	27th	73·2	10th and 15th.	14·8
	Karwar	44	29·891	+·005	29·868	29·969	12th	29·800	24th	·169	76·4	85·5	+0·1	o 73·8	o +0·4	o 79·9	o +0·3	11·7	89·3	26th	71·0	21st	18·3
27	Malegaon	1,430	28·497	—·011	29·891	28·556	11th and 12th	28·385	1st	·171	78·5	94·9	+4·3	67·4	+1·6	81·2	+3·0	27·5	98·4	10th	61·1	9th	37·3
	Ahmednagar	2,154	27·797	0	29·902	27·858	12th	27·692	1st	·166	77·2	89·8	+1·7	67·1	+2·5	78·4	+2·1	22·7	95·4	19th	60·5	1st	34·9
	Poona	1,846	28·090	—·007	29·902	28·148	12th	27·999	1st	·149	74·4	89·5	+1·0	67·1	+0·6	78·3	+0·8	22·4	93·0	14th	61·3	9th	31·7
	Sholapur	1,590	28·332	—·007	29·881	28·392	11th	28·229	1st	·163	78·0	92·1	+2·2	69·6	+1·5	80·8	+1·9	22·5	94·8	12th and 13th	62·4	8th	32·4
	Bijapur	1,948	27·975	—·005	29·873	28·035	17th	27·885	1st	·150	77·5	90·3	+2·1	69·9	+2·1	80·1	+2·1	20·4	94·2	13th	63·2	8th	31·0
	Belgaum	2,539	27·386	—·005	29·868	27·450	11th	27·306	24th	·144	73·3	84·8	+1·7	66·0	+1·0	75·4	+1·4	18·8	87·8	24th	62·6	2nd and 10th.	25·2

N.B.—Elevations in italics indicate barometrical determinations.
NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

o Mean of 19 days.
d " " 30 "

B—*continued.*

stations in India, etc., in October, 1908—continued.

Wind direction. Number of winds from Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st October 1908.	Normal rainfall for period 1st May to 31st October.	Departure from normal of period 1st May to 31st October 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																VIII.—Rajputana—*contd.*
24	...	...	...	1	2	3	1	...	S27°W	...	3·1	4·0	—0·9	17	...	58	+4	·516	+·038	0	—1·1	0	0·20	—0·20	0	0·07	—0·07	21·84	12·49	+9·35	0	Pachpadra
7	10	3	...	...	1	...	1	9	N17°W	N42°W	3·4*	3·1	+0·3	59	+12	49	—1	·443	—·002	1·0	—0·1	0	0·50	—0·50	0	0·22	—0·22	35·42	24·48	+10·94	0	Jaipur.
21	2	1	...	...	...	...	5	2	N54°W	N53°W	2·3	4·1	—1·8	27	+5	55	+4	·471	+·047	0·9	0	0	0·40	—0·40	0·02	0·13	—0·11	21·42	19·27	+2·15	0·02	Sambhar.
14	1	2	...	...	...	3	4	7	N61°W	S82°W	4·5	2·8	+1·7	37	+8	68	+9	·537	+·073	1·2	+0·2	0	0·60	—0·60	0	0·29	—0·29	35·20	20·38	+14·82	0	Ajmer.
24	...	...	...	...	...	...	5	2	N78°W	...	1·4	...	...	20	...	45	...	·450	...	1·1	...	0	0·60	—0·60	0	0·14	—0·14	39·73	25·65	+14·08	0	Kotah.
24	1	...	...	...	...	3	1	2	N86°W	...	2·3	...	...	15	...	55	...	·488	...	1·2	...	0	0·80	—0·80	0·03	...	...	24·10	...	...	0·03	Udaipur.
																																IX.—Bombay.
5	7	3	5	1	1	4	3	2	N6°E	S77°E	7·0*	6·6	+0·4	20	—16	54	+4	·537	+·050	1·6	+0·3	0	0·45	—0·45	0·01	0·28	—0·27	37·51	23·61	+13·90	0·01	Deesa.
4	4	1	1	1	...	3	8	9	N59°W	N62°W	7·3	6·8	+0·5	53	+4	66	+6	·641	+·036	2·6	+1·5	0	0·50	—0·50	0	0·28	—0·28	11·45	13·99	—2·54	0	Bhuj.
2	...	4	4	1	1	4	7	8	N64°W	...	10·7	...	...	29	...	63	...	·692	...	0·9	...	0	...	...	0	...	...	24·14	...	...	0	Jamnagar
5	4	2	...	...	2	4	7	7	N67°W	...	7·9	...	...	46	...	76	...	·802	...	1·8	...	0	...	...	0	...	...	13·35	...	...	0	Dwarka.
1	3	3	3	3	...	5	4	9	N48°W	N5°W	5·8	5·7	+0·1	30	—9	60	—7	·606	—·052	1·8	+0·6	0	0·90	—0·90	0	0·49	—0·49	17·92	27·62	—9·70	0	Rajkot.
7	10	...	...	...	...	1	3	10	N33°W	N2°E	6·6	6·1	+0·5	62	—3	74	+8	·730	+·068	1·1	—1·2	0	0·10	—0·10	0	0·77	—0·77	22·13	17·55	+4·58	0	Veraval.
5	4	3	1	...	...	2	3	13	N40°W	N73°W	3·2	6·8	—3·6	53	+8	63	—1	·647	—·003	1·9	+0·4	0	0·90	—0·90	0	0·29	—0·29	22·97	18·99	+3·98	0	Bhavnagar.
8	2	4	7	1	3	3	...	3	N80E	N53°E	3·1	4·4	—1·3	20	+2	69	—4	·736	+·018	1·0	—1·0	0	2·20	—2·20	0·01	2·00	—1·99	47·13	43·73	+3·40	0·01	Para. Surat.
1	...	10	2	2	...	3	1	12	N2°W	N8°E	4·0	3·3	+0·7	36	+3	53	—3	·529	—·032	1·6	—0·1	0	0·80	—0·80	0	0·77	—0·77	32·21	32·56	—0·35	0	Ahmedabad.
1	4	12	9	3	...	...	...	2	N57°E	N81°E	7·4*	9·1	—1·7	69	+1	84	+2	·860	+·015	4·2	+0·8	2	2·70	—0·70	0·62	2·24	—1·62	53·32	74·45	—21·13	0·35	Bombay.
11	6	6	4	2	1	...	...	1	N46°E	S68°E	7·9	6·2	+1·7	43	+3	79	+1	·826	+·021	2·5	—1·2	1	5·00	—4·00	0·34	4·47	—4·13	85·24	106·61	—21·37	0·22	Ratnagiri.
3	4	7	10	3	4	...	...	...	N81°E	N80°E	4·4	4·1	+0·3	56	0	86	+1	·855	+·002	6·2	+2·2	2	...	...	0·66	5·42	—4·76	112·03	96·66	+15·37	0·53	Goa.
14	1	4	8	1	3	...	...	...	N90E	S67°E	J 4·1*	6·1	—2·0	37	+8	90	0	·899	+·009	5·9	+1·9	1	...	...	0·55	6·17	—5·62	109·75	91·18	+17·57	0·38	Mormugao.
22	6	2	...	...	...	1	...	...	N6°E	N48°E	2·4*	2·5	—0·1	23	—24	90	+1	·830	+·017	4·8	+0·8	2	8·50	—6·50	0·93	7·26	—6·33	127·24	120·97	+16·27	0·78	Karwar.
19	...	...	1	3	...	1	5	2	S71°W	N61°W	5·0	5·8	—0·8	13	—26	50	—13	·493	—·087	1·8	—1·3	1	3·00	—2·00	0·10	2·42	—2·32	12·33	23·04	—10·71	0·10	Malegaon.
3	8	1	...	4	2	...	1	12	N26°W	N36°E	7·6	8·0	—0·4	46	+14	53	—15	·491	—·106	2·0	—0·7	2	5·20	—3·20	0·99	2·14	—1·15	16·95	20·27	—3·32	0·54	Ahmednagar.
22	...	...	2	1	...	...	2	2	S72°W	S69°E	6·8*	6·3	+0·5	7	0	74	+3	·627	+·026	3·7	—0·2	2	5·60	—3·60	2·04	4·40	—2·36	20·02	25·82	—5·80	1·68	Poona.
2	6	4	6	4	...	...	...	9	N24°E	N68°E	8·0	8·2	—0·2	43	+20	57	—6	·545	—·036	4·2	—0·2	1	4·70	—3·70	0·11	4·16	—4·05	25·28	28·57	—3·29	0·11	Sholapur.
6	5	5	2	7	1	...	1	4	N50°E	N77°W	4·7	4·0	+0·7	27	+19	60	—14	·560	—·100?	2·8	—1·2	0	6·60	—6·60	0	4·50	—4·50	14·76	21·94	—7·18	0	Bijapur.
24	2	2	1	1	...	...	...	1	N36°E	N53°E	6·3*	9·6	—3·3	13	—5	75	—5	·609	—·016	4·5	0	5	8·70	—3·70	0·95	5·96	—5·01	56·19	45·85	+10·34	0·26	Belgaum.

* Uncorrected.
J.—Mean of 24 days.

TABLE

(2) *Abstract of observations taken at 8 hrs. at 23*

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs. in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range dur... ing month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	X.—Central India.																						
21	Neemuch	1,624	29·308	—·003	29·912	28·384	12th, 17th and 26th.	28·177	1st	·207	74·8	91·4	+1·0	62·9	—1·6	77·2	—0·3	28·5	95·0	1st	58·8	21st, 23rd and 29th.	86·
	Indore	1,823	28·128	+·020	29·919	28·192	17th	28·008	1st	·184	76·6	90·3	+2·4	63·4	—0·2	76·9	+1·1	26·9	93·1	9th	59·1	5th	34·
22	Nowgong	754	29·139	—·013	29·870	29·225	25th	28·972	1st	·253	72·3	90·4	+0·1	63·7	—1·4	77·0	—0·7	26·7	93·0	12th	54·0	29th and 30th.	39·
	Sutna	1,040	28·837	—·031	29·859	28·931	25th	28·675	1st	·256	74·3	89·0	+1·1	65·4	—0·3	77·3	+0·4	23·6	91·0	19th	56·2	29th	34·
	XI.—Central Provinces.																						
23	Buldana	2,132	27·818	...	29·896	27·877	11th and 16th.	27·695	1st	·182	78·1	87·7	...	68·8	...	78·2	...	18·9	90·0	12th	60·5	25th	29·
	Akola	930	28·993	—·005	29·890	29·048	11th	28·857	1st	·191	76·9	91·1	+2·8	66·6	+0·4	80·3	+1·6	27·5	99·2	10th	60·1	6th	39·
	Amraoti	1,215	(i) 28·712	—·006	(i) 29·891	28·760	17th	28·489	1st	·271	77·8	92·4	+1·8	67·7	—0·5	80·1	+0·7	24·7	94·3	21st and 26th.	61·3	7th	33·
24	Khandwa	1,014	28·884	+·005	29·905	28·944	17th	28·750	1st	·194	74·3	94·7	+3·6	67·1	+0·8	80·9	+2·2	27·6	96·7	13th	61·1	25th	35·
	Hoshangabad	1,006	28·924	—·006	29·914	28·993	25th	28·766	1st	·227	72·6	91·4	+1·8	64·3	—2·6	77·9	—0·4	27·1	94·1	22nd and 28th.	60·4	14th	33·
	Saugor	1,807	28·111	—·006	29·884	28·187	25th	27·942	1st	·245	76·8	89·4	+1·8	67·2	+1·5	78·3	+1·7	22·2	91·6	23rd	63·0	15th	28·
	Jubbulpore	1,327	28·584	—·005	29·902	28·658	25th	28·416	1st	·242	69·7	88·1	+0·7	62·4	—1·6	75·3	—0·5	25·7	90·0	5 days	51·8	30th	38·
	Seoni	2,033	27·898	+·003	29·901	27·961	25th	27·704	1st	·257	73·8	86·9	+0·3	61·5	—2·7	74·2	—1·2	25·4	89·8	21st	53·9	30th	35·
	Nagpur	1,017	28·899	+·005	29·889	28·961	25th	28·695	1st	·266	75·0	91·2	+1·1	66·6	—1·8	78·9	—0·4	24·6	93·6	11th	58·6	30th	35·
25	Pendra	2,123?	27·880	...	29·890	27·967	25th	27·707	1st	·260	74·0	84·3	...	63·7	...	74·0	...	20·6	86·8	10th	55·7	31st	31·
	Raipur	970	28·939	—·003	29·878	29·010	25th	28·756	1st	·254	73·8	88·5	+0·2	68·1	—1·6	78·4	—0·7	20·4	90·7	11th	62·1	30th	28·
	Chanda	634	29·276	—·006	29·866	29·336	17th	29·087	1st	·249	76·5	88·6	—1·5	66·9	—1·6	77·8	—1·6	21·7	91·5	10th	59·0	31st	32·
	XII.—Hyderabad.																						
28	Aurangabad	1,905	28·052	—·011	29·906	28·101	17th	27·929	1st	·172	79·8	91·5	+1·0	66·8	+0·6	79·2	+0·8	24·7	93·7	12th	61·2	9th	32·
	Nizamabad	1,260	28·669	+·010	29·893	28·737	17th	28·518	1st	·219	77·2	89·3	+0·4	67·0	—1·3	78·1	—0·5	22·3	91·9	12th and 14th.	62·7	9th, 24th and 25th.	29·
	Bidar	2,165	27·770	...	29·885	27·831	17th	27·648	1st	·183	76·4	86·4	...	64·7	...	75·6	...	21·7	88·9	20th	61·7	12th	27·
29	Gulbarga	1,503	28·421	—·006	29·883	28·483	11th and 12th.	28·306	1st	·177	77·5	90·8	+0·8	68·6	—0·4	79·7	+0·2	22·2	93·0	6 days	62·3	8th	30·
	Raichur	1,311	(d) 28·586	—·005	(d) 29·851	28·649	17th	28·491	1st	·158	79·1	90·1	+1·1	72·0	—0·2	81·1	+0·5	18·1	95·1	5th	67·1	9th	28·
	Hyderabad (Deccan).	1,690	28·229	0	29·883	29·297	12th	28·102	1st	·195	75·0	87·6	0	68·5	+0·4	78·1	+0·2	19·1	90·8	5 days	64·7	8th	26·
	Hanumkonda	871	29·034	—·011	29·859	29·100	17th	28·862	1st	·238	78·4	88·9	—1·2	70·7	—0·9	79·8	—1·1	18·2	91·5	30th	67·2	9th, 14th and 15th.	24·
	XIII.—Mysore.																						
30	Chitaldroog	2,405	27·531	—·007	29·878	27·598	12th	27·443	24th	·155	74·2	86·6	+2·0	68·0	+0·8	77·6	+1·4	18·0	90·6	11th and 12th.	63·4	25th	27·

N.B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

(d) Mean of 30 days.

(i) Mean of 28 days.

B—*contd.*

stations in India, etc., in October, 1908—contd.

Wind Direction. Number of winds from Calm	N	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind Steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st October 1908.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October 1908.	Heaviest rainfall during	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																X.—Central India.
2	10	4	...		...	3	8	4	N32°W	N2°E	4·7	6·0	−1·3	80	+38	47	— 2	·406	—·040	0·9	—0·2	0	0·90	—0·90	0	0·41	−0·41	25·08	29·10	—4·02	0	Neemuch.
13	6	1	4	2	...	2	3		N15°E	N18°E	2·3	2·2	+0·1	23	— 2	56	— 6	·517	—·025	1·8	+0·4	0	2·40	−2·40	0	1·43	—1·43	24·28	32·61	−8·33	0	Indore.
5	...	...	...	...	2	8	14	2	S74°W	S67°W	1·6	1·5	+0·1	72	+47	62	— 7	·505	—·062	0·9	−0·9	0	1·70	—1·70	0	1·25	—1·25	45·50	42·68	+2·82	0	Nowgong.
10	...	...	...	...	...	1	10	10	N71°W	N27°W	1·7	3·9	—2·2	62	+13	67	+ 1	·501	—·0697	3·0	+1·4	1	2·10	—1·10	0·96	2·45	−1·49	40·97	43·00	+3·97	0·86	Sutna.
																																XI.—Central Provinces.
...	3	1	2	3	4	1	8	9	N73°W	...	4·8	5·2	—0·4	32	...	46	...	·443	...	2·0	...	0	...	...	0	2·52	−2·52	32·98	33·98	—1·00	0	Buldana.
5	1	2	4	3	2	3	6	5	S86°W	N53°E	4·0	3·5	+0·5	13	— 5	54	—10	·592	—·068	2·9	+0·4	0	2·70	—2·70	0	2·74	−2·74	33·44	31·74	+1·70	0	Akola.
3	2	8	9	...	...	3	4	2	N46°E	N63°E	4·6	3·8	+0·8	31	+ 1	49	—12	·469	—·093	2·7	+0·2	0	2·40	—2·40	0	2·33	−2·33	28·74	32·36	−3·62	0	Amraoti.
18	...	...	1	3	1	3	2	3	S45°W	N2°E	3·0	3·1	—0·1	13	+ 2	55	— 7	·477	—·064	1·7	—0·2	0	2·00	—2·00	0	1·45	—1·45	18·61	30·13	—11·52	0	Khandwa.
19	...	...	5	...	1	3	3	...	S2°W	N79°E	0·9	1·7	—0·8	10	— 8	60	—11	·491	—·095	2·0	—0·1	0	2·10	—2·10	0	1·75	—1·75	36·88	50·24	—13·36	0	Hoshangabad.
5	1	...	1	4	3	8	8	1	S47°W	S27°W	4·0	3·1	+0·9	49	+35	44	—16	·462	—·108	1·1	—0·4	0	2·10	—2·10	0	1·27	—1·27	44·30	46·11	—1·81	0	Saugor.
3	1	...	3	9	8	5	2	...	S10°E	S27°E	(d) 1·3	1·9	—0·6	56	+20	72	— 3	·533	—·073	1·2	—0·8	1	2·20	—1·20	0·30	1·86	—1·56	58·22	56·44	+1·78	0·30	Jubbulpore.
19	3	2	1	2	2	1	...	1	N67°E	N9°E	(d) 2·5	2·7	—0·2	7	—16	59	—10	·470	—·095	2·9	+0·6	1	2·80	—1·80	0·15	2·03	—1·88	50·04	51·75	—1·71	0·15	Seoni.
6	11	7	...	...	...	...	3	3	(d) N1°W	N7°E	2·3	3·9	—1·6	58	+29	59	— 6	·516	—·079	2·4	—0·4	0	3·10	—3·10	0·01	2·43	—2·42	48·05	46·43	+1·62	0·01	Nagpur.
10	5	1	1	...	2	4	1	7	N50°W	...	3·1	...	...	30	...	56	...	·481	...	1·7	...	1	...	...	0·16	...	...	62·51	...	...	0·13	Pendra.
18	2	1	3	...	1	3	2	1	N74°W	N27°E	2·4	3·8	—1·4	4	—14	69	— 3	·530	—·064	1·3	—2·1	1	3·10	—2·10	0·16	2·09	—1·93	46·35	48·21	—1·86	0·13	Raipur.
18	2	2	2	...	1	1	3	2	N29°W	N14°E	1·7	2·3	—0·6	13	— 5	71	— 1	·653	—·010	2·8	+0·2	0	2·70	—2·70	0·07	2·00	—1·93	59·18	51·88	+7·30	0·07	Chanda.
																																XII—Hyderabad.
8	2	4	7	3	1	1	...	5	N59°E	...	(d) 6·6	...	...	30	...	47	...	·583	...	1·7	...	0	3·40	—3·40	0	1·80	—1·80	18·54	26·03	—7·49	0	Aurangabad.
27	...	...	...	...	...	...	...	4	N45°W	...	(g) 2·0	...	...	13	...	79	...	·738	...	2·7	...	0	2·90	—2·90	0	1·87	—1·87	50·23	38·19	+12·04	0	Nizamabad.
10	5	2	4	4	2	...	2	2	N59°E	...	6·5	...	...	19	...	66	...	·603	...	1·5	...	0	4·40	—4·40	0·02	3·07	—3·05	34·24	36·21	—1·97	0·02	Bidar.
9	4	3	9	2	1	1	...	2	N67°E	N72°E	7·3	8·3	—1·0	37	+14	67	— 3	·638	—·005	2·5	—1·1	0	5·00	—5·00	0·09	3·09	—3·00	29·38	29·35	+0·03	0·09	
6	2	4	1	8	2	5	1	2	S38°E	S79°E	7·2	7·2	0	23	+17	64	— 7	·642	—·031	3·8	+0·4	3	4·20	—1·20	0·74	4·31	—3·57	24·20	28·64	—4·44	0·46	Raichur.
23	...	...	3	2	...	...	2	1	S66°E	S68°E	3·1	3·9	—0·8	7	— 1	70	— 5	·601	—·067	7·0	+3·4	0	...	...	0·13	2·71	—2·58	37·06	28·45	+8·61	0·08	Hyderabad (Deccan).
16	4	...	...	2	2	...	1	6	N39°W	...	(d) 3·5	...	...	23	...	60	...	·643	...	3·0	...	0	4·10	—4·10	0	...	...	51·21	...	...	0	Hanumkonda.
																																XIII.—Mysore.
8	1	3	4	2	...	4	9	5	N73°W	S45°W	4·6	5·6	—1·0	27	+13	73	— 3	·617	—·028	3·7	−2·4	3	7·70	—4·70	0·51	3·28	—2·77	14·53	21·00	—6·47	0·14	Chitaldroog.

(d Mean of 30 days.
(g " " 29 "

Table

(2) *Abstract of observations taken at 8 hrs. at 235*

Number of sub-division.	Station.	Elevation of bar-cistern above sea level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XIII—Mysore *concld.*																						
	Hassan	3,149	26·831	+·003	29·899	26·905	12th	26·709	24th	·196	71·2	83·8	+2·5	64·4	0	74·1	+1·3	19·4	87·9	17th	61·1	1st	26·8
	Bangalore	3,021	26·941	−·015	29·887	27·015	12th	26·805	24th	·210	71·2	83·8	+2·4	65·5	+0·3	74·7	+1·4	18·3	89·3	17th	62·3	31st	27·0
	Mysore	2,518	27·433	−·011	29·594	27·505	12th	27·304	24th	·201	73·4	86·1	+2·0	67·2	+0·2	76·6	+1·1	18·9	91·0	17th and 18th.	65·0	2nd, 3rd and 31st.	26·0
	XIV.—Madras.																						
31	Mangalore	65	29·854	−·024	29·861	29·934	12th	29·699	24th	·235	80·1	85·3	−0·4	75·0	+0·4	80·2	0	10·3	87·2	20th and 26th.	72·9	1st	14·3
	Calicut	27	29·889	−·026	29·847	29·973	17th	29·709	24th	·264	78·9	86·2	0	75·3	+0·8	80·8	+0·4	10·9	88·8	19th and 20th.	73·1	22nd	15·7
	Cochin	9	29·923	−·013	29·880	29·997	17th	29·775	24th	·222	79·9	87·7	+1·5	74·8	+0·2	81·3	+0·9	12·9	91·7	17th	69·7	25th	22·0
	Trivandrum	198	29·724	−·016	29·854	29·815	17th	29·565	24th	·250	78·1	83·0	+0·3	74·4	+1·6	78·7	+1·0	8·6	86·5	13th	72·5	29th, 30th and 31st.	14·0
32	Tinnevelly	168	29·746	−·008	29·844	29·828	12th	29·614	23rd	·214	81·5	92·3 (d)	−1·4	75·7	−0·9	(d)84·0	−1·2	16·6	99·3	1st, 2nd and 3rd.	70·9	22nd	29·4
	Pamban	37	29·853	−·028	29·817	29·944	12th	29·717	24th	·227	80·8	87·0	−0·1	77·9	+0·6	82·5	+0·3	9·1	90·7	4th and 18th.	75·5	24th	15·2
	Madura	447	29·467	+·003	29·854	29·548	11th and 17th.	29·340	24th	·208	79·6	90·4	−0·9	73·0	−1·0	81·8	−1·0	17·4	97·4	1st	68·6	20th	28·8
	Periyakulam	944	28·966	...	29·857	29·043	12th	28·836	24th	·207	77·3	89·6	...	71·4	...	80·5	...	18·2	97·9	1st	68·3	30th	29·6
	Pudukkottai	318	29·592	...	29·845	29·679	11th	29·465	24th	·214	78·9	90·6	...	73·9	...	82·3	...	16·7	99·1	4th	70·0	8th	29·1
	Negapatam	31	29·864	−·019	29·823	29·947	12th	29·718	24th	·229	80·9	90·8	+2·4	76·0	+0·1	83·4	+1·3	14·8	99·4	1st	73·0	23rd	26·4
	Trichinopoly	255	29·655	−·009	29·815	29·737	11th	29·541	24th	·196	79·8	91·1	+0·1	74·0	−0·3	82·6	−0·1	17·1	98·6	1st, 2nd and 3rd.	70·3	9th	28·3
	Coimbatore	1,348	28·568	−·010	29·875	28·650	11th	28·433	24th	·217	75·3	89·0	+0·7	70·7	+0·1	79·9	+0·4	18·3	95·4	17th	66·3	21st and 22nd.	29·1
	Salem	940	29·001	−·006	29·889	29·076	17th	28·869	24th	·207	78·5	91·3	+1·7	73·0	+1·9	82·2	+1·8	18·3	96·0	3rd, 13th and 14th.	70·	12th	25·6
	Cuddalore	37	29·866	−·007	29·833	29·955	11th	29·738	24th	·217	79·6	90·0	+1·9	74·9	+0·2	82·5	+1·1	15·1	100·1	3rd	72·7	9th and 23rd.	27·4
	Vellore	707	29·206	...	29·860	29·281	11th	29·118	1st and 24th.	·163	78·0	90·3	...	72·4 (d)	...	81·3 (d)	...	17·9	95·7	13th	69·0	11th and 15th.	
	Madras	22	29·878	−·016	29·831	29·964	12th and 17th.	29·771	1st	·193	80·9	89·7	+0·7	74·7	−0·4	82·3	+0·2	15·0	96·5	3rd	70·0	12th	26·5
33	Cuddapah	433	29·478	−·004	29·852	29·540	17th	29·386	1st	·154	81·2	93·2	+1·3	74·3	+0·1	83·8	+0·7	18·9	98·2	4 days	67·6	25th	30·6
	Bellary	1,475	28·439	−·004	29·870	28·503	12th	28·347	1st	·156	77·9	92·6	+2·9	72·1	+1·0	82·4	+2·0	20·5	98·0	12th and 21st.	67·3	25th	30·7
	Kurnool	923	28·975	−·015	29·854	29·041	17th	28·873	1st	·168	76·1	91·1	+0·2	70·1	−0·9	80·6	−0·4	21·0	9[illegible]		63·1	9th	32·1
34	Nellore	52	29·834	−·006	29·829	29·910	17th	29·707	1st	·203	81·3	91·9	+0·7	76·4	+0·6	84·2	+0·7	15·5	99·8	3rd	72·1	25th and 28th.	27·7
	Masulipatam	15	29·903	?+·015	29·853	29·975	12th	29·754	1st	·221	81·2	90·1	+1·2	76·6	+0·6	83·4	+0·9	13·5	94·3	3rd	73·6	11th	20·7
	Cocanada	26	29·873	−·006	29·835	29·041	17th	29·729	1st	·212	80·3	88·8	+0·9	76·5	+·7	83·7	+0·8	12·3	92·7	12th and 18th.	72·5	9th	20·2
	Waltair (Vizagapatam).	236	29·672	−·006	29·841	29·737	17th	29·521	1st	·216	81·3	87·7	...	76·8	...	82·3	...	10·9	91·6	9th	72·9	9th	18·7
	Calingapatam	19	29·900 (f)	...	29·859 (f)	29·968	26th	29·779	2nd	·189	...	...	...	...	...	...	...	...	...	...	...	...	...

N.B.—Elevations in italics indicate barometrical determinations.
NOTE—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations the elevations of which exceed 3,200 feet.

(f) Mean of 28 days.
(d) Mean of 30 days.

B—*contd.*

stations in India, etc., in October, 1908—contd.

WIND DIRECTION. Number of winds from. Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	WIND VELOCITY. Mean velocity, miles per hour.	Normal.	Departure from normal.	WIND STEADINESS. Actual percentage.	Departure from normal.	HYGROMETRY, 8 HRS. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	CLOUD. Mean cloud amount at 8 hrs.	Departure from normal.	RAINFALL. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st October 1908.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October 1908.	Heaviest rainfall during month.	STATION
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																XIII—Mysore—*concld.*
8	1	6	6	1	...	1	4	4	N23°E	N53°E	5·0	2·5	+2·5	26	+3	82	0	·625	—·001	5·7	—1·4	4	9·50	—5·50	3·10	6·64	—3·54	17·00	28·72	—11·72	0·92	Hassan.
1	...	7	3	5	2	5	7	1	S4°E	N1°E	6·0	4·7	+1·3	10	+7	83	0	·632	+·005	5·3	—0·8	8	9·30	—1·30	2·32	6·36	—4·04	20·77	29·28	—8·51	0·70	Bangalore
4	1	4	4	...	3	6	8	1	S66°W	S72°W	7·3	7·3	0	23	+5	80	—3	·659	0	6·2	—0·8	8	9·40	—1·40	3·29	6·98	—3·69	21·20	25·01	—3·81	1·10	Mysore.
																																XIV—Madras
6	...	8	15	1	...	...	...	1	N75°E	S89°E	4·2*	2·2	+2·0	72	+32	84	—3	·854	+·010	4·1	—1·8	8	10·30	—2·30	2·99	7·55	—4·56	147·69	119·04	+28·65	0·89	Mangalore
12	3	2	7	4	1	1	.	1	N86°E	N76°E	5·4*	7·4	—2·0	33	—14	87	+1	·858	+·022	4·8	—0·9	5	11·80	—6·80	6·27	9·75	—3·48	101·28	104·12	—2·84	2·34	Calicut.
3	1	9	11	2	1	2	2	...	N77°E	N34°E	5·4*	4·4	+1·0	53	—1	81	—4	·824	—·027	5·0	—0·7	9	14·80	—5·80	7·24	13·92	—6·68	92·49	98·96	—6·47	3·05	Cochin.
2	5	1	1	3	...	...	.	18	N31°W	N14°W	4·6*	5·0	—0·4	62	+14	86	+2	·830	+·020	6·4	—0·4	14	11·90	+ 2·10	14·83	10·49	+4·34	47·72	46·63	+1·09	8·50	Trivandrum.
21	3	...	2	...	2	...	1	2	N11°W	N51°W	1·8	4·4	—2·6	8	—45	75	+3	·797	+·021	5·3	—0·5	12	8·40	+3·60	7·88	6·30	+1·58	13·27	10·28	+2·99	1·48	Tinnevelly
3	2	1	...	3	8	4	3	7	S56°W	S68°W	10·7	8·6	+2·1	30	+8	86	...	·891	...	4·9	...	11	9·50	+1·50	14·43	8·63	+5·80	19·54	11·59	+7·95	4·53	Pamban.
4	7	3	1	1	...	...	5	10	N28°W	N14°W	4·7	2·5	+2·2	56	—5	79	+5	·791	+·035	6·8	+1·0	20	11·40	+8·60	13·15	8·61	+4·54	33·77	23·25	+10·52	2·12	Madura.
29	...	...	...	...	1	1	...	...	S24°W	...	2·1	...	...	6	...	73	...	·684	...	3·7	...	12	10·60	+1·40	8·80	7·55	+1·25	16·31	16·47	—0·16	1·71	Periyakulam.
4	7	4	...	...	1	3	5	7	N37°W	...	6·9	...	...	48	...	83	...	·817	...	6·7	...	11	...	...	8·46	...	...	23·96	...	...	3·18	Pudukkottai.
4	2	1	1	...	...	7	10	6	N83°W	N85°W	5·8	4·7	+1·1	56	+16	79	—2	·824	—·038	5·7	—0·7	10	11·00	—1·00	20·01	11·65	+8·36	32·84	23·75	+9·09	5·76	Negapatam
10	3	1	...	.	...	2	12	3	N73°W	N77°W	3·1*	3·8	—0·7	53	+17	80	0	·804	+·001	6·2	—0·1	13	9·70	+3·30	9·33	7·15	+2·18	28·31	21·16	+7·15	2·98	Trichinopoly.
12	2	9	..	3	...	5	...	.	N60°E	S4°E	3·8	2·8	+1·0	20	—5	84	—3	·737	—·037	5·7	0	15	9·40	+5·60	11·70	5·98	+5·72	15·53	13·58	+1·95	2·42	Coimbatore
4	1	5	4	..	1	3	12	1	N74°W	S40°W	4·0	2·5	+1·5	23	+12	82	+1	·804	+·023	6·5	+0·6	11	9·50	+1·50	3·73	6·72	—2·99	28·36	32·20	—3·84	0·60	Salem.
2	3	1	..	1	3	7	6	8	N87°W	N69°W	5·0	2·2	+2·8	49	+2	85	—3	·862	—·0477	5·4	—0·6	12	11·00	+2·00	23·45	11·66	+11·79	36·96	29·01	+7·95	4·70	Cuddalore.
24	...	1	3	...	1	...	...	2	N63·E	...	2·0	...	...	6	...	79	...	·751	...	5·0	...	8	9·30	—1·30	6·97	7·51	—0·54	28·55	28·18	+0·37	2·04	Vellore.
...	3	1	1	1	9	6	7	3	S53°W	N83°W	3·9*	4·8	—0·9	46	+14	86	+3	·915	+·042	4·1	—1·6	9	12·50	—3·50	24·53	11·45	+13·08	40·93	28·93	+12·00	6·58	Madras.
...	...	8	2	6	...	7	3	5	E	N72°E	...	...	...	1	—21	69	—6	·718	—·060	3·9	—1·0	6	6·70	—0·70	5·95	5·78	+0·17	23·34	26·73	—3·39	2·97	Cuddapah.
12	3	2	2	2	1	1	4	4	N34°W	N62°W	3·2	4·3	—1·1	17	+16	60	—8	·571	—·064	4·2	—1·5	2	6·70	—4·70	0·57	4·27	—3·70	13·33	16·65	—3·32	0·30	Bellary.
14	...	1	5	1	...	4	2	4	W	N66°W	4·1*	...	...	4	—8	74	+1	·662	—·045	2·7	—1·4	2	5·90	—3·90	1·23	4·01	—2·78	27·07	25·81	+1·26	0·92	Kurnool.
5	3	2	2	1	4	3	3	8	N64°W	N68°W	4·6*	4·4	+0·2	23	+5	78	—3	·829	—·051	5·2	—0·3	8	8·70	—0·70	20·09	7·33	+12·76	33·66	20·14	+13·52	6·15	Nellore.
7	1	7	1	3	2	1	3	6	N1°E	N1°E	5·1	4·6	+0·5	17	—23	79	—5	·847	—·035	4·8	—0·4	8	8·60	—0·60	4·32	8·42	—4·10	24·23	32·95	—8·72	1·99	Masulipatam.
10	5	7	...	.	...	1	4	4	N12°W	N11°W	6·2	7·6	—1·4	40	—21	80	+3	·833	+·033?	5·5	+0·7	3	9·40	—6·40	1·88	8·72	—6·84	26·96	31·64	—4·68	1·11	Cocanada.
1	...	15	..	...	...	3	11	1	N20°W	N74°W	8·1	...	...	30	—15	69	—6	·742	—·068	5·2	+0·4	4	8·20	—4·20	1·75	10·23	—8·48	21·60	34·39	—12·79	1·06	Waltair (Vizagapatam.)
2	4	3	...	...	1	1	2	18	N37°W	...	4·7	...	...	68	...	...	...	...	...	1·8	...	3	...	...	1·69	...	...	26·69	...	...	0·65	Calingapatam.

* Uncorrected.

Table

(2) *Abstract of observations taken at 8 hrs. at 235*

Number of Sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XIV.—Madras—*concld.*																						
	Gopalpur . .	72	29·823	—·009	29·837	29·901	25th	29·665	1st	·236	79·5	89·3	+0·7	73·8	—0·4	81·1	+0·2	14·5	91·2	18th	69·0	25th	22·2
	Stations in the Bay.																						
1	P. V. Fraser .	8	29·893	...	29·820	29·975	25th	29·755	8th	·220	84·4	...	...	...	...	...	...	...	...	...	...	...	...
	Car Nicobar .	25	29·884	...	29·837	29·946	4th	29·817	26th	·129	80·8	85·6	...	75·4	...	80·5	...	10·2	88·2	17th	73·6	26th	15·6
	Port Blair . .	61	29·851	—·009	29·839	29·930	11th	29·748	31st	·182	79·4	85·6	—1·3	76·3	—1·0	81·0	—1·2	9·3	88·2	25th and 27th.	72·5	14th	15·7
	Slipper Island .	90	29·793	...	29·817	29·850	12th	29·720	31st	·130	81·8	85·8	...	77·4	...	81·6	...	8·4	89·1	25th	72·8	9th	16·5
	Kashmir.																						
14	Srinagar . .	*5,204*	24·962	—·023	24·933	25·087	25th	24·868	9th	·219	44·8	69·3	—0·4	40·5	+0·7	54·9	+0·2	28·8	73·6	11th, 12th and 13th.	31·6	31st	42·0
	Gulmarg S. . .	*8,569*	21·915	...	21·883	21·989	14th	21·838	1st	·151	43·3	54·7	...	32·1	...	43·4	...	22·6	58·7	9th	29·3	3rd	29·4
	Sonemarg . .	*8,764*	21·904	...	21·872	22·011	25th	21·815	31st	·196	32·7	57·0	...	29·3	...	43·2	...	27·7	67·4	13th	23·1	31st	44·3
	Dras . . .	*10,079*	20·853	—·031	20·821	20·959	25th	20·722	1st	·237	32·9	55·4	—2·3	24·6	—2·7	40·0	—2·5	30·8	63·9	11th	15·5	31st	48·4
	Leh . . .	11,503	19·763	—·017	19·731	19·860	25th	19·660	1st	·200	39·5	57·3	—1·3	29·6	—0·3	43·5	—0·8	27·7	65·6	11th	22·0	31st	43·6
	Skardu . . .	*7,505*	23·936	—·026	22·906	23·043	25th	22·778	1st	·265	46·1	65·2	—1·2	40·2	—1·4	52·7	—1·3	25·0	72·9	11th, 12th, and 13th.	31·6	31st	41·3
	Gilgit . . .	4,890	25·211	...	25·184	25·338	14th	25·094	21st	·244	58·9	73·9	0	50·0 (*d*)	—3·1 (*d*)	62·0 (*d*)	—1·6	23·9	82·2	11th and 12th.	44·2	29th and 31st.	38·0
	Baluchistan.																						
16	Quetta . . .	5,502	24·719	—·009	24·679	24·831	26th	24·560	1st	·271	53·7	75·5	+0·9	31·5	—6·8	53·6	—3·0	44·0	84·1	6th and 7th.	23·8	28th and 31st.	60·3
	Chaman . . .	4,311	25·777	—·022	25·739	25·918	26th	25·618	1st	·300	59·3	78·6	—0·1	49·2	—1·5	63·9	—0·8	29·4	89·8	6th and 7th.	36·3	31st	53·5
	Robat . . .	...	27·009	...	26·967	27·245	26th	26·816	4th	·429	72·1	89·5	...	58·6	...	74·1	...	30·9	103·0	6th	42·7	31st	60·3
	Hill Stations excluding Kashmir and Baluchistan.																						
	Chitral . . .	*5,486*	...	...	...	...	...	...	...	...	50·3	79·4 (*d*)	...	43·5	...	61·4 (*d*)	...	35·9	90·2	2nd	36·0	28th and 29th.	54·2
	Para Chinar . .	6,000	24·439 (*h*)	... (*h*)	24·406 (*h*)	24·566	25th	24·284	1st	·282	61·2	73·6	...	47·8	...	60·7	...	25·8	81·9	7th	42·2	31st	39·7
	Cherat . . .	*4,256*	25·732	—·015	25·700	25·877	25th	25·570	1st	·307	62·6	73·8	—4·8	55·9	—1·3	64·9	—3·1	17·9	81·1	10th	48·0	31st	33·1
	Murree . . .	6,333	23·898	—·021	23·866	24·010	25th	23·787	1st	·223	57·6	67·2	—2·1	52·1	—1·2	59·7	—1·7	15·1	73·0	6th	41·5	1st	31·5

N.B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

S—Observations of 15 days.

(*d*).—Mean of 30 days.

(*h*) Mean of 26 days.

B.—contd.

stations in India, etc., in October, 1908—contd.

Wind direction. Number of winds from Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st October 1908.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																XIV—Madras —*concld.*
...	15	...	...	...	...	2	...	14	N26°W	N23°W	7·8	7·9	−0·1	86	+11	80	−2	·778	−·041	1·5	−3·0	2	7·90	−5·90	1·24	9·41	−8·17	35·28	40·50	−5·22	0·80	Gopalpur.
																																Stations in the Bay.
5	2	6	2	1	3	5	3	4	N45°W	...	3·0	...	...	10	...	80	...	·953	...	3·9	...	2	...	...	0·73	...	...	33·60	...	...	0·38	P.V. Fraser.
4	...	...	...	...	3	16	...	...	S38°W	...	3·3	...	...	78	...	86	...	·903	...	9·7	...	11	...	...	9·02	...	...	67·25	...	...	3·96	Car. Nicobar.
12	...	1	4	4	1	3	4	2	S	S68°W	5·7*	6·3	−0·6	12	−6	87	−2	·877	−·058	7·3	+0·9	17	...	...	6·72	11·76	−5·04	119·59	96·66	+22·93	1·62	Port Blair.
...	...	4	7	4	4	6	2	4	S34°E	...	10·4	...	...	23	...	85	...	·915	...	8·4	...	10	...	...	5·78	...	...	70·12	...	...	0·77	Slipper Island.
																																Kashmir.
8	1	1	2	8	7	2	1	1	S24°E	S51°E	2·5	3·0	−0·5	43	+21	85	−3	·252	−·030	1·2	−1·2	2	2·70	−0·70	1·74	0·84	+0·90	13·49	11·25	+2·24	0·89	Srinagar.
4	1	5	1	2	2	...	...	...	N80°E	...	5·8	...	...	20	...	82	...	·234	...	2·0	...	2	...	...	2·29	...	...	†25·10	...	...	1·30	Gulmarg.
23	...	4	2	2	...	...	...	...	N78°E	...	2·9	...	...	20	...	81	...	·153	...	1·6	...	4	...	...	2·03	...	...	20·72	...	...	0·82	Sonemarg.
31	...	...	...	...	...	...	...	...	(*a*)	...	4·8	...	...	...	...	71	...	·133	...	1·3	...	0	3·10	−3·10	0·22	0·99	−0·77	4·36	6·45	−2·09	0·07	Dras.
28	...	...	...	...	...	1	2	...	S75°W	S83°W	2·6*	2·0	+0·6	10	−33	36	−17	·086	−·036	1·6	−0·8	0	0·10	−0·10	0	0·22	−0·22	3·90	1·75	+2·15	0	Leh.
26	...	...	...	1	2	2	...	...	S10°W	...	6·0‡	...	...	13	...	46	...	·154	...	1·9	...	0	0·10	−0·10	0·01	0·02	−0·01	4·34	2·95	+1·39	0·01	Skardu.
29	...	...	...	...	...	1	1	...	S66°W	...	1·7	...	...	7	...	52	+5	·260	−·032	2·8	−0·6	1	0·30	+0·70	0·25	0·20	+0·05	5·01	2·55	+2·46	0·19	Gilgit.
																																Baluchistan.
28		1	...	...	...	1	...	1	N45°W	N59°W	2·1	1·9	+0·2	3	0	38	−6	·159	−·032	0	−0·4	0	0·20	−0·20	0	0·09	−0·09	1·01	2·41	−1·40	0	Quetta.
20	...	...	...	1	4	5	1	...	S25°W	S45°E	6·0	8·0	−2·0	30	−24	39	+8	·200	+·019	0·1	−0·5	0	0·10	−0·10	0	0·04	−0·04	0	0·32	−0·32	0	Chaman.
7	1	13	1	...	...	3	5	1	N15°E	...	7·1	...	...	30	...	75	...	·620	...	0·1	...	0	...	...	0	...	...	0	...	...	0	Kohat.
																																Hill stations excluding Kashmir and Baluchistan.
31	...	...	...	...	...	...	...	...	(*a*)	...	8·8	...	...	...	...	68	...	·251	...	1·9	...	2	...	...	0·46	...	...	3·32	...	...	0·25	Chitral.
30	...	...	1	...	...	...	...	...	E	...	4·3 (*d*)	...	...	3	...	30	...	·210	...	0	...	1	1·00	0	0·30	0·37	−0·07	13·36	12·83	+0·53	0·26	Para Chinar.
14	13	...	...	...	...	1	...	3	N11°W	N11°W	6·8	10·2	−3·4	46	−5	43	+7	·245	+·021	0·3	−0·6	1	...	...	0·3	0·09	+0·26	18·18	11·92	+6·26	0·35	Cherat.
8	5	...	...	7	6	...	...	5	S31°E	N27°W	6·9	6·2	+0·7	7	−12	44	+2	·210	+·006	1·3	0	2	3·30	−1·30	1·29	1·32	−0·03	54·57	38·90	+15·67	0·65	Murree.

(*a*)—Indeterminate.
*Uncorrected.
(*d*) Mean of 30 days.
k Mean of 28 days.

† Rainfall since 29th May 1908.

Ta

(2) *Abstract of observations taken at 8 hrs. at*

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of Air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Hill stations excluding Kashmir and Baluchistan—*concld.*																							
	Kailang	*10,087*	21·012	...	20·967	21·116	25th	20·898	1st	·218	39·8	62·1	+1·7	30·7	—0·7	46·5	+0·5	31·4	71·7	13th	26·2	31st	
	Simla	7,224	23·152	—·025	23·114	23·230	16th	23·059	9th	·171	56·0	63·6	+1·2	51·1	+0·1	57·4	+0·7	12·5	68·6	1st	46·1	31st	
	Sarain	...	23·194	...	...	23·273	16th	23·107	9th	·166	44·3	65·1	...	41·3	...	53·2	...	23·8	70·0	10th	34·3	30th	
	Kalabagh	...	20·154	...	...	20·248	16th	20·055	31st	·193	41·5	49·8	...	36·9	...	43·4	...	12·9	57·1	13th	31·1	31st	
	Chakrata	7,022	23·332	—·008	23·292	23·419	16th	23·244	9th	·175	56·1	71·9	+5·7	51·0	+0·1	61·5	+2·9	20·9	75·3	6th, 7th and 18th.	44·2	31st	
	Muktesar	7,592	22·873	—·047	22·832	22·964	16th	22·784	9th	·180	56·5	68·0	+1·8	49·3	—0·7	58·7	+0·6	18·7	72·0	6th	42·5	30th and 31st.	
	Darjeeling	7,376	23·058	—·033	23·013	23·151	16th	22·949	9th	·202	56·4	63·1	+2·6	49·5	—0·3	56·3	+1·2	13·6	70·3	20th	42·7	31st	
	Shillong	4,920	25·146	...	25·098	25·216	16th	25·006	9th	·210	62·7	71·5	...	53·9	...	62·7	...	17·6	76·9	3rd and 17th.	42·7	26th	
	Cherra Poonjee	4,309	25·699	...	25·650	25·766	17th	25·545	9th	·221	65·3	71·9	...	59·5	...	65·7	...	12·4	77·2	17th	52·8	24th and 29th.	
	Maymyo	3,545	26·441	—·026	26·386	26·516	25th	26·361	8th	·155	68·3	77·0	+0·1	61·2 (*d*)	+1·7	69·1 *d*	+0·9	15·8	80·9	17th	55·1	27th	
	Pachmarhi	3,528	26·494	+·002	26·441	26·554	17th	26·342	1st	·212	70·4	79·5	+1·4	58·5	—1·2	69·0	+0·2	20·9	81·2	21st and 22nd.	52·6	24th	
	Mount Abu (*l*)	3,945	26·096	—·026	26·036	26·154	20th	25·953	1st	·202	71·1	77·5 *m*	—0·8 *m*	64·3	+0·2	70·9 *m*	—0·3	13·2	80·2	20th and 29th.	60·9	5th	
	Mercara	3,781	26·223	—·013	26·156	26·304	12th	26·097	24th	·207	67·2	76·5	+0·7	61·7	—0·5	69·1	+0·1	14·8	80·0	4 days	59·0	20th and 21st.	
	Ootacamund	7,382	23·025	...	22·961	23·103	11th	22·905	24th	·198	57·0	63·5	...	50·3	...	56·9	...	13·2	67·0	4th	45·7	1st, 12th and 13th.	
	Kodaikanal	7,688	22·817	—·026	22·752	22·881	17th	22·697	24th	·184	55·4	61·2	—1·5	51·5	+0·2	56·4	—0·7	9·7	67·5	1st	50·0	21st	
Extra India.																							
	Singapore (*a*)	10	29·936	...	29·867	30·016	11th	29·828	14th	·188	83·2	87·7	...	74·2	...	81·0	...	13·5	90·0	13th	72·5	25th	
	Penang (*a*)	20	29·898	...	29·843	29·952	20th	29·826	8th	·126	80·9	87·6	...	73·4	...	80·5	...	14·2	91·0	2nd and 4th.	71·0	13th	
	Trincomalee	12	29·904	+·013?	29·842	30·000	12th	29·769	24th	·231	76·5	89·1	+0·7	75·1	—0·4	82·1	+0·2	14·0	94·0	6th and 19th.	72·5	22nd	
	Colombo	40	29·885	—·031	29·851	29·959	11th	29·721	24th	·238	76·9	85·8	+0·1	75·2	—0·2	80·5	—0·1	10·6	89·0	15th and 21st.	71·0	22nd	
	Minicoy	7	29·951	...	...	30·027	17th	29·794	25th	·233	...	...	...	...	...	...	...	...	...	...	...	...	
	Amini Divi	*13*	...	...	...	...	...	...	...	...	...	... (*d*)	...	...	...	... *d*	...	...	...	...	...	...	
	Gyantse	13,120	...	...	...	...	...	...	...	...	36·6	64·8	...	27·8	...	46·2	...	37·0	71·1	5th	18·9	30th	5
	Pharijong	14,400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Gangtok	5,660?	24·442	...	...	24·510	31st	24·333	1st	·177	63·5	72·9	...	54·0	...	63·5	...	18·9	77·3	17th	41·2	22nd	3
	Gartok	15,100?	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Kashgar (*c*)	4,255	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Kabul	...	24·322	...	24·291	24·447	25th	24·167	1st	·280	55·9	80·1	+4·8	41·0	—0·4	60·6	+2·2	39·1	87·9	28th	31·9	30th	5
	Meshed	3,104	26·929	...	...	27·224	26th	26·670	2nd	·554	49·2	70·3	...	35·6	—2·0	53·0	...	34·7	88·2	9th	23·3	31st	6
	Jask	13	29·937	+·001	29·907	30·052	26th	29·753	1st	·299	81·5	89·7	—1·0	76·3	+0·8	83·0	—0·1	13·4	95·8	1st	69·8	29th	2
	Muscat	20	29·932	—·018	29·900	30·027	26th	29·749	1st	·279	83·7	92·7	+6·9	80·0	—1·1	86·4	+2·9	12·7	100·3	2nd	76·1	20th and 21st.	2

N. B.—Elevations in italics indicate barometrical determinations.
NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.
(*a*) 9 hrs. observations. (*c*) Aneroid corrected.

l Mean of 22 days.
m Mean of 21 days.
d Mean of 30 days.

B.—*contd.*

stations in India, etc., in October, 1908—contd.

Wind Direction.										Wind Velocity.			Wind steadiness.	Hygrometry, 8 hrs.				Cloud.		Rainfall.								Heaviest rainfall during month.	Station.
Number of winds from.																												
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Mean velocity, miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st October 1908.	Normal rainfall for period, 1st May to 31st October	Departure from normal of period, 1st May to 31st October 1908		
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Hill stations excluding Kashmir and Baluchistan.—*concl'd.*
...	1	1	...	15	11	2	1	...	S23°E	...	1·7	1·6	+0·1	74	...	47	...	·116	...	1·5	...	1	...	...	0·25	0·45	—0·20	7·30	8·77	—1·47	0·25	Kailang
2	21	...	...	1	6	1	...	..	N	N23°E	5·0	4·5	+0·5	44	—3	42	—7	·192	—·016	0·6	—0·2	0	1·30	—1·30	0	0·98	—0·98	42·60	52·27	—9·67	0	Simla.
10	...	.	...	...	9	12	..	...	S27°W	...	3·4	...	...	65	...	66	...	·199	...	0·5	...	0	...	...	0	...	...	41·22	...	...	0	Sarain.
11	12	2	...	...	4	.	...	2	N	...	5·3	...	...	35	...	50	...	·131	...	0·7	...	0	...	...	0·08	...	...	† 54·08	...	...	0·03	Kalabagh.
13	15	2	...	...	1	..	...	...	N6°E	N39°E	6·0	6·2	—0·2	49	+17	51	—9	·242	—·042	0·5	—0·5	0	1·20	—1·20	0	0·78	—0·78	55·74	57·33	—1·59	0	Chakrata.
26	...	...	1	1	...	..	3	...	S60°W	...	2·9	...	...	3	...	46	...	·213	...	0·8	...	0	...	...	0·05	...	...	28·27	...	...	0·05	Muktesar.
4	3	6	3	6	...	4	2	3	N62°E	N73°E	2·8	3·3	—0·5	17	—15	80 (*d*)	—9	·367 (*d*)	—·013	4·2	—1·5	2	4·87	—2·87	0·91	4·35	—3·44	84·75	116·18	—31·43	0·59	Darjeeling
30	.	...	...	...	...	1	...	...	S15°W	...	1·4	...	...	3	...	81	...	·467	...	3·0	...	7	9·10	—2·10	2·90	5·65	—2·75	63·20	71·23	—8·03	0·90	Shillong.
13	..	7	4	...	...	3	3	1	N42°E	...	3·4	...	...	17	...	81	...	·508	...	4·6	...	11	8·20	+2·80	8·16	13·59	—5·43	266·62	8·06	—121·44	2·41	Cherrapoonjee.
14	...	1	..	4	3	1	1	...	S18°E	...	(*k*) 1·7	...	...	25	...	92	...	·643	...	3·4	..	13	11·20	+1·80	6·65	7·71	—1·06	41·13	52·10	—10·97	1·32	Maymyo.
12	1	2	4	1	...	1	4	6	N28°W	N34°E	2·6	3·2	—0·6	20	+9	55	0	·405	—·019	0·8	—1·8	1	3·30	—2·30	0·11	2·18	—2·07	70·55	73·48	—2·93	0·11	Pachmarhi.
1	3	3	1	1	1	5	3	4	N64°W	N27°W	(*m*) 6·7	4·9	+1·8	32	+14	41	—3	·310	—·027	1·3	+0·2	0	0·50	—0·50	0	0·69	—0·69	129·23	60·45	+68·78	0	Mount Abu.
4	7	7	4	...	...	...	...	9	N8°E	N27°E	4·5	4·2	+0·3	59	+34	85	—3	·554	—·029	5·7	—0·9	11	13·00	—2·00	6·70	8·61	—1·91	119·39	118·93	+0·46	1·45	Mercara.
6	4	5	8	4	1	1	1	1	N72°E	...	4·1	...	...	43	...	81	...	·376	...	5·5	...	17	13·70	+3·30	9·12	8·57	+0·55	32·28	35·76	—3·48	1·54	Ootacamund
...	7	4	3	5	3	...	2	7	N17°E	...	11·3*	...	...	27	...	88	...	·392	...	0·6	...	20	16·20	+3·80	16·42	12·49	+3·93	42·71	39·55	+3·16	2·12	Kodaikanal.
																																Extra India.
12	...	...	...	4	...	4	9	2	S68°W	...	5·2*	...	...	37	...	...	...	...	...	6·6	...	13	...	...	6·54	...	...	35·72	...	...	1·14	Singapore.
...	7	3	12	6	3	...	...	...	N84°E	...	11·1*	...	...	59	...	...	...	...	...	0·6	...	21	...	...	10·17	...	...	83·38	..	..	1·61	Penang.
11	...	...	...	...	...	16	4	...	S54°W	S45°W	2·9*	9·5	—5·6	59	—16	89	+5	·822	—·064	4·1	+0·7	11	...	...	10·32	7·14	+3·18	19·71	22·28	—2·57	3·13	Trincomalee.
1	1	1	...	2	4	18	4	..	S41°W	S41°W	5·1*	7·4	—2·3	69	+27	93	+13	·965	+·010	6·9	+0·7	11	...	...	13·07	14·80	—1·73	33·70	47·70	—14·00	3.05	Colombo.
...	6	1	1	...	1	1	7	14	N47°W	N78°W	5·2	7·4	—2·2	68	+11	...	...	...	...	4·0	—1·4	11	...	...	9·89	7·46	+2·43	61·82	41·58	+20·24	4·36	Minicoy.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·01	...	...	43·74	...	...	Amini Divi.
...	1	1	5	21	.	..	2	1	S56°E	...	0·8	...	...	68	...	58	...	·125	...	...	...	0	...	...	0	...	...	8·53	...	...	0	Gyantse.
..	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	▬	...	...	...	..	...	Pharijong.
39	...	2	...	...	...	...	.	...	N48°E	...	0·8	...	...	3	...	82	...	·486	...	0·5	...	4	...	...	1·35	...	...	96·34	...	...	0·48	Gangtok.
...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Gartok.
...	...	...	...	...	...	...	...	..	...	N38°W	...	1·7	...	...	...	...	...	...	...	...	...	...	...	...	...	0·05	...	...	3·06	...	...	Kashgar.
...	9	7	...	...	1	..	8	6	N22°W	S10°E	...	...	...	61	+49	49	...	·226	...	0	—0·5	0	...	...	0	0·32	—0·32	0·60	1·48	—0·88	0	Kabul.
22	2	...	3	2	1	..	1	...	S83°E	...	0·6	...	...	10	...	63	...	·225	...	2·9	+1·0	0	...	...	0·17	0·42	—0·25	3·13	1·43	+1·69	0·09	Meshed.
7	1	2	14	2	...	...	..	5	N71°E	N56°E	d 9·7	10·6	—0·9	46	+1	69	+ 4	·742	+·003	0·3	—0·2	0	...	...	0	0·04	—0·04	0	0·17	—0·17	0	Jask.
28	...	...	...	1	...	...	..	2	N45°W	N76°W	3·6	3·7	—0·1	3	—25	63	—3	·733	—·022	1·1	+0·8	0	...	...	0	0·02	—0·02	0	0·42	—0·42	0	Muscat.

d mean of 30 days.
k mean of 23 days.
m mean of 21 days.
j mean of 24 days.

* Uncorrected.
† Since 13th May 1908.

Table

(2) Abstract of observations taken at 8 hrs. at 235

Number of sub-division.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Extra India— *concld.*																						
	Bahrein . . .	18	29·963	...	29·933	30·067	26th	29·757	1st	·310	82·9	88·4	...	77·6	...	83·0	...	10·8	95·9	1st	70·8	25th	25·1
	Bushire . . .	14	29·919	—·026	29·892	30·049	26th	29·731	1st	·318	77·4	88·5	+0·7	70·8	—0·4	79·7	+0·2	17·7	96·1	3rd	65·1	15th, 16th and 21st.	31·0
	Busrah . . .	25	29·962	...	29·947	30·098	26th	29·743	1st	·355	70·7	92·1	...	71·0	...	84·3	...	21·1	100·9	1st	67·5	1st and 6th.	33·4
	Ispahan (*b*) . .	*5,817*	24·416	...	...	24·540	26th	24·290	4th	·250	57·8	77·8	+0·4	47·6	+3·2	62·7	+1·8	30·2	89·9	4th	40·2	14th	49·7
	Tehran (*b*) . .	*4,002*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Baghdad . .	220	29·862	+·037	30·061	30·015	12th	29·705	1st	·310	70·2	93·2	+0·4	64·6	+2·3	78·9	+1·4	28·6	101·3	1st	57·8	30th	43·5
	Beirut . . .	...	...	...	29·988	...	...	...	...	...	74·6	80·2	...	68·6	...	74·4	...	11·6	83·6	4th	64·2	11th	19·4
	Aden . . .	94	29·867	—·006	29·893	29·963	17th	29·773	31st	·190	82·9	89·2	—1·0	78·5	+0·8	83·9	—0·1	10·7	94·3	1st	73·4	22nd	20·9
	Perim . . .	201	29·693	—·041	29·828	29·763	18th	29·627	1st	·136	85·0	91·3	+0·2	81·0	+0·5	86·2	+0·4	10·3	94·5	5th	77·8	30th	16·7
	Zanzibar . .	72	30·001	—·015	30·000	30·075	12th	29·935	31st	·140	79·0	83·6	+0·4	75·2	—0·1	79·4	+0·2	8·4	87·0	19th	72·8	2nd	14·2
	„ Dunga .	*164*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

N.B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,300 feet.

(*b*) Aneroid uncorrected. (*c*) Aneroid corrected.

* Mean of 7 days.

B—*concld.*

tations in India, etc., in October, 1908—concld.

Wind Direction.										Wind Velocity.			Wind Steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Station.
Number of winds from										Resultant direction.	Normal direction.	Mean velocity, miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st October 1908.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October 1908.	Heaviest rainfall during month.	
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																						
25	26	27	28	29	30	31	32	33		34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Extra India—*concld.*
...	6	3	2	1	...	1	9	9		N40°W	...	5·7	...	...	55	...	79	...	·886	...	0	...	0	...	...	0	...	...	0	...	...	0	Bahrein
4	4	15	4	2	...	...	...	2		N45°E	N67°E	7·8	6·1	+1·7	69	+11	68	+6	·642	+·019	0·4	—0·6	0	...	...	0	0·08	—0·08	0·07	0·08	—0·01	0	Bushir
4	1	...	...	1	1	2	17	5		N87°W	...	(i) 4·8	...	...	68	...	67	...	·508	...	0·3	...	0	...	...	0	...	...	0·25	...	...	0	Busrah.
19	2	1	...	...	...	...	4	3		N45°W	N74°W	(c) 1·5	2·9	—1·4	28	+ 4	54	—1	·255	—·011	0·6	—0·9	0	...	...	0	0·21	—0·21	0·23	0·38	—0·15	0	Ispahan.
...	...	...	...	...	...	...	...	...		...	N18°E	...	2·9	...	...	...	...	...	...	...	...	...	...	...	...	...	0·10	...	...	1·07	...	...	Tehran.
10	15	1	...	...	1	...	...	4		N6°W	N6°W	6·9	2·8	+4·1	68	+25	38	—17	·285	—·118	1·6	+1·0	0	...	...	0	0·04	—0·04	0·11	0·37	—0·26	0	Baghdad.
7	1	6	2	...	...	15	...	...		S39°W	...	...	...	...	23	...	64	...	·550	...	3·2	...	0	...	...	0·08	...	...	1·13	...	...	0·06	Beirut.
1	...	27	...	...	2	1	...	...		N48°E	N78°E	12·2	12·8	—0·6	76	+ 8	70	+ 2	·789	+·048	2·0	—0·1	0	...	...	0	0·01	—0·01	0·87	0·51	+0·36	0	Aden.
...	2	...	8	8	10	1	...	2		S43°E	S68°E	14·9	18·5	—3·6	55	—24	68	— 1	·822	—·002	...	...	0	...	...	0	0·07	—0·07	1·95	0·91	+1·04	0	Perim.
7	...	1	1	8	4	8	2	...		S1°W	S20°E	4·3	5·0	—0·7	48	—21	79	— 3	·782	—·102	6·7	+0·7	5	...	...	2·58	2·99	—0·41	27·05	21·35	+5·70	1·49	Zanzibar.
...	...	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	

(i) Mean of 25 days.
(c) „ „ 29 „

Table C.—Abstract of observations taken at 8 hrs. at 30 fourth class stations in India, etc., in October, 1908.

TABLE

Abstract of observations taken at 8 hrs. at 30 fourth

Number of subdivision.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month	Number of wind from									Resultant direction.	Normal direction.
															Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	II.—Eastern Bengal and Assam.																								
4	Bishnath	72·9	86·8	...	59·5	...	73·2	...	27·3	92·3	8th	50·7	26th	41·6	...	...	..	...	...	...	...	...	...	...	...
	Borjuli	76·6	88·7	...	68·0	...	78·4	...	20·7	93·0	8th	59·1	26th	33·9	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	75·3	88·1	...	67·7	...	77·9	...	20·4	93·4	7th	52·5	31st	40·9	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	71·5	84·9	...	67·1	...	76·0	...	17·8	89·1	1st & 8th.	59·2	30th	29·9	...	...	...	...	...	...	...	...	...	...	...
	Dikom	71·8	85·2	...	67·9	...	76·6	...	17·3	91·6	18th	58·4	27th	33·2	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	74·9	85·1	...	69·1	...	77·1	...	16·0	90·6	3rd	59·0	30th	31·6	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	72·3	88·3	...	70·9	...	79·6	...	17·4	92·0	7th, 8th & 17th.	63·0	24th	29·0	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	75·2	88·5	...	69·7	...	78·1	...	16·8	91·9	8th	61·6	30th	30·3	...	...	...	...	...	...	...	...	...	...	...
	Messa	78·5	93·2	...	65·9	...	79·6	...	27·3	97·8	7th	56·3	27th	41·5	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	68·1	86·7	...	66·5	...	76·6	...	20·2	92·4	8th	58·5	26th	33·9	...	...	...	...	...	...	...	...	...	...	...
	Srimangal	77·5	89·6	...	69·1	...	79·4	...	20·5	93·0	19th	59·8	25th	33·2	...	...	...	...	...	...	...	...	...	...	...
5	Brahmanbaria	79·4	89·4	...	72·0	...	80·7	...	17·4	93·0	17t	63·1	31st	29·9	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim (*c*)	72·0	91·6	...	66·9	...	79·3	...	24·7	95·3	18th	57·9	29th	37·4	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	81·4	91·8	...	69·5	...	80·7	...	22·3	97·1	19th	58·6	31st	38·5	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	79·5	89·0	...	65·7	...	77·4	...	23·3	92·1	6th & 16th.	56·9	22nd	35·2	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata (*c*)	75·3	89·7	...	66·1	...	77·9	...	23·6	93·1	6th	59·0	22nd	34·1	...	...	...	...	...	...	...	...	...	...	...
	Pabna	81·8	93·9	...	70·3	...	82·1	...	23·6	97·4	20th	51·3	28th	46·1	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
6	Fraserganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	XI.—Central Provinces.																								
24	Chhindwara	72·0	86·7	...	60·9	...	73·8	...	25·8	89·7	21st & 22nd.	54·9	30th	34·8	...	1	5	2	...	1	2	9	11	N 52° W	...
	Hill Stations.																								
	Panighatta	79·7	87·6	...	67·3	...	77·5	...	20·3	90·7	6th	62·0	30th	28·7	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	63·8	71·8	...	58·6	...	65·2	...	13·2	83·5	13th	52·0	30th	31·5	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	62·5	...	42·2	...	52·4	...	20·3	70·7	13th	37·0	23rd & 31st.	33·7	21	...	...	...	1	4	5	...	...	S 21° W	...
	Kargil	42·1	65·5	...	34·3	...	49·9	...	31·2	72·7	13th	28·6	31st	44·1	...	4	9	...	...	...	3	6	9	N 28° W	...
	Killa Drosh	54·5	76·1	...	51·7	...	64·0	...	24·4	83·4	10th	47·0	31st	36·4	27	...	...	3	...	...	...	1	...	E	...
	Pishin	...	76·6	...	39·3	...	58·0	...	37·3	86·4	6th & 7th.	30·0	31st	56·4	...	...	...	...	...	...	...	...	...	...	...
	Kalat	(*a*) 56·2	72·9	−0·8	32·1	+2·5	52·5	+0·9	40·8	83·5	6th	21·3	28th	62·2	...	11	...	2	...	18	...	...	...	S 22° E	...
	Extra India.																								
	Ahwaz*†	...	97·1	...	68·3	...	82·7	...	28·8	109·1	1st	60·0	18th	49·1	...	...	...	...	...	...	...	...	...	...	...
	Birjand	57·2	73·8	...	46·2	...	60·0	...	27·6	84·2	8th	31·5	31st	52·7	8	1	13	...	1	1	...	...	...	N 48° E	...
	Chumbi	(*a*) 41·5	(*a*) 61·1	...	35·2	...	48·1	...	25·9	66·4	2nd	25·4	24th	41·0	...	...	31	...	...	...	...	...	...	N 45° E	...
	Koweit	...	92·4	...	72·8	...	82·6	...	19·6	104·1	1st	65·8	30th	38·3	1	1	...	...	1	...	...	9	18	N 58° W	...
	Maidan	...	96·5	...	64·7	...	80·7	...	31·8	105·0	1st	54·7	12th	50·3	1	...	...	...	...	...	7	17	6	S 88° W	...

(*a*) Uncorrected. (*c*) Mean of 24 days.

* 10 hours observations. † Observations of 27 days.

C.

class stations in India, etc., in October, 1908.

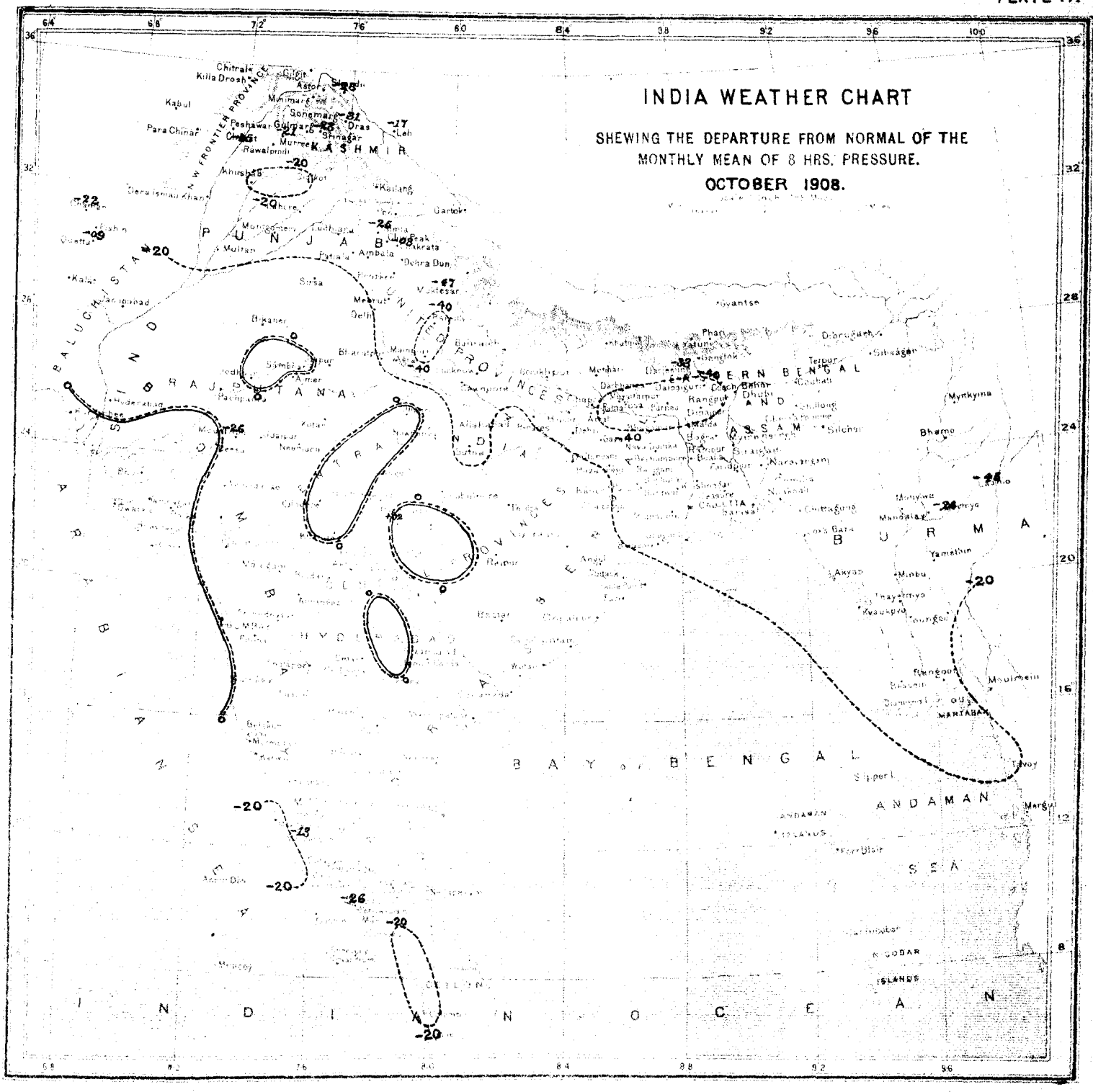
WIND VELOCITY.			WIND STEADINESS.		HYGROMETRY, 8 HRS.				CLOUD.		RAINFALL.									HEAVIEST RAINFALL DURING MONTH.	STATION.
Mean velocity miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 31st October 1908.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October 1908.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Eastern Bengal and Assam.
...	...	...	...	...	92	...	·750	...	...	...	9	...	...	5·70	...	...	73·07	...	...	1·35	Bishnath.
...	...	...	...	...	84	...	·770	...	...	...	7	...	...	3·09	...	...	63·03	...	...	1·15	Borjuli.
...	...	...	...	...	88	...	·789	...	...	...	8	...	...	6·85	...	...	80·28	...	...	2·00	Chandkhira.
...	...	...	...	...	93	...	·727	...	...	...	9	...	...	5·01	...	...	81·29	...	...	1·14	Doom Dooma.
...	...	...	...	...	93	...	·739	...	....	...	11	...	...	6·55	...	...	88·79	...	...	1·55	Dikom.
...	...	..	...	...	89	...	·780	...	...	...	6	...	...	2·59	...	...	53·21	...	...	1·10	Golaghat.
...	...	...	...	...	95	...	·755	...	...	...	8	...	...	5·03	...	...	94·90	...	...	1·34	Hailakandi.
...	...	...	...	...	89	...	·770	...	...	...	7	...	...	2·80	...	...	66·16	...	...	0·90	Jorehat.
...	...	...	...	...	78	...	·763	...	...	...	5	...	...	2·55	...	...	76·12	...	...	1·03	Mossa.
...	...	...	...	...	94	...	·650	...	...	...	5	...	...	2·46	...	...	41·62	...	...	1·47	Panerihat.
...	...	...	...	...	85	...	·813	...	...	...	6	...	...	1·54	...	...	66·06	...	...	0·53	Srimangal.
...	...	...	...	...	84	...	·849	...	...	...	5	...	...	3·17	...	...	51·29	...	...	1·50	Brahmanbaria.
...	...	...	...	...	93	...	·732	...	...	...	6	...	...	3·08	...	...	132·09	...	...	0·93	Dam Dim.
...	...	...	...	...	75	...	·812	...	...	...	2	...	...	1·87	...	...	38·82	...	...	1·15	Goalundo.
...	...	...	...	...	75	...	·769	...	...	...	1	...	...	4·97	...	...	117·75	...	...	4·92	Kalchini.
...	...	...	...	...	79	...	·700	...	...	...	4	...	...	6·08	...	...	130·63	...	...	3·54	Nagrakata.
...	...	...	...	...	71	...	·785	...	...	...	1	...	...	0·20	...	...	57·44	...	...	0·10	Pabna.
																					III.—Bengal.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Fraserganj.
					(*b*)		(*b*)														**XI.—Central Provinces.**
1·3*	...	...	55	...	64	...	·508	...	...	...	1	...	...	0·12	...	...	20·94‡	..	...	0·12	Chhindwara.
																					Hill Stations.
...	...	...	...	...	62	...	·630	...	...	...	1	...	...	1·62	...	...	117·02	...	...	1·56	Panighatta.
...	...	...	...	...	76	...	·452	...	...	...	3	...	...	1·60	...	...	134·92	...	...	0·92	Kurseong.
...	...	..	26	...	...	...	...	...	1·4	...	0	...	...	0·09	0·75	—0·66	2·92	3·77	—0·85	0·05	Poo.
...	...	...	55	...	52	...	·138	...	0·7	...	0	...	...	0	...	...	3·71	...	...	0	Kargil.
...	...	...	6	...	54	...	·226	...	1·7	...	1	...	...	0·28	...	...	4·30	...	...	0·18	Killa Drosh.
...	...	...	...	...	...	...	...	...	...	...	0	...	...	0	0·09	—0·09	0·17	0·55	—0·38	0	Pishin.
...	...	...	19	...	52	...	·235	...	0	...	0	...	...	0	0·08	—0·08	2·39	1·73	+0·66	0	Kalat.
																					Extra India.
...	...	...	...	...	...	...	...	...	...	...	0	...	...	0	...	...	...	...	...	0	Ahwaz.
(*d*) 7·0†	...	...	58	...	(*b*) 30	...	(*b*) ·142	...	0·4	...	0	...	...	0	...	...	0	...	...	0	Birjand.†
...	...	...	100	...	82	...	·223	...	...	...	1	...	...	0·41	...	...	...	...	...	0·35	Chumbi.
...	...	...	80	...	...	...	...	...	0·3	...	0	...	...	0	...	...	0§	...	...	0	Koweit.‖
...		...	84	...	...	...	...	...	...	..	0	...	...	0	...	...	0·20	...	...	0	Maidan.

* *Corrected.*
† Wind directions for 24 days.
‡ Total rainfall from 1st June 1908.
§ Total rainfall from 1st August 1908.
‖ Wind directions for 30 days.
(*d*) Mean of 14 days. (*b*) Mean of 30 days.

The lines of the above chart represent isobars or lines of equal barometric pressure, the numbers attached indicating the barometric pressure in inches and being drawn for differences of pressure of ·05 inch. The isobars in the Bay of Bengal are filled in by means of the shore observations, and by comparison with the normal distribution of pressure.

The mean 8 hrs. wind directions of the month are shewn by means of arrows flying with the wind, and are calculated by means of Lambert's formula applied to the winds as given in Table B of the 8 hrs. observations. The mean wind directions for the hill stations are indicated by broken arrows to distinguish them from the wind arrows for the plain stations. The mean velocity of the winds during the month is shewn by the following notation:—

Velocity of	0 to 2 miles per hour	... one	feather added to the wind arrow.
,, ,,	2 to 5 ,, ,, ,,	... two	feathers ,, ,, ,, ,,
,, ,,	5 to 10 ,, ,, ,,	... three	,, ,, ,, ,, ,,
,, ,,	10 to 20 ,, ,, ,,	... four	,, ,, ,, ,, ,,
	over 20 ,, ,, ,,	... five	,, ,, ,, ,, ,,



The chart shows the departure from normal of the mean during the month of 8 hrs. pressure by means of lines drawn for equal amounts of departure. The numbers are given in thousandths of an inch, 20 representing ·020 or two hundredths of an inch, &c. Continuous lines indicate that the pressure was in excess by the amounts indicated by the numbers attached to the lines, and broken or dotted lines that it was in defect by amounts indicated by the numbers attached to the lines. Two parallel lines near to each other, one continuous and the other broken or dotted, represent the line of no departure, the dotted line facing the area of deficient pressure or negative departures.

CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MAXIMUM TEMPERATURE.

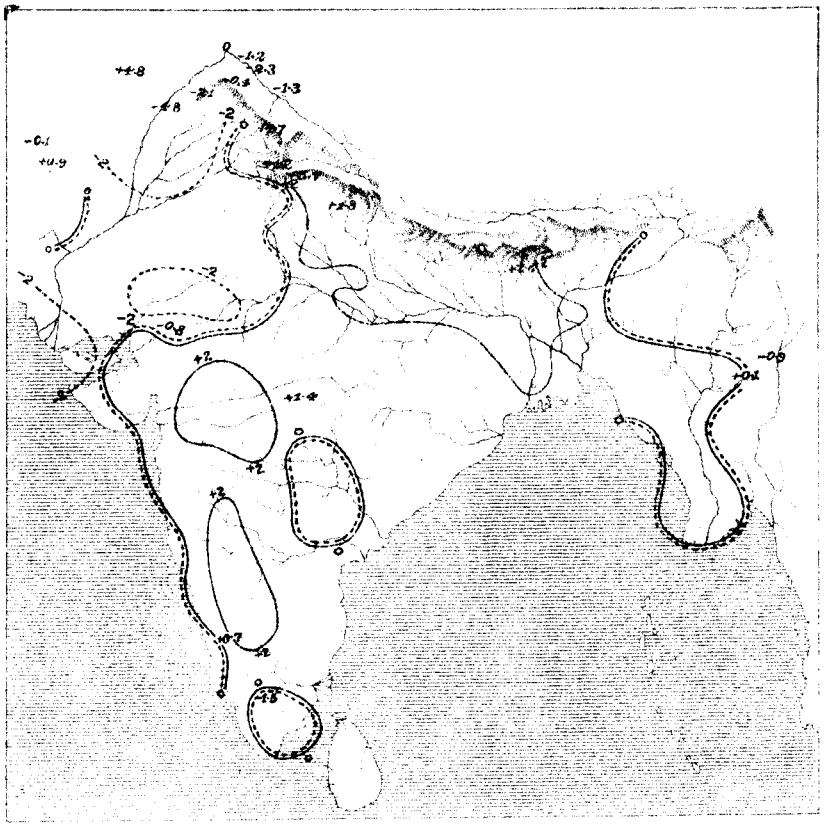


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

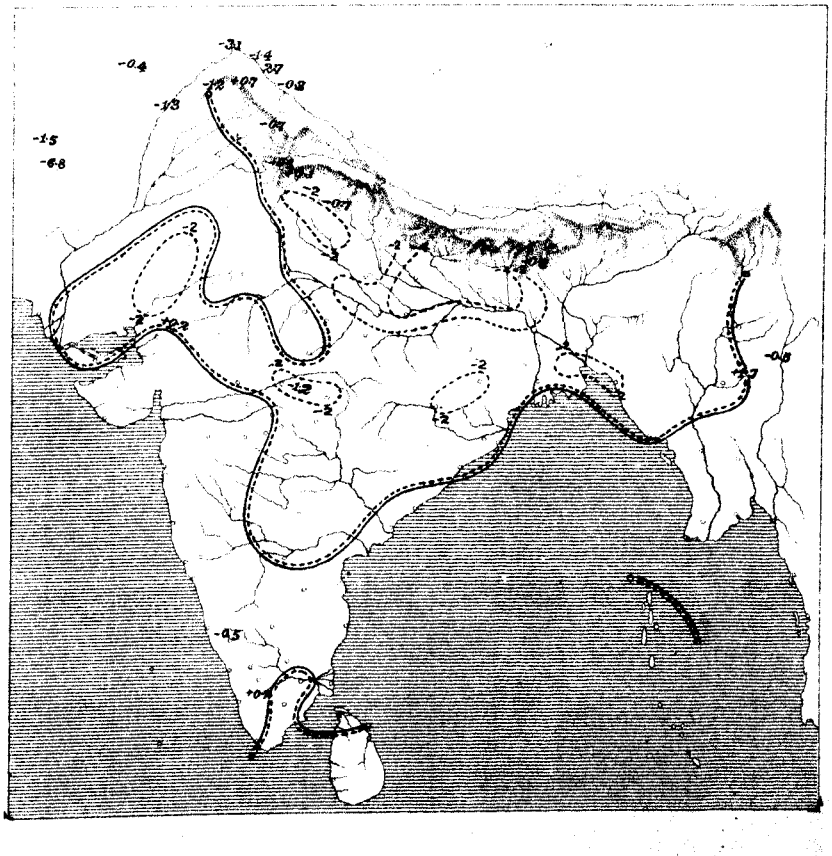


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MEAN TEMPERATURE.

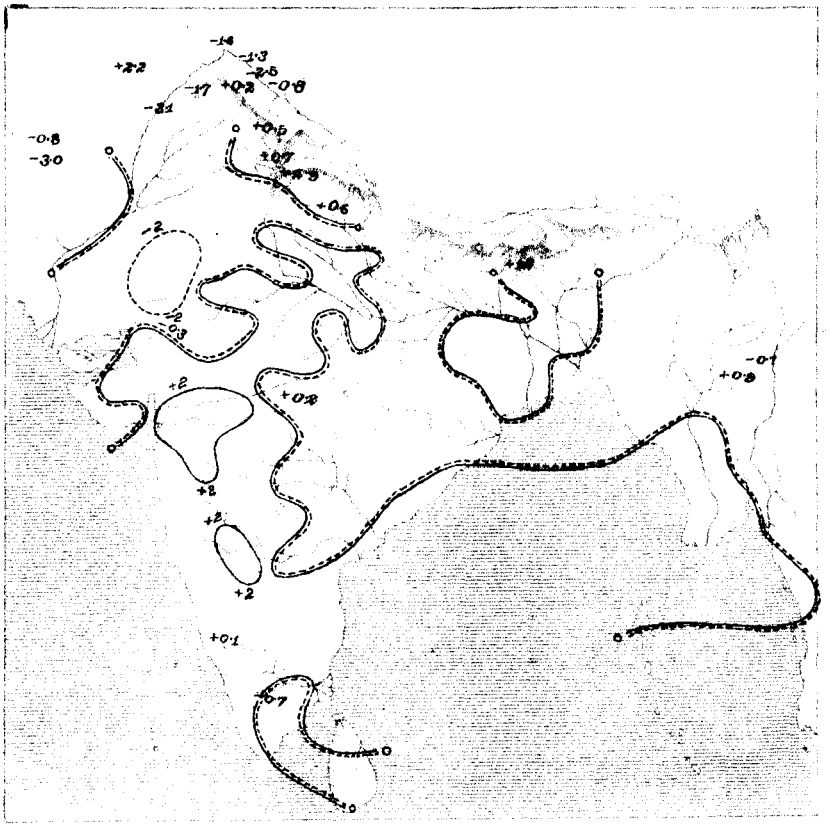


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.

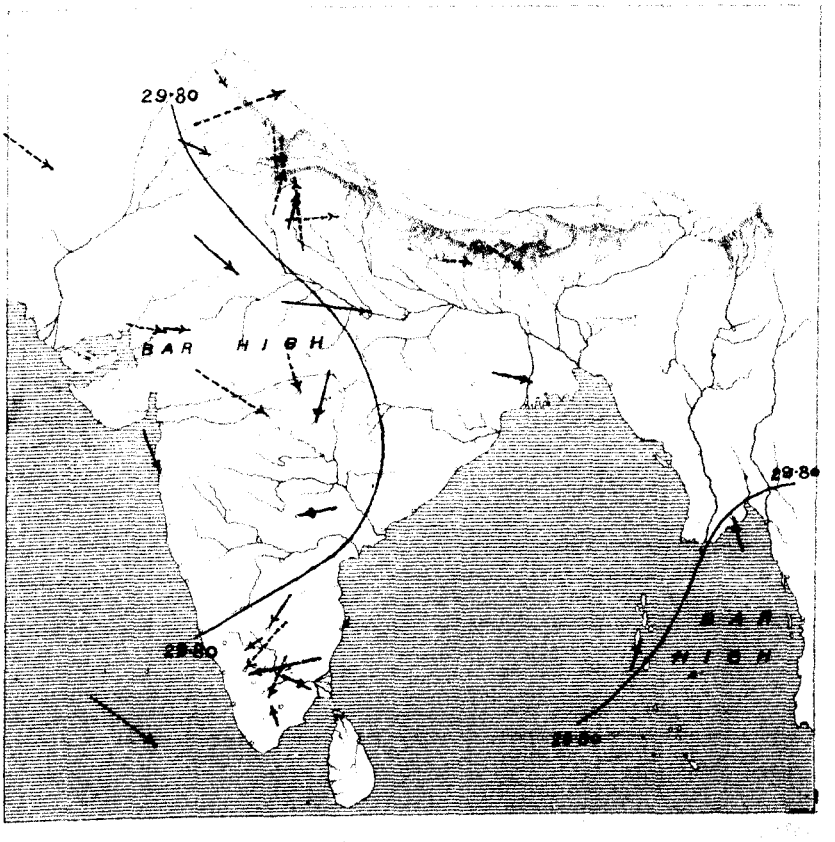


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF ABSOLUTE
HUMIDITY AT 8 HRS.

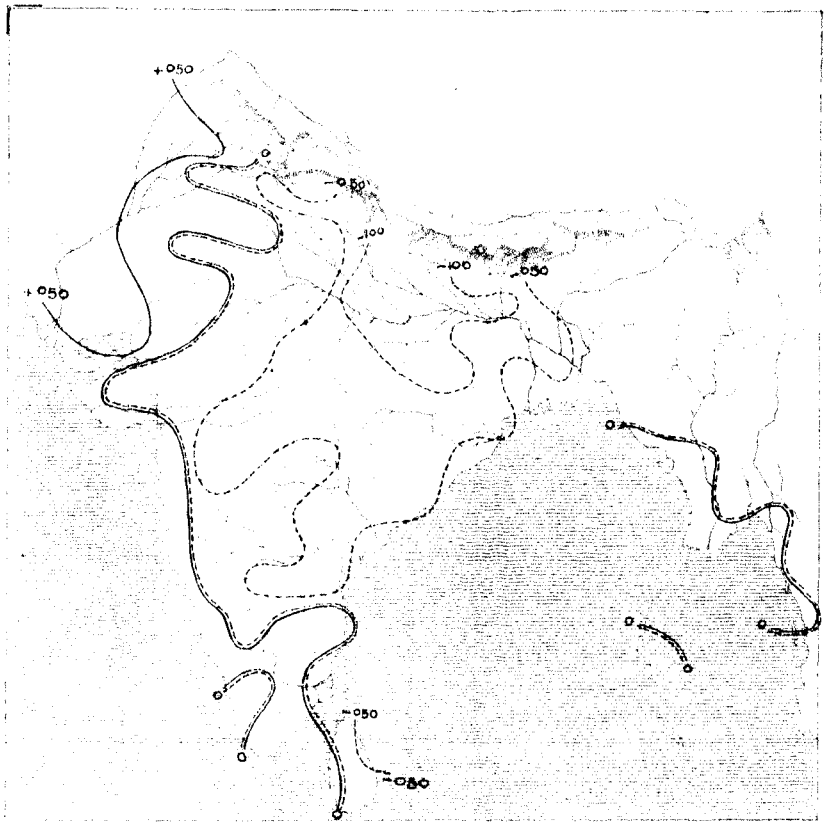


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF RELATIVE
HUMIDITY AT 8 HRS

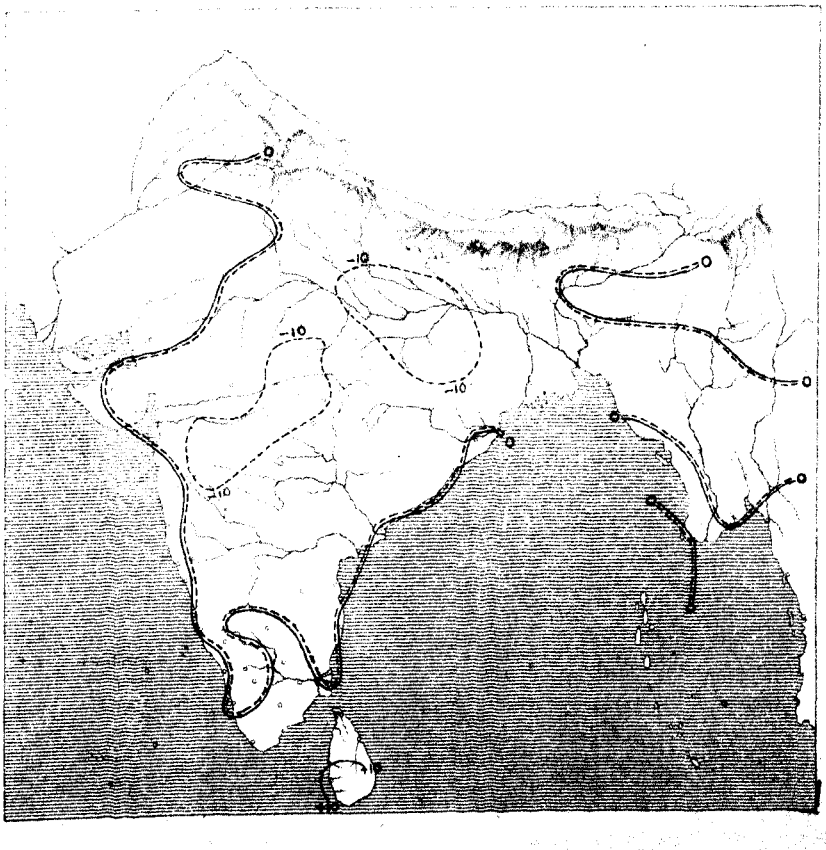


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

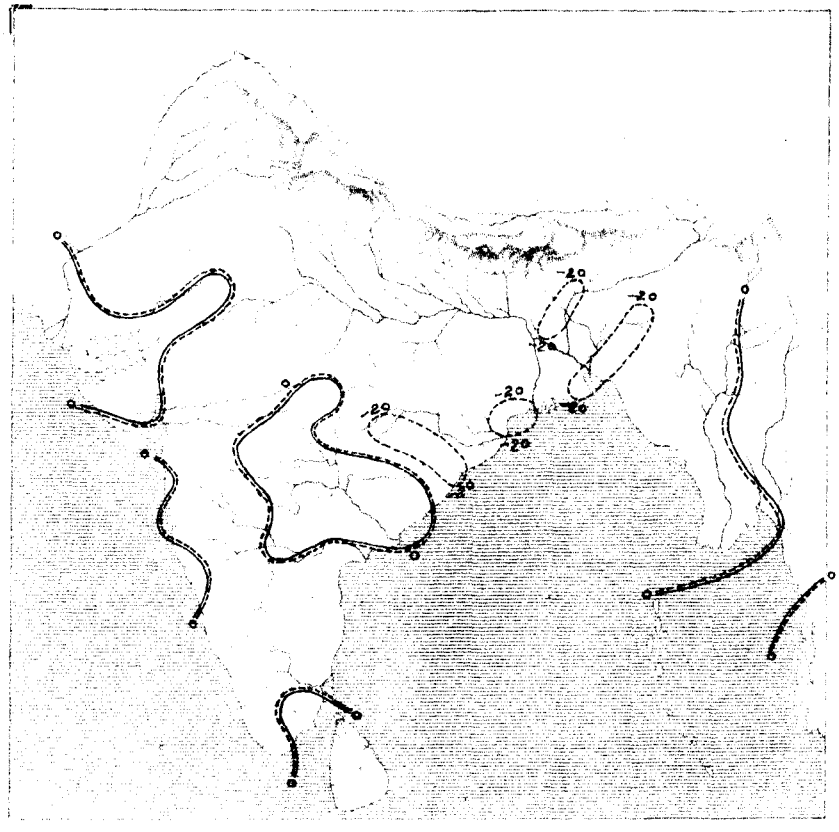
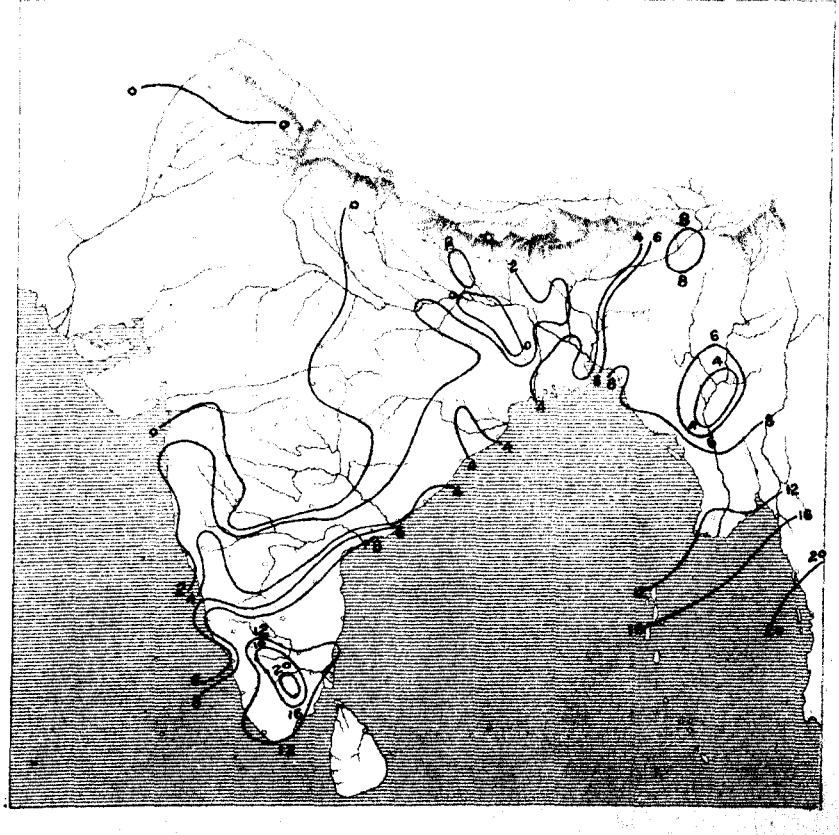


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH

(BASED ON THE RETURNS OF TABLE 8.)



LITHO. BY. N. L. HALDER
Zinco. S. I. O., Calcutta.

Reg. No. 1653 E., 08.—Wr., India.—July 08.—5,500.

The country is divided into 34 areas as shewn in the list below. The numbers in that list correspond with the red numbers on the chart, and serve to identify the areas. The numbers in brackets on the chart give the average over the divisions of the normal monthly rainfall; the numbers above these give the departures from normal of the average actual rainfall over the divisions.

1. Bay Islands
2. Lower Burma
3. Upper Burma
4. Assam
5. Eastern Bengal
6. Bengal
7. Orissa
8. Chota Nagpur
9. Bihar
10. United Provinces, East
11. Do., West
12. Punjab, East and North
13. Do., Southwest
14. Kashmir
15. Northwest Frontier Province
16. Baluchistan
17. Sind
18. Rajputana, West
19. Rajputana, East
20. Gujarat
21. Central India, West
22. Do., East
23. Berar
24. Central Provinces, West
25. Do., East
26. Konkan
27. Bombay, Deccan
28. Hyderabad, North
29. Do., South
30. Mysore
31. Malabar
32. Madras, Southeast
33. Madras, Deccan
34. Madras Coast, North

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GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, NOVEMBER, 1908.

INTRODUCTION.

THIS review of the weather in India during the month of November 1908, is based on observations taken daily at 8 hrs. at 236 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 36 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by the Provincial Governments up to the date of the preparation of the review, have been utilized. The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories.

For a statement of the methods adopted in recording and tabulating the data, for each of the elements of observation, reference should be made to the introductory portion of the review for January.

Summary of the chief features of the weather in India during the month of November, 1908.

2. Over the whole of the Indian region with the exception of Burma and Eastern Bengal weather was drier than is usual in November; the defect of rainfall was large in amount in Mysore and Madras which obtain moderate to heavy precipitation under ordinary conditions.

Except in Burma and the plains of northwest India the air was very dry, both relatively and absolutely, while the proportion of cloud was low over by far the greater part of the country.

Owing to the deficiency of cloud nights were cooler than usual in most parts of the country; days on the other hand were if anything somewhat warmer than is normally the case. In the hill districts of northwest India the departures of temperature from normal were similar in their general character to those of the neighbouring plains.

Mean 8 hrs. pressure was in defect of the normal by ·006″. The only important feature in the local distribution at the ground level was the tendency for the barometer to be lower in respect to the normal in Burma and northeast India than in the peninsula. The vertical gradient was on the whole slighter than usual.

Over the Indian seas the chief feature of the weather was a cyclonic storm of considerable severity; it was generated on the 8th and 9th near the Andaman Islands and thence travelled northwards to the Arakan coast which it crossed after midnight of the 11th—12th near Akyab, causing much damage.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar observations.*—The month was exceptionally fine for this season of the year. Observations were possible on all but the first three days of the month, and on only two other days was the prominence record imperfect.

Sunspots.—There was a slight increase in the spot activity. Nineteen new groups were recorded with a daily average of 3·6, and the average life of a spot rose to 5·6

days. The distribution in latitude was nearly the same as in the previous month. It was as follows :—

	Number of spots.		Extreme latitudes.	Mean latitudes.
	0°—10°	11°—20°		
	°	°	° °	°
North . . .	7	2	14 & 3	8
South . . .	6	4	17 & 2	10

Four of the groups recorded during the month contained fairly large spots. One of these—No. 1545—formed on the visible disc as a few small dots, and was first seen on the 7th. By the 8th it had developed one large spot and on the 9th it was a train of large spots. The group underwent much change from day to day till it reached the west limb on the 18th. C was frequently observed reversed and D_3 dark in the group. F was displaced 2°A to red at $15^h\ 30^m$ on the 11th, but the displacement disappeared in a few minutes. It was displaced again at $8^h\ 55^m$ on the 15th but towards the violet end. The reversal of C was observed on 14 days and the darkening of D_3 on 10 days in the month.

Prominences.—Fifty-two prominences one minute or more in height were recorded. The tallest of them was observed on the west limb on the 13th, and was found to be rapidly changing. It was 270″ high in Ca at $9^h\ 26^m$, but the height fell to 70″ at $9^h\ 54^m$ and there was nothing left of it by $10^h\ 22^m$. Five other eruptive and six metallic prominences were recorded during the month.

Magnetic disturbances.—There was a "great" magnetic disturbance on the 8th and "moderate" ones on the 1st, 2nd, and 9th. The 1st and 2nd were too cloudy for solar observations; but spot No. 1540 crossed the central meridian on the 3rd and No. 1541 was formed between October 31st and November 4th, when it was first seen some 6° west of the central meridian. On the 8th the large spot 1542 was close to the central meridian and group 1544, which was then growing rapidly, was on that day 10° east of the central meridian. On the 9th the latter group had just crossed the central meridian.

C. MICHIE SMITH,
Director,
Kodaikanal and Madras Observatories.

BOMBAY OBSERVATORY.

ALIBAG MAGNETIC RECORD.

4. During the month November 1908 the traces showed 12 calm days, 16 days of small, 1 day of moderate and 1 day of great disturbance.

The days of the month selected as quiet for the purposes of the magneatic survey of India are the 4th, 5th, 16th, 23rd and 27th.

The observed absolute values of the several magnetic elements reduced to the mean monthly tabulations of the magnetograms as also the ranges and the summed ranges of the horizontal force and declination for the month are as follows:—

Easterly declination . . .	1° 1′ 59″
Horizontal force . . .	0·36841 C. G. S. unit.
Vertical force . . .	0·15942 ,,
Dip (calculated) . . .	23° 23′·9.
Dip (observed twice a week) .	23° 24′·1.
Horizonal force range .	0·00044 C. G. S. unit.
Horizontal force summed range .	0·00259 ,,
Declination range . . .	1′·17
Declination summed range .	5′·40

[NOTE.—Summed range means sum without regard to signs of ordinates of diurnal inequality.]

The following table represents the magnetic character of each day of the month:—

Day.	Character.	Day.	Character.	Day.	Character.
1	S	12	S	23	C
2	S	13	C	24	S
3	S	14	S	25	C
4	C	15	S	26	C
5	C	16	C	27	C
6	C	17	G	28	S
7	S	18	S	29	S
8	M	19	C	30	C
9	S	20	S		
10	S	21	S		
11	S	22	C		

C = calm; S = small; M = moderate; G = great; V G = very great.

Seismic disturbances recorded at Bombay.—Eight seismic disturbances were recorded during the month, on the 2nd (two disturbances); 6th (two disturbances); 11th; 12th (two disturbances); and on the 23rd.

List of Seismic disturbances.

Date.	Commencement.	Maximum.	End.	Maximum Amplitude.	Duration.
	H. M.	H. M.	H. M.	mm.	H. M.
2nd Nov. 1908	5 22·4	5 35·9	6 43·9	4·2	1 21·5
2nd ,,	7 27·8	7 37·6	7 53·0	0·5	0 25·2
6th ,,	7 29·0	7 48·4	8 38·9	1·0	1 9·9
6th ,,	14 28·5	14 35·5	14 58·6	0·5	0 30·1
11th ,,	13 27·8	13 50·4	14 20·1	2·2	0 52·3
12th ,,	16 53·0	16 58·0	17 4·0	0·2	0 11·0
12th ,,	22 6·1	22 16·2	22 21·3	0·3	0 15·2
23rd ,,	12 59·8	13 23·7	13 36·2	0·2	0 36·4

All times given above denote G. M. T.

N. A. F. MOOS,
Director,
Bombay Observatories.

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the Milne seismograph at the Alipore Observatory during November 1908.*

Date 1908.	P. T. Commencement. G.M.T.	L. W. Commencement. G.M.T.	Maximum. G.M.T.	End. G.M.T.	Duration.	Maximum displacement on trace from mean position.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
November 2nd	5 21·2	5 25·3	5 33·9	6 48·1	1 26·9	14·00*	* Measured from the base line.
„ 2nd	7 29·8	7 37·0	7 47·1	8 13·6	0 43·8	1·50	
„ 6th	7 26·8	7 39·5	8 2·0	9 8·1	1 41·3	1·50	
„ 6th	14 5·2	14 23·0	14 24·0	14 47·9	0 42·7	1·00	
„ 9th	16 31·1	—	—	17 2·1	0 31·0	—	Thickening of the line.
„ 10th	19 5·4	—	—	19 38·0	0 32·6	—	Ditto.
„ 11th	13 26·0	13 36·2	13 50·9	14 27·0	1 1·0	1·25	
„ 23rd	12 47·4	—	13 12·8	13 39·3	0 51·9	0·50	
„ 30th	21 50·9	—	21 56·5	22 7·7	0 16·8	0·75	Sensibility throughout 1 mm. = 0·38″ of tilt.

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing seismograph; magnification was 15 during the whole month.*

Date.	Commencement of 1st P. T.	Commencement of 2nd P. T.	Beginning of L. W.	Time of maximum amplitude.	End approximately.	Duration.	Maximum displacement of style.	REMARKS.
	G. M. T.	G. M. T.	G. M. T.	G.M.T.	G.M.T.			
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
1908. November 2nd.	5 21·8	5 27·8	5 31·6	5 38·7	6 7·8	0 45·4	7	Epicentre 2,800 miles distant.

The following table contains a list of the earthquakes that have been reported:—

Place at which felt.	Date.	Time of earthquake. G. M. T.	Intensity.	Duration in seconds.	REMARKS.
		H. M.			
Kailang . . .	8th	2 10	2	5	3 Shocks.
Do. . . .	8th	10 50	1	1	4 „
Do. . . .	9th	19 30	2	9	1 Shock.
Do. . . .	10th	23 55	2	4	4 Shocks.
Calcutta . . .	15th	18 21	Slight.	—	—
Salonah . . .	15th	12 21	3	10	1 Shock.
Do. . . .	17th	15 8	3	5	1 „
Drosh . . .	19th	0 15	4	5	1 „
Chitral . . .	22nd	7 20	1	5	1 „
Do. . . .	25th	21 28	4	7	2 Shocks.
Bhuj . . .	29th	14 22	3	5	2 „

NOTE.—Scale of intensity is given in the Review of October 1908.

Solar Radiation.—The following figures give the intensity of solar radiation, as measured at Simla by Angström's pyrheliometer. The values are corrected to local noon, and expressed in grammecalories per square centimetre per minute.

Maximum	1·47
Minimum	1·42
Mean	1·44
Number of days of observation . .	10

The observations extend from the 10th to the end of the month. From the 1st to the 9th inclusive the instrument was not working, in consequence of the removal of the observatory to new quarters.

J. PATTERSON,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. *Solar observations.*—Observations were taken from 2nd to 30th except 8th, 12th, 15th and 27th. Groups of sunspots were seen throughout. The sunspots were especially numerous from 2nd to 17th and 22nd to 26th and faculæ were seen on each day of observation.

Magnetic Disturbance.

Day.	Time.	Disturbance.
9th to 10th	16 h. to 10 h.	Occasional fluctuations in H. F. (± 7).
16th . .	0 h.	Accentuated diurnal variation in H. F.

T. F. CLAXTON,
Director.

Weather in the Indian monsoon region.

8. Barometric pressure was very nearly normal in the equatorial belt as represented by Seychelles and Zanzibar, but was low at Mauritius. The easterly winds at Zanzibar contained a large northerly instead of the usual southerly component, an indication that the southeast trades had retreated much before their normal date from that locality. The data of the Seychelles where the mean direction of the month had an undue westerly element also show that the northern limit of the southeast trades was considerably to the south of the normal position.

The rainfall of the month was in marked excess at Zanzibar, while at the Seychelles there was a large defect :—

	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	—·027	—·013	+·002
Actual mean wind direction .	S 85° E	N 52° E	S 19° W
Normal mean wind direction .	S 83° E	S 36° E	S 56° E
Actual mean wind velocity (miles per diem).	254	99	145
Normal mean wind velocity (miles per diem).	257	110	127
Rainfall departure from normal .	+0·20	+3·95	—6·62

Depressions and cyclonic storms.

9. At the opening of the month a storm was in process of formation over the south-west of the Bay where weather was squally and rainy with winds of force 4 to 8: it moved slowly westwards during the next 24 hours and at 8 hrs. of the 2nd was central in about Lat. 11° N., Long. 84° E. Its line of advance then changed to north and on the morning of the 3rd the centre was probably in about Lat. 13½° and Long. 84° and had thus travelled over a distance of about 180 miles during the previous 24 hours. The depression of the barometer at the centre was at least one-third of an inch in amount, and fresh gales prevailed at a considerable distance to the west and north-west of the centre. Very little information is available for the 4th, but it tends to show that the disturbance had diminished rapidly in intensity. The distribution of pressure over the Bay remained abnormal during the three following days, its chief feature being a trough of low pressure running roughly north-east and south-west between Ceylon and the Chittagong coast. On the 8th a distinct tendency was exhibited towards the generation of a storm in this trough to the west of Diamond Island. The *S.S. Beswada* to the west-south-west of Slipper Island at 8 hrs. of the 9th experienced a whole gale—an indication of a strong indraught of humid air into the region of disturbance. According to the limited data available at present the unsettled conditions appear to have become concentrated during the course of the next forty-eight hours into a small storm of considerable intensity of which the centre was situated at 8 hrs. of the 11th at about 100 miles west of Diamond Island. From there the storm appears to have advanced very quickly northwards, and by one hour of the 12th, had passed inland across the Arakan Coast near Akyab where a fall of half an inch of pressure was recorded between 22·30 hours and 0·30 hour; the fall was followed by an equally rapid rise during the next two hours. Newspaper accounts show that the winds accompanying the storm were of great violence, and did much damage to the town and the harbour of Akyab.

No important cold weather storms affected the weather over northern India during the month.

Pressure.

10. Pressure over the Indian land area averaged ·006″ lower than the normal for the month; the local departures were in general small. In the North-West Frontier Province and on the Bengal coast, however, the deficiency was quite appreciable; while over the southern half of the peninsula the barometer was if anything higher than usual.

Division.	Departure from normal of mean 8 hrs. pressure.
	″
Burma	—·008
Eastern Bengal and Assam	—·015
Bengal	—·013
United Provinces	—·010
Punjab	—·014
North-West Frontier Province	—·037
Sind	—·006
Rajputana	—·013
Bombay	+·001
Central India	—·011
Central Provinces	—·003
Hyderabad	—·011
Mysore	+·001
Madras	+·007

In the hill districts the departures were similar to those in the neighbouring plains, and vertical gradients accordingly did not differ much from their normal values.

Hill Station.	Departure from normal pressure. A	Plain Station.	Departure from normal pressure. B	Departure of pressure difference. B–A.
	″		″	″
Quetta	—·009	Jacobabad	—·014	—·005
Leh	—·021	Lahore	—·021	0
Murree	—·018	Rawalpindi	—·019	—·001
Simla	—·024?	Ludhiana	—·012	+·012?
Chakrata	+·002	Roorkee	—·003	—·005
Darjeeling	—·028	Dhubri	—·016	+·012
Mount Abu	—·010	Deesa	—·009	+·001
Pachmarhi	+·004	Khandwa	+·010	—·014

Temperature.

11. Day temperature was 3·3° lower than usual in Burma and about 2° in excess in Bihar, the United Provinces East and Mysore; but over the rest of the country the departures from the normal values did not exceed 1½° in amount, and were in most cases positive. Night temperature on the other hand was normal or in defect except in upper India where it was inclined to be high. The deficiency ranged in average amount between 2° and 4° over Madras, Mysore, Hyderabad South, the Central Provinces East, Rajputana West, Kashmir, the United Provinces East and Bengal, and was as much as 5° in Baluchistan.

Owing to the opposite character of the departure of day and night temperatures the mean temperature agreed closely with the normal over practically the whole of the Indian land area, Upper Burma, Rajputana West and the Central Provinces East being the only tracts where the air was warmer than usual by more than 2°.

Over a large part of the country the changes of the temperature conditions from day to day were neither large nor persistent. In Burma however unusually low day temperatures were experienced from the 3rd to the 14th and were associated with the occurrence of rainfall; night temperature was on the other hand normal or high during the period, and in consequence the diurnal range was much smaller than usual. The following data illustrate these features:—

	Departure from normal of temperature over Upper Burma.											
	3rd.	4th.	5th.	6th.	7th.	8th.	9th.	10th.	11th.	12th.	13th.	14th.
Day temperature.	−10·5	−11·6	−9·6	−10·0	−8·2	−8·7	−6·4	−5·7	−8·2	−9·9	−7·6	−5·5
Night temperature.	+0·7	+0·9	+2·1	+1·1	+2·0	+2·9	+3·2	+3·7	+0·4	+1·8	+2·3	+0·3
Diurnal range (departure).	−11·2	−12·5	−11·7	−11·1	−10·2	−11·6	−9·6	−9·4	−8·6	−11·7	−9·9	−5·8

The two following tables contain details of the mean temperature conditions of the month:—

Division.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Burma	−3·3	+0·4	−1·5
Eastern Bengal and Assam	+0·4	−1·6	−0·6
Bengal	+1·3	−3·5	−1·1
United Provinces	+1·3	−1·5	−0·1
Punjab	−0·8	+0·7	−0·1
North-West Frontier Province	−1·5	+2·2	+0·4
Sind	−0·6	+1·2	+0·3
Rajputana	−1·0	−2·3	−1·7
Bombay	+0·1	−1·4	−0·7
Central India	+1·1	+0·1	+0·6
Central Provinces	+0·8	−1·9	−0·6
Hyderabad	+0·2	−2·7	−1·3
Mysore	+2·5	−2·1	+0·2
Madras	+0·3	−2·0	−0·9

Sub-division.	Actual temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	85·7	76·9	81·3	8·8	13·9	−1·1	−0·8	−0·3
2. Lower Burma	85·1	71·6	78·4	13·5	23·9	−1·9	+0·3	−2·2
3. Upper do.	79·6	64·2	71·9	15·4	33·8	−5·3	+0·6	−5·9
4. Assam	80·5	59·5	70·0	21·0	31·9	−1·1	−1·4	+0·3
5. Eastern Bengal	83·2	61·6	72·4	21·6	30·8	+1·0	−1·7	+2·7
6. Bengal	84·1	60·7	72·4	23·5	31·9	+1·6	−2·5	+4·1
7. Orissa	84·5	60·5	72·6	24·0	31·7	+0·7	−4·2	+4·9
8. Chota Nagpur	81·5	55·4	68·5	26·2	33·8	+0·4	−2·5	+2·9

Sub-division.	Actual temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum	Dail rane.
	°	°	°	°	°	°	°	°
9. Bihar	84·8	55·9	70·3	28·9	38·0	+2·6	—5·1	+ 7·7
10. United Provinces, East	84·9	52·6	68·8	32·2	41·7	+2·0	—3·0	+ 5·0
11. Do. do., West	82·2	53·1	67·6	29·1	40·0	+0·6	—0·2	+ 0·8
12. Punjab, East and North	81·1	49·9	65·5	31·2	43·9	—0·5	+0·3	— 0·8
13. Punjab, Southwest	82·3	52·6	67·5	29·7	42·9	—1·5	+1·6	— 3·1
14. Kashmir	53·6	25·2	39·4	28·4	41·4	+0·2	—2·4	+ 2·6
15. North-West Frontier Province	78·2	48·2	63·2	30·0	43·3	—1·5	+2·2	— 3·7
16. Baluchistan	71·7	39·1	55·4	32·6	58·3	+1·1	—5·2	+ 6·3
17. Sind	86·8	58·7	72·8	28·1	42·6	—0·6	+1·2	— 1·8
18. Rajputana, West	87·3	54·9	70·7	33·3	47·1	—1·2	—3·6	+ 2·4
19. Do., East	84·9	54·4	69·7	30·5	45·3	—0·9	—1·4	+ 0·5
20. Gujarat	89·2	62·5	75·9	26·7	42·6	+0·2	—1·1	+ 1·3
21. Central India, West	85·1	54·9	70·0	30·2	46·1	+1·2	+0·4	+ 0·8
22. Do., East	82·7	53·5	68·1	29·2	40·4	+1·0	—0·1	+ 1·1
23. Berar	86·0	59·2	72·7	26·8	39·3	+0·7	—1·2	+ 1·9
24. Central Provinces, West	84·8	55·0	69·9	29·8	43·3	+1·2	—1·6	+ 2·8
25. Do., East	82·1	55·6	68·8	26·5	37·6	—0·5	—3·7	+ 3·2
26. Konkan	86·3	70·2	78·2	16·1	24·7	—1·6	—1·4	— 0·2
27. Bombay Deccan	86·0	57·9	72·4	29·0	43·3	+1·3	—1·6	+ 2·9
28. Hyderabad, North	85·0	57·7	71·4	27·3	40·8	—0·1	—1·8	+ 1·7
29. Hyderabad, South	86·0	61·0	73·5	25·1	36·2	+0·3	—3·2	+ 3·5
30. Mysore	83·4	60·3	71·9	23·1	31·6	+2·5	—2·1	+ 4·6
31. Malabar	86·1	72·9	79·5	13·3	22·1	—0·3	—0·8	+ 0·5
32. Madras, Southeast	86·4	69·6	78·1	16·8	25·8	+0·3	—2·0	+ 2·3
33. Do. Deccan	88·4	63·4	75·9	25·0	35·0	+0·6	—2·9	+ 3·5
34 Do. Coast, North	84·9	68·3	76·6	16·6	25·3	+0·5	—2·5	+ 3·0

Winds.

12. (*a*) Over a large part of the country the air movemen was even feebler than is usual in November. The steadiness was however considerably above the normal in Bengal, the Punjab, the North-West Frontier Province and Central India, and about the average or below it elsewhere. The statement below illustrates these features:—

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	—0·2	— 5
Eastern Bengal and Assam	0	— 5

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Bengal	—0·2	+ 6
United Provinces	0	— 2
Punjab	0	+ 5
North-West Frontier Province	—1·3	+ 16
Sind	—0·7	+ 1
Rajputana	—0·6	+ 2
Bombay	—1·1	— 8
Central India	—0·7	+ 6
Central Provinces	—0·3	— 2
Hyderabad	—1·5	— 5
Mysore	—0·8	— 8
Madras	+0·4	+ 1

(*b*) The deviations from normal directions were of no significance, except locally at Port Blair and Leh for which data are given below:—

Station.	Wind direction.	
	Actual.	Normal.
Port Blair	S 67° W	N 72° E
Leh	N 53° E	S 46° W

The deflection from the normal course of the air movement at Port Blair was probably connected with the deficient pressure over northeast India and the north of the Bay.

Humidity and cloud.

13. The air was drier than usual throughout the Indian region with the exception of Burma and the greater part of the plains of northwest India. The region of greatest dryness was on the whole defined by Mysore, Hyderabad, the Central Provinces and Bengal, and coincided roughly with that of the maximum deficiency of rainfall.

The abnormalities of the hygrometric conditions were thus related directly to the anomalies of the rainfall except in the northwest, where the high humidity of the plains was undoubtedly a result of the excessive precipitation of the rainy season.

There was less cloud than usual in most divisions; the only important exceptions occurred in Burma, Eastern Bengal and Ceylon.

Division.	Hygrometry; 8 hrs.				Cloud.	
	Mean humidity.	Departure from normal.	Mean vapour-tension in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.
	%		″	″		
Burma	89	+ 5	·694	+·009	5·1	+1·4
Eastern Bengal and Assam	85	— 3	·572	—·037	2·1	—0·3
Bengal	70	— 8	·442	—·106	1·3	—0·1

Division.	Hygrometry; 8 hrs.				Cloud.	
	Mean humidity.	Departure from normal.	Mean vapour-tension in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.
	%		″	″		
United Provinces	63	— 7	·347	—·058	0·3	—0·8
Punjab	65	+ 7	·323	+·013	0·8	—0·8
North-West Frontier Province.	71	+ 6	·303	+·033	0·7	—1·5
Sind	62	+ 7	·417	+·056	0·2	—1·4
Rajputana	54	+ 2	·310	+·001	0·3	—1·2
Bombay	55	— 7	·450	—·053	0·6	—0·9
Central India	53	— 6	·331	—·038	0·5	—0·6
Central Provinces	51	— 9	·325	—·090	0·8	—0·7
Hyderabad	55	— 9	·414	—·121	1·2	—1·1
Mysore	63	—13	·466	—·091	2·5	—2·3
Madras	74	— 6	·652	—·073	3·5	—0·9

Rainfall.

14. Rainfall was almost restricted to the Bay Islands, Burma, Assam, Eastern Bengal, the Bombay Deccan and Madras and even over the greater part of this region it was scanty and below normal. Indeed the only divisions which formed exceptions to the universal deficiency were Burma and Eastern Bengal, the former having received 450 per cent. and the latter 6 per cent. more than the normal quantity. The defect was on the whole greatest in

Mysore and Madras where it ranged between 2 and 5 inches in amount. Over northern and central India, where but little or no rain fell, the shortage was nevertheless small in amount, the normal rainfall of the month being less than half an inch in most places.

Rainfall occurred in Burma chiefly during the first twelve days; in Eastern Bengal and Assam from the 2nd to the 10th and again on the 19th and 20th, and in Madras during the first six days of the month.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	7·75	1·41	+6·34	+450
Eastern Bengal and Assam	0·50	0·67	—0·17	—25
Bengal	0·01	0·52	—0·51	—98
United Provinces	0·02	0·13	—0·11	—85
Punjab	0·05	0·12	—0·07	—58
North-West Frontier Province	0	0·48	—0·48	—100
Sind	0	0·09	—0·09	—100
Rajputana	0·05	0·19	—0·14	—74
Bombay	0·09	0·70	—0·61	—87
Central India	0·02	0·24	—0·22	—92
Central Provinces	0·02	0·50	—0·48	—96
Hyderabad	0	1·03	—1·03	—100
Mysore	0·06	2·56	—2·50	—98
Madras	1·15	5·01	—3·86	—77
Mean of India when the size of the above areas is taken into account.	1·04	1·02	+0·02	+ 2

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
1. Bay Islands	6·5	10·4	4·75	7·35	—2·60	— 35
2. Lower Burma	8·5	2·4	7·05	1·61	+5·44	+338
3 Upper do.	9·8	2·2	8·34	1·24	+7·10	+573
4. Assam	0·5	1·3	0·30	0·68	—0·38	— 56
5. Eastern Bengal	1·0	0·8	0·70	0·66	+0·04	+ 6
6. Bengal	0·1	0·7	0 02	0·56	—0·54	— 96
7. Orissa	0	1·5	0	1·34	—1·34	—100
8. Chota Nagpur	0	0·6	0	0·33	—0·33	—100
9. Bihar	0	0·3	0	0·16	—0·16	—100
10. United Provinces, East	0	0·3	0	0·15	—0·15	—100
11. Do., West	0·1	0·3	0·04	0 12	—0·08	— 67
12. Punjab, East and North	0·3	0·3	0·07	0·13	—0·05	— 46
13. Do., South-west	0	0·2	0	0·11	—0·11	—100
14. Kashmir	0·2	1·1	0·04	0·44	—0·40	— 91
15. North-West Frontier Province	0	0·7	0	0·48	—0·48	—100
16. Baluchistan	0	1·1	0	0·50	—0·50	—100
17. Sind	0	0·2	0	0·09	—0·09	—100
18. Rajputana, West	0·2	0·3	0·04	0·19	—0·15	— 79

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
			"	"	"	
19. Rajputana, East	0·2	0·4	0·05	0·19	—0·14	— 74
20. Gujarat	0	0·4	0	0·29	—0·29	—100
21. Central India, West	0·1	0·4	0·03	0·22	—0·19	— 86
22. Do., East	0·1	0·6	0·01	0·29	—0·28	— 97
23. Berar	0	0·9	0	0·58	—0·58	—100
24. Central Provinces, West	0·2	0·6	0·04	0·38	—0·34	— 89
25 Do., East	0	0·8	0	0·54	—0·54	—100
26. Konkan	0·2	1·4	0·08	0·87	— 0·79	— 91
27. Bombay Deccan	0·3	1·5	0·14	0·90	—0·76	— 84
28. Hyderabad, North	0	1·5	0	0·90	—0·90	—100
29. Do., South	0	2·2	0	1·14	—1·14	—100
30. Mysore	0·2	3·8	0·06	2·56	—2·50	— 98
31. Malabar	1·2	5·3	0·57	4·03	—3·46	— 86
32. Madras, South-east	2·4	7·7	1·74	6·72	—4·98	— 74
33. Madras Deccan	0·3	3·3	0·08	2·24	—2·16	— 96
34. Madras Coast, North	0·5	3·7	0·85	3·84	—2·99	— 78

Snowfall.

15. (*a*) On the hills near Kermanshah, in west Persia, the first snowfall of the winter season occurred on the 15th, which is about the normal date.

(*b*) Slight snow fell on the highest points of the Sufed Koh on the 12th and 25th; some snow was also reported to have fallen in the Afghan and Kafiristan mountains.

(*c*) A few snowstorms occurred in the mountains of Kashmir towards the end of the month and the Deosai Pass remained closed; the total quantity of snow received measured about 2 feet on the Zoji-la and the Hungsathu. In Ladak there was general snowfall on the 27th and 28th; the fall on these dates measured 5 inches in depth of snow at Leh.

(*d*) In the Punjab Himalayas light snow fell on the hills near Kilba on the 4th and moderately heavy snow on the 25th and 27th. The lowest level reached was about 10,000 feet on the 4th and about 6,000 feet on the 27th. At Kalabagh on the Chor range a total of 18 inches was measured on the 25th and 28th.

(*e*) On the higher mountains in Garhwal snowstorms occurred on the 11th and again from the 25th to the 28th; of these the storm of the 28th was severe and attended with heavy snowfall. There were occasional falls in Almora. The total quantity received during the month amounted to 15 feet on the Nuwe Pass, 7 feet in Malla Johar, 5½ feet in Malla Byans, 3¾ feet on the Binkaru Pass and 1½ feet in Malla Danpur. At the end of the month the accumulated snow measured about 27 feet in depth on the Nuwe Pass, 15 feet on the Binkaru Pass, 9 feet on the Untadhura and 4 feet on the Ralamdhura and the Lipulekh. The accumulations were about normal in amount except in the case of the Nuwe Pass where they were greater than usual.

(*f*) At Gangtok in Sikkim there were the usual occasional slight falls of snow at elevations over 10,000 feet.

Crop report.

16. Burma.—The reaping of hill side rice was practically completed. The condition of standing crops was generally good in both parts of the province.

Eastern Bengal and Assam.—More rain was wanted for the spring crops and in some districts transplanted winter paddy had suffered from want of moisture, but on the whole winter rice promised a good outturn.

Bengal.—Harvesting of paddy and pressing of sugarcane

were in progress. Rain was urgently needed for the standing spring crops and for sowings, and winter paddy had suffered in several districts.

United Provinces.—Harvesting of autumn crops and sowing of spring crops were being carried on; more rain was required in parts.

Punjab.—Autumn crops were being harvested and their condition and expected yield were generally good to average. Spring sowings were extensive and the crop was doing well.

North-West Frontier Province.—The yield of autumn crops was average on both irrigated and unirrigated lands. Spring sowings were in progress.

Jammu and Kashmir.—The condition of standing crops was fair. Sowings were being made for the spring crops.

Rajputana.—Spring sowings were being made, and germination was satisfactory. Cattle were in good condition.

Central India.—Harvesting of autumn crops and spring sowings were in progress.

Central Provinces.—Harvesting and threshing of autumn crops and the picking of cotton were in progress. Sowin of spring crops were nearly finished in most districts.

Bombay.—Some damage to standing crops was reporte in some parts due to insects and in others to want moisture. Autumn crops were being harvested and sowin made for spring crops.

Hyderabad.—Autumn and early rice crops were beir harvested and spring sowings were in progress. Son districts required more rain.

Mysore.—More rain was urgently needed and standin crops were generally withering.

Coorg.—Picking of coffee and of cardamoms was i progress.

Madras.—Standing crops were on the whole in fa condition, but in some parts they were withering for want rain. Harvesting was being carried on with poor to norma outturn.

HEM RAJ.

TABLE A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 36 stations, in India, etc., in November, 1908.

Table

Abstract of observations recorded at 10 hrs. and 16 hrs. at

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to sea-level and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	I.—Burma.																					
2	Rangoon . .	36	29·858	29·836	·122	29·899	—·007	29·872	85·3	72·1	13·2	88·2	65·7	22·5	78·9	83·1	77·0	-1·3	70·7	74·3	74·6	73·2
	III.—Bengal.																					
6	Calcutta . .	21	·997	·880	·117	·935	—·029	·902	83·4	61·9	21·5	86·8	57·7	29·1	77·3	81·3	72·1	−0·3	60·1	66·6	66·5	64·4
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad . .	309	·738	·623	·115	·671	—·010	·938	85·3	53·7	31·6	91·4	49·5	41·9	75·7	83·4	67·9	+0·4	50·7	60·4	61·4	57·5
11	Dehra Dun . .	2,233	27·772	27·690	·082	27·720	—·018	·956	76·6	50·5	26·1	81·1	43·9	37·2	67·8	71·1	62·8	+0·2	46·1	55·4	57·2	52·9
	V.—Punjab.																					
12	Lahore . .	702	29·314	29·230	·084	29·264	—·022	·952	82·0	49·2	32·8	87·1	43·1	44·0	70·1	79·5	63·6	+0·4	47·2	59·5	63·8	56·8
	VIII.—Rajputana.																					
19	Jaipur . .	1,431	28·602	28·508	·094	28·546	—·016	·947	85·3	54·1	31·2	91·2	45·0	46·2	77·4	82·7	68·1	−0·8	47·9	59·3	61·2	56·1
	Udaipur . .	1,925	·111	·011	·100	·059		·945	83·5	53·9	29·6	90·9	44·8	46·1	77·4	81·7	68·4		49·2	60·2	62·2	57·2
	IX.—Bombay.																					
26	Bombay . .	37	29·973	29·863	·110	29·914	+·001	·891	86·1	72·3	13·8	89·2	68·3	20·9	78·4	82·1	78·4	−0·9	67·6	70·7	72·8	70·4
	XI.—Central Provinces.																					
24	Nagpur . .	1,017	·013	28·888	·125	28·946	+·001	·932	85·5	56·4	29·1	92·2	50·9	41·3	76·8	83·5	70·5	−1·7	51·6	61·5	63·1	58·7
	XII.—Hyderabad.																					
29	Hyderabad . .	1,690	28·314	·208	·106	·259	+·008	·900	85·1	59·0	26·1	89·8	53·2	36·6	78·9	81·1	71·4	−0·9	54·9	62·5	61·2	59·5
	XIII.—Mysore.																					
30	Bangalore . .	3,021	26·996	26·883	·113	26·939	−·008	·847	82·2	59·7	22·5	85·3	55·9	29·4	76·0	79·3	70·0	+0·4	56·5	62·8	62·3	60·5
	Mysore . . .	2,518	27·486	27·361	·125	27·423	—·017	·851	83·5	61·8	21·7	86·0	54·9	31·1	77·5	81·9	71·7	−0·6	58·7	64·4	64·7	62·6
	XIV.—Madras.																					
32	Periyakulam .	944	29·033	28·897	·136	28·965		·816	87·6	67·8	19·8	89·8	59·5	30·3	80·8	84·3	77·7		64·2	69·4	69·6	67·8
	Pudukkottai .	318	·666	29·540	·126	29·603		·853	87·2	70·3	16·9	89·4	64·4	25·0	81·6	84·7	78·7		68·3	71·3	67·7	69·1
	Madras . .	22	·972	·867	·105	·922	—·001	·876	88·9	69·0	14·9	87·4	65·0	22·4	79·8	81·0	75·7	−2·2	68·1	73·3	72·5	71·3
	Station in the Bay.																					
1	Port Blair . .	58	·898	·796	·102	·849	+·001	·837	85·8	76·4	9·4	88·4	73·0	15·4	82·5	83·0	80·3	−0·9	73·5	77·0	76·6	75·8
	Kashmir.																					
14	Srinagar . .	5,204	25·014	24·897	·117	24·956	—·040	24·927	62·2	31·7	30·5	68·1	27·9	38·2	49·4	58·8	46·9	+2·9	29·3	45·4	53·3	42·7
	Leh . . .	11,503	19·769	19·671	·098	19·718	—·020	19·686	44·9	19·1	25·8	50·6	8·1	42·5	34·9	40·8	30·1	−2·0	16·3	27·1	30·1	24·5
	Baluchistan.																					
16	Quetta . .	5,502	24·772	24·698	·074	24·725	—·004	24·685	67·2	P		75·6			56·7	62·1			27·8	41·0	43·4	37·4

N.B.— Elevations in italics indicate barometric determinations.

Note.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

A.

36 stations, in India, etc., in November, 1908.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of subdivision.
														Total number of 10 hrs. and 16 hrs. winds from																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															I.—Burma.	
·738	·790	·747	·773	—·016	93	80	66	86	+ 3	5·3	5·2	5·3	+1·3	1	5	27	6	8	13				N 80° E	N 66° E	52	57	45*	94	7·03	1·12	Rangoon.	2
																															III.—Bengal.	
·498	·513	·458	·504	—·074	90	55	43	65	− 9	2·0	2·4	2·2	−0·3	3	12	4	1	2	1	2	3	32	N 33° W	N 12° W	67	58	70	60	0·04	0·04	Calcutta	6
																															IV.—United Provinces of Agra and Oudh.	
·333	·326	·254	·310	—·092	81	37	22	53	−11	0	0·2	0·1	−1·2	17	4	4	5	1	1	4	15	9	N 61° W	N 51° W	30	24	38*	55	0	0	Allahabad.	10
·260	·288	·298	·277	—·059	71	42	39	54	− 9	0·5	1·6	1·1	−0·4	19	6	2	6	3	6	4	8	3	S 69° W	S 84° W	7	19	24†	31	0	0	Dehra Dun.§	11
																															V.—Punjab.	
·301	·370	·384	·348	+·032	86	51	38	62	+ 5	1·0	0·7	0·9	−0·6	26	2	5	3	4	4		11	5	N 67° W	N 42° W	10	18	27*	31	0	0	Lahore.	12
																															VIII.—Rajputana.	
·260	·283	·274	·274	—·023	62	30	25	44	− 3	0·3	1·2	0·8	−0·7	3	6	5	9	1	2	5	9	20	N 38° W	N 24° W	37	35	71	65	0·16	0·16	Jaipur.	19
·302	·311	·324	·317		72	33	30	48		0·5	1·0	0·8		15	3	7	17	8	2	3	3	2	S 89° E		35		43*		0·03	0·03	Udaipur.	
																															IX.—Bombay.	
·618	·660	·687	·680	—·036	77	67	63	73	0	0·4	0·3	0·4	−1·3			10	15	3	1		11	20	N 3° W	N 18° E	30	51	189	230	0	0	Bombay.	26
																															XI.—Central Provinces.	
·331	·362	·331	·350	—·079	72	39	29	50	−7	0·9	1·2	1·1	−1·2	5	17	20	7	2	1	1	4	3	N 27° E	N 54° E	57	59	55*	89	0	0	Nagpur.	24
																															XII.—Hyderabad.	
·384	·362	·294	·358	−·154	76	37	27	50	−16	1·9	2·7	2·3	−1·3	11		24	18	5				2	N 68° E	S 75° E	67	63	64*	84	0	0	Hyderabad	29
																															XIII.—Mysore.	
·427	·413	·369	·416	—·123	82	47	38	59	−16	2·4	3·8	3·1			10	28	13	3			1	5	N 44° E	N 60° E	73	68	158*	120	0·07	0·07	Bangalore.	30
·463	·439	·397	·446	—·117	82	46	36	58	−13	3·3	4·0	3·7	−2·7		8	19	19	8	1		2	3	N 64° E	N 39° E	63	22	151*	206	0·04	0·02	Mysore.	
																															XIV—Madras.	
·561	·573	·533	·555		79	58	46	60		2·4	4·6	3·5		25	3	4	4	5	9	3	6	1	S 10° E		13		35*		0·30	0·21	Periyakulam.	32
·669	·631	·586	·629		90	58	50	66		5·1	5·6	5·4		1	11	34	3	1			1	9	N 27° E		75		205*		0·67	0·51	Pudukkottai.	
·680	·731	·687	·721	—·075	95	73	66	81	− 3	4·4	4·5	4·5	−1·4		30	18	2	1		1	1	7	N 11° E	N 27° E	79	62	130	156	12·07	5·06	Madras.	
																															Stations in the Bay.	
·787	·856	·829	·849	—·092	87	77	73	82	− 3	6·7	6·8	6·8	+1·0	14	1	14	7	6	6	5	6	1	S 79° E	N 81° E	18	42	152*	161	8·19	2·00	Port Blair.	1
																															Kashmir	
·139	·262	·351	·251	+·018	77	74	70	74‡	− 5	1·4	2·0	1·7	−1·3	16	9	5	3	7	3	2	5	10	N 12° W	N 1° E	17	21	53*	62	0	0	Srinagar.	14
·070	·088	·083	·081	—·017	68	44	34	51	− 5	2·6	4·8	3·7	−0·5			3	2	5	26	17	7		S 16° W	S 27° W	68	37	62	50	0·17	0·16	Leh.	
																															Baluchistan.	
	·089	·092				21	16			0·4	1·0	0·7	−1·0	22	11		2			2	5	18	N 38° W	N 51° W	47	40	52*	48	0	0	Quetta.	16

† Mean of 29 days. * Corrected. ‡ Mean of three previous columns. § Wind less 3.

Table

Abstract of observations taken at 10 hrs. and 16 hrs. at

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, Wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to sea-level and gravity 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Hill Stations excluding Kashmir and Baluchistan.																					
	Simla . . .	7,224	23·179†	23·136	·043	23·148	—·024	23·109†	54·8	43·3	11·5	59·7	32·7	27·0	51·0	50·5	48·5	−1·6	35·5	40·8	41·9	39·4
	Sarain . .		·235	·176	·059	·195			55·7	33·6	22·1	63·3	26·5	36·8	45·4	49·0	44·2			37·8	40·8	
	Kalabagh§ . .		20·136	20·100	·036	20·108			39·0	28·7	10·3	44·9	27·0	17·9	32·2	35·0	33·8			29·8	30·6	
	Chakrata . .	7,022	23·376	23·323	·053	23·340	—·001	23·300	62·2	42·2	20·0	65·3	33·2	32·1	53·9	52·0	51·7	+0·2	36·2	42·6	42·1	40·3
	Muktesar . .	7,592	22·917	22·850	·067	22·874		22·831	58·5	40·8	17·7	62·9	32·6	30·3	51·8	53·2	49·2		33·0	41·2	43·8	39·3
	Katmandu . .	4,388	25·761	25·644	·117	25·700	+·002‖	25·654	70·6	42·8	27·8	75·3	36·8	38·5	57·1	57·5	56·2	−1·6‖	41·3	51·9	55·7	49·6
	Darjeeling¶ . .	7,376	23·073	23·019	·054	23·043	—·040	22·998	56·7	41·6	15·1	58·7	39·3	19·4	52·1	54·5	49·7	+1·9	38·2	47·7	50·4	45·4
	Pachmarhi .	3,528	26·561	26·483	·078	26·515	—·010	26·462	74·3	49·0	25·3	80·2	41·1	39·1	65·9	71·7	61·2	−0·6	44·8	54·2	56·1	51·7
	Mount Abu . .	3,945	·171	·100	·071	·128	—·010	·079	72·6	57·8	14·8	78·2	49·4	28·8	69·8	69·4	64·7	−0·5	47·5	53·5	52·9	51·3
	Chikalda . .	3,642	·444	·344	·100	·387	—·029	·332	76·1	58·2	17·9	81·7	53·1	28·6	71·2	73·7	66·7	+0·2	49·8	56·0	57·9	54·6
	Ootacamond .	*7,329*	23·065	22·982	·083	23·021		22·957	62·1	43·8	18·3	66·5	35·7	30·8	58·1	57·7	52·5		42·7	52·1	53·1	49·3
	Kodaikanal . .	7,688	22·838	·767	·071	22·803		·738	59·3	46·6	12·7	64·7	40·6	24·1	55·9	54·3	52·9		44·3	50·5	51·4	48·7
	Dodabetta . .	8,539	·063	·014	·049	·036		21·973	55·3	44·5	10·8	60·7	39·5	21·2	51·5	52·8	49·4		42·0	46·5	47·9	45·5
	Extra India.																					
	Minicoy . .	7	29·986	29·886	·100	29·941																
	Zanzibar . .	72	·960	·842	·118	·906	—·013	29·905	85·2	77·0	8·2	87·8	72·2	15·6	81·8	84·6	80·1	+0·7	73·3	76·4	76·1	75·3
	Diego Garcia .								Register not received.													
	Seychelles . .	15	·974	·888	·086	·944	+·002‖	·883	83·5	76·3	7·2	86·0	73·2	12·8	81·3	82·0	78·5	+1·9‖	71·0	75·7	75·9	74·2
	Mauritius . .	181				·861	−0·27	·992				87·5	63·4	24·1			75·1	−0·1				69·6

§ Observations of 6 days.

† Mean of 29 days.

N.B.—Elevations in italics indicate barometric determinations.

NOTE—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

‖ Departure from old normals.

¶ Observations of 26 days.

A—*concluded.*

36 stations, in India, etc., in November, 1908—concluded.

Vapour tension, in inches of mercury.					Humidity.					Cloud.				Wind direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of subdivision
														Total number of 10 hrs. and 16 hrs. winds from																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															Hill Stations excluding Kashmir and Baluchistan.	
·128	·152	·179	·153	—·018	46	41	49	49	− 2	2·4	2·7	2·6	+0·3	6	12	1		1	11	2	1	1	N 82° W	N 27° W	5	8	99* ‡	77	0·35	0·30	Simla††	
	·152	·173				52	50			1·9	3·6	2·8		20	1	3	2		17	14	3		S 70° W		42		74*		0·16	0·10	Sarain.	
	·148	·135				81	66			3·0	4·5	3·8											Not recorded.								Kalabagh.	
·154	·159	·167	·160	—·036	57	38	43	50	− 7	0·7	1·8	1·3	−0·5	12	6		1	8	23				S 12° E	S 51° W	55	30	109*	130	0·07	0·04	Chakrata.	
·111	·152	·191	·151		44	39	47	47		1·6	3·1	2·4		28			1		1	3	27		S 83° W		47		108*		0·05	0·02	Muktesar.	
·245	·331	·310	·295	— ·041	88	70	46	72	− 3	0·5	0·8	0·7	−1·9	3	5		23			2	27		N 59° W	N 81° W	12	42	14	14	0	0	Katmandu.	
·197	·289	·326	·271	+·007	74	74	76	79	− 4	2·8	4·2	3·5	−0·8	8		16	2	11		1		14	N 40° E	N 54° W	29	10	55*	65	0	0	Darjeeling.§§	
·256	·291	·277	·275	—·033	72	46	35	58	− 3	0·1	0·1	0·1	−2·0	13	6	15	2		1	3	3	17	N 10° W	N 41° E	43	39	55*	67	0·38	0·38	Pachmarhi.	
·215	·227	·214	·219	—·024	44	30	30	41	− 4	0·2	0·7	0·5	−0·9	3	4	13	3	7	1	10	7	12	N 26° W	N 44° E	21	15	105*	106	0·05	0·05	Mount Abu.	
·269	·280	·301	·283	—·070	55	36	36	49	−11	1·7	1·7	1·7	−0·5	19	8	2			1	7		23	N 45° W	N 6° W	47	21	166*	120	0	0	Chikalda.	
·267	·329	·358	·318		92	68	75	78		3·9	6·0	5·0		3	10	15	10	4	1	2	6	9	N 24° E		40		86*		1·08	0·42	Ootacamund.	
·274	·318	·353	·315		85	71	83	80		3·8	7·3	5·6			11	1	5	4	6	1	7	25	N 40° W		43		323		1·73	0·55	Kodaikanal.	
·244	·267	·285	·265		83	70	71	75		4·9	6·4	5·7			20	13	5	5	3	2	3	9	N 14° E		44		409*		0·79	0·24	Dodabetta.	
																															Extra India.	
										3·2	3·6	3·4			25	23	1	1		2	3	5	N 14° E		73		62*		3·86	1·78	Minicoy.	
60	·835	·790	·813	—·031	82	77	66	77	− 5	6·4	3·9	5·2	−0·2	7	10	9	6	6	7	5	8	2	N 52° E	S 36° E	8	17	99*	110	11·45	7·44	Zanzibar.	
									Register not received.																						Diego Garcia.	
33	·816	·817	·800	—·036	76	76	74	78	− 5	5·9	6·8	6·4	− ·51	9	5	3	4	8	10	1	4	16	S 19° W	S 56° E	22	14	145	127	4·70	1·16	Seychelles.	
			·630	+·027				72	+ 4			57	+0·2										S 85° E	S 83° E			254	257	2·08	0·46	Mauritius.	

* Corrected. ‡ Mean of 17½ days. §§ Wind less 8. †† Wind less 25.

Table B.—Abstract of observations taken at 8 hrs. at 236 stations in India, etc., in November, 1908.

(1) Provincial means.

(2) Data of stations.

(1) Provincial means based on the material in Table B (2) except that the statement of rainfall depends on the complete data of about 2,700 stations.

	Pressure departure from normal.	Temperature of air.								Wind.		Hygrometry.				Cloud.		Rainfall.		
		Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Absolute range during month.	Departure of velocity from normal.	Departure of steadiness from normal.	Mean humidity.	Departure from normal.	Mean vapour tension.	Departure from normal.	Mean cloud amount.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.
Burma	—·008	82·3	—3·3	67·9	+0·4	75·1	—1·5	14·4	28·8	—0·2	— 5	89	+ 5	·694	+ ·009	5·1	+1·4	7·75	1·41	+6·34
Eastern Bengal and Assam	—·015	82·4	+0·4	61·0	—1·6	71·7	—0·6	21·4	31·1	0	— 5	85	— 3	·572	—·037	2·1	—0·3	0·50	0·67	—0·17
Bengal	—·013	84·1	+1·3	58·0	—3·5	71·1	—1·1	26·0	34·5	—0·2	+ 6	70	— 8	·442	—·106	1·3	—0·1	0·01	0·52	—0·51
United Provinces of Agra and Oudh.	—·010	83·4	+1·3	52·9	—1·5	68·2	—0·1	30·6	40·8	0	— 2	63	—·7	·347	—·058	0·3	—0·8	0·02	0·13	—0·11
Punjab	—·014	81·4	—0·8	50·6	+0·7	66·0	—0·1	30·8	43·6	0	+ 5	65	+ 7	·323	+ ·013	0·8	—0·8	0·05	0·12	—0·07
North-West Frontier Province	—·037	78·2	—1·5	48·2	+2·2	63·2	+0·4	30·0	43·3	—1·3	+16	71	+ 6	·303	+ ·033	0·7	—1·5	0	0·48	—0·48
Sind	—·006	86·8	—0·6	58·7	+1·2	72·8	+0·3	28·1	42·6	—0·7	+ 1	62	+ 7	·417	+ ·056	0·2	—1·4	0	0·09	—0·09
Rajputana	—·013	85·8	—1·0	54·3	—2·3	70·0	—1·7	31·5	45·9	—0·6	+ 2	54	+ 2	·310	+ ·001	0·3	—1·2	0·05	0·19	—0·14
Bombay	+ ·001	87·8	+0·1	63·0	—1·4	75·4	—0·7	24·7	38·3	—1·1	— 8	55	— 7	·450	—·053	0·6	—0·9	0·09	0·70	—0·61
Central India	—·011	83·9	+1·1	54·2	+0·1	69·0	+0·6	29·7	43·3	—0·7	+ 6	53	— 6	·331	—·038	0·5	—0·6	0·02	0·24	—0·22
Central Provinces	—·003	84·4	+0·8	56·2	—1·9	70·3	—0·6	28·2	40·8	—0·3	— 2	51	— 9	·325	—·090	0·8	—0·7	0·02	0·50	—0·48
Hyderabad	—·011	85·6	+0·2	59·5	—2·7	72·6	—1·3	26·0	38·1	—1·5	— 5	55	— 9	·414	—·121	1·2	—1·1	0	1·03	—1·03
Mysore	+ ·001	83·4	+2·5	60·3	—2·1	71·9	+0·2	23·1	31·6	—0·8	— 8	63	—13	·466	—·091	2·3	—2·3	0·06	2·56	—2·50
Madras	+ ·007	86·3	+0·3	69·1	—2·0	77·7	—0·9	17·2	26·3	+0·4	+1	74	— 6	·652	—·073	3·5	—0·9	1·15	5·01	—3·86

Table

(2) Abstract of observations taken at 8 hrs. at 236

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma.																						
2	Mergui	56	29·911	+·009	29·898	29·987	24th & 25th.	29·820	3rd	·167	75·8	86·5	−0·9	70·1	+0·4	78·3	−0·3	16·4	90·9	2nd	63·4	19th	27·5
	Tavoy	19	29·955	−·016	29·906	30·036	24th	29·861	2nd & 3rd.	·175	75·3	86·6	−1·3	69·9	+1·4	78·2	+0·1	16·7	90·0	3rd	62·3	26th	27·7
	Moulmein	94	29·891	+·005	29·924	29·998	24th	29·770	3rd	·228	76·2	86·7	−1·7	71·6	+0·5	79·2	−0·6	15·1	90·5	3rd	65·3	25th & 26th.	25·2
	Rangoon	36	29·945	−·005	29·918	30·051	24th	29·831	3rd	·220	75·7	85·2	−2·4	72·5	+0·2	78·9	−1·1	12·7	89·1	1st	65·9	26th	23·2
	Bassein	27?	29·943	−·007	29·908	30·046	24th	29·823	3rd	·223	73·8	84·9	−1·3	71·4	−0·1	78·1	−0·7	13·5	89·7	1st	65·9	26th & 29th.	23·8
	Diamond Island	41	29·922	−·010	29·898	30·022	24th	29·800	3rd	·222	78·5	84·4	−1·1	75·3	+0·1	79·9	−0·5	9·1	87·4	1st	72·2	20th	15·2
	Toungoo	164	29·829†	+·007	29·838†	29·925	24th	29·705	3rd	·220	73·4	85·3	−2·0	71·3‡	+0·6	78·8‡	−0·7	14·0	92·0	1st	66·2	21st, 22nd	25·8
	Kyaukpyu	18	29·946		29·905	30·058	24th	29·819	3rd	·239													
	Akyab	20	29·939	−·031	29·902	30·052	24th	29·799	4th	·253	72·3	81·0	−4·1	70·6	−0·8	75·8	−2·5	10·4	87·9	2nd	65·3	27th & 28th.	22·6
3	Thayetmyo	121	29·872	−·001	29·937	29·991	24th	29·757	3rd	·234	73·1	83·7	−4·3	67·5	+0·2	75·6	−2·1	16·2	92·5	1st	58·9	27th	33·6
	Minbu	*165*	29·853	−·014	29·966	29·956	24th	29·736	4th	·220	71·6	81·1	−7·5	68·1	−0·0	74·6	−3·8	13·0	94·3	1st	62·5	23rd, 26th & 27th.	31·8
	Yamethin	657	29·308?	−·051	29·935	29·407	24th	29·194	3rd	·213	70·8	82·1	−6·7	68·4	+1·4	75·3	−2·7	13·7	94·3	1st	61·0	27th	33·3
	Mandalay	250	29·749	−·007	29·956	29·857	27th	29·616	3rd	·241	70·8	82·3	−4·4	64·8	−2·4	73·6	−3·4	17·5	97·0	1st & 2nd	57·9	26th	39·1
	Monywa	*280*	29·745		29·964	29·857	27th	29·597	3rd	·260	69·3	79·9		67·0		73·4		12·9	91·8	1st	60·1	27th & 29th.	31·7
	Lashio	*2,751*	27·205	−·032	27·151	27·320	27th	27·076	4th	·244	60·6	72·9	−4·2	57·2	+3·0	65·1	−0·6	15·6	80·8	1st	47·0	26th & 28th.	33·8
	Bhamo	*381*	29·645	−·006	29·998	29·781	27th	29·497	3rd	·284	64·3	77·1	−4·7	61·0	+1·8	69·0	−1·5	16·1	83·4	2nd	50·6	26th	32·8
	Myitkyina	458	29·563		29·999	29·698	27th	29·408	3rd	·290	64·9	77·4		59·8		68·6		17·6	84·2	2nd	50·5	30th	33·7
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	353	29·668		29·997	29·772	30th	29·513	3rd	·259	62·6	79·2		57·6		68·4		21·6	86·4	4th	50·1	30th	36·3
	Sibsagar	333	29·727	−·003	30·033	29·841	27th	29·573	3rd	·268	62·1	76·6	−1·7	57·0	−2·6	66·8	−2·2	19·6	79·6	4 days	50·2	29th	29·4
	Tezpur	252	29·768		29·991	29·871	27th	29·600	3rd	·271	62·3	81·2		58·8		70·0		22·4	84·6	8th	54·4	28th & 30th.	30·2
	Gauhati	135	29·845		30·005	29·959	27th	29·664	3rd	·295	63·7	82·7		58·0		70·3		24·7	86·5	10th	51·1	30th	35·4
	Dhubri	115	29·903	−·016	29·979	30·014	27th	29·727	3rd	·287	66·5	79·5	−0·3	62·8	−0·7	71·2	−0·5	16·7	83·5	1st & 10th.	56·3	30th	27·2
	Silchar	104	29·912	−·007	29·973	30·044	27th	29·757	3rd	·287	67·8	83·7	−1·1	62·6	−1·0	73·1	−1·1	21·1	88·3	2nd	55·2	28th & 28th.	33·0
5	Cox's Bazar	26	29·930		29·910	30·051	24th	29·780	3rd	·271													
	Chittagong	87	29·894	−·022	29·932	30·011	24th	29·736	3rd	·275	70·0	81·8	−1·2	65·0	−0·8	73·4	−1·0	16·8	87·1	2nd	58·9	26th & 27th.	28·2
	Noakhali	43	29·950 b		29·940 b	30·061	24th	29·787	3rd	·274	70·4	82·1		63·4		72·7		18·7	85·3	7th & 18th.	57·9	27th & 30th.	27·4
	Barisal	12	29·946?	−·044?	29·905?	30·071	24th	29·810	3rd	·261	71·3	82·8	0	63·0	−2·0	72·9	−1·0	19·8	86·3	1st	58·6	23rd & 30th.	27·7
	Comilla	36	29·947‖		29·931‖	30·054	27th	29·786	3rd	·268	70·0	84·1		62·4		73·2		21·7	87·3	17th & 19th.	56·3	30th	31·0
	Narayanganj	26	29·964‖	−·018	29·939‖	30·078	27th	29·802	3rd	·276	70·1	84·1	+0·6	64·0	−2·0	74·1	−0·7	20·1	87·5	19th	59·8	27th & 30th.	27·7
	Faridpur	46	29·952		29·949	30·053	27th	29·774	3rd	·279	69·5	83·1		61·3		2·2		21·8	86·3	1st	56·9	24th & 30th.	29·4
	Sirajganj	49	29·955		29·955	30·069	27th	29·766	3rd	·303	67·9	83·7		62·4		3·1		21·3	87·3	29th	57·8	29th & 30th.	29·5
	Mymensingh	63	29·940	−·017	29·956	30·049	27th	29·766	3rd	·283	70·3	83·8	+2·3	62·5	−1·2	73·2	+0·6	21·3	86·6	13th	55·6	29th	31·0
	Bogra	75	29·928	−·018	29·957	30·049	27th	29·749	3rd	·300	69·7	84·1	+2·4	60·7	−1·7	72·5	+0·4	23·7	88·2	1st	55·2	30th	33·0
	Rampur Boalia	70	29·941		29·961	30·044	27th	29·750	3rd	·294	69·1	84·0		61·1		12·6		22·9	88·6	1st	53·1	22nd	35·5
	Malda	72	29·934		29·960	30·032	30th	29·756	3rd	·276	66·7	83·2		58·3		71·1		24·4	87·3	4th	51·0	30th	36·3
	Dinajpur	123	29·883	−·019	29·967	29·996	27th	29·701	3rd	·295	65·9	83·2	+0·8	57·9	−3·1	70·6	−1·2	25·3	85·8	1st	49·0	30th	36·8
	Rangpur	123	29·903		29·986	30·012	27th	29·721	3rd	·291	68·1	82·4		60·5c		71·7c		21·9	84·6	4 days	54·5	24th	0·1

† Mean of 28 days. ‡ Mean of 15 days. ‖ Mean of 29 days.
b " " " c Mean of 25 days.

N.B.—Elevations in italics indicate barometrical determinations.
NOTE—The barometric readings are not reduced to sea-level, in the cases of hill or plateau

B.

stations, in India, etc., in November, 1908.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W	N.W.	Resultant direction.	Normal direction.	Wind velocity: Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness: Actual percentage.	Departure from normal.	Hygrometry, 8 hrs.: Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs., in inches of mercury.	Departure from normal, in inches of mercury.	Cloud: Mean cloud amount at 8 hrs.	Departure from normal	Rainfall: Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th November 1908.	Normal rainfall for period, 1st May to 30th November.	Departure from normal of period, 1st May to 30th November 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																I.—Burma.
	4	6	2	1		1	7	9	N 28° W	N 29° E		1·6		49	− 3	86	+ 8	·762	+·012	1·7	−2·6	7	5·60	+1·40	6·00	3·70	+ 2·30	16·80	155·53	+12·27	2·05	Mergui.
30									(a)	N 29° E	1·3*	1·2	+0·1			84	+ 3	·741	+·003	4·3	+0·3	7	3·90	+3·10	6·98	1·96	+ 5·02	203·00	203·34	− 0·34	2·00	Tavoy.
11	4	4	2	7	1	1			N 89° E	N 4° E	2·4	2·4	0	30	+ 8	85	+ 2	·772	+·022	2·8	−0·9	8	2·50	+5·50	6·99	1·93	+ 5·06	209 5	179·79	+29·96	1·19	Moulmein.
	9	15	3	1	2				N 40° E	N 68° E	3·9	3·9	0	69	+ 9	85	− 2	·764	−·004	5·2	+2·0	11	2·80	+8·20	7·03	2·43	+ 4·60	106·47	94·23	+12·24	1·12	Rangoon.
9	2	8	7	2	1			1	N 66° E	N 56° E	2·8	3·6	−0·8	46	−13	98	+12	·820	+·056	4·2	+0·8	7	3·80	+3·20	2·31	3·51	− 1·20	104·68	109·88	− 5·20	0·44	Bassein.
1		14	6	4	2	3			N 79° E	N 53° E	12·0	9·2	+2·8	56	−17	80	+ 2	·790	0	4·3	+0·2	10	7·10	+2·90	8·07	5·41	+ 2·66	133·12	113·59	+19·53	1·86	Diamond Island.
4	9	8	3	1		1		4	N 20° E	N 12° W	2·0§	1·7	+0·3	56	+ 4	91‖	+ 3	·746‖	+·013	6·4	+1·9	7	2·00	+5·00	5·48	1·20	+ 4·28	97·77	76·32	+21·45	3·03	Toungoo.
		12	10	6	2				N 85° E		3·3			77						3·4		11			22·84			194·45			6·26	Kyaukpyu.
3	2	19	3	1	2				N 54° E	N 26° E	4·4	2·3	+2·1	69	−15	93	+ 4	·745	0	7·3	+3·6	11	2·80	+8·20	27·48	2·77	+24·71	200·56	186·52	+14·04	7·93	Akyab.
	14	8	1	1	4			2	N 20° E	N 4° E	2·5*	3·6	−1·1	56	+ 1	81	+ 6	·687	+·022	5·4	+2·8	9	2·40	+6·60	5·32	1·74	+ 3·58	43·16	35·58	+ 7·58	1·64	Thayetmyo.
2	2			1	1		2	22	N 47° W	N 48° W	3·9	7·1	−3·2	76	0	86	+10	·664	+·011	5·9	+3·3	10	1·30	+8·70	7·92	0·45	+ 7·47	43·88	30·31	+13·57	1·15	Minbu.
9	8	1		2	1			9	N 18° W	N 18° W	2·1	3·0	−0·9	46	− 2	88	+ 4	·660	−·015	7·8	+5·7	8	2·60	+5·40	7·59	0·97	+ 6·62	37·26	31·88	+ 2·38	1·70	Yamethin.
30									(a)	N 11° E	1·2	2·0	−0·8			88	+ 3	·653	−·024	4·4	+0·6	12	2·90	+9·10	8·69	1·71	+ 6·98	28·17	30·69	− 2·52	1·75	Mandalay.
8	14				1			7	N 16° W		2·0			62		92		·668		6·3		10	2·10	+7·90	8·63	1·01	+7·62	28·25	27·30	+ 0·95	3·00	Monywa.
3									(a)		1·0*¶					96	+ 5	·514	+·031	8·2	+1·3	15			11·15	2·18	+ 8·97	57·94	57·16	+ 0·78	2·70	Lashio.††
26		4							N 45° E	N 23° E	1·4	1·7	−0·3	13	−26	96	+ 6	·581	+·013	4·2	0	9	2·00	+7·00	8·20	1·01	+ 7·19	80·08	69·53	+10·55	2·54	Bhamo.
13	1	7	7	2					N 71° E		1·7*			46		88		·544		5·3		4			3·49			61·80			2·29	Myitkyina.
																																II.—Eastern Bengal and Assam.
29			1						E		§§ 0·7			3		90		·510		2·6		1	1·50	−0·50	0·16	0·81	− 0·65	100·71	95·00	+ 5·71	0·16	Dibrugarh.
22	3	4					1		N 18° E	N 60° E	1·1	1·5	−0·4	23	− 4	93	− 5	·527	−·049	4·9	−0·3	0	2·00	−2·00	0	0·93	− 0·93	69·07	77·74	− 8·67	0	Sibsagar.
17		8	4	1					N 64° E		2·5			37		88		·495		0·9		0	1·20	−1·20	0	0·41	− 0·41	52·65	61·11	− 8·46	0	Tezpur.
29			1						S 45° E		1·1			3		91		·560		5·6		1	0·80	+0·20	0·43	0·31	+ 0·12	47·20	53·09	− 5·89	0·43	Gauhati.
		10	13	7					N 85° E	N 65° E	9·2	5·1	+4·1	82	+ 5	84	− 4	·552	−·040	0·2	−1·7	1	0·30	+0·70	0·13	0·22	− 0·09	90·14	85·69	+ 4·45	0·13	Dhubri.
22			2	6					S 56° E	N 79° E	1·5	1·7	−0·2	27	+19	88	+ 1	·607	−·022	2·3	−2·4	2	2·00	0	1·77	1·25	+ 0·52	94·70	99·15	− 4·45	1·43	Silchar.
	6	14	8	1	1				N 53° E		2·5*			76						3·7		8			10·27			126·92			6·17	Cox's Bazar.
13	1	11	5						N 55° E	N 43° E	1·5	2·7	−1·2	53	−20	91	+ 2	·667	−·014	3·7	+0·2	4	1·80	+2·20	4·85	1·48	+ 3·37	85·27	87·80	−2·53	2·99	Chittagong.
7	7	14		1			1		N 30° E		1·5			67		85		·629		2·1		1	1·39	−0·39	0·18	1·61	− 1·43	85·51	104·45	−18·94	0·15	Noakhali.
10	8	7	2				3		N 17° E	N 18° E	1·3	1·7	−0·4	53	+28	87	+ 4	·667	−·011	2·0	+0·1	1	1·32	−0·32	0·99	1·26	− 0·27	59·14	70·21	−11·07	0·99	Barisal.
28	1			1					N 45° E		0·8			3		86		·635		0·7		0	1·55	−1·55	0	1·19	− 1·19	76·48	79·50	− 3·02	0	Comilla.
15	1	5	2	1		2	4		N 21° E	N 13° E	0·9	2·1	−1·2	20	−23	82	− 3	·606	−·053	3·0	+0·6	0	1·33	−1·33	0	1·07	− 1·07	57·87	60·52	− 2·65	0	Narayanganj.
16	9	1		1			1	2	N 6° W		0·9			33		85		·615		1·8		0	1·23	−1·23	0·01	1·03	− 1·02	56·59	60·21	− 3·62	0·01	Faridpur.
21	2	1	1			1	1	3	N 27° W		1·4			17		87		·598		3·1		0	0·84	−0·84	0·08	0·55	− 0·47	42·52	55·68	−13·16	0·08	Sirajganj.
21	1	1	5	2					N 88° E	N 58° E	1·0	1·1	−0·1	24	− 9	83	− 6	·615	−·024	4·0	+1·4	0	0·90	−0·90	0·09	0·65	− 0·56	68·84	78·57	− 9·73	0·09	Mymensingh.
23	4	1	2						N 31° E	N 27° E	1·1	1·4	−0·3	20	−18	78	− 7	·574	−·034	0·7	−0·4	0	0·58	−0·58	0·03	0·78	− 0·75	41·15	62·30	−21·15	0·03	Bogra.
16	11	3							N 9° E		1·6			43		74		·528		1·7		0	0·68	−0·68	0	0·31	− 0·31	30·33	53·41	−23·08	0	Rampur Boalia.
2	3	8					12		N 8° W		2·4*			73		84		·553		0·2		0	0·39	−0·39	0	0·22	− 0·22	32·08	50·34	−18·26	0	Malda.
8	4	11	7						N 51° E	N 21° E	1·6	2·2	−0·6	62	+ 7	83	− 1	·531	−·045	1·6	+0·4	0	0·19	−0·19	0·01	0·04	− 0·03	38·93	67·07	−28·14	0·01	Dinajpur.
15		8	6	1					N 67° E		0·3			43		78		·540		0		0	0·13	−0·13	0	0·24	− 0·24	50·18	78·69	−28·51	0	Rangpur.

stations, the elevations of which exceed 3,200 feet.

* Uncorrected. § Mean of 27 days. (a) Indeterminate. §§ Mean of 22 days. ¶ Mean of 3 days. †† Wind observation of 3 days.

Table

(2) *Abstract of observations taken at 8 hrs. at 236*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.							Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	II—Eastern Bengal and Assam—*concld.*																						
	Jalpaiguri	283	29·738‡	−·013	29·990‡	29·850	27th	29·554	3rd	·296	65°	82·8	+2·5	59·4	−1·3	71·6	+0·6	24·4	85·9	6 days.	54·4	30th	31·5
	Cooch Behar	156	29·870		29·989	29·989	27th	29·694	3rd	·295	65·5	81·5		61·4		71·4		20·1	83·8	3rd	57·6	29th & 30th.	26·2
	III.—Bengal.																						
6	Saugor Island	25	29·970	−·025	29·940	30·078	30th	29·791	3rd	·287	70·5	83·8	+2·1	66·0	−1·1	74·9	+0·5	17·8	88·0	2nd	61·5	24th & 25th.	26·5
	Midnapore	149	29·854		29·955	29·956	30th	29·675	3rd	·281	67·8	85·5		60·2		72·9		25·3	89·3	1st	56·7	4 days	32·6
	Calcutta	21	29·985	−·019	29·952	30·088	24th & 30th.	29·803	3rd	·285	67·7	83·7	+2·3	61·9	−2·7	72·8	−0·2	21·8	88·1	1st	57·1	25th	31·0
	Jessore‡	33	29·958¶	−·022¶	29·939¶	30·081	28th	29·791	3rd	·290	69·8	83·9	+0·8	60·8†	−3·8	72·5†	−1·5	23·1	88·0	1st	56·7	28th	31·3
	Krishnagar	47	29·954		29·952	30·068	29th	29·763	3rd	·305	64·5	84·2		59·8		72·0		24·4	88·6	1st	55·0	23rd & 30th.	33·6
	Burdwan	99	29·910	−·020	29·962	30·009	24th	29·736	3rd	·273	67·5	85·3	+2·1	61·3	−3·0	73·3	−0·5	24·0	89·9	1st	57·3	13th	32·6
	Bankura	313	29·682‡		29·958‡	29·794	30th	29·512	3rd	·282	67·6	85·0‡		59·8		72·3‡		25·2	90·1	5th	56·2	23rd & 24th.	33·9
	Raniganj	334	29·680		29·985	29·792	30th	29·502	3rd	·290	63·1	83·9		57·6		70·8		26·3	88·5	1st	55·0	23rd, 24th & 30th.	33·5
	Berhampore	67	29·948	−·015	29·966	30·050	30th	29·761	3rd	·289	66·6	82·6	+0·6	62·2	−1·8	72·5	−0·6	20·4	86·6	1st	56·7	30th	29·9
	Naya Dumka	489	29·521‡		29·992‡	29·630	30th	29·347	3rd	·283	65·8	83·2		56·9		70·1		26·3	87·4	1st	52·0	23rd	34·4
7	Balasore	50	29·968	−·016	29·965	30·072	30th	29·779	3rd	·293	66·1	85·0	+1·4	59·3	−3·7	72·2	−1·2	25·7	88·4	1st	55·8	13th & 20th.	32·6
	False Point	21	29·995	−·005	29·958	30·096	30th	29·804	3rd	·292	68·9	84·1	+1·7	61·2	−4·3	72·7	−1·3	22·9	89·6	17th	56·6	30th	33·0
	Cuttack	80	29·933	−·009	29·958	30·039	30th	29·742	3rd	·297	66·9	85·2	+0·1	62·3	−3·8	73·8	−1·9	22·9	88·4	12th & 18th.	59·2	15th & 30th.	29·2
	Puri	24	29·974		29·937	30·082	30th	29·771	3rd	·311	71·1	86·0		65·9		76·0		20·1	89·6	11th	61·6	20th & 29th.	28·0
	Angul	455	29·561		29·996	29·670	30th	29·381	3rd	·289	65·9	83·4		57·3		70·4		26·1	87·1	11th & 12th.	53·5	30th	33·6
	Sambalpur	486	29·555	+·007	30·010	29·683	30th	29·346	3rd	·337	66·3	83·5	−0·3	57·2	−5·1	70·4	−2·7	26·3	87·1	11th	53·1	16th	34·0
8	Chaibassa	*733*	29·268	−·006	29·992	29·371	30th	29·088	3rd	·283	60·3	83·9	+0·4	56·3	−4·1	70·1	−1·9	27·6	88·3	1st	52·7	6th & 30th	35·6
	Ranchi	2,128	27·865	−·001	30·009	27·958	30th	27·707	3rd	·251	64·5	78·1	+0·3	56·2	−1·4	67·1	−0·6	21·9	82·2	7th & 11th.	53·9	30th	28·3
	Purulia	*816*	29·175‡		29·978‡	29·282	30th	29·002	3rd	·280	62·2	83·6		58·7		71·2		24·9	88·0	1st	55·6	30th	32·4
	Hazaribagh	2,007	27·977	−·013	29·989	28·070	30th	27·821	3rd	·249	66·9	77·7	+0·4	55·8	−2·1	66·8	−0·9	21·9	82·7	1st	53·3	22nd & 30th.	29·4
	Daltonganj	*730*	29·308§		30·035§	29·429	30th	29·095	3rd	·334	59·5	84·4		49·8		67·1		34·6	89·5	2nd	46·0	30th	43·5
9	Purnea	122	29·901	−·011	29·985	30·004	27th & 29th.	29·707	3rd	·297	59·7	84·3	+2·4	54·5	−4·7	69·4	−1·2	29·8	87·5	1st	49·2	30th	38·3
	Bhagalpur	160	29·869		29·987	29·964	28th	29·692	3rd	·272	70·1	85·8		57·9		71·8		27·9	90·2	1st	53·3	23rd	36·9
	Monghyr	155	29·868‡		29·980‡	29·971	30th	29·692	3rd	·279	67·8	84·4		59·7		72·0		24·7	88·9	1st	54·9	24th & 30th.	34·0
	Darbhanga	165	29·857	−·016	29·986	29·955	30th	29·691	3rd	·264	62·6	85·2	+3·9	54·3	−7·7	69·8	−1·9	30·9	88·6	2nd	48·3	30th	40·3
	Pusa	188	29·836		29·987	29·932	28th	29·651	3rd	·281	63·3	86·4		53·7		70·1		32·7	90·4	2nd	49·3	22nd	41·1
	Muzaffarpur	178	29·855		29·997	29·954	28th	29·685	3rd	·269	65·3	84·0		53·9		68·9		30·1	87·7	1st & 2nd	50·0	23rd, 24th & 30th.	37·7
	Motihari	224	29·908		30·004	29·909	28th	29·636	3rd	·273	60·0	84·2		51·0		67·6		33·2	87·9	1st	46·3	30th	41·6
	Chapra	181	29·839		29·984	29·937	29th	29·676	3rd	·261	62·4	84·0		55·6		69·8		28·4	88·7	1st & 2nd	49·9	30th	38·8
	Patna	183	29·845	−·020	29·989	29·945	30th	29·662	3rd	·283	68·0	82·7	+1·0	58·9	−1·6?	70·8	−0·3	23·8	87·5	1st	53·2	30th	34·3
	Arrah	190	29·841‡		29·994‡	29·947	30th	29·674	3rd	·273	62·7	84·9		54·2		69·5		30·7	89·4	1st	49·2	30th	40·2
	Buxar	239	29·780		29·987	29·904	29th	29·611	3rd	·293	64·6	86·0		57·4		71·7		28·6	92·0	1st	53·1	30th	38·9
	Dehri	351	29·667		29·981	29·774	30th	29·500	3rd	·274	64·2	85·1		56·8		72·0		26·3	90·3	1st & 2nd	55·5	26th	34·8
	Gaya	375	29·642‡	−·023	29·991‡	29·750	29th	29·169	3rd	·281	63·2	84·8	+1·6	56·8	−2·9	70·8	−0·7	26·0	89·9	1st & 2nd	53·2	30th	36·7
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·756	−·014	29·983	29·849	30th	29·588	3rd	·261	63·8	83·6	+2·0	52·8	−5·5	68·2	−1·8	30·8	88·6	1st	50·5	26th & 30th.	38·1
	Benares	267	29·769	−·010	29·996	29·867	29th	29·603	3rd	·264	64·6	84·8	+2·7	51·9‖	−4·1	68·3‖	−0·7	32·9	90·1	1st & 2nd	49·1	22nd	41·0
	Allahabad	399	29·719	−·009	29·999	29·837	30th	29·535	3rd	·282	63·6	85·5	+2·4	53·6	−1·5	69·6	+0·5	31·9	91·6	1st & 2nd	49·5	17th	42·1

N.B.—Elevations in italics indicate barometrical determinations.

¶ Mean of 26 days.
† „ „ 25 „
‡ Mean of 29 days.
§ „ „ 28 „
‖ Mean of 27 days.

NOTE.—The barometrical readings are not reduced to sea-level, in the cases of hill or plateau

B—*continued.*

***stations, in India, etc., in November, 1908*—continued.**

Wind direction. Number of winds from: Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour	Normal	Departure from normal	Wind steadiness. Actual percentage	Departure from normal	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal	Mean vapour tension at 8 hrs. in inches of mercury	Departure from normal, in inches of mercury	Cloud. Mean cloud amount at 8 hrs.	Departure from normal	Rainfall. Number of rainy days	Normal number of rainy days	Departure from normal	Rainfall of month	Normal rainfall of month	Departure from normal	Total rainfall from 1st May to 30th November 1908	Normal rainfall for period, 1st May to 30th November	Departure from normal of period, 1st May to 30th November 1908	Heaviest rainfall during month	Station
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																II.—Eastern Bengal and Assam—*contd*
17	3	1	2		1		1	5	N 16° W	N 20° E	1·2			21	−34	78	− 6	·487	−·075	0·6	−0·6	0	0·32	−0·32	0	0·13	−0·13	84·54	117·13	−32·59	0	Jalpaiguri.
26	1	2		1					N 45° E		1·1			10		82		·515		0·3		0	0·37	−0·37	0	0·14	−0·14	123·74	120·16	+3·58	0	Cooch Behar.
																																III.—Bengal.
	20	7						3	N 6° E	N 10° E	6·3	7·0	−0·7	89	+16	82	− 5	·609	−·079	2·8	−0·3	0	1·35	−1·35	0	1·71	−1·71	45·68	68·39	−22·41	0	Saugor Island.
1	28	1							N 2° E		2·0			97		58		·397		1·5		0	1·14	−1·14	0	0·80	−0·80	57·38	55·97	+1·41	0	Midnapore.
9	6	2				1	1	11	N 29° W	N	2·9*	2·5	+0·4	53	+ 8	78	− 4	·536	−·075	2·0	+0·2	0	0·96	−0·96	0·04	0·68	−0·64	79·70	55·29	+24·31	0·04	Calcutta.
28	1								N	N 8° W	0·3	1·6	−1·3	3	−23	74	−12	·552	−·095	2·9	+0·9	0	1·10	−1·10	0·09	1·38	−1·29	49·89	57·11	−7·22	0·09	Jessore.
25							1	4	N 53° W		1·0			17		84		·508		2·0		0	0·81	−0·81	0	0·74	−0·74	51·77	49·95	+1·82	0	Krishnagar.
11	9	4					1	5	N 7° W	N 5° W	1·3	1·6	−0·3	49	+ 9	69	− 6	·466	−·093	1·9	−0·1	0	0·81	−0·81	0	0·79	−0·79	62·95	52·65	+10·30	0	Burdwan.
25							5		W		1·8					58		·390		0·8		0	0·79	−0·79	0	0·51	−0·51	51·69	52·10	−0·41	0	Bankura.
20	1						3	6	N 54° W		1·4			27		71		·417		0·6		0	0·63	−0·63	0	0·54	−0·54	44·14	52·22	−8·08	0	Raniganj.
13	4		1				3	9	N 39° W	N 13° W	1·0	1·5	−0·5	43	+13	78	− 7	·510	−·095	2·8	+0·9	0	0·52	−0·52	0	0·59	−0·59	50·00	51·43	−1·43	0	Berhampore.
30									(*a*)		0·8					62		·409		0·7		0	0·50	−0·50	0	0·31	−0·31	45·04	55·37	−10·33	0	Naya Dumka
1	10	1					1	17	N 28° W	N 21° W	1·4	2·1	−0·7	36	+19	70	−14	·443	−·157	2·4	−0·4	0	1·48	−1·48	0	1·22	−1·22	40·76	59·35	−18·59	0	Balasore.
1	8	1						20	N 30° W	N 19° W	4·2	6·0	−1·8	86	+ 6	74	−10	·521	−·147	3·6	+0·3	0	2·45	−2·45	0	2·92	−2·92	51·37	61·71	−10·34	0	False Point.
20	1					3	4	2	N 88° W	N 45° W	1·4*	1·6	−0·2	25	+ 8	74	− 2	·493	−·088	3·2	+0·8	0	1·71	−1·71	0	1·67	−1·67	66·31	56·60	+9·71	0	Cuttack.
1	27	2							N 2° E		8·6			93		65		·504		2·1		0	2·45	−2·45	0·01	2·77	−2·76	53·05	54·79	−1·74	0·01	Puri.
2	1						8	19	N 56° W		5·3			83		69		·440		1·2		0			0			46·43			0	Angul.
1	8	10	4	2		5			N 41° E	N 21° E	3·7	2·7	+1·0	46	−29	64	−12	·422	−·129	1·5	−0·3	0	1·00	−1·00	0	0·59	−0·59	77·73	64·69	+13·04	0	Sambalpur.
10				3	1	11	5		S 44° W	S 77° W	2·1	0·9	+1·2	49	+16	75	− 3	·396	−·125	2·0	+0·1	0	0·81	−0·81	0	0·77	−0·77	48·63	47·38	+1·25	0	Chaibassa.
7	2		2			1	7	11	N 56° W	N 63° W	5·1	3·7	+1·4	53	+35	49	−17	·299	−·126	1·4	−0·1	0	0·72	−0·72	0	0·39	−0·39	53·07	51·84	+1·23	0	Ranchi.
1	3	1	1			2	15	7	N 71° W		3·3			70		77		·431		1·7		0	0·74	−0·74	0	0·24	−0·24	51·24	49·07	+2·17	0	Purulia.
9	2			3	4	6	6		N 88° W	N 74° W	4·2	4·6	−0·4	43	+19	46	−20	·301	−·117	0·5	−1·6	0	0·65	−0·65	0	0·30	−0·30	43·43	50·77	−7·34	0	Hazaribagh.
30									(*a*)		2·5					73		·373		0·3		0	0·68	−0·68	0	0·38	−0·35	32·62	42·05	−9·43	0	Daltonganj.
27		3							N 45° E	N 50° E	0·4	1·5	−1·1	10	− 1	89	0	·457	−·098	0·7	−0·3	0	0·16	−0·16	0	0·08	−0·08	24·58	62·09	−37·51	0	Purnea.
21		2			1	1	3	2	N 76° W		1·1			13		60		·448		0·5		0	0·23	−0·23	0	0·17	−0·17	15·96	46·74	−30·78	0	Bhagalpur.
5			3	1		9	9	3	S 70° W		2·5			50		75		·509		0·5		0			0			20·87			0	Monghyr.
23		1	2		1		2	1	N	N 48° W	0·7	1·6	−0·9	1	− 9	81	− 1	·465	−·087	0·5	−0·2	0	0·19	−0·19	0	0·09	−0·09	31·41	48·71	−17·30	0	Darbhanga.
18	1	2	2	1	1	2	2	1	(*a*)		1·4					71		·419		0·7		0			0			19·04			0	Pusa.
22			3	4				1	S 68° E		1·2*			17		70		·434		0·2		0	0·37	−0·37	0	0·12	−0·12	21·56	43·40	−21·84	0	Muzaffarpur.
29					1				S 45° W		1·3			3		88		·462		1·0		0	0·18	−0·18	0	0·12	−0·12	20·55	49·39	−28·84	0	Motihari
19			2	1	2	4	1	1	S 22° W		1·2			20		72		·408		1·0		0	0·39	−0·39	0	0·25	−0·25	17·50	38·87	−21·37	0	Chapra.
4	2		2		5	13	3	1	S 44° W	S 60° W	1·9	1·8	+0·1	49	+22	62	− 9	·428	−·079	0·5	−0·8	0	0·32	−0·32	0	0·22	−0·22	23·21	46·12	−22·91	0	Patna.
16				1		5	7	1	S 70° W		1·0			40		72		·410		0·3		0	0·42	−0·42	0	0·21	−0·21	27·76	43·48	−15·72	0	Arrah.
7			4	1	1	9	7	1	S 52° W		2·6			37		60		·363		0·1		0	0·39	−0·39	0	0·40	−0·40	32·32	39·62	−7·30	0	Buxar.
2			1		1	25	1		S 43° W		3·2			37		69		·425		0·3		0	0·44	−0·44	0	0·28	−0·28	18·80	41·14	−22·34	0	Dehri.
17	1			2	7	1	2		S 58° W	S 7° E	2·4	2·3	+0·1	27	− 6	64	− 7	·373	−·102	0·7	−0·9	0	0·48	−0·48	0	0·47	−0·47	19·72	44·91	−25·19	0	Gaya.
																																IV.—United Provinces of Agra and Oudh.
15	1	5		1		1	1	6	N 13° W	N 67° W	2·7‡	1·0	+1·7	23	− 7	67	− 9	·397	−·102	0·1	−0·8	0	0·10	−0·10	0	0·15	−0·15	27·44	49·84	−22·40	0	Gorakhpur.
17			2		6	4	1		S 56° W	S 53° W	1·2	1·9	−0·7	30	+ 8	61	−19	·366	−·113	0	−1·4	0	0·30	−0·30	0	0·31	−0·31	26·01	39·27	−13·26	0	Benares.
15		4	1		1	1	10	1	S 88° W	N 82° W	1·5	2·3	−0·8	32	+ 7	58	−14	·348	−·109	0	−1·3	0	0·30	−0·30	0	0·25	−0·25	32·93	38·87	−5·94	0	Allahabad.

† Stations, the elevations of which exceed 3,200 feet. (*a*) Indeterminate. * Uncorrected.

Table

(2) Abstract of observations taken at 8 hrs., at 236

Number of subdivision.	Station.	Elevation of bar-ometer above sea-level, in feet.	Pressure, 8 hrs. in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IV.—United Provinces of Agra and Oudh—*concld.*																						
	Cawnpore	416	29·595	−·017	29·994	29·715	29th	29·435	3rd	·280	62·4	85·5	+1·4	51·9	−3·1	68·7	−0·9	33·6	92·4	10th	48·0	17th	44·4
	Lucknow	368	29·658	−·004	30·007	29·780	29th	29·568	3rd	·272	61·7	84·5	+1·2	51·6	−1·2	68·1	0	32·9	89·5	1st	48·1	17th	41·4
	Bahraich	401	29·610	−·015	29·996	29·710	30th	29·465	3rd	·245	62·2	85·2	+2·4	53·9	2·7	69·6	−0·2	31·3	89·6	1st	46·5	30th	43·1
11	Jhansi	835	29·213†	+·011†	30·038‡	29·350	29th & 30th.	29·050	3rd	·300	71·4	86·1	+0·8	60·7	+2·1	73·4	+1·5	25·4	92·0	2nd	57·0	5th, 18th, & 30th.	35·0
	Agra	556	29·465	−·018	30·011	29·615	29th	29·313	3rd	·302	62·2	83·4	−1·0	56·9	+1·0	70·2	0	26·5	90·0	1st & 2nd.	49·0	30th	41·0
	Mainpuri†	516	29·526**	+·011**	30·031**	29·645	29th	29·388	1st	·257	60·4	84·7	+1·2	52·6	−0·8	68·6	+0·2	32·1	91·3	2nd	49·1	4 days	42·2
	Bareilly	568	29·429	−·015	29·993	29·552	29th	29·294	3rd	·258	60·1	82·4	+1·3	52·0	−0·8	67·2	+0·3	30·4	87·3	1st & 2nd.	49·0	4 days	38·3
	Meerut	738	29·255	−·016	30·004	29·396	29th	29·124	3rd	·272	57·0	82·5	+1·2	50·7	+0·1	66·5	+0·7	31·8	89·1	1st	46·8	30th	42·3
	Roorkee	899	29·103	−·003	30·031	29·237	29th	28·972	3rd & 7th.	·265	55·3	79·6	−0·9	48·1	−1·7	63·9	−1·3	31·5	88·5	5th	44·4	30th	44·1
	Dehra Dun	2,233	27·752	−·013	30·033	27·870	29th	27·680	3rd	·240	57·1	76·8	+1·8	50·5	−1·3	63·7	+0·3	26·3	81·0	2nd	44·0	29th&30th	37·0
	V.—Punjab.																						
12	Delhi	718	29·291	−·007	30·012	29·435	29th	29·151	3rd	·284	61·4	82·8	−0·5	57·1	+0·9	70·0	+0·2	25·7	88·7	2nd	50·7	30th	38·0
	Sirsa	662	29·352	−·005	30·024	29·530	29th	29·201	8th	·329	58·4	84·1	+0·8	49·7	+0·2	66·9	+0·5	34·4	90·3	1st & 2nd	39·6	30th	50·7
	Patiala†	*818*	29·184		30·018	29·339	29th	29·020	3rd	·319	58·6	80·9		50·2		65·6		30·7	87·4	1st	43·4	22nd	44·0
	Ambala	892	29·100‡	+·013†	30·015‡	29·251	29th	28·986	7th	·265	56·3	81·7	−0·6	47·7	−3·2	64·7	−1·9	34·0	88·5	4th & 6th	42·5	29th	46·0
	Ludhiana	812	29·182	−·012	30·012	29·330	29th	29·045	3rd	·285	57·9	79·3	−1·3	51·8	+0·9	65·5	−0·2	27·5	85·0	2nd	47·0	30th	38·9
	Lahore	702	29·293	−·021	30·015	29·453	29th	29·153	3rd	·300	54·4	82·5	−1·1	49·3	+2·7	65·9	+0·8	33·2	88·4	1st	43·2	30th	45·2
	Sialkot	830	29·169	−·007	30·024	29·321	29th	29·027	3rd	·294	56·4	80·1	−0·8	49·2	−0·7	64·6	−0·8	30·9	86·2	2nd	42·1	30th	44·1
	Rawalpindi	1,674	29·322	−·019	30·079	28·465	29th	28·176	3rd	·289	50·7	77·1	−0·1	44·3	+1·0	60·7	+0·5	32·8	81·9	2nd, 6th & 7th.	36·9	30th	45·0
13	Khushab	612	29·412	−·004†	30·030	29·567	29th	29·225	3rd	·342	60·6	82·5	−0·3	51·8	+2·1	67·2	+0·9	30·7	89·4	1st	42·9	25th	46·5
	Montgomery	558	29·452	−·022	30·009	29·631	29th	29·306	8th	·325	61·4	82·9	−1·3	51·8	+0·9	67·4	−0·2	31·1	87·9	1st & 2nd	45·1	30th	42·8
	Multan	420	29·606	−·019	30·017	29·799	29th	29·451	1st	·348	59·9	81·4	−3·0	54·1	+1·7	67·8	−0·7	27·3	86·8	1st	47·5	30th	39·3
	VI.—North-West Frontier Province.																						
15	Peshawar	1,110	28·880†	−·053†	30·041†	28·962	18th	28·736	4th	·226	53·4	76·0	−1·1	47·1	+2·0	61·6	+0·5	28·9	82·2	1st	39·9	30th	42·3
	D. I. Khan	590	29·444‡	−·021	30·024‡	29·614	29th	29·242	4th	·372	55·6	80·3	−1·8	49·3	+2·3	64·8	+0·3	31·0	86·4	1st	42·1	29th&30th	44·3
	VII.—Sind.																						
17	Jacobabad	186	29·847	−·014	30·006	30·046	29th	29·659	1st	·387	61·8	87·7	+0·9	51·5	+0·7	69·6	+0·8	36·2	94·1	11th	44·3	25th	49·8
	Hyderabad	96	29·980	−·018	29·984	30·126	29th	29·734	1st	·392	67·5	89·6	+1·6	59·5	−0·5	74·6	+0·6	30·1	95·6	1st, 8th, & 11th.	50·0	4th	45·6
	Kurrachee	13	30·039	+·015	30·003	30·210	29th	29·842	1st	·368	70·4	83·0	−4·4	65·1	+3·3	74·1	−0·6	17·9	92·0	3rd	59·5	30th	32·5
	VIII.—Rajputana.																						
18	Bikaner	*771*	29·231	−·015	30·007	29·414	29th	29·053	1st	·361	63·1	84·9	+0·2	56·4	−3·0	70·7	−1·4	28·5	91·6	8th	49·5	30th	42·1
	Jodhpur	782	29·257	+·005	30·056	29·411	29th & 30th.	29·060	1st	·351	64·8	87·8	−2·2	55·8	−3·6	71·8	−2·9	32·0	93·6	1st & 7th	48·8	21st	44·8
	Pachpadra	*380*	29·573†	−·067†	29·926†	29·730	30th	29·417	3rd	·313	63·7	89·2	−1·5	49·9	−4·2	69·5	−2·9	39·3	95·7	1st	41·4	30th	54·3
19	Jaip	1,431	28·584	−·017	30·033	28·734	29th	28·438	3rd	·296	65·0	85·7	−0·1	54·2	−1·0	70·0	−0·6	31·5	91·2	8th & 9th	45·1	30th	46·1
	Sambhar	1,254	28·760	−·008	30·047	28·911	29th	28·609	1st	·302	58·1	84·8	+0·3	50·8	−2·1	67·8	−0·9	34·0	91·4	2nd	40·5	30th	50·9
	Ajmer	1,611	28·411	−·018	30·065	28·559	29th	28·256	1st	·303	58·5	83·3	−0·6	54·2	+2·2†	68·8	+1·3	29·1	87·9	1st & 9th	46·2	30th	41·7
	Kotah	819†	29·184	−·027	30·033	29·336	30th	29·012	1st	·324	67·9	86·5	−1·9	58·8	−1·6	72·7	−1·8	27·7	92·0	2nd & 9th	52·1	19th	39·9
	Udaipur	1,925	28·105	−·013	30·046	28·231	30th	27·929	1st	·302	65·4	84·0	−2·0	53·9	−0·7	69·0	−1·4	30·1	92·5	1st	44·8	30th	47·7

N.B.—Elevations in italics indicate barometrical determinations.

† Mean of 24 days.
‡ „ „ 29 „

** Mean of 18 days.

NOTE.—The barometric readings are not reduced to sea-level in the cases of

B—*continued.*

***stations, in India, etc., in November, 1908*—continued.**

Wind direction. Number of winds from: Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th November 1908.	Normal rainfall for period, 1st May to 30th November.	Departure from normal of period, 1st May to 30th November 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IV.—United Provinces of Agra and Oudh—*concld.*
15	1	2		1		2	6	3	N 72° W	N 68° W	1·5	1·9	−0·4	23	+ 4	60	− 6	·337	−·074	0	−0·9	0	0·10	−0·10	0	0·44	−0·44	33·03	34·32	− 1·29	0	Cawnpore.
24						2	1	3	N 81° W	N 72° W	0·8	1·4	−0·6	17	+ 4	66	−10	·365	−·079	0·1	−0·9	0	0·20	−0·20	0	0·11	−0·11	35·01	36·74	− 1·73	0	Lucknow.
18	2	2	2	1		1	3	3	N 23° W	N 2° W	0·9	1·8	−0·9	17	+ 4	§§ 61	§§ +4?	§§ ·466	§§ −·016	0·1	−0·5	0	0·30	−0·30	0	0·40	−0·40	24·26	45·67	−21·41	0	Bahraich.
14	1	2	1	4		6	1	1	S 10° W	S 81° W	3·2	1·8	+1·4	13	−10	47	− 3	·363	+·017?	0·5	−0·4	0	0·10	−0·10	0	0·13	−0·13	45·06	36·86	+ 8·20	0	Jhansi.
11		4	1	5		7		2	S 13° E	N 56° W	3·1	2·7	+0·4	13	− 24	60	+ 1	·338	−·006	0·6	−0·4	0	0·10	−0·10	0	0·11	−0·11	33·78	26·92	+ 6·86		Agra.
6	1	1	2		6	1	5	2	S 49° W	N 60° W	1·8	0·8	+1·0	25	+ 6	60	− 9	·319	−·055	0·2	−1·2	0	0·10	−0·10	0	0·31	−0·31	24·32	29·21	− 4·89	0	Mainpuri.(b)
25	1	1	1			1	1		N	N 7° E	1·0	1·2	−0·2	3	− 6	66	−11	·345	−·064	0·5	−0·3	0	0·27	−0·27	0	0·18	−0·18	38·86	44·81	− 5·95	0	Bareilly.
26			1				3		W	S 88° W	0·5	1·1	−0·6	7	−10	72	+ 2	·337	+·011	0·1	−0·8	1	0·20	+0·80	0·34	0·13	+0·21	34·95	28·52	+ 6·43	0·34	Meerut.
28				1				1	(*a*)	S 81° E	1·2*	1·1	+0·1			75	− 2	·360	+·002	0·4	−0·7	0	0·50	−0·50	0·09	0·28	−0·19	33·28	38·53	− 5·25	0·09	Roorkee.
30									(*a*)	S 53° W	0·9§	1·3	−0·4			62	− 9	·293	−·045	0·7	−1·2	0	0·60	−0·60	0	0·40	−0·40	67·49	82·27	−14·78	0	Dehra Dun.
																																V.—Punjab.
2			3	2		2	19	2	S 85° W	N 89° W	2·4	2·1	+0·3	56	+18	67‡	+15	·359‡	+·072	0	−1·4	0	0·30	−0·30	0	0·11	−0·11	38·03	24·91	+13·12	0	Delhi.
13	3		3	3	1	5	1	1	S 2° W	S 18° W	1·4 ††	2·7	−1·3	10	− 1	65	+ 6	·318	+·030	0·8	−1·0	0	0·10	−0·10	0	0·01	−0·01	21·81	12·37	+ 9·44	0	Sirsa.
6	6	3	2	6			1	5	N 30° E		3·1			31		35		·342		1·1		0			0			17·27			0	Patiala.
19	2		2	4				3	N 64° E	N 34° W	2·4	1·4	+1·0	10	+ 2	69	− 6	·314	−·041	0·7	−0·4	1	0·30	+0·70	0·15	0·46	−0·31	17·82	27·43	− 9·61	0·15	Ambala.
25		3		1				1	N 45° E	S 27° W	0·9	1·0	−0·1	10	+ 3	65	+ 1	·313	+·003	0·8	−1·3	1	0·20	+0·80	0·40	0·06	+0·34	22·47	23·25	− 0·78	0·40	Ludhiana.
23		1	3				3		N 45° E	N 5° W	1·2	1·3	−0·1	3	+ 2	82	+15	·344	+·031	1·0	−0·5	0	0·20	−0·20	0	0·07	−0·07	30·52	16·43	+14·09	0	Lahore.
22	3	1	3	1					N 55° E	N 42° E	0·4	0·8	−0·4	17	+ 2	73	+ 8	·334	+·030	1·3	−0·2	1	0·30	+0·70	0·18	0·09	+0·09	39·55	24·98	+14·57	0·18	Sialkot.
23	5	1						1	N	N 50° W	1·5	1·2	+0·3	21	+10	70	+ 5	·261	+·003	1·6	−0·5	0	0·60	−0·80	0	0·29	−0·29	43·54	24·67	+18·87	0	Rawalpindi.
14	1	8	1			4	1	1	N 25° E	N 38° E	2·9	2·7	+0·2	20	− 2	70	+22	·375	+·199?	0·6	−0·7	0	0·30	−0·30	0·01	0·02	−0·01	21·54	10·32	+11·22	0·01	Khushab.
8	2	3	5	7	3		2		S 69° E	S 72° E	3·0	2·9	+0·1	37	+15	52	− 1	·279	−·007	0·8	−1·0	0	0·20	−0·20	0	0·06	−0·06	25·54	7·84	+17·70	0	Montgomery.
22		4		4					E	N 72° E	0·9	1·2	−0·3	19	− 4	62	0	·316	−·008	0·5	−0·7	0	0·10	−0·10	0	0·07	−0·07	8·73	5·74	+ 2·99	0	Multan.
																																VI.—North-West Frontier Province.
30									(*a*)	S 31° W	0·1	2·0	−1·9			68	+ 3	·282	+·021	0·9	−1·8	0	0·90	−0·90	0	0·47	−0·47	8·97	6·15	+2·82	0	Peshawar.
24		6							N 45° E	N 9° E	0·2	0·8	−0·6	20	+16	73	+ 8	·324	+·045	0·4	−1·1	0	0	0	0	0·18	−0·18	13·54	5·50	+8·04	0	D. I. Khan.
																																VII.—Sind.
14	6	2			1			7	N 17° W	N 18° E	1·5	1·6	+0·3	40	+28	58	+ 4	·321	+·024	0·3	−1·4	0	0·20	−0·20	0	0·11	−0·11	2·80	2·78	+0·02	0	Jacobabad.
9	5	1			3	7		5	N 80° W	N 10° W	4·6	6·3	−1·7	27	−14	†† 56	+ 6	·390††	+·050	0·2	−1·5	0	0·20	−0·20	0	0·12	−0·12	19·39	6·19	+13·20	0	Hyderabad.
5	7	10	1				3	4	N 8° E	N 49° E	6·9	7·5	−0·6	56	−11	73	+12	·541	+·093	0	−1·3	0	0·30	−0·30	0	0·07	−0·07	5·61	6·72	−1·11	0	Kurrachee.
																																VIII.—Rajputana.
8	1		1	3	6	6	3	2	S 30° W	N 76° W	2·3‡‡	3·3	−1·0	40	+21	49	+ 1	·284	−·013	0·7	−0·8	0	0·10	−0·10	0	0·05	−0·05	17·09	10·17	+ 6·92	0	Bikaner.
8	5	6	4	6	1				N 72° E		2·5			43		43		·267		0·2		0	0·20	−0·20	0·07	0·16	−0·09	33·09	12·59	+20·50	0·07	Jodhpur.
28	1				1				N 67° W		0·8	2·8	−2·0	3		50	− 3	·302	−·007	0	−1·7	0	0·30	−0·30	0	0·08	−0·08	21·84	12·57	+ 9·27	0	Pachpadra.
13	5	1	2	1			2	3	N 9° E	N 1° W	2·9*	2·7	+0·2	30	+ 5	49	− 5	·304	−·026	0·4	−1·2	1	0·20	+0·80	0·16	0·20	−0·04	35·58	24·68	+10·90	0·16	Jaipur.
25	4	1							N 9° E	N 7° E	2·1	2·9	−0·8	17	0	68	+15	·329	+·044	0·2	−1·1	0	0·20	−0·20	0·02	0·18	−0·16	21·44	19·45	+ 1·99	0·02	Sambhar.
25		3						2	N 11° E	N 2° W	2·3	1·7	+0·6	13	−17	68	+ 3	·335	+·006	0·3	−1·0	0	0·40	−0·40	0·03	0·20	−0·17	35·23	20·58	+14·65	0·03	Ajmer.
29	1								N		1·2			3		48		·325		0·2		0	0·30	−0·30	0	0·02	−0·02	39·73	25·67	+14·06	0	Kotah.
26	1	1					1	1	N 23° W		1·8			7		53		·331		0·6		0	0·50	−0·50	0·03			24·13			0·03	Udaipur.

hill or plateau stations, the elevations of which exceed 3,200 feet.

§ Mean of 27 days.
†† " 28 "
‡‡ " 3 "
§§ " 4 "

* Uncorrected.
b Wind observation of 24 days.

(*a*) Indeterminate.

Table

(2) Abstract of observations taken at 8 hrs. at 23

Number of subdivisions.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IX.—Bombay.																						
20	Deesa	466	29·553	—·009	29·991	29·695	30th	29·347	1st	·348	68·4	92·2	+0·7	57·3	—0·4	74·8	+0·2	34·9	100·3	1st	49·4	29th	50·9
	Bhuj	395	29·639	+·011	29·998	29·773	29th & 30th.	29·434	1st	·339	71·7	86·6	—2·6	61·5	—1·2	74·1	—1·9	25·1	94·1	1st	53·5	30th	40·6
	Jamnagar	61	29·978		29·981	30·117	30th	29·773	1st	·344	74·3	85·4		63·6		74·5		21·8	95·9	1st	51·7	28th	44·2
	Dwarka	37?	30·004		29·988	30·137	30th	29·812	1st	·325	75·3	84·3		66·5		75·4		17·8	93·3	3rd	60·7	27th	32·6
	Rajkot	429	29·599	+·014	29·992	29·733	30th	29·397	1st	·336	72·1	90·8	+0·4	58·7	—0·6	74·8	—0·1	32·1	98·9	1st	50·0	27th	48·9
	Veraval	*18*	29·994	+·001	29·954	30·111	30th	29·778	3rd	·333	73·5	87·8	—0·5	65·7	—2·0	76·7	—1·3	22·1	95·7	7th	59·3	21st	36·4
	Bhavnagar Para	55	29·973	—·021?	29·972	30·107	30th	29·762	3rd	·345	70·3	91·4	+1·5	61·1	—3·2	76·2	—0·9	30·3	100·6	1st	53·5	30th	47·1
	Surat	39	29·972	—·004	29·957	30·089	30th	29·758	3rd	·331	70·8	91·2	+0·6	63·9	+1·1	77·6	+0·9	27·3	96·1	7th	57·6	22nd	38·5
	Ahmedabad	163	29·861	—·004	29·978	30·014	30th	29·646	3rd	·368	71·1	92·8	+1·4	64·2	—1·5	78·6	—0·1	28·6	100·6	1st	56·7	30th	43·9
26	Bombay	37	29·969	+·007	29·947	30·086	30th	29·763	3rd	·323	74·8	86·1	—0·8	72·4	—0·9	79·3	—0·9	13·7	89·0	6th	68·5	21st	20·5
	Ratnagiri	110	29·872	+·014	29·922	29·966	30th	29·683	3rd	·283	77·7	88·4	—2·1	67·6	—2·2	78·1	—2·2	20·6	92·8	15th & 29th.	60·9	23rd	31·9
	Goa	199	29·769	—·014	29·909	29·819	30th	29·591	3rd	·258	75·9	84·2	—3·2	71·8	—0·4	78·0	—1·8	12·4	86·1	15th & 21st.	66·1	22nd	20·0
	Mormugao	*60*	29·921	—·004	29·917	29·994	30th	29·745	3rd	·249	74·6	85·2	—1·8	71·1	—1·7	78·2	—1·8	14·1	87·5	3rd	66·2	24th	21·3
	Karwar	44	29·942	+·016	29·921	30·005	24th	29·766	3rd	·239	71·6	87·5	+0·1	67·7	—1·7	77·6	—0·8	19·8	89·3	22nd, 25th & 30th.	59·5	21st	29·8
27	Malegaon	1,420	28·579	—·007	30·004	28·683	30th	28·371	3rd	·312	68·8	89·8	+2·7	56·1	—1·0	73·0	+0·9	33·7	97·9	1st	46·1	19th	51·8
	Ahmednagar	2,154	27·867	+·001	30·009	27·954	30th	27·680	3rd	·274	69·5	85·9	+0·6	56·5	+0·3	71·2	+0·5	29·4	92·9	12th	47·0	22nd & 23rd.	45·9
	Poona	1,846	28·160	—·003	30·003	28·248	30th	27·960	3rd	·288	67·2	86·5	+0·2	55·7	—3·6	71·1	—1·7	30·8	94·0	8th	46·3	21st	47·7
	Sholapur	1,590	28·412	+·006	29·984	28·599	30th	28·225	3rd	·284	71·6	87·9	+0·4	60·3	—2·0	74·1	—0·8	27·6	92·8	1st	55·9	20th & 23rd.	36·9
	Bijapur	*1,948*	28·047	—·007	29·971	28·140	30th	27·867	3rd	·273	71·9	88·9	+2·4	59·6	—1·4	73·8	+0·5	28·4	93·2	1st & 5th	50·2	22nd	43·0
	Belgaum	2,539	27·445	+·006	29·945	27·520	30th	27·276	3rd	·244	70·7	83·4	+1·3	59·2	—1·9	71·3	—0·3	24·2	87·3	3rd & 6th.	52·6	22nd	34·7
	X.—Central India.																						
21	Neemuch	1,624	28·394	—·010	30·036	28·538	30th	28·210	3rd	·328	65·2	85·0	+0·5	54·2	—0·7	69·6	—0·1	30·8	92·5	2nd	44·8	30th	47·7
	Indore	1,823	28·203	+·014	30·027	28·322	30th	28·005	3rd	·317	69·0	85·1	+1·9	55·5	+1·4	70·3	+1·7	29·6	92·6	1st	48·1	19th & 20th.	44·5
22	Nowgong	754	29·258	—·019	30·009	29·397	30th	29·102	3rd	·295	61·9	82·5	+0·2	53·0	—0·3	67·9	0	29·5	89·0	10th	47·5	18th	41·5
	Sutna	1,040	28·954	—·028	30·003	29·085	30th	28·792	3rd	·293	63·0	82·8	+1·7	53·9	0	68·3	+0·9	28·9	89·0	10th	49·7	17th	39·3
	XI.—Central Provinces.																						
23	Buldana	2,132	27·890		30·000	27·993	30th	27·701	3rd	·292	71·3	83·4		61·1		72·2		22·3	90·4	2nd & 3rd.	56·2	18th	34·2
	Akola	930	29·092	+·002	30·009	28·215	30th	28·897	3rd	·318	68·1	88·4	+1·4	56·3‡	—1·1	72·5‡	+0·2	32·1	95·2	1st	48·6	19th, 21st & 22nd	46·6
	Amraoti	1,215	28·807‡	+·001‡	30·009‡	28·919	30th	28·611	3rd	·308	70·3	86·3	0	60·3	—1·3	73·3	—0·7	26·0	91·8	1st	54·8	21st	37·0
24	Khandwa	1,044	28·965	—·010	30·012	29·095	30th	28·761	3rd	·334	63·0	89·5	+2·7	56·6	+0·4	73·1	+1·6	32·9	97·2	1st & 2nd	47·1	19th	50·1
	Hoshangabad	1,006	29·023	—·006	30·036	29·151	30th	28·824	3rd	·327	62·6	85·4	+1·1	55·0	—2·3	70·2	—0·6	30·4	92·6	2nd	47·9	20th	44·7
	Saugor	1,807	28·193	—·016	30·004	28·321	30th	28·025	3rd	·286	67·6	82·7	+0·7	59·2	+2·0	70·9	—1·4	22·5	90·6	2nd	54·0	19th	36·6
	Jubbulpore	1,327	28·683	—·008	30·033	28·810	30th	28·505	3rd	·305	59·5	82·8	+0·9	51·2	—1·9	67·0	—0·5	31·6	88·0	1st, 2nd & 10th.	44·8	18th	43·2
	Seoni	2,033	27·985	+·002	30·031	28·105	30th	27·811	3rd	·294	65·0	82·4	+1·1	51·6	—3·8	67·0	—1·4	30·8	89·3	10th	45·4	18th	43·9
	Nagpur	1,017	29·008	+·007	30·015	29·124	30th	28·804	3rd	·320	66·1	85·9	+0·9	58·4	—4·0	71·2	—1·6	29·5	92·1	10th	51·1	20th	41·0
25	Pendra	2,123?	27·977		30·019	28·081	30th	27·814	3rd	·267	65·9	78·9		52·3		66·6		24·6	84·8	10th	49·7	16th & 21st.	35·1
	Raipur	970	29·047	+·003	30·013	29·168	30th	28·849	3rd	·319	62·8	89·1	—0·1	58·1	—2·6	70·6	—1·4	25·0	89·2	11th & 12th.	53·1	30th	36·1
	Chanda	*634*	29·379§	—·005§	29·965§	29·190	30th	29·168	3rd	·322	65·6	84·2‡	—0·9	54·3§	—4·7§	69·3§	—2·8	30·0	89·5	11th	48·0	21st	41·5

N.B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,000 feet.

‡ Mean of 29 days.

§ Mean of 28 days.

B—*continued.*

***stations, in India, etc., in November, 1908*—continued.**

Wind direction. Number of winds from: Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs., in inches of mercury.	Departure from normal, in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th November 1908.	Normal rainfall for period, 1st May to 30th November.	Departure from normal of period, 1st May to 30th November 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IX.—Bombay.
10	3	11	4	1	1				N 54° E	N 81° E	5·4*	7·3	−1·9	49	−14	45	+ 4	·317	+ ·017	0·6	−0·6	0	0·18	−0·18	0	0·17	−0·17	37·51	23·78	+13·73	0	Deesa.
8	2		3			2	4	11	N 50° W	N 34° W	2·4	5·5	−3·1	43	+ 8	5	− 4	·425	− ·027	0·9	−0·1	0	0·30	−0·30	0	0·12	−0·12	11·45	14·11	−2·66	0	Bhuj.
4		6	13	1	2	1	2	1	N 84° E		8·8			49		52		·453		0·3		0			0			24·14			0	Jamnagar.
5	7	4	1			2	3	8	N 24° W		9·7			49		71		·629		0·3		0			0			13·35			0	Dwarka.
6	5	6	4	3		2	1	3	N 37° E	N 48° E	4·6	5·1	−0·5	33	−14	45	−10	·354	− ·083	0·7	−0·3	0	0·50	−0·50	0	0·33	−0·33	17·92	27·95	−10·03	0	Rajkot.
6	15	4						5	N 2° W	N 22° E	3·8	5·8	−2·0	69	− 1	57	+ 2	·464	− ·014	0·3	−1·3	0	0·30	−0·30	0	0·59	−0·59	22·13	18·14	+3·99	0	Veraval.
3	6					1	2	18	N 40° W	N 60° W	2·7	6·4	−3·7	79	+26	45	−21†	·351	− ·135†	0·3	−0·9	0	0·40	−0·40	0	0·47	−0·47	22·97	19·46	+3·57	0	Bhavnagar Para.
7	3	4	9	2	1			4	N 59° E	N 55° E	2·9	4·6	−1·7	40	−13	61	− 3	·488	− ·020	0·3	−1·0	0	0·40	−0·40	0	0·16	−0·16	47·13	43·89	+3·24	0	Surat.
	3	18	4	3				2	N 49° E	N 55° E	4·4	4·3	+0·1	76	+16	47	− 3	·369	− ·035	0·2	−1·6	0	0·30	−0·30	0	0·38	−0·10	32·21	32·94	−0·73	0	Ahmedabad.
	1	13	13	2	1				N 72° E	N 73° E	7·8*	9·6	−1·8	82	+ 4	74	0	·656	− ·023	0·9	−0·6	0	0·60	−0·60	0	0·49	− ·049	53·32	74·94	−21·62	0	Bombay.
7	2		16	4	1				S 85° E	S 78° E	8·3	7·6	+0·7	62	− 1	53	− 6	·510	− ·063†	0·1	−1·3	1	1·00	0	0·20	0·42	−0·22	85·44	107·03	−21·59	0·20	Ratnagiri.
	3	12	12	1	2				N 68° E	N 69° E	4·8	3·6	+1·2	76	−10	70	0	·630	− ·038	1·4	−0·2	0			0	1·14	−1·14	112·03	97·80	+14·23	0	Goa.
6	2	12	9					1	N 56° E	S 84° E	5·4*	7·3	−1·9	66	−12	78	− 3	·675	− ·054	1·4	0	0			0	1·16	−1·16	108·75	92·34	+16·41	0	Mormugao.
13	4	10						3	N 21° E	N 65° E	3·4*	2·8	+0·6	46	−24	75	− 7	·594	− ·062	0·9	−0·6	0	2·50	−2·50	0	2·08	−2·08	137·24	123·05	+14·19	0	Karwar.
28							1	1	N 66° W	N 74° W	4·2	4·8	−0·6	6	−46	37	−19	·279	− ·127	0·4	−1·3	0	1·00	−1·00	0	0·50	−0·50	12·33	23·54	−11·21	0	Malegaon.
3	1	1	3	3	10	2		7	S 4° W	N 76° E	6·8	6·6	+0·2	23	+ 8	40	−24	·304	− ·166	0·5	−1·2	0	1·50	−1·50	0	0·59	−0·59	16·35	20·86	−3·91	0	Ahmednagar.
24	1		1	1				3	N 10° W	S 76° E	5·1*	6·3	−1·2	8	−19	58	− 3	·403	− ·025	0·5	−1·2	1	1·70	−0·70	0·37	1·06	−0·69	20·39	26·88	−6·49	0·37	Poona.
1	5	5	11	2				6	N 46° E	S 87° E	8·2	8·4	−0·2	53	−11	45	− 8	·352	− ·077	1·0	−1·4	0	1·50	−1·50	0	1·19	−1·19	25·28	29·76	−4·48	0	Sholapur.
4	1	9	4	7	2	1	1	1	N 88° E	S 76° E	2·6	3·6	−1·0	43	−11	45	−25	·355	− ·180†	0·4	−2·1	0	2·10	−2·10	0	1·25	−1·25	14·76	23·19	−8·43	0	Bijapur.
19		1	6	3		1			S 75° E	S 87° E	7·5†	10·6	−3·3	27	−31	53	−11	·401	− ·059	1·4	−0·9	1	2·20	−1·20	0·34	1·76	−1·42	56·53	47·61	+8·92	0·26	Belgaum.
																																X.—Central India.
8	11	6				1	2	2	N	N 51° E	4·0	5·3	−1·3	53	+ 5	45	− 2	·281	− ·037	0·4	−0·5	0	0·50	−0·50	0	0·19	−0·19	25·08	29·29	−4·21	0	Neemuch.
16	2	3	5	1	1	1	1		N 75° E	N 45° E	1·9	1·9	0	23	+ 5	48	− 9	·354	− ·026	0·4	−0·7	0	0·50	−0·50	0·01	0·35	−0·34	24·29	32·96	−8·67	0·01	Indore.
8		1	4	1	7	3	6		S 16° W	N 53° W	1·4	1·0	+0·4	30	+17	60	−10	·347	− ·053	0·8	−0·6	0	0·70	−0·70	0	0·27	−0·27	45·50	42·95	+2·55	0	Newgong.
13		1	1				7	8	N 60° W	N 13° W	1·2	3·2	−2·0	43	− 4	59	− 4	·343	− ·034	0·4	−0·7	0	0·70	−0·70	0	0·34	−0·34	46·97	43·34	+3·63	0	Sutna.
																																XI.—Central Provinces.
	2		7	11	4	2	2	2	S 45° E		3·9	5·0	−1·1	47		34		·270		0·9		0			0	0·68	−0·68	32·33	34·66	−1·68	.0	Buldana.
9		1	4	11	3	3	4		S 28° E	N 89° E	3·0	3·5	−0·5	46	+ 6	49	−10	·347	− ·060	0·9	−0·6	0	0·80	−0·80	0	0·54	−0·54	33·44	32·28	+1·16	0	Akola.
1	3	13	9		2	1		1	N 59° E	N 67° E	4·7	3·9	+0·8	66	+15	40	−13	·298	− ·114	1·0	−0·5	0	0·60	−0·60	0	0·59	−0·59	28·74	32·95	−4·21	0	Amraoti.
27				1		2			S 63° W	N 74° E	2·0	2·8	−0·8	7	−18	52	− 5	·314	− ·056	1·0	−0·1	0	0·60	−0·60	0·07	0·23	−0·16	18·68	30·36	−11·68	0·07	Khandwa.
23		1	5				1		N 81° E	N 66° E	1·3	2·1	−0·8	17	−43	62	− 6	·355	− ·051†	0·4	−0·9	1	0·50	+0·50	0·11	0·45	−0·34	36·99	50·69	−13·70	0·11	Hoshangabad.
6	1	3	7	5	3	4	1		S 55° E	S 73° E	3·9	2·7	+1·2	37	+ 4	33‡	−11	·287‡	− ·067	0·6	−0·5	1	0·50	+0·50	0·21	0·33	−0·12	44·51	46·44	−1·93	0·21	Sauger.
8			1	9	11	1			S 20° E	S 37° E	1·4	1·6	−0·2	66	+25	64	− 9	·331	− ·080	0·2	−1·0	0	0·60	−0·60	0	0·48	−0·48	58·22	56·92	+1·30	.0	Jubbulpore.
20		4	2	1	2		1		N 89° E	N 36° E	2·3	2·3	+0·5	15	−28	51	−12	·317	− ·085	0·8	−0·5	0	0·90	−0·90	0	0·61	−0·61	50·04	52·36	−2·32	.0	Seoni.
7	17	3					1	2	N 1° W	N 21° E	2·2	3·7	−1·5	68	+38	51	−11	·332	− ·107	1·1	−0·8	0	0·90	−0·90	0	0·81	−0·81	48·05	47·24	+0·81	0	Nagpur.
19	3				1	1	1	5	N 47° W		3·4			27		46		·294		0·8		0			0			62·51			.0	Pendra.
19	1	5	2		1	2			N 62° E	N 40° E	2·4	3·2	−0·8	13	−10	61	− 5	·350	− ·115	0·4	−1·6	0	0·90	−0·90	0	0·46	−0·46	48·35	48·67	−2·32	.0	Raipur.
17	1	4	3	2	1			2	N 64° E	N 39° E	1·4	1·7	−0·3	23	− 6	63	−10	·408	− ·114	1·3	−0·7	0	1·00	−1·00	0	0·96	−0·96	59·18	52·84	+6·34	0	Chanda.

* Uncorrected.

† Mean of 17 days.

Table

(2) Abstract of observations taken at 8 hrs. at 236

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XII.—Hyderabad.																						
28	Aurangabad	1,905	28·127	−·024P	30·010	28·202	30th	27·987	4th	·215	73·2	86·2	−0·8	57·6	−1·3	71·9	−1·1	28·6	93·7	1st	48·7	25th & 27th.	45·0
	Nizamabad	1,260	28·746*	+·020	29·991*	28·867	30th	28·552	2nd	·315	69·9	85·5	+0·6	57·4*	−2·3*	71·6*	−0·9	28·1	90·9	13th	49·7	24th	41·2
	Bidar	*2,165*	27·837		29·979	27·924	30th	27·647	3rd	·277	71·2	83·2		58·0		70·6		25·2	89·0	1st	52·3	21st	36·2
29	Gulbarga	1,503	28·504	−·002	29·989	28·589	30th	28·296	3rd	·293	70·9	87·5	+0·5	59·1	−3·5	73·3	−1·5	28·4	93·0	2nd & 3rd.	52·3	30th	40·7
	Raichur	*1,311*	28·668	−·014	29·952	28·756	30th	28·471	3rd	·285	73·2	86·8	+0·7	65·1	−2·2	76·0	−0·8	21·7	91·1	1st, 4th & 5th.	58·1	21st	33·0
	Hyderabad(Deccan)	1,690	28·308	−·009	29·993	28·402	30th	28·124	3rd	·278	67·7	85·0	+1·2	58·9	−3·2	72·0	−1·0	26·1	89·8	3rd, 11th & 12th.	53·2	21st & 27th.	36·6
	Hanumkonda	871	29·131	−·017	29·972	29·241	30th	28·868	3rd	·343	71·5	84·8	−1·2	60·7	−3·7	72·8	−2·5	24·1	90·5	11th	56·2	8th & 21st.	34·3
	XIII.—Mysore.																						
30	Chitaldroog	2,405	27·589	−·006	29·947	27·649	24th	27·414	3r	·235	72·8	85·0	+2·9	62·5	−1·5	73·8	+0·7	22·5	89·1	5th	57·4	16th	31·7
	Hassan	3,149	26·881	+·008	29·965	26·942	10th	26·721	3rd	·221	69·6	82·5	+2·8	57·5	−2·3	70·0	+0·3	25·0	85·4	5th	51·3	10th	34·1
	Bangalore	3,021	26·992	+·001	29·958	27·048	10th	26·806	3rd	·242	68·7	82·5	+3·2	59·5	−2·4	71·0	+0·4	23·0	85·3	11th	55·8	4 days.	29·5
	Mysore	2,518	27·486	0	29·963	27·551	10th	27·305	3rd	·246	70·9	83·5	+1·0	61·8	−2·3	72·7	−0·7	21·7	86·0	26th & 27th.	55·0	10th	31·0
	XIV.—Madras.																						
31	Mangalore	65	29·902	0	29·900	29·974	10th	29·724		·250	78·3	87·2	−1·1	71·6	−1·2	79·4	−1·2	15·6	90·2	22nd	66·9	17th	23·3
	Calicut	27	29·940	+·006	29·897	30·003	10th	29·759	3rd	·244	77·6	86·5	−0·9	73·4‡	+0·3	80·0‡	−0·3	13·1	87·8	27th & 28th	67·1	12th	20·7
	Cochin	9	29·958	+·008	29·895	30·009	12th	29·803	3rd	·206	78·2	87·5	0	73·6	−0·8	80·6	−0·4	13·9	90·7	27th & 29th.	68·2	15th	22·5
	Trivandrum	198	29·763	+·008	29·894	29·825	13th	29·598	3rd	·227	76·8	83·3	+0·7	72·9	−1·5	78·1	−0·4	10·4	86·0	11th	64·0	14th	22·0
32	Tinnevelly	168	29·825	+·016	29·924	29·884	23rd	29·619		·265	79·4	87·8‖	−0·9	73·5	−1·1	80·7‖	−1·0	14·3	90·8	21st	68·9	12th	21·9
	Pamban	37	29·915P ††	−·013P	29·878† ††	29·979	24th & 25th.	29·722	3rd	·257	79·4	84·4	+0·1	75·1	−1·0	79·8	−0·5	9·3	87·7	9th	72·5	12th	15·2
	Madura	447	29·543	+·033	29·932	29·603	10th	29·338	3rd	·265	77·3	87·3	0	70·4	−2·1	78·9	−1·1	16·9	89·4	5 days	62·1	12th	26·3
	Periyakulam	944	29·036		29·934	29·094	10th	28·848	3rd	·246	74·7	87·4		67·8		77·6		19·6	89·7	7th & 29th	59·5	12th	30·2
	Pudukkottai	318	29·670		29·925	29·734	10th	29·453	3rd	·281	76·1	87·0		70·3		78·6		16·7	89·4	9th	64·4	11th	25·0
	Negapatam	21	29·935	+·007	29·895	30·009	10th	29·713	2nd	·296	77·7	86·2	+2·1	72·6	−1·5	79·4	+0·3	13·6	89·4	7th & 8th.	65·5	1st	23·9
	Trichinopoly	255	29·733	+·020	29·925	29·802	10th	29·507	3rd	·295	77·3	87·9	+0·8	69·6	−2·4	78·8	−0·8	18·3	90·6	4 days.	62·8	12th	27·8
	Coimbatore	1,348	28·634	+·017	29·950	28·709	16th	28·433	3rd	·276	73·3	87·4	+1·2	67·0	−1·9	77·2	−0·4	20·4	89·9	27th	60·8	12th	29·1
	Salem	940	29·074	+·026	29·969	29·136	10th & 24th.	28·858	3rd	·278	75·8	88·3	+1·0	66·2	−2·3	77·3	−0·7	22·1	91·0	10th & 27th.	57·4	10th	33·6
	Cuddalore	37	29·948	+·009	29·916	30·027	25th	29·704	3rd	·323	74·7	84·9	+0·1	69·6	−2·0	77·3	−1·0	15·3	87·6	8th	64·7	10th & 15th.	22·9
	Vellore	707	29·289		29·957	29·362	24th	29·049	3rd	·313	70·7	81·8		64·3‡		74·6‡		20·5	89·2	11th	57·5	10th & 12th.	31·7
	Madras	22	29·966	+·009	29·919	30·046	24th	29·717	3rd	·329	75·5	83·8	−1·3	69·0	−3·3	76·4	−2·3	14·8	87·5	11th & 13th.	65·0	10th	22·5
33	Cuddapah	423	29·567	+·003	29·949	29·649	24th	29·345	3rd	·304	73·9	87·6	−0·9	66·6	−2·7	77·1	−1·8	21·0	91·2	12th & 13th.	61·6	7th & 9th	29·6
	Bellary	1,475	28·518	+·008	29·969	28·595	30th	28·315	3rd	·280	71·8	89·7	+3·0	63·6	−2·0	76·7	+0·5	26·1	94·0	5th	57·8	18th	36·2
	Kurnool	923	29·061	−·011	29·959	29·145	30th	28·857	3rd	·288	68·2	87·9	−0·2	60·1	−3·9	74·0	−2·1	27·8	91·7	2nd	52·6	17th	39·1
34	Nellore	61	29·925	−·004	29·921	30·011	24th	29·693	3rd	·318	75·2	84·9	−1·8	69·6	−2·0	77·3	−1·9	15·3	90·3	11th & 12th.	65·6	9th	24·7
	Masulipatam	15	30·003	+·023P	29·954	30·108	30th	29·758	3rd	·350	75·4	86·2	+1·1	69·3	−2·0	77·8	−0·5	16·9	89·8	11th	65·6	10th & 26th.	24·2
	Cocanada	26	29·978	−·002	29·940	30·081	30th	29·742	3rd	·339	73·6	84·5	+1·0	67·9	−2·6	76·2	−0·8	16·6	90·7	11th	64·5	9th, 22nd & 23rd.	26·2
	Waltair (Vizagapatam).	*226*	29·772 †	−·004	29·943 †	29·883	30th	29·552	3rd	·331	77·0	83·9		71·5		77·7		12·4	88·1	11th	65·9	8th & 14th.	22·3
	Calingapatam	19	30·021		29·980	30·119	30th	29·757	3rd	·362													
	Gopalpur	72	29·939	−·011	29·954	30·049	30th	29·725	3rd	·324	69·2	84·9	+1·5	63·3	−3·5	74·1	−1·0	21·6	88·2	5th & 11th.	59·0	8th & 30th.	29·2

N.B.—Elevations in italics indicate barometrical determinations.
Note.—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

* Mean of 27 days.
† ,, 25 ,,
‖ ,, 28 ,,
†† ,, 26 ,,

B—*continued.*

stations, in India, etc., in November, 1908—continued.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th November 1908.	Normal rainfall for period, 1st May to 30th November.	Departure from normal of period, 1st May to 30th November 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																XII.—Hyderabad.
8		4	12	5	1				S 85° E		6·2			59		39		·324		0·5		0	1·00	—1·00	0	0·50	—0·50	18·54	26·53	—7·99	0	Aurangabad.
29			1						S 45° E		3·0			3		73†		·463†		1·5		0	1·40	—1·40	0	0·57	—0·57	50·23	38·76	+11·47	0	Nizamabad.
3	2	9	6	4	3	3			N 88° E		6·3			44		46		·353		0·1		0	2·20	—2·20	0	1·30	—1·30	34·24	37·51	—3·27	0	Bidar.
7	1	2	15	3			1	1	N 87° E	N 81° E	7·4	7·9	—0·5	56	+ 7	64‡	0	·490‡	?—·010	0·9	—1·5	0	1·50	—1·50	0	0·48	—0·48	29·38	29·83	—0·45	0	Gulbarga.
4		11	5	8	1	1			N 89° E	N 86° E	3·6	7·2	—3·6	59	— 5	55	—13	·457	—·111	1·8	—0·7	0	1·80	—1·80	0	0·76	—0·76	24·20	29·40	—5·20	0	Raichur.
26		1	2					1	N 32° E	S 72° E	3·1	3·5	—0·4	7	—16	60	—13	·408	—·131	1·6	—1·1	0			0	1·48	—1·48	37·06	29·93	+7·13	0	Hyderabad (Dn.)
13	12			1	2	1		1	N 4° W		3·3‡			30		51		·404		1·8		0	1·90	—1·90	0			51·21			0	Hanumkonda
																																XIII.—Mysore.
8		3	10	8				1	S 81° E	S 84° E	3·8	6·2	—2·4	56	— 9	51	—20	·406	—·151	1·2	—3·2	0	2·80	—2·80	0	2·85	—2·85	14·53	23·85	—9·32	0	Chitaldroog.
7		7	12	4					N 84° E	N 77° E	3·5	3·0	+0·5	67	— 8	65	—10	·469	—·076	3·0	—2·3	0	4·00	—4·00	0	2·65	—2·65	17·00	31·37	—14·37	0	Hassan.
2	3	9	13	2				1	N 67° E	N 71° E	6·4	5·0	+1·4	72	— 2	65	—13	·459	—·084	2·6	—1·6	0	4·20	—4·20	0·07	3·33	—3·26	20·84	32·61	—11·77	0·07	Bangalore.
6	1	9	9	2		2		1	N 71° E	N 67° E	6·0	8·6	—2·6	53	—14	69	— 7	·528	—·054	3·2	—2·1	0	4·10	—4·10	0·04	2·28	—2·24	21·24	27·29	—6·05	0·02	Mysore.
																																XIV.—Madras.
2	1	8	18	1					N 76° E	S 82° E	4·9§	2·6	+2·3	82	+ 5	71	— 6	·699	—·036	1·9	—1·1	0	3·80	—3·80	0·03	2·65	—2·62	147·72	121·69	+26·03	0·03	Mangalore.
7	2	4	12	4				1	N 80° E	N 87° E	5·4	6·6	—1·2	56	—18	81	0	·770	—·015	2·8	—0·6	1	5·50	—4·50	0·59	4·72	—4·13	101·87	108·84	—6·97	0·46	Calicut.
2		10	12	6					N 83° E	N 39° E	5·2§	4·1	+1·1	76	+ 9	76	— 5	·740	—·059	3·2	—0·6	3	7·70	—4·70	1·21	6·25	—5·04	93·70	105·21	—11·51	0·60	Cochin.
23	1	2	1				3		N 3° E	N 5° W	3·3§	3·5	—0·2	15	—11	84	— 1	·783	—·019	4·3	—1·1	5	9·10	—4·10	3·60	6·12	—2·52	51·32	52·75	—1·43	1·88	Trivandrum.
9	11	3			1		1	5	N 9° W	N 24° W	1·5	3·9	—2·4	53	—18	70	— 8	·702	—·069	4·3	—0·9	3	9·90	—6·90	1·25	7·79	—6·54	14·52	18·07	—3·55	0·78	Tinnevelly.
1	13	6	2	1	1	2	1	8	N 9° E	N 21° E	12·5	10·2	+2·3	53	+ 1	82		·822		4·8		6	12·00	—6·00	1·39	11·89	—10·50	20·93	23·48	—2·55	0·30	Pamban.
5	8	6	1				3	7	N 9° W	N 3° E	6·1	6·6	—0·5	56	—14	76	0	·703	—·028	5·5	+1·0	1	7·00	—6·00	0·97	4·71	—3·74	34·74	27·96	+6·78	0·84	Madura.
30									(a)		1·5					69		·596		2·7		1	7·40	—6·40	0·30	4·81	—4·51	16·61	21·28	—4·67	0·21	Periyakulam.
4	11	9					6		N 5° E		8·5			73		76		·688		5·3		2			0·67			24·63			0·51	Pudukkottai.
2	1	3					3	21	N 41° W	N 30° W	9·6	5·7	+3·9	76	+28	78	— 6	·752	—·066	5·2	—1·6	4	13·30	—9·30	1·98	15·99	—14·01	34·82	29·74	—4·92	1·20	Negapatam.
6	7	4	1		1	1	4	6	N 23° W	N 13° E	3·3§	3·8	—0·5	43	+ 6	72	— 7	·677	—·073	3·6	—1·0	2	8·00	—6·00	0·53	5·09	—4·56	28·84	26·25	+2·59	0·29	Trichinopoly.
9		14	3			3		1	N 50° E	N 81° E	2·7	2·4	+0·3	43	— 5	81	— 4	·665	—·058	4·0	—1·6	2	6·60	—4·60	0·79	3·38	—2·59	16·32	16·96	—0·64	0·46	Coimbatore.
5	4	7	10	1			1	2	N 54° E	N 50° E	4·0	3·1	+0·9	56	+29	72	— 6	·644	—·058	4·0	—0·7	0	5·70	—5·70	0·07	3·93	—3·86	28·43	36·13	—7·70	0·07	Salem.
	11	1					8	10	N 37° W	N 25° W	7·2	2·2	+5·0	76	+ 6	82	— 8	·713	—·123	4·3	—1·7	4	11·80	—7·80	6·84	12·74	—5·90	43·89	41·75	+2·05	3·81	Cuddalor.
27				2	1				S 27° E		2·0			7		82		·620		3·4		3	7·50	—4·50	1·39	5·89	—4·50	29·94	34·07	—4·13	1·00	Vellore.
	9	1			1	1	6	12	N 41° W	N 1° E	5·4§‡	6·5	—1·1	69	+ 5	82	— 1	·733	—·063	3·7	—1·8	9	13·00	—4·00	12·07	11·08	—2·01	53·00	43·01	+9·99	5·06	Madras.
		4		7		7	6	6	S 69° W	N 89° E				23	—18	73	— 3	·614	—·031	3·4	—0·5	0	4·80	—4·80	0·02	4·01	—3·99	23·36	30·74	—7·38	0·02	Cuddapah.
15	3	1	3	4	2			2	N 87° E	S 85° E	2·3	3·2	—0·9	17	—16	50	—17	·395	—·150	1·3	—2·7	0	2·60	—2·60	0	1·98	—1·98	13·33	18·63	—5·30	0	Bellary.
14	1	2	2	2	3	4		2	S 10° E	N 34° W	2·8§			10	+ 9	67	— 4	·472	—·110	1·4	—1·2	0	2·30	—2·30	0	1·03	—1·03	27·07	26·84	+0·23	0	Kurnool.
2	5					1	22		N 39° W	N 44° W	4·6§	4·6	0	82	+27	81	— 2	·708	—·078	5·0	+0·2	4	8·60	—4·60	7·90	7·82	+0·08	41·56	27·96	+13·60	6·15	Nellore.
6	9	9	6						N 39° E	N 14° E	4·9	5·3	—0·4	62	—16	69	—13	·615	—·128	2·3	—1·3	0	3·80	—3·80	0·03	6·30	—6·27	24·26	39·25	—14·99	0·03	Masulipatam
3	12	7	1				7		N 3° E	N 12° E	7·7	10·0	—2·3	72	—11	73	0 ?	·605	?—·045	3·9	+0·5	0	3·90	—3·90	0·06	6·10	—6·04	27·02	37·74	—10·72	0·06	Cocanada.
	7	15	1		1		5	1	N 18° E	N 15° W	10·7			59	+16	46	—22	·427	?—·223	3·8	+0·4	1	3·70	—2·70	0·64	6·11	—5·47	22·24	40·50	—18·26	0·64	Waltair (Vizag.)
1	2	1					7	19	N 51° W		7·3			83						1·5		0			0·01			26·70			0·01	Calingapatam
	14	1						15	N 21° W	N 25° W	9·0	8·3	+0·7	89	+ 2	71	— 9	·507	—·118	1·7	—1·5	0	2·80	—2·80	0	4·34	—4·34	35·28	44·84	—9·56	0	Gopalpur.

‡ Mean of 29 days. Uncorrected. (a) Indeterminate.

Table

(2) Abstract of observations taken at 8 hrs. at 236

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Stations in the Bay.																						
1	P. V. Fraser	8	30·005*		29·980*	30·095	24th	29·835	3rd & 4th.	·260	78·0												
	Car Nicobar	25	29·880		29·832	29·952	23th	29·816	18th	·136	81·7	85·9		76·2		81·1		9·7	88·5	7th	73·5	14th	15·0
	Port Blair	61	29·888	+·001	29·876	29·958	24th	29·773	1st	·185	79·4	85·7	−1·1	76·4	−0·8	81·0	−1·0	9·3	88·2	19th, 23rd & 30th.	73·0	7th, 13th & 14th.	15·2
	Slipper Island	90	29·835		29·859	29·927	24th	29·720	3rd	·207	81·4	85·6		77·4		81·5		8·2	87·6	1st	75·1	7th & 8th	12·5
	Kashmir.																						
14	Srinagar	5,204	25·000	−·031	24·971	25·139	30th	24·873	3rd	·266	36·6	62·5	+2·2	31·6	0	47·1	+1·1	30·9	66·6	1st	28·1	30th	38·5
	Gulmarg	*8,569*					Register not received.																
	Sonemarg	*8,764*	21·901		21·869	22·001	30th	21·789	3rd	·212	24·1	51·1		21·1		36·1		30·0	62·4	21st	14·1	29th	48·3
	Dras	*10,059*	20·846	−·062	20·814	21·001	30th	20·731	1st	·270	18·2	43·8	−0·5	12·4	−4·1	28·1	−2·3	31·4	48·9	1st, 4th & 23rd.	4·0	30th	44·9
	Leh	11,503	19·757	−·021	19·725	19·923	30th	19·630	1st	·293	24·7	45·4	−2·2	19·1	−1·4	32·3	−1·8	26·3	50·6	2nd	8·0	30th	42·6
	Skardu	*7,505*	22·999	−·034	22·969	23·214	30th	22·838	1st	·376	28·7	54·6	−0·4	27·2	−3·5	40·9	−2·0	27·4	59·9	2nd	21·1	30th	38·8
	Minimarg	*9,359*					Data not available																
	Astor	*7,955*					Ditto.																
	Gilgit	4,890	25·286		25·259	25·507	30th	25·110	1st	·397	46·1	64·1	+2·1	39·6	−3·2	51·9	−0·6	21·5	70·7	1st	35·2	30th	35·5
	Baluchistan.																						
16	Quetta	5,502	24·760	−·009	24·730	24·822	29th	24·647	7th	·175	40·9	67·1	+2·3	25·4†	−6·7	46·2†	−2·2	41·7	75·6	7th	16·8	25th	58·8
	Chaman	4,311	25·825	−·013	25·787	25·892	29th	25·694	7th	·198	53·3	69·2	−0·2	42·9	−3·5	56·1	−1·9	28·3	89·3	7th	29·2	24th	60·1
	Robat	...	27·074		27·032	27·231	22nd	26·889	7th	·342	62·0	78·9		49·1		61·0		29·8	92·0	8th	36·2	25th	55·8
	Hill Stations, exluding Kashmir and Baluchistan.																						
	Chitral	*5,486*									38·4	70·0		33·2		51·7		36·8	73·1	6 days	29·0	29th & 30th.	44·1
	Para Chinar	6,000	24·473 ‡		24·440	24·566	28th	24·350	7th	·216	51·6	65·6		39·0		52·3		26·6	72·5	21st	31·4	28th	41·1
	Cherat	*4,956*	25·816	+·004	25·784‡	25·857	24th	25·742	6th	·115	53·2	65·4	−1·8	46·0	−3·1	55·7	−2·5	19·4	71·6	10th	40·5	29th	31·1
	Murree	6,333	23·920	−·018	23·888	23·993	29th	23·807	3rd	·186	49·3	59·7	−1·2	44·2	−1·4	52·0	−1·3	15·5	77·0	10th	35·5	26th	41·5
	Kailang	*10,087*	21·007		20·962	21·120	30th	20·892	26th	·228	30·0	51·9	+0·3	23·7	−1·9	37·8	−0·8	28·2	60·8	1st	13·3	29th	47·5
	Simla	7,224	23·162	−·024	23·124	23·223	19th	23·075	3rd	·148	47·3	55·0	−1·1	43·3	−1·7	49·2	−1·4	11·7	59·7	23rd	32·7	29th	27·0
	Sarain	...	23·214			23·277	19th	23·125	3rd	·152	35·5	55·9		33·5		44·8		22·4	63·3	22nd	26·5	30th	36·8
	Kalabagh	...					Register not received.																
	Chakrata	7,022	23·356	+·002	23·316	23·423	24th	23·260	3rd	·163	46·8	62·2	+2·2	42·2	−1·7	52·2	+0·3	20·0	65·3	2nd & 8th.	33·2	29th	32·1
	Muktesar	7,592	22·896	−·033	22·855	22·955	24th	22·805	3rd	·150	47·3	58·6	−1·6	40·9	−2·5	49·8	−2·1	17·7	63·0	29th	32·5	29th	30·5
	Darjeeling§	7,376	23·074	−·028	23·029	23·144	17th	22·958	3rd	·186	48·8	56·8	+2·0	41·6	−1·3	49·2	+0·4	15·2	58·3	12th	39·2	16th & 17th.	19·1
	Shillong	4,920	25·200		25·152	25·273	18th	25·078	3rd	·195	55·9	66·8		44·2		55·5		22·6	72·4	3rd	36·7	30th	35·7
	Cherra Poonjee	4,309	25·754		25·705	25·829	17th	25·630	3rd	·199	60·8	67·8		52·7		60·3		15·1	71·2	3rd	45·5	30th	25·7
	Maymyo	3,545	26·500	−·026	26·445	26·597	27th	26·383	4th	·214	61·0	69·9	−3·9	51·8	+3·4	62·4	−0·3	15·1	76·9	2nd	43·1	26th	33·8
	Pachmarhi	3,528	26·557	+·004	26·504	26·651	30th	26·401	3rd	·250	68·6	74·5	+1·2	49·0	−2·3	61·8	−0·6	25·5	80·2	2nd	41·1	18th	39·1
	Mount Abu	3,945	26·153	−·010	26·103	26·238	30th	26·000	1st	·238	65·7	72·9	−0·6	57·8	−0·1	65·4	−0·4	15·1	79·7	1st	49·4	29th	30·3
	Mercara	3,781	26·263	+·006	26·196	26·322	10th	26·126	3rd	·196	64·2	76·8	+0·9	59·0	−1·1	67·9	−0·1	17·8	80·0	27th	55·5	12th	24·5
	Ootacamund	*7,329*	23·037		22·973	23·107	10th	22·903	3rd	·204	53·3†	62·2		43·8		53·0		18·4	66·5	26th	35·7	15th	30·8
	Kodaikanal	7,688	22·829	−·033	22·764	22·885	25th	22·724	3rd	·161	52·1	59·2	−2·2	46·6	−2·5	53·0	−2·4	12·8	64·5	24th	40·5	15th	24·0

N.B.—Elevations in italics indicate barometrical determinations. * Mean of 28 days. † „ 29 „ ‡ Mean of 16 days. § „ „ 26 „

NOTE.—The barometric readings are not reduced to sea-level, in the cases of

B—*continued.*

***stations, in India, etc., in November, 1908*—continued.**

Wind direction. Number of winds from: Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th November 1908.	Normal rainfall for period, 1st May to 30th November.	Departure from normal of period, 1st May to 30th November 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Stations in the Bay.
1	15	7	1					6	N 5° E		9·0			80		65		·623		3·5		1			0·15			33·75			0·18	P. V. Fraser.
	7	10				3	8	1	N 5° E		2·6			16		80		·863		9·4		8			2·73			69·98			0·61	Car Nicobar.
8	1	3	3	1	9	3	3	4	S 67° W	N 72° E	5·6‖	6·7	−1·1	7	−13	84	− 1	·845	−·038	6·5	+0·8	9			8·19	9·20	−1·01	127·78	105·86	+21·92	2·00	Port Blair.
		7	8	3	7	4		1	S 61° E		13·1			43		78		·833		7·7		4			1·30			71·42			0·35	Slipper Island.
																																Kashmir.
16	1	3	1	6		1		2	S 85° E	S 53° E	2·3	2·6	−0·3	17	− 6	81	− 7	·176	−·015	0·8	−2·1	0	1·20	−1·20	0	0·46	−0·46	13·49	11·71	+ 1·78	0	Srinagar.
																	Register	net r	eceived.													Gulmarg.
24	2	2	1	1					N 49° E		2·6			13		78		·101		1·6		1			0·14			20·86			0·10	Sonemarg.
30									(a)		2·5					86		·087		1·2		0	2·70	−2·70	0·02			4·38	7·59	− 3·21	0·02	Dras.
25		4	1						N 53° E	S 46° W	2·5‖	2·1	+0·4	17	+ 3	41	−26	·055	−·048	3·3	−0·8	1	0·20	+0·80	0·17	0·02	+0·15	4·07	1·77	+ 2·30	0·16	Leh.
29						1			S 45° W		2·5			3		85		·134		2·0		0	0·30	−0·30	0			4·34	3·03	+ 1·31	0	Skardu.
																	Data	not av	ailable.													Minimarg.
																		Ditto.														Astor.
30									(a)		1·1					51	− 1	·169	−·005	2·9	−1·1	0	0·10	−0·10	0	0·05	−0·05	5·01	2·60	+ 2·41	0	Gilgit.
																																Baluchistan.
28			1	1					S 66° E	S 18° W	1·9	2·0	−0·1	7	+ 2	53	+ 1	·129	−·024	0·3	−1·7	0	1·60	−1·60	0	0·31	−0·31	1·01	2·72	− 1·71	0	Quetta.
13			4	9	3	1			S 44° E	S 61° E	5·1	6·5	−1·4	46	−17	33	−10	·140	−·061	1·7	−1·0	0	1·90	−1·90	0	0·26	−0·26	0	0·58	− 0·58	0	Chaman.
4	4	18	1				2	1	N 32° E		6·9			66		74		·413		0·6		0			0			0			0	Robat.
																																Hill Stations, excluding Kashmir and Baluchistan.
29		1							N 45° E		10·7			3		73		·164		1·9		0			0			3·32			0	Chitral.
26			1		1				S 45° E		4·4			3		42		·160		0·7		0	2·00	−2·00	0	1·05	−1·05	13·36	13·88	− 0·52	0	Para Chinar.
9	13				1	1	2	4	N 21° W	N 13° W	5·4	11·6	−6·2	49	−18	52	+13	·209	+·038	0·4	−2·0	0			0	0·12	−0·12	18·18	12·04	+ 6·14	0	Cherat.
9	9	1		2	4			5	N 10° W	N 75° E		5·7		27	+20	44	+ 8	·158	+·029	1·1	−1·7	0	2·10	−2·10	0	0·90	−0·90	54·57	39·80	+14·77	0	Murree.
			17	10	1	2			S 21° E		0·9‖	1·3	−0·4	83		60		·099		2·8		0			0·07	0·51	−0·44	7·37	9·28	− 1·91	0·04	Kailang.
3	7			6			2		N 31° W	N 42° E	4·0¶	3·2	+0·8	7	−17	45	+ 3	·145	+·004	1·0	−0·8	1	0·70	+0·30	0·35	0·61	−0·26	42·95	52·88	− 9·93	0·30	Simla.
9				11	9	1			S 22° W		3·1			63		64		·132		1·3		1			0·16			41·38			0·10	Sarain.
																	Register	not r	eceived.													Kalabagh.
8	20				1			1	N 2° W	N 34° E	6·0	5·4	+0·6	66	+29	48	− 5	·154	−·031	0·6	−0·8	0	0·70	−0·70	0·07	0·55	−0·48	55·81	57·88	− 2·07	0·04	Chakrata.
18			4	2	1	1	4		S 13° E		4·6			10		43		·137		1·0		0			0·05			28·32			0·02	Muktesar.
6	1	8	4	5				2	N 69° E	N 87° E	2·3	2·7	−0·4	50	+10	72	− 7	·251	−·011	0·9	−2·5	0	0·68	−0·68	0	0·36	−0·36	84·75	116·54	−31·79	0	Darjeeling.
27			1	2					S 59° E		1·8			7		72		·324		1·3		0	1·90	−1·90	0·05	0·78	−0·73	63·25	72·01	− 8·76	0·05	Shillong.
4	1	15	7	1			2		N 57° E		3·3			62		65		·346		1·9		0	1·20	−1·20	0·02	0·92	−0·90	266·64	388·98	−122·34	0·02	Cherra Poonjee.
22		3	1	2		1	1		E		1·8			9		92		·514		4·1		13	4·90	+8·10	13·46	3·01	−10·45	54·59	55·12	− 0·53	4·36	Maymyo.
10		7	4			1	1	4	3	N 22° E	N 82° E	2·6	2·8	−0·2	20	+ 2	50	− 4	·293	−·050	0·2	−1·4	1	0·80	+0·20	0·38	0·56	−0·18	70·93	74·04	−3·11	0·38	Pachmarhi.
14	1	9			2	2	2		N 38° E	N 27° E	4·5	4·4	+0·1	17	−10	39	− 3	·245	−·021	0·1	−1·7	0	0·40	−0·40	0·05	0·28	−0·23	129·28	60·73	+68·55	0·05	Mount Abu.
1	4	10	13	2					N 66° E	N 71° E	5·0	5·2	−0·2	74	+ 4	76	− 5	·451	−·052	4·1	−1·1	0	4·90	−4·90	0·02	2·86	−2·84	119·41	121·79	− 2·38	0·02	Mercara.
5	2	7	5	4	1	1	2	3	N 60° E		3·6			30		73†		·300†		3·0		3	6·30	−3·30	1·08	4·00	−2·92	33·36	39·76	− 6·40	0·42	Ootacamund
	7		4	2	2	1	4	10	N 32° W		14·1‖			40		77		·806		8·4		4	11·30	−7·30	1·73	8·17	−6·44	44·44	47·79	− 3·35	0·55	Kodaikanal.

Hill or plateau stations, the elevations of which exceed 3,200 feet.

‖ Uncorrected.

¶ Mean of 18 days.

(a) Indeterminate.

Table

(2) *Abstract of observations taken at 8 hrs. at 236*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level in feet.	Pressure 8 hrs. in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Extra India.																						
	Singapore (*a*) .	10	29·937		29·868	30·025	9th	29·833	21st	·192	80·6	86·2		73·3		79·8		12·9	88·8	13th	72·0	18th & 20th,	16·8
	Penang (*a*) . .	20	29·912		29·857	29·943	27th	29·856	5th	·087	80·5	85·8		73·4		79·6		12·4	89·0	25th, 27th & 29th,	70·0	7th	19·0
	Trincomalee . .	12	29·959?	+·029?	29·897?	30·032	10th	29·761	3rd	·271	75·7	85·0	−0·3	73·8	−0·9	79·4	−0·6	11·2	87·0	7th, 18th & 23rd.	69·0	12th	18·0
	Colombo . .	40	29·913	−·004	29·879	29·981	10th	29·753	3rd	·228	74·0	87·2	+0·8	72·8	−1·3	80·0	−0·3	14·4	96·0	18th & 19th.	68·5	13th	21·5
	Minicoy . .	7	29·982			30·035	10th	29·851	3rd	·184													
	Amini Divi . .	*13*						Register	not received.														
	Gyantse . .	13,120	17·106			17·236	23rd	16·962	2nd	·274	23·6	49·0		14·8		31·9		34·2	57·5	2nd	8·5	22nd	49·0
	Pharijong . .	14,400						Register	not received.														
	Gangtok . .	5,660?	24·490 (*f*)			24·579	23rd	24·343	7th	·236	64·0	67·9		46·1		57·0		21·8	72·3	6th	41·2	30th	31·1
	Gartok (*c*) . .	15,100?	17·319			17·411	18th & 25th.	17·166	24th	·245	13·3	34·3		0·4		17·4		33·9	43·3	22nd	−12·8	29th & 30th.	56·1
	Kashgar (*c*) . .	4,255	25·762			25·010	23rd	25·500	3rd	·510	31·3	55·8	+ 3·7	28·0	−0·8	41·9	+1·5	27·8	66·1	1st	21·3	27th & 29th.	44·8
	Kabul . . .		24·368§		24·337§	24·521	17th	24·256	4th	·265	40·9	?	?	31·8	−3·1	?	?	?	?	?	20·9	29th	?
	Meshed . .	3,104	26·833		26·811	27·162	21st	26·658	6th	·504	41·3	66·5		29·8		48·2		36·7	78·4	20th	14·8	24th	63·6
	Jask‡ . .	18	30·054	−·019	30·024	30·176	30th	29·910	8th	·266	73·9	83·5†	+0·4†	68·2†	−0·4†	75·9†	0	15·3	91·8	9th	52·2	24th	39·5
	Muscat . .	20	30·050	−·018	30·018	30·169	29th & 30th.	29·927	4th & 8th.	·242	77·2	86·8	+6·8	73·4	−1·9	80·1	+2·5	13·4	93·8	9th	68·1	28th & 30th.	25·7
	Bahrein . .	18	30·085		30·056	30·242	22nd	29·944	6th	·298	74·4	90·5		69·9		75·2		10·6	92·4	7th	58·8	25th	33·6
	Bushire . .	14	30·035	−·039	30·008	30·215	20th	29·904	3rd	·311	66·2	79·8	+1·7	63·8	+1·5	71·8	+1·6	16·0	90·6	5th	52·6	22nd	38·0
	Basrah . . .	25	30·104		30·090	30·357	20th	29·928	1st	·429	59·8	77·5							88·3	1st, 2nd & 3rd.			
	Ispahan (*b*) .	*5,817*	24·308			24·450	21st & 22nd.	24·200	6th & 7th.	·250	37·9	65·5	+3·6	35·8	−0·1	50·7	+1·8	29·7	75·4	3rd & 4th	26·2	23rd	49·2
	Tehran (*b*) . .	*4,009*	25·918			26·200	21st	25·750	4th, 6th & 29th	·450	46·8	65·2	+3·8	42·7	+0·5	54·0	+2·2	22·5	73·5	3rd	27·7	20th	45·8
	Baghdad . .	220	29·965	−·010	30·173	30·323	19th	29·656	2nd	·667	54·9 (*h*)	75·7	+1·0	51·7‡	+ ‡	64·0‡	+1·5	24·0	90·1	1st	34·8	19th	55·3
	Beirut . .				30·023						63·1	70·1		57·5		63·8		12·6	78·9	12th	42·2	18th	36·7
	Aden . . .	94	29·956	+·005	29·983	30·036	24th	29·832	1st	·204	79·5	84·7	−0·2	75·5	+0·8	80·2	+0·3	9·2	92·3	13th	71·4	24th	20·9
	Perim . . .	201	29·771	−·031	29·908	29·852	24th	29·646	1st	·206	81·5	88·2	+1·4	77·5	+0·4	82·9	+0·9	10·7	93·1	13th	75·8	26th & 30th.	17·3
	Zanzibar . .	72	29·960	−·003	29·959	30·024	10th	29·902	27th	·122	80·8	85·1	+1·3	77·1	0	81·1	+0·7	8·0	87·8	28th	72·2	3rd	15·6
	Do. Dunga .	*154*				Register	not received.																

F.B.—Elevations in italics indicate barometrical determinations.
NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,000 feet.

(*a*) 9 hrs. observations.
(*b*) Aneroid uncorrected.
(*c*) Aneroid corrected.
(*h*) 8½ hrs. observations.
† Mean of 26 days
(*f*) " 1 "
‡ Mean of 28 days.

B—*concluded.*

stations in India, etc., in November, 1908—concluded.

Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity: Mean velocity in miles per hour.	Normal.	Departure from normal.	Wind steadiness: Actual percentage.	Departure from normal.	Hygrometry, 8 hrs.: Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. of mercury.	Departure from normal in inches of mercury.	Cloud: Mean amount at 8 hrs.	Departure from normal.	Rainfall: Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th November 1908.	Normal rainfall for period, 1st May to 30th November 1908.	Departure from normal of period, 1st May to 30th November 1908.	Heaviest rainfall during month.	Station.
26	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Extra India.
15	1			1	1	7	2	3	S 67° W		5·3*			30						7·1		14			8·59			44·31			1·89	Singapore.
	10	4	9	1	1		1	4	N 32° E		9·2*			56						0·4		9			4·23			87·61			1·10	Penang.
20	1	2	2			2	3		N 45° W	S 57° W	2·0*	5·3	−3·3	3	−19	89	+ 3	·800	—·062	5·0	+1·5	7			5·33	13·57	− 8·24	25·04	35·85	−10·81	0·45	Trincomalee.
1	5	16				4	2	2	N 18° E	N 48° E	6·7*	6·1	+0·6	53	+23	91	+13	·769	—·069	5·2	+0·4	6			3·70	13·13	− 9·43	37·40	60·83	−23·43	1·75	Colombo.
8	9	9					3	1	N 11° E	N 7° W	2·6	6·2	−3·6	53						3·2		4			3·86	4·15	− 0·29		45·73		1·54	Minicoy.
																	Register not		received.	d.						1·58						Amini Divi.
	1			15	13	3			S 17° E		1·6			80		79		·101				0			0			8·53			0	Gyantse.
																	Register not		received.	d.												Pharijong.
26	1								N		1·0			3		84		·499		0		0			0·10			96·44			0·07	Gangtok. (*k*)
10				4	3				S 27° E		(*e*) 6·0			41						2·0		0			0						0	Gartok.(*d*)
29				1					S 45° E	N 5° W	1·4	0·9	+0·5	3		67		(*g*) ·120		1·8		0			0	0·03	— 0·03		3·09		0	Kashgar.
	12	6	1	1	2	1	3	4	N 4° W	S 45° W				53	+41	55		·144		1·1	−0·8	0			0	0·72	— 0·72	0·60	2·20	− 1·60	0	Kabul.
27	2		1					1	N 27° E		0·6*			7		66		·176		2·4	−2·2	0			0·07	0·51	− 0·44	3·19	1·94	+ 1·25	0·06	Meshed.
4	7	5	9	1			1	1	N 47° E	N 27° E	8·0†	9·7	−1·7	53	− 4	69	+ 2	·586	+ ·007	0·1	−1·7	0			0	0·49	− 0·49	0	0·66	− 0·66	0	Jask.
27	1							2	N 31° W	S 74° W	3·2	3·4	−0·2	7	−26	59	− 9	·557	−·094	0·2	−1·3	0			0	0·61	− 0·61	0	1·03	− 1·03	0	Muscat.
	5	2	2	5	3	1	5	11	N 52° W		7·0			47		83		·717		0		0			0			0			0	Bahrein.
2	5	12	6	2	1			2	N 49° E	N 61° E	9·2	6·1	+3·1	59	−11	74	+ 7	·486	+ ·028	2·9	−0·2	1			0·72	1·79	− 1·07	0·79	1·87	− 1·08	0·57	Bushire.
2	3	1		4	4	2	9	5	S 84° W		4·8§			33		73		·394		2·0		3			0·51			0·76			0·22	Buerah.
25		1	2				2		N 45° E	N 62° W	2·5	2·5	0	3	−11	75	0	·182	−·034	0·9	−2·8	0			0	0·92	− 0·92	0·23	1·30	− 1·07	0	Ispahan.
5	7	12	1				2	3	N 16° E	N 11° E	3·1	2·2	+0·9	63		64		·208		1·6		2			0·47	0·96	− 0·49		2·03		0·22	Tehran.
12	3		2	1	2	2	2	6	N 59° W	N 5 ° W	7·8	2·3	+5·5	20	− 4	57	− 7	·256	−·031	3·1	+1·8	0			0	0·92	− 0·92	0·11	1·29	− 1·18	0	Baghdad.
11		1	1	7	1	7	1	1	S					32		67		·396		4·8		9			7·84			8·97			1·68	Beirut.
	1	28				1			N 44° E	N 76° E	13·4	12·9	+0·5	92	+12	69	− 3	·698	+ ·012	3·4	−0·4	0			0	0·23	− 0·23	0·87	0·74	+ 0·13	0	Aden.
			19	6	5				S 69° E	S 87° E	16·8	20·2	−3·4	80	− 4	67	− 4	·727	−·015			0			0	0·04	− 0·04	1·95	0·95	+ 1·00	0	Perim.
12	3	5	1	3	3	2	1		E	S 45° E	4·1	4·6	−0·5	20	−22	78	− 5	·820	−·018	6·1	+0·4	6			11·45	9·28	+ 2·17	38·50	30·63	+ 7·87	7·44	Zanzibar.
															Register		not	received.														Do. Dunga.

Uncorrected.

* Mean of 29 days.
(*e*) ,, 16 ,,

(*g*) Mean of 20 days.
(*d*) Wind observations 13 less.
(*k*) Wind observations 3 less.

Table C.—Abstract of observations taken at 8 hrs. at 32 fourth class stations, in India, etc., in November, 1908.

Table

Abstract of observations taken at 8 hrs. at 32 fourth

Number of subdivision.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from									Resultant direction.	Normal direction.
															Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N W.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	II.—Eastern Bengal and Assam.																								
4	Bishnath	61·0	81·6	...	44·1	...	62·9	...	37·5	84·3	7th	37·2	30th	47·1	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	65·5	83·7	...	50·8	...	67·3	...	32·9	86·6	7th	44·4	30th	42·2	...	...	...	...	...		...	...	...	...	...
	Chandkhira	66·6	84·8	...	59·2	...	72·0	...	25·6	96·4	5th	47·5	30th	48·9	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	59·6	78·6	...	53·3	...	66·0	...	25·3	83·1	2nd	47·2	30th	35·9	...	...		...	...	...	...	...	...	...	...
	Dikom	59·6	80·5	...	52·6	...	66·6	...	27·9	84·8	7th	44·4	30th	40·4	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	65·0	79·6	...	55·3	...	67·5	...	24·3	83·6	8th	48·4	30th	35·2	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	64·6	85·1	...	62·5	...	73·8	...	22·6	90·0	3rd	54·4	28th& 30th	35·6	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	62·7	81·7	...	56·4	...	69·1	...	25·3	85·1	8th	48·8	30th	36·3	..	...	...	...	...	...	...	...	...	...	...
	Messe	71·9	88·6	...	52·2	...	70·4	...	36·4	91·4	1st	47·0	23rd&30th	44·4	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	54·3	82·8	...	52·8	...	67·8	...	30·0	85·9	14th	47·0	30th	38·9	...	...	...	...	...	...	...	...	...	...	...
	Srimangal	66·7	86·0	...	58·3	...	72·2	...	27·7	9·5	18th	49·9	30th	39·6	...	...	...	...	...	...	...	...	...	...	...
5	Brahmanbaria	72·9	85·1	...	60·8	...	78·0	...	24·3	89·0	17th	52·9	21st& 25th	36·1	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	58·2	87·7	...	50·4	...	69·1	..	37·3	90·4	30th	42·9	30th	47·5	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	70·9	86·1	...	57·6	...	71·9	...	28·5	90·3	3rd	52·2	29th	38·1	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	72·0	83·2	...	53·7	...	68·5	...	29·5	86·1	5th	48·9	30th	37·2	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	66·9	85·5	...	57·9	...	71·7	...	27·6	88·1	5th, 9th, 11ht&18th.	51·0	30th	37·1	...	...	...	...	...	...	...	...	...	...	...
	Pabna	70·2	87·8	...	58·6	...	73·2	...	29·2	92·0	1st	54·4	22nd&29th	37·6	...	...	...	...	...	...	...	...	...	...	...
	III.—Bengal.																								
6	Fraserganj	73·1	...	...	...	...	...	...	...	...	...	...	...	...	...	26	...	1	...	...	...	3	...	N 4° W	...
	XI.—Central Provinces.																								
24	Chhindwara	62·9	82·2	...	50·8	...	66·5	...	31·4	86·5	4th	42·9	26th	43·6	...	5	5	3	1	1	...	5	10	N 20° W	...
	Hill Stations.																								
	Panighatta	73·2	83·4	...	60·2	...	71·8	...	23·2	86·5	5th	55·5	29th	31·0	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	54·9	67·3	...	51·6	...	59·5	...	15·7	71·5	19th	47·6	30th	23·9	...	...	...	...	...	...	...	...	...	...	...
	Poo		52·3§	...	28·2‖	...	40·2	...	24·1	58·7	1st	18·1	29th	40·6	14	...	...	1	2	2	2	...	1	S 4° E	...
	Kargil	29·0	55·8	...	21·6	...	38·7	...	34·2	60·9	1st	15·8	30th	45·1	...	3	6	...	...	...	4	4	13	N 41° W	...
	Killa Drosh	45·7	66·8	...	43·2‡	...	55·3‡	...	23·6	78·3	20th	35·0	29th	43·3	27	...	...	2	...	...	...	...	...	E	...
	Pishin		68·6	...	29·6	...	49·1	...	39·0	77·3	7th	19·0	24th	58·3	...	...	...	...	...	...	...	...	...	...	...
	Kalat	49·5*	65·2	−1·7	25·8	−0·6	45·5	−1·2	39·4	74·9	21st	15·5	25th	59·4	...	7	...	...	...	23	...	...	...	S	...
	Extra India.																								
	Ahwaz	...	87·0†	...	57·4	...	72·0†	...	29·6	95·1	26th	39·1	20th	56·0	...	9	...	...	...	16	...	...	...	S	...
	Birjund	44·8	63·4	...	38·3	...	50·9	...	25·1	71·0	6th	21·9	23rd& 24th	49·1	3	1	13	2	...	1	...	...	...	N 51° E	...
	Chumbi	27·5*	54·0*	...	23·0	...	38·5	...	31·0	58·6	22nd	16·8	30th	41·8	...	...	30	...	...	...	...	...	...	N 45° E	...
	Karmanshah	46·3	59·3	...	38·0	...	48·7	...	21·3	73·0	2nd	22·0	19th	51·0	...	...	...	...	...	...	...	...	...	...	...
	Koweit	...	1	...	61·4	...	69·8	...	16·7	95·6	3rd	46·2	20th	49·4	...	4	2	...	1	...	4	3	16	N 49° W	...
	Maidan	...	7	...	54·9	...	66·8	...	23·9	98·2	1st	43·1	21st	55·1	...	...	...	...	...	...	...	...	...	...	...

* Uncorrected.
† Mean of 29 days.
‡ " " 28 "
§ Mean of 22 days.
‖ " " 21 "

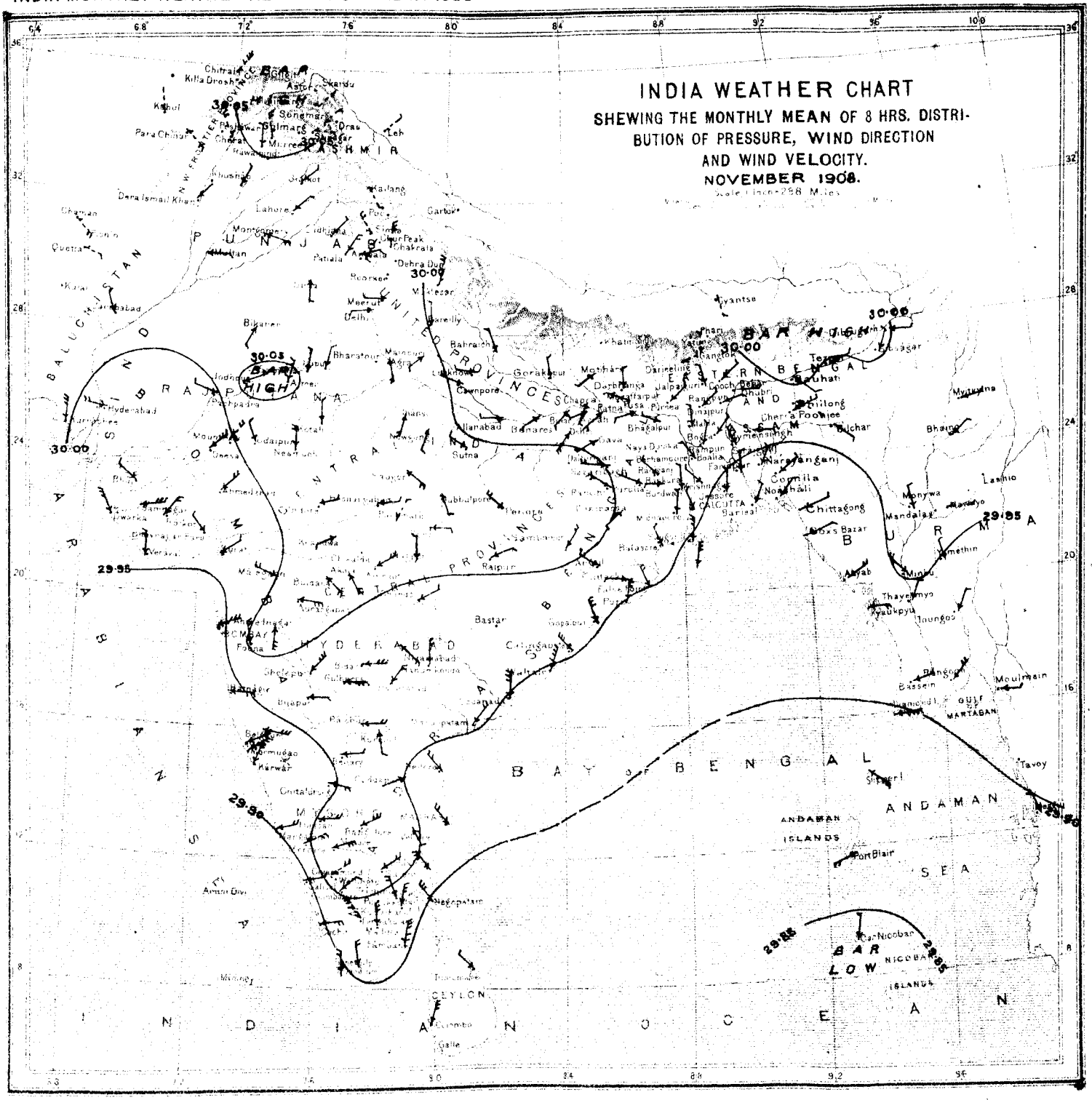
C.

class stations in India, etc., in November, 1908.

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Mean velocity in miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal, in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st May to 30th November 1908.	Normal rainfall for period 1st May to 30th November.	Departure from normal of period 1st May to 30th November 1908.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Eastern Bengal and Assam.
...	...	...	...	...	88	...	·478	...	...	...	0	...	...	0	...	...	73·07	...	...	0	Bishnath.
...	...	...	..	...	77·*	...	·489	...	...	...	0	...	...	0	...	...	63·03	...	...	0	Borjuli.
...	...	...	...	...	90†	...	·594†	...	...	...	2	...	...	0·35	...	...	80·63	...	...	0·16	Chandkhira.
...	...	...	...	...	94	...	·484	...	...	...	0	...	...	0·06	...	...	81·35	...	...	0·03	Doom Dooma.
...	...	...	...	...	92	...	·475	...	...	...	1	...	...	0·20	...	...	88·99	...	...	0·20	Dikom.
...	...	...	...	...	88	...	·548	...	...	...	0	...	...	0	...	...	53·21	...	...	0	Golaghat.
...	...	...	...	...	97	...	·590	...	...	...	1	...	...	0·12	...	...	95·02	...	...	0·12	Hailakandi.
...	...	...	...	...	94	...	·534	...	...	...	0	...	...	0	...	...	66·16	...	...	0	Jorehat.
...	...	...	...	...	80	...	·638	...	...	...	0	...	...	0	...	...	76·12	...	...	0	Messa.
...	...	...	...	...	91	...	·386	...	...	...	0	...	...	0·01	...	...	41·63	...	...	0·01	Panerihat.
...	...	...	...	...	90	...	·594	...	...	...	1	...	...	0·39	...	...	66·45	...	...	0·27	Srimangal.
...	...	...	...	...	78	...	·633	...	...	...	0	...	...	0	...	...	51·29	...	...	0	Brahmanbaria.
...	...	...	...	...	88	...	·430	...	...	...	0	...	...	0	...	...	132·09	...	...	0	Dam Dim.
...	...	...	...	...	79	...	·589	...	...	...	0	...	...	0	...	...	38 82	...	...	0	Goalundo.
...	...	...	...	...	67	...	·522	...	...	...	0	...	...	0·08	...	..	117·83	...	...	0·08	Kalchini.
...	...	...	...	...	70	...	·459	...	...	...	0	...	...	0	...	...	130·63	...	..	0	Nagrakata.
...	...	...	...	...	78	...	·573	...	...	...	1	...	...	0·21	...	...	57·65	...	...	0·14	Pabna.
																	(a)				**III.—Bengal.**
...	...	...	87	...	74	...	·599	...	...	...	0	...	...	0	...	...	51·28	...	...	0	Fraserganj.
																					XI.—Central Provinces.
4·2	...	...	50	...	60	...	·350	...	...	...	0	...	...	0	...	...	‡‡ 20·94	...	...	0	Chhindwara.
																					Hill Stations.
...	...	...	...	...	54	...	·438	...	...	...	0	...	...	0·01	...	...	117·03	...	...	0·01	Panighatta.
...	...	...	...	...	69	...	·297	...	...	...	0	...	...	0	...	...	134·92	...	...	0	Kurseong.
...	...	...	18	...	...	...	...	...	2·4§	...	0	...	...	0·11	0·78	—0·67	3·03	4·55	—1·52	0·06	Poo.**
...	...	...	60	...	37	...	·621	...	0·8	...	0	...	...	0	...	...	3·71	...	...	0	Kargil.
...	...	...	7	...	45	...	·137	...	1·3	...	0	...	...	0	...	...	4·30	...	...	0	Killa Drosh.¶
...	...	...	...	...	...	...	...	...	0·2	...	0	...	...		0·52	—0·52	0·17	1·07	—0·90	0	Pishin.
...	...	...	5	...	52	...	·196	...	...	...	0	...	...	0	0·31	—0·31	2·39	2·04	+ 0·35	0	Kalat.
																					Extra India.
...	...	...	28	...	...	...	...	...	2·2	...	0	...	...	0·08	...	...	...	...	...	0·08	Ahwaz.
...	...	...	70	...	39‡	...	·119‡	...	2·3	...	0	...	...	0·02	...	...	0·02	...	...	0·02	Birjand.††
...	...	...	97	...	90	...	·135	...	...	...	0	...	...	0	...	...	...	...	...	0	Chumbi.
...	...	...	...	...	66	...	·208	...	...	...	7	...	...	2·08	...	...	...	...	...	0·57	Karmanshah.
...	...	...	63	...	...	...	...	...	3·5	...	3	...	...	0·89	...	...	0·89§§	...	...	0·31	Koweit.
...	...	...	...	...	...	...	...	...	...	...	2	...	...	0·94	...	...	1·14	...	...	0·73	Maidan.

¶ Wind observations less 1.
** Do. do. less 8.
†† Do. do. less 10.

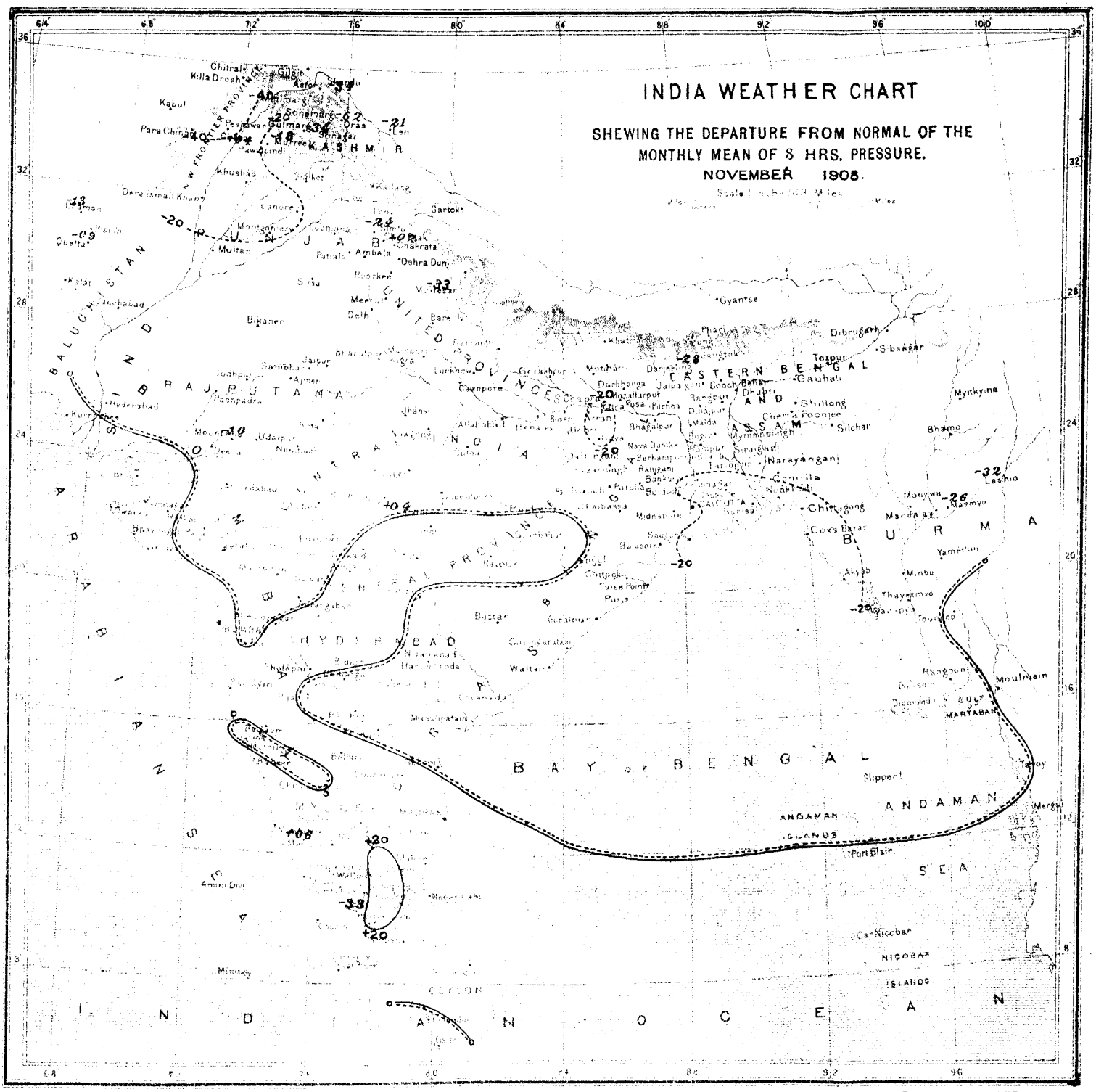
‡‡ Total rainfall since 1st June 1908.
§§ Do. do. 1st August 1908.
(a) Rainfall of 1st to 31st July not included.



The lines of the above chart represent isobars or lines of equal barometric pressure, the numbers attached indicating the barometric pressure in inches and being drawn for differences of pressure of ·05 inch. The isobars in the Bay of Bengal are filled in by means of the shore observations, and by comparison with the normal distribution of pressure.

The mean 8 hrs. wind directions of the month are shewn by means of arrows flying with the wind, and are calculated by means of Lambert's formula applied to the winds as given in Table B of the 8 hrs. observations. The mean wind directions for the hill stations are indicated by broken arrows to distinguish them from the wind arrows for the plain stations. The mean velocity of the winds during the month is shewn by the following notation:

Velocity of	0 to 2 miles per hour ...	one feather added to the wind arrow.
,, ,,	2 to 5 ,, ,, ,, ...	two feathers ,, ,, ,, ,,
,, ,,	5 to 10 ,, ,, ,, ...	three ,, ,, ,, ,, ,,
,, ,,	10 to 20 ,, ,, ,, ...	four ,, ,, ,, ,, ,,
	over 20 ,, ,, ,, ...	five ,, ,, ,, ,, ,,



LITHO. By N.L.HALDER.

The chart shows the departure from normal of the mean during the month of 8 hrs. pressure by means of lines drawn for equal amounts of departure. The numbers are given in thousandths of an inch, 20 representing ·020′ or two hundredths of an inch, &c. Continuous lines indicate that the pressure was in excess by amounts indicated by the numbers attached to the lines, and broken or dotted lines that it was in defect by amounts indicated by the numbers attached to the lines. Two parallel lines near to each other, one continuous and the other broken or dotted, represent the line of no departure, the dotted line facing the area of deficient pressure or negative departures.

PLATE III.

CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MAXIMUM TEMPERATURE.

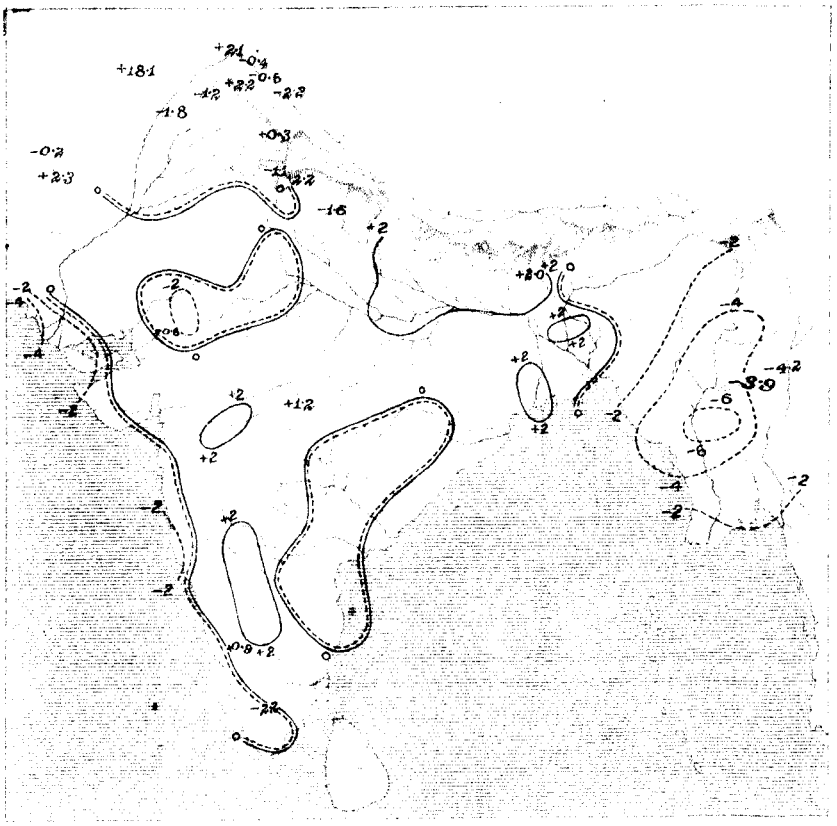


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE

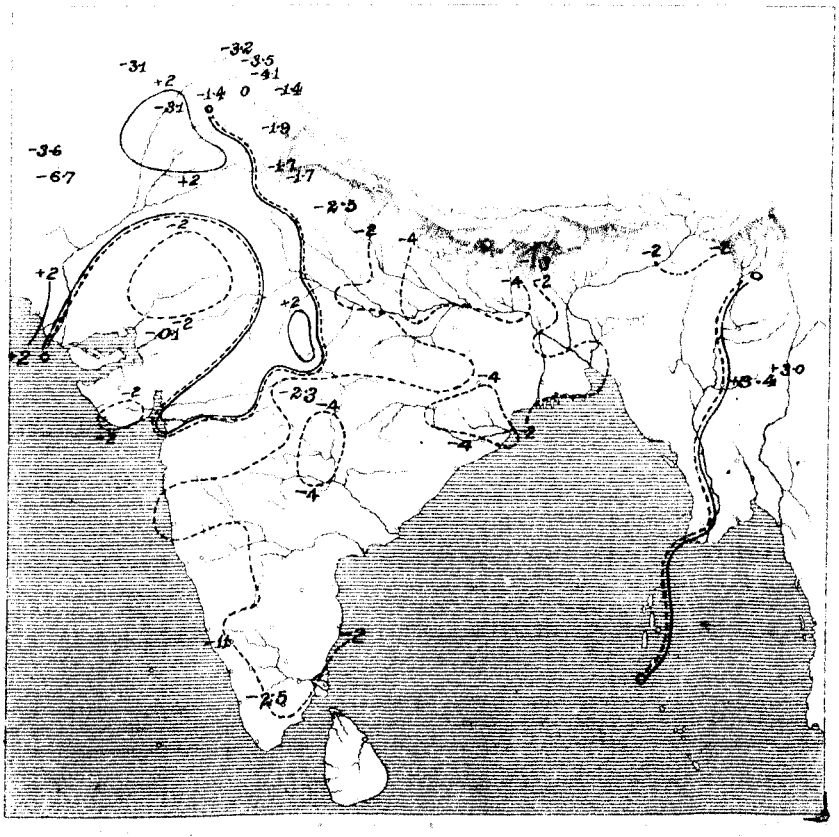


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF DAILY
MEAN TEMPERATURE.

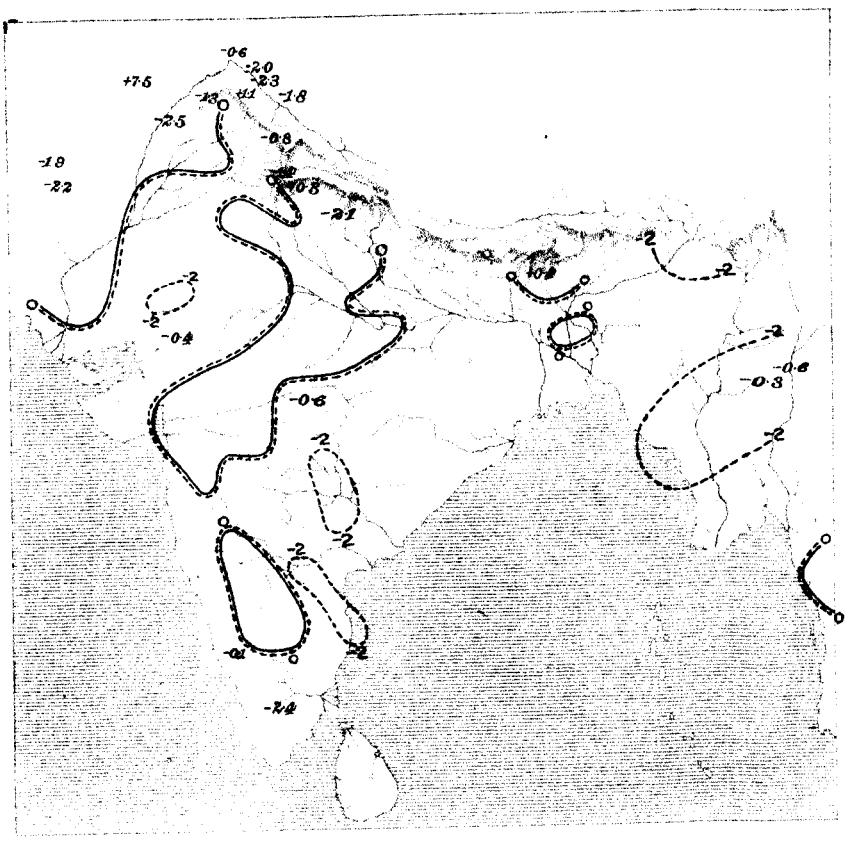


CHART SHEWING THE MONTHLY MEAN OF
PRESSURE AND RESULTANT
WIND DIRECTION.

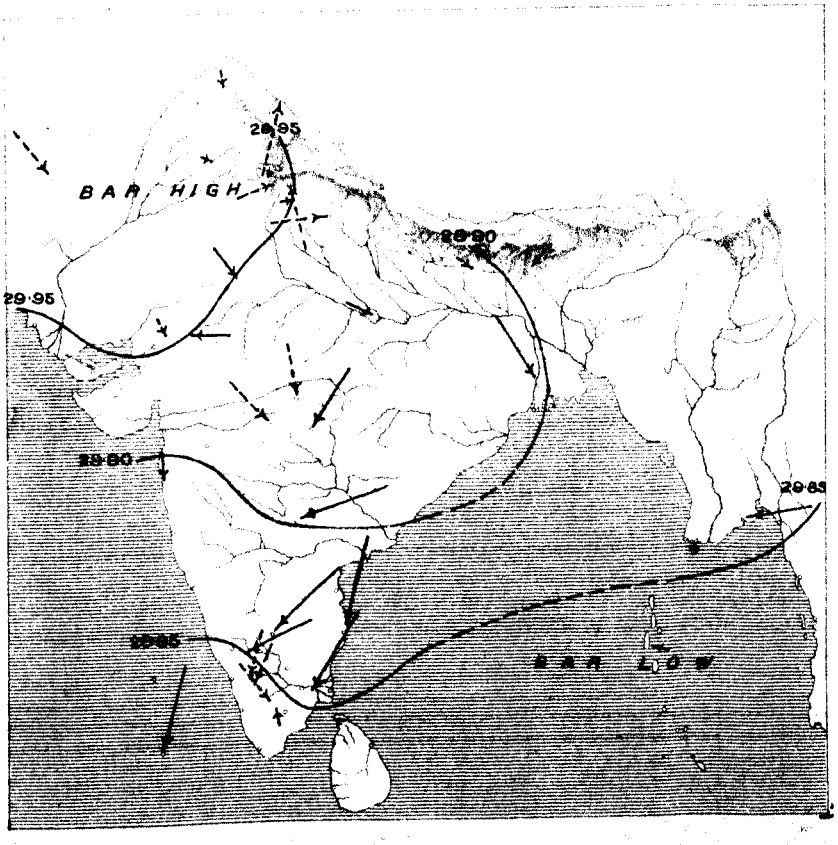


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF ABSOLUTE HUMIDITY AT 8 HRS.

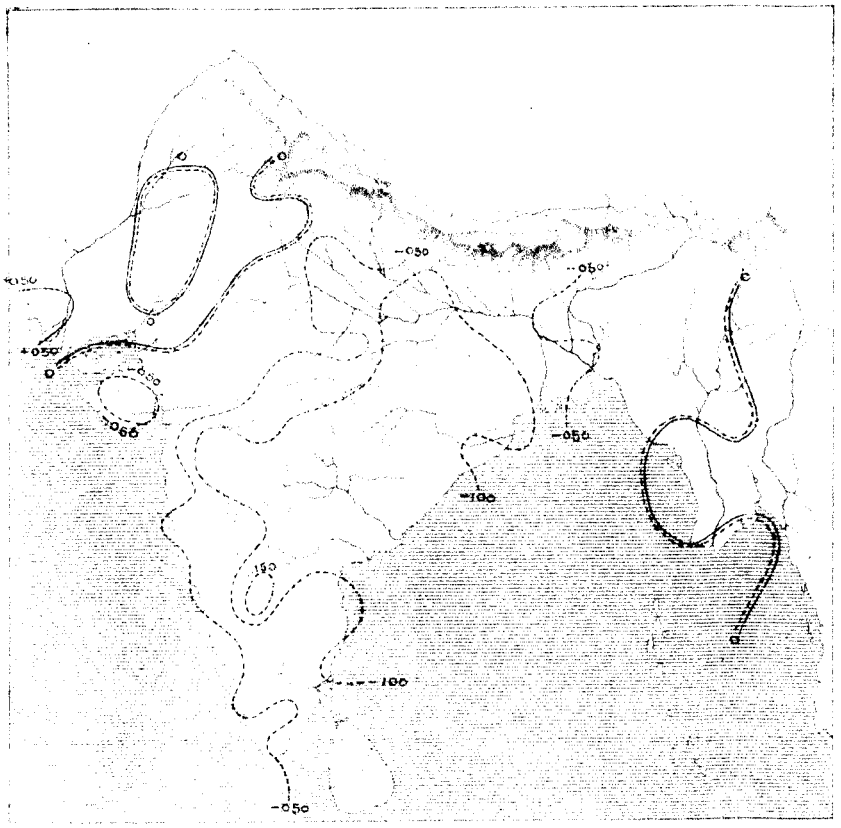
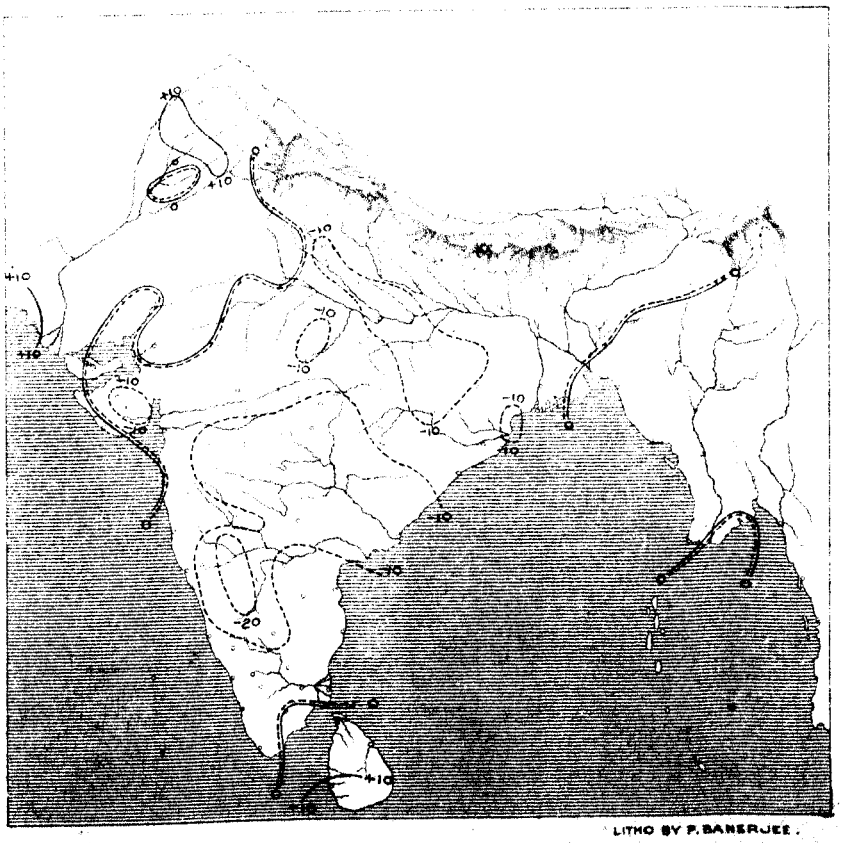


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.



LITHO BY P. BANERJEE.

CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

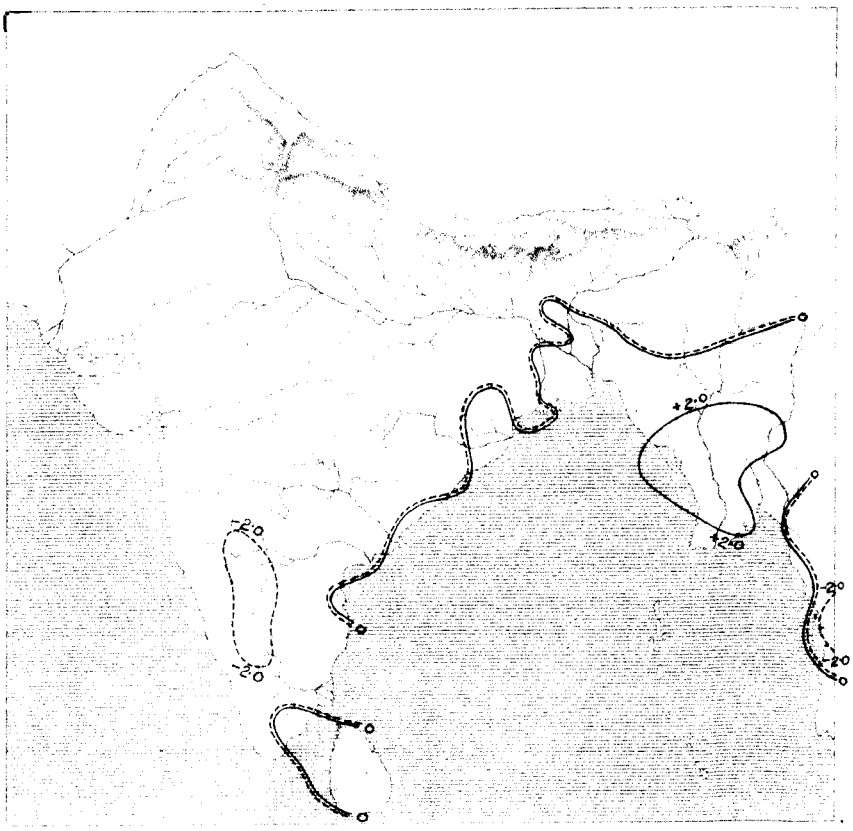
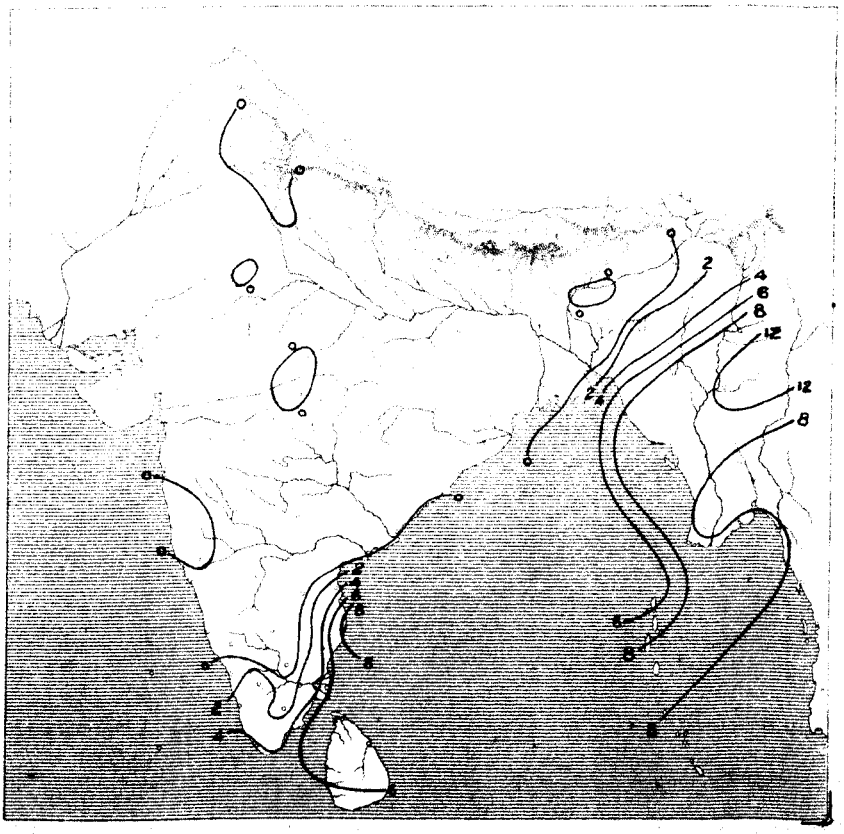
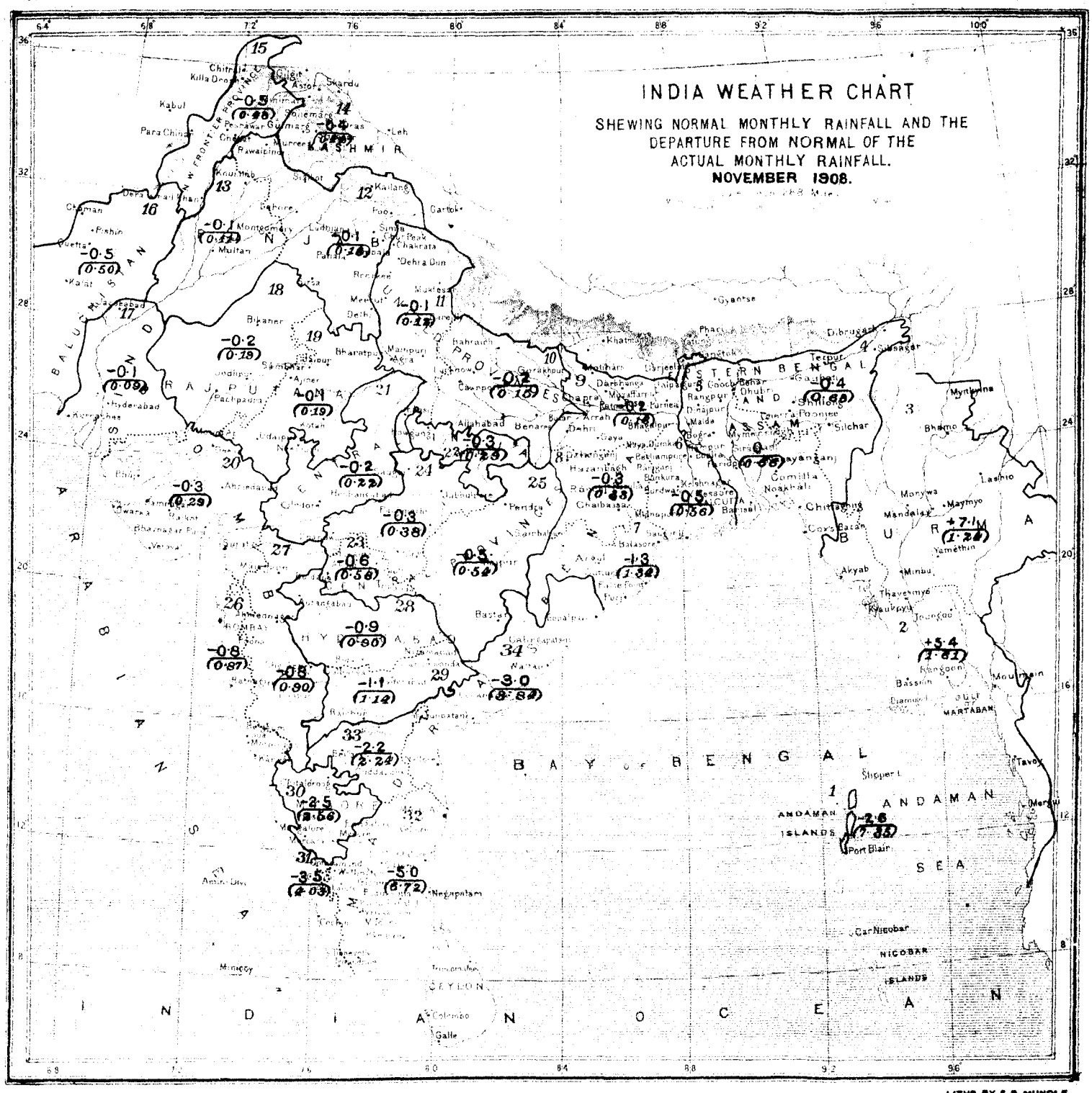


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH

(BASED ON THE RETURNS OF TABLE B.)





Reg. No. 1603 E. 08.—Wr., India.—July 09.—5,000.

Zinco, S.I.C., Calcutta. LITHO. BY S. & MUNDLE.

The country is divided into 34 areas as shewn in the list below. The numbers in that list correspond with the red numbers on the chart, and serve to identify the areas. The numbers in brackets on the chart give the average over the divisions of the normal monthly rainfall; the numbers above these give the departures from normal of the average actual rainfall over the divisions.

1. Bay Islands
2. Lower Burma
3. Upper Burma
4. Assam
5. Eastern Bengal
6. Bengal
7. Orissa
8. Chota Nagpur
9. Bihar
10. United Provinces, East
11. Do., West
12. Punjab, East and North
13. Do., Southwest
14. Kashmir
15. Northwest Frontier Province
16. Baluchistan
17. Sind
18. Rajputana, West
19. Rajputana, East
20. Gujarat
21. Central India, West
22. Do., East
23. Berar
24. Central Provinces, West
25. Do., East
26. Konkan
27. Bombay, Deccan
28. Hyderabad, North
29. Do., South
30. Mysore
31. Malabar
32. Madras, Southeast
33. Madras, Deccan
34. Madras Coast, North

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GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW

PUBLISHED BY ORDER OF

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CALCUTTA, DECEMBER, 1908.

INTRODUCTION.

THIS review of the weather in India during the month of December, 1908, is based on observations taken daily at 8 hrs. at 239 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 36 stations. In the rainfall summary the data furnished by the meteorological observatories, and such rainfall statements of the month as had been published by the provincial Governments up to the date of the preparation of the review, have been utilized. The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories.

For a statement of the methods adopted in recording and tabulating the data, for each of the elements of observation, reference should be made to the introductory portion of the review for January.

Summary of the chief features of the weather in India during the month of December, 1908.

2. The weather during December was chiefly characterized by extreme dryness over almost the whole country. Several cold weather depressions entered India from the west but only one gave any precipitation of importance. This depression entered northwest India on the 18th and remained almost stationary in the Punjab for some days. It was the cause of moderately heavy snow in Kashmir and fairly good rain in the North-West Frontier Province and the submontane districts of the Punjab and the west of the United Provinces. There was also local rain on one day in the central parts of the country. In the last week rain fell over a large part of the Madras presidency but in all other parts of the country there was scarcely any rain.

In keeping with the scanty rainfall skies were not as cloudy as usual and maximum temperature was normal or in slight excess while the minimum was generally in defect, the deficiency being large in Bihar.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar observations.*—There were two days—the 1st and the 31st—on which no observations were possible. On 5 other days the prominence record was imperfect.

Sunspots.—There were 21 new groups of spots with a daiiy average of 3·7 and the average life of a spot was 5·5 days. Two of the groups were returns of old ones.

The following table shows the distribution of spots according to latitude for the month :—

	1°-10°	11°-20°	Extreme Latitudes.	Mean Latitude.
North	6	6	5°, 15°	9°·6
South	2	7	3°, 18°	12°·8

There were only three groups which contained fairly large spots, Nos. 1571, 1578, and 1580. No. 1571 was first seen as a few dots on the 18th, about 15° to the east of the central meridian. On the 19th it became a fairly large double spot group but did not change much after that date. Nos. 1578 and 1580 were large spots that came round the east limb about the end of the month. No. 1580 was a return of 1561. C was reversed on its umbra on January 4, 1909.

Prominences.—Thirty-nine prominences, one minute or more in height and 3 metallic prominences were recorded during the month. A group of prominences was observed in the north-east limb on the 14th which was 90″ high at 8 h. 58 m. but rose to 180″ in about 3 hours and was 240″ high at 13 h. 45 m. More striking than the increase in height were the rapid changes in form the prominences were undergoing throughout the period of observation. Another remarkable prominence was observed at the east limb on the 27th, apparently associated with the large spot No. 1578 then nearing the east limb. When first seen it was an ordinary compact bank occupying about 16° of the limb and 50″ in height. At 9 h. 22 m. it had apparently burst asunder and at the northern extremity there appeared a floating cloud 140″ above the limb which in subsequent photographs was seen to grow larger, rise higher, and drift rapidly northwards. The maximum height measured was 5 minutes at 11 h. 12 m. when only a small bright cloudlet remained. At 9 h. 47 m. an enormous eruption burst out from a point 4° south of the original prominence and streamed northward arching over the remains of the earlier outburst. This also rose to a height of 5 minutes and then quickly dissolved away.

Magnetic disturbances.—There was a "moderate" magnetic disturbance from 14 h. on the 4th to 10 h. on the 6th. Spot group No. 1559 crossed the central meridian on the 6th.

C. MICHIE SMITH,
Director,
Kodaikanal and Madras Observatories.

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of December the traces showed 17 calm days, 13 days of small and 1 day of moderate disturbance.

The days of the month selected as quiet for the purposes of the magnetic survey of India are the 2nd, 11th, 16th, 21st and 28th.

The observed absolute values of the several magnetic elements reduced to the mean monthly tabulations of the magnetograms as also the ranges and the summed ranges of the horizontal force and declination for the month are as follow:—

Easterly declination	1° 1′ 35″
Horizontal force	0·36858 C. G. S. unit.
Vertical force	0·15957 ,, ,,
Dip (calculated)	23° 24′·5
Dip (observed twice a week)	23° 24′·2
Horizontal force range	0·00037 C. G. S. unit.
Horizontal force summed range	0·00226 ,, ,,
Declination range	1′·33
Declination summed range	7′·09

[NOTE.—Summed range means sum without regard to signs of 24 ordinates of diurnal inequality.]

The following table represents the magnetic character of each day of the month:—

Day.	Character.	Day.	Character.	Day.	Character.	Day.	Character.
1	C	9	C	17	S	25	S
2	C	10	C	18	S	26	S
3	S	11	C	19	S	27	C
4	M	12	S	20	C	28	C
5	S	13	S	21	C	29	C
6	S	14	C	22	C	30	C
7	S	15	C	23	S	31	C
8	S	16	C	24	C		

C=calm; S=small; M=moderate; G=great; V G=very great.

Seismic disturbances recorded at Bombay.

Four seismic disturbances were recorded during the month, 2 on the 12th, 1 on 18th and 1 on 28th.

List of seismic disturbances.

Date.	Commencement.	Maximum.	End.	Maximum amplitude.	Duration.
	H. M.	H. M.	H. M.	mm.	H. M.
December, 12th	13 0·1	13 10·7	13 55·9	3·4	0 55·8
12th	19 9·2	19 27·7	19 44·3	0·3	0 35·1
18th	Lost in shifting time.	15 48·3	16 41·7	3·7	...
28th	4 30·3	4 57·3	6 14·0	2·2	1 43·7

All times given above denote G. M. T.
Sensibility to tilt 1 mm. = 0″·41.

N. A. F. MOOS,
Director,
Bombay Observatory.

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the Milne seismograph at the Alipore Observatory during December, 1908.*

Date 1908.	P. T. Commencement. G. M. T.	L. W. Commencement. G. M. T.	Maximum. G. M. T.	End. G. M. T.	Duration.	Maximum displacement on trace from mean position.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
Dec. 12th	12 58·1	—	13 1·1	14 38·8	1 40·7	?	As the boom moved throughout the trace, maximum amplitude on trace from mean position cannot be measured. *Measured from the base line. Sensibility throughout 1 mm. = '038" of tilt
,, 18th	15 42·4	—	15 48·5	17 5·8	1 23·4	3·50*	

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing seismographs.*

Date. 1908		Commencement of 1st P. T. G. M. T.	Commencement of 2nd P. T. G. M. T.	Beginning of L. W. G. M. T.	Time of maximum amplitude. G. M. T.	End approximately. G. M. T.	Duration.	Maximum displacement of style.	REMARKS.
		H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
Dec. 11th	A	2 59·6	...	...	2 59·9	3 3	0 3·4	1·5	
,,	B	2 59·6	...	...	2 59·9	3 1	0 1·4	2	Local.
12th	A	12 58·9	13 2·1	13 4·5	13 6·5	13 10	1 0	Struck stops.	Epicentre about 1,350 miles distant.
,,	B	12 58·9	13 2·1	13 4·5	13 5·5	13 40	0 41	Do.	
18th	A	10 13·7	...	...	10 14·4	10 23	0 9·3	1·5	
,,	B	10 13·9	...	...	10 14·4	10 20	0 6	1·8	Local.
,,	A	15 42·5	15 45·2	15 47·4	15 57·5	16 40	0 57·5	5	Epicentre about 1,300 miles distant.
,,	B	...	...	...	...	...	...	...	
21st	A	13 30·3	...	...	13 31·7	13 37	0 6·7	·8	
,,	B	...	...	...	13 31·6	13 34	0 2·4	1·5	Local.
28th	A	4 29·3	4 36·7	4 44·9	Driving clock stopped.				
,,	B	4 29·5	4 30·	4 45·2	4 45·9	5 30	1 0	2	Missinia earthquake.

Magnification of both instruments was 15.
A = Recording E—W components.
B = Recording N—S components.

The following table contains a list of the earthquakes that have been reported:—

Place at which felt.	Date.	G. M. T. of earthquake.		Intensity.	Duration.	No. of shock.	REMARKS.
		Hrs.	Min.				
Bassein . . .	9	21	45	4	20	1	
Muktesar . . .	11	2	59	2	10	1	
Dehra Dun . .	11	3	0	4	...	...	
Dikon . . .	12	12	53	3	22	2	
Dibrugarh . . .	12	12	56	4	35	1	
Jorhat . . .	12	13	30?	4	10	2	
Doom Dooma (Lakhimpur).	12	12	55	4	40	2	
Myitkyina . .	12	12	54	3	10	1	
Drosh . . .	17	21	53	2	44	2	
Chitral . . .	18	10	15	3	12	...	
Chitral . . .	21	13	28	3	10	2	
Gantok . . .	30	9	5	6	15	3	
Nagrakata (Jalpaiguri).	30	9	30	4	3	2	
Kalchini . . .	30	8	35	4	4	1	
Chumbi Valley . .	30	8	30	...	...	...	No damage done.

Solar radiation.—The following figures give the intensity of solar radiation, as measured at Simla by Angstrom's pyrheliometer. The values are corrected to local noon, and expressed in grammecalories per square centimetre per minute:—

Maximum	1·50
Minimum	1·39
Mean	1·46
Number of days of observation . . .	13

J. PATTERSON,
Imperial Meteorologist.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. *Solar observations.*—Observations were taken on 1st, 2nd, 5th, 7th to 9th, 12th to 17th, 21st and 28th to 31st. Sunspots, singly and in groups, and faculæ were seen on each day of observation.

Magnetic disturbances.

Day.	Time.	Disturbance.
4th	12 h. 20 m. to 12 h. 26 m.	Increase in H. F. (16) followed till 20 h. by a steady decrease (100).
4th to 5th.	21½ h. to 5 h.	Wave in H. F. (+55) with small superposed fluctuations and a minor wave (3 h. 10 m. to 50 m.) + (31); 11½ h. to 16 h. Two successive waves in H. F. (−35) and (−38).
6th	0 h. to 2¼ h.	Wave in H. F. (+26). Occasional small fluctuations in declination with double wave 12½ h. to 15 h. (+10) to (+9).
6th to 7th.	21 h. to 1 h.	Two successive waves in H. F. (+20) and (+14).
13th	.....	Accentuated diurnal variation in H. F.
25th to 27th	18 h. to 2 h.	Occasional small fluctuations in H. F. with waves 26 d. 7 h. to 11 h. (−20); 17 h. to 19¼ h. (−34).

T. F. CLAXTON,
Director.

Weather in the Indian monsoon region.

Pressure was lower than usual over the whole region. The air movement was below the ordinary December strength at the Seychelles and Mauritius; its direction was, however, nearly normal. Rainfall was in decided defect in the subequatorial zone and in excess at Mauritius.

	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	—·034	—·025	—·009
Actual mean wind direction	N 74° E	N 34° E	N 56° W
Normal mean wind direction	N 89° E	N 35° E	N 44° W
Actual mean wind velocity (miles per diem).	180	172	119
Normal mean wind velocity (miles per diem).	259	151	150
Rainfall departure from normal	+1·02	—5·26	—3·78

Depressions and cyclonic storms.

9. A depression was shown over the Persian area on the 1st on which date light rain was reported from Baghdad and Bushire, and by next day rainfall had extended to Tehran and Ispahan; at the same time the barometer was falling rapidly at Robat and Meshed, and skies had become heavily clouded in Baluchistan. By the 4th the depression was entering Sind and during the day it gave light precipitation in east Baluchistan, but in other parts of northwest India it did not affect the weather beyond giving heavy cloud in Kashmir and light cloud in northwest India.

Weather again became disturbed in Persia on the 8th and rain fell over a large part of this area: as before these conditions were transmitted eastward and were giving light precipitation in Baluchistan and Kashmir on the 11th. In the latter area precipitation continued up to the 15th, at the end of which time all trace of the depression had disappeared.

On the 15th a depression appeared over Baghdad and by the next day it had reached Persia, but no rain fell in the latter area until the 17th. The depression was entering northwest India on the 18th and on the 19th was well-marked over the Indus valley; up to this time however it had not affected the weather beyond causing light cloud in Kashmir, but by the morning of the 20th it had developed considerably and was shown over Montgomery, Multan and Dera Ismail Khan. By this time skies had become heavily clouded in the extreme north of India and light precipitation had fallen in parts of the area. The depression was reinforced by the arrival of a fresh depression from the west, and disturbed weather continued in upper India until the 25th. During this time fairly heavy snow fell in Kashmir and on the Punjab hills, and light to moderate rain in the submontane districts of the Punjab and of the northwest of the United Provinces. On the 25th rainfall also occurred in parts of the Central Provinces, the east of Central India and the south-east of the United Provinces.

The last depression of the month was shown over Baghdad on the 24th, and as it advanced eastward it gave rain over the Persian area; skies began to cloud over in Baluchistan on the 27th and by next morning precipitation had become fairly general over this area, and local in Kashmir. It continued until the end of the month but was generally light in the latter area.

Weather was slightly disturbed in the south of the Bay from the 24th and by the 28th the disturbance had developed considerably, but up to this time it had given very little rain though cloud had become moderately heavy in the Andaman Islands and the Madras presidency. The disturbance continued to develop and by the 30th had intensified into a well marked cyclonic storm, moving towards the south Coromandel coast where the sea had become very rough, while rain was falling on the east coast of Ceylon.

The storm was a short distance north-east of Trincomalee on the 31st, on which date it was of considerable intensity and was giving moderate to heavy rain on the Madras coast south of Nellore, and on the east coast of Ceylon. Its further progress will be given in the January Review.

Pressure.

10. On the mean of the whole country at the level of the plains pressure was ·006″ in excess. Pressure did not differ appreciably from the normal except in isolated areas, the chief being a fairly large deficiency in Tenasserim and an excess in Gujarat on the Sind coast, in Oudh, Orissa and southwest Chota Nagpur.

At the hill stations in upper India pressure was in very large defect and the vertical pressure gradients were very much steeper than usual, the conditions were thus favourable for precipitation in the extreme north, and in Kashmir and the North-West Frontier Province there was about double the usual quantity of snow and rain.

At the other hill stations in India the departures from normal of pressure were similar to those of the corresponding plain stations.

The following tables give the pressure data for the 14

meteorological divisions and the vertical distribution of pressure at a number of pairs of associated plains and hill stations :—

Division.	Departure from normal of mean 8 hrs. pressure.
	"
Burma	—·008
Eastern Bengal and Assam	+·008
Bengal	+·014
United Provinces	+·013
Punjab	+·013
North-West Frontier Province	+·002
Sind	+·014
Rajputana	+·008
Bombay	+·006
Central India	—·003
Central Provinces	+·012
Hyderabad	0
Mysore	—·005
Madras	+·003

Hill Station.	Departure from normal pressure. A.	Plain Station.	Departure from normal pressure. B.	Departure of pressure difference. B—A
	"		"	"
Quetta	0	Jacobabad	+·015	+·015
Leh	—·057	Lahore	+·001	+·058
Murree	—·013	Peshawar	—·002	+·011
Simla	—·021	Ludhiana	+·013	+·034
Chakrata	+·009	Roorkee	+·019	+·010
Darjeeling	+·009	Dhubri	+·006	—·003
Mount Abu	—·001	Deesa	+·008	+·009
Pachmarhi	+·006	Khandwa	+·014	+·008

Temperature.

11. Maximum temperature was in defect in the North-West Frontier Province and the adjacent districts of the Punjab, and in central Burma, while it was in excess in the submontane districts extending from Bahraich to Jalpaiguri, but in all other parts of the country the maximum was normal. On the other hand the minimum was in defect over by far the greater part of India, the only areas where it was normal being Burma, south India, upper India, and Sind. The greatest deficiency occurred in Bihar and at Darbhanga it averaged to 9°. Over the plains of India, the temperature conditions as given by the mean for the whole month were a fair indication of the conditions prevailing throughout the month, but in Kashmir and Baluchistan and the neighbouring areas to the east there were large and frequent variations of temperatures. Temperature was generally high in front of the depressions which arrived from Persia and in large defect in the rear. Only one definite wave of temperature crossed India during the month: in front of the depression which entered northwest India on the 18th, a warm area slowly crossed northern India and was followed by its complement, or cold area, which reduced temperature considerably below normal; the effects of it were still felt at the end of month over the whole of northern India.

Sub-Division.	Actual temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month.	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
1. Bay Islands	84·8	77·0	80·9	7·8	13·5	—0·6	—0·2	—0·4
2. Lower Burma	85·2	66·7	76·0	18·4	27·1	—0·3	+0·8	—1·1
3. Upper do.	78·7	54·1	66·5	24·6	32·2	—1·9	—1·1	—0·8
4. Assam	75·5	49·4	62·5	26·1	31·9	+0·1	—3·4	+3·5
5. Eastern Bengal	78·1	51·1	64·6	26·9	33·2	+1·4	—3·3	+4·7
6. Bengal	78·2	52·4	65·3	25·8	34·7	+1·1	—2·1	+3·2
7. Orissa	79·3	53·0	66·2	26·3	35·6	—0·9	—4·0	+3·1
8. Chota Nagpur	75·6	48·2	61·9	27·4	37·8	—0·6	—2·0	+1·4
9. Bihar	76·8	47·8	61·9	29·8	38·1	+1·4	—5·2	+6·6

Sub-Division.	Actual temperature.					Departure from normal of		
	Mean maximum.	Mean minimum.	Monthly mean of mean between maximum and minimum.	Mean daily range of temperature.	Absolute range during month	Maximum.	Minimum.	Daily range.
	°	°	°	°	°	°	°	°
10. United Provinces, East	76·5	45·1	60·8	31·4	40·2	+1·2	—3·0	+4·2
11. Do., West	73·9	46·3	60·1	27·6	38·6	+0·1	—0·6	+0·7
12. Punjab, East and North	70·8	42·9	56·9	27·8	38·7	—1·2	+0·1	—1·3
13. Do., Southwest	71·1	43·3	57·2	27·8	40·9	—1·8	+0·2	—2·0
14. Kashmir	39·3	18·8	29·1	20·5	50·0	—0·3	—0·5	+0·2
15. N.-W. Frontier Province	67·1	39·4	53·3	27·7	42·6	—3·0	—0·2	—2·8
16. Baluchistan	59·4	34·3	46·9	25·1	51·4	—1·0	—2·8	+1·8
17. Sind	77·7	51·7	64·7	26·0	41·3	—1·0	+1·0	—2·0
18. Rajputana, West	77·1	45·6	61·4	31·6	47·5	—1·9	—4·3	+2·4
19. Do., East	76·6	46·7	61·7	30·0	43·5	—1·0	—2·2	+1·2
20. Gujarat	82·7	54·1	68·4	28·6	41·6	—0·9	—2·8	+1·9
21. Central India, West	78·5	46·4	62·4	32·1	43·9	—0·4	—3·1	+2·7
22. Do., East	74·8	45·6	60·2	29·2	40·2	—0·4	—1·2	+0·8
23. Berar	80·9	52·8	66·9	28·1	37·4	—1·1	—2·5	+1·4
24. Central Provinces, West	78·2	47·6	62·9	30·6	42·1	—1·0	—3·1	+2·1
25. Do., East	77·2	48·9	63·1	28·4	41·1	—2·0	—3·5	+1·5
26. Konkan	85·6	66·7	76·2	18·8	26·3	—1·5	—1·8	+0·3
27. Bombay Deccan	83·3	51·7	67·5	31·6	40·7	—0·5	—3·1	+2·6
28. Hyderabad, North	81·0	51·2	66·1	29·8	39·2	—1·8	—4·4	+2·6
29. Do., South	82·0	57·1	69·6	24·9	34·5	—2·1	—2·8	+0·7
30. Mysore	81·4	57·9	69·7	23·5	33·5	+1·3	—0·8	+2·1
31. Malabar	86·6	70·9	78·8	15·7	22·1	—0·5	—0·4	—0·1
32. Madras, Southeast	85·1	67·9	76·5	17·1	25·9	+0·9	—0·7	+1·6
33. Do. Deccan	85·4	59·8	72·6	25·6	36·1	—1·0	—2·0	+1·0
34. Do. Coast, North	80·8	63·4	72·1	17·5	25·2	—1·0	—2·9	+1·9

Division.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Burma	—1·0	0	—0·5
Eastern Bengal and Assam	+1·0	—3·3	—1·2
Bengal	+0·4	—3·3	—1·5
United Provinces	+0·6	—1·7	—0·6
Punjab	—1·4	+0·1	—0·7
North-West Frontier Province	—3·0	—0·2	—1·6
Sind	—1·0	+1·0	0

Division.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Rajputana	—1·2	—2·8	—2·0
Bombay	—0·9	—2·6	—1·8
Central India	—0·4	—2·1	—1·3
Central Provinces	—1·2	—3·0	—2·1
Hyderabad	—2·0	—3·3	—2·7
Mysore	+1·3	—0·8	+0·3
Madras	—0·1	—1·3	—0·7

Winds.

12. The air movement was above the average in Madras and the Punjab, but in the North-West Frontier Province, Sind, Central India and Hyderabad winds were considerably below the normal strength.

Winds were not as steady as usual in the United Provinces and the North-West Frontier Province, and their steadiness was in excess of the normal in the Punjab, Sind, Rajputana and Hyderabad :—

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	+0·2	+ 9
Eastern Bengal and Assam	—0·2	— 1
Bengal	—0·1	+ 4
United Provinces	—0·2	— 5
Punjab	+0·5	+ 5
North-West Frontier Province	—1·0	— 9
Sind	—1·1	+16
Rajputana	—0·1	+17
Bombay	0	— 2
Central India	—0·9	+ 5
Central Provinces	0	+ 5
Hyderabad	—1·4	+ 9
Mysore	+0·6	+ 5
Madras	+1·8	+ 6

Humidity and cloud.

13. The actual and relative amounts of moisture in the air were considerably greater than usual in Sind and slightly above the average in the north-western half of the Punjab and in the North-West Frontier Province, but in all other parts of the country excluding Burma they were below the average : the deficiency in both absolute and relative humidity was large in Bengal, Bombay, Central India, the Central Provinces and Hyderabad.

Skies were more cloudy than usual in central Burma and in the greater part of south India, but in the rest of India there was very little cloud and over the greater part of northern India the amount of cloud was over 50 per cent. less than usual:—

Division.	Hygrometry ; 8 hrs.				Cloud.	
	Mean humidity.	Departure from normal.	Mean vapour-tension in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.
	%		"	"		
Burma	86	+ 3	·544	0	2·1	—0·7
Eastern Bengal and Assam.	86	— 4	·400	—·052	1·1	—1·2
Bengal	73	— 6	·330	—·074	1·0	—0·4
United Provinces.	73	— 4	·281	—·032	0·8	—0·9
Punjab	74	+ 3	·250	+·007	1·9	—1·0
North-West Frontier Province.	74	+ 3	·213	+·002	2·7	—0·5
Sind	65	+ 6	·305	+·027	1·2	—1·2
Rajputana	57	— 2	·226	—·038	0·7	—1·7
Bombay	52	— 7	·330	—·075	0·7	—0·8
Central India	57	— 6	·247	—·050	0·7	—0·6
Central Provinces	54	— 8	·251	—·080	0·7	—1·0
Hyderabad	55	— 8	·341	—·080	1·4	+0·2
Mysore	71	— 2	·450	—·031	3·6	0
Madras	73	— 4	·586	—·064	4·1	+0·3

Rainfall.

14. Rainfall during December is generally received from two different sources, one being the retreating monsoon in south India and the other the cold weather depressions which cross northern India from west to east; this year rainfall from both sources was in very large defect. In south India weather was dry during the first three weeks of the month except for an occasional light fall of rain; in the last week rain fell in the greater part of the Madras presidency, the principal exceptions being the north Madras coast, the Madras Deccan and south Canara, but it was not nearly sufficient to give the normal amount of rainfall.

In northern India the cold weather storms failed to cross the country, and although several entered northwest India they failed with one exception to produce any precipitation except in Baluchistan and Kashmir. On the 18th a depression began to affect the weather in the northwest, and after entering India it remained almost stationary and was reinforced from time to time by the arrival of other depressions from Persia. Disturbed conditions thus continued for some time in upper India, and in addition to moderately heavy snow in Baluchistan and Kashmir they caused a fair amount of rain in the North-West Frontier Province and the submontane districts of the Punjab, rainfall also extending into the north-west of the United Provinces. On the 25th local rain fell over the central parts of the country owing to these disturbed conditions. There was thus about double the normal amount of precipitation in Kashmir and the North-West Frontier Province, while in Baluchistan rainfall was 30 per cent. in defect. In all other parts of India rainfall was in very large defect.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	0	0·26	−0·26	−100
Eastern Bengal and Assam	0	0·32	−0·32	−100
Bengal	0	0·15	−0·15	−100
United Provinces	0·05	0·37	−0·32	− 86
Punjab	0·17	0·46	−0·29	− 63
North-West Frontier Province	0·94	0·49	+0·45	+ 92
Sind	0	0·11	−0·11	−100
Rajputana	0	0·33	−0·33	−100
Bombay	0	0·14	−0·14	−100
Central India	0·05	0·40	−0·35	− 88
Central Provinces	0·16	0·30	−0·14	− 47
Hyderabad	0	0·29	−0·29	−100
Mysore	0·02	0·59	−0·57	− 97
Madras	0·56	2·42	−1·86	− 77
Mean of India when the size of the above areas is taken into account.	0·10	0·50	−0·40	− 80

Sub-division.	Number of Rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
			"	"	"	
1. Bay Islands	0	5·2	0·05	3·33	−3·28	− 98
2. Lower Burma	0	0·3	0·01	0·16	−0·15	− 94
3. Upper do.	0	0·7	0	0·35	−0·35	−100
4. Assam	0	1·0	0	0·44	−0·44	−100
5. Eastern Bengal	0	0·3	0	0·18	−0·18	−100
6. Bengal	0	0·2	0	0·11	−0·11	−100
7. Orissa	0	0·4	0	0·23	−0·23	−100
8. Chota Nagpur	0	0·3	0·01	0·20	−0·19	− 95
9. Bihar	0	0·3	0·01	0·13	−0·12	− 92
10. United Provinces, East	0·1	0·6	0·02	0·29	−0·27	− 93
11. Do., West	0·3	0·9	0·08	0·45	−0·37	− 82
12. Punjab, East and North	0·7	0·9	0·21	0·53	−0·32	− 60

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
13. Punjab, Southwest	0·2	0·5	0·03	0·22	—0·19	— 86
14. Kashmir	3·9	2·9	2·91	1·39	+1·52	+109
15. North-West Frontier Province	2·6	1·0	0·94	40·9	+0·45	+ 92
16. Baluchistan	1·8	2·2	0·67	0·96	—0·29	— 30
17. Sind	0	0·3	0	0·11	—0·11	—100
18. Rajputana, West	0	0·4	0	0·15	—0·15	—100
19. Do., East	0	0·9	0	0·40	—0·40	—100
20. Gujarat	0	0·1	0	0·05	—0·05	—100
21. Central India, West	0	1·0	0·01	0·37	—0·36	— 97
22. Do., East	0·6	0·9	0·21	0·45	—0·24	— 53
23. Berar	0·3	0·4	0·08	0·29	—0·21	— 72
24. Central Provinces, West	0·7	0·6	0·28	0·36	—0·08	— 22
25. Do., East	0·3	0·4	0·10	0·23	—0·13	— 57
26. Konkan	0	0·2	0	0·07	—0·07	—100
27. Bombay Deccan	0	0·4	0	0·22	—0·22	—100
28. Hyderabad, North	0	0·7	0·01	0·41	—0·40	— 98
29. Do., South	0	0·3	0	0·18	—0·18	—100
30. Mysore	0·1	1·1	0·02	0·59	—0·57	— 97
31. Malabar	0·3	1·7	0·20	1·20	—1·00	— 83
32. Madras, Southeast	1·6	4·7	1·08	4·12	—3·04	— 74
33. Do. Deccan	0·1	0·8	0·02	0·46	—0·44	— 96
34. Do. Coast, North	0·2	1·0	0·08	0·92	—0·84	— 91

Snowfall.

I.—AFGHANISTAN.

15. Snow fell at Kabul on six days to a total depth of 17 inches. The fall is said to have been greater on the surrounding hills. At the end of the month there was an accumulation of about 2 to 5 inches in the plain of Kabul.

II.—NORTH-WEST FRONTIER PROVINCE.

(*a*) *Tochi.*—Slight snow fell on the 28th on the hills to the north and south of Datta Khel.

(*b*) *Kohat.*—There were four or five falls, chiefly during the last week, on the hills bordering the district. The total fall amounted to about 8 inches on the Samana Range and 2 feet on the Mozioghar.

(*c*) *Hazara.*—The statement below shows the total depth of snowfall during the month on the well known ranges :—

Name of Range.	Snowfall during month.	
	Ft.	In.
Narang	9	1½
Kagan	9	4
Janed	3	9
Dungagali	5	9
Tandiani	5	5

It may be noted that the first fall of the season on these ranges occurred on the 19th.

III.—KASHMIR.

Snow began to fall earlier than usual in the valley, the first fall at Srinagar occurring on the 14th The total precipitation recorded at the Srinagar observatory during the month was equivalent to nearly 5 inches of rain as compared with 1 inch, the normal for the period. Snow fell in all on thirteen days at Sonemarg, seven days on the ranges near Kargil and 4 days at Skardu. The total fall amounted to about 12 feet on the Zoji-la, Hungsathu and Thajwas, 9 feet at Sonemarg, 4 feet at Dras and 1 foot at Skardu.

IV.—PUNJAB.

(*a*) *Dalhousie.*—Feeble snowstorms occurred on the 21st, 24th, 25th and 26th: the total fall measured at Dalhousie only 9 inches in depth but was believed to be at least double that amount at Bakrota, Kalatop, Dain Kund and Khajiar.

(*b*) *Kilba.*—There were three falls on the surrounding mountains. The snow line descended from about 9,600 feet on the 4th, to about 5,750 feet on the 25th on which day snow fell to a depth of about 2 feet. At the close of the month the accumulations on the higher ranges did not exceed four inches in amount.

V.—UNITED PROVINCES.

(*a*) *Garhwal.*—Snowstorms occurred on the 11th, 13th 21st, 24th, and 25th; those of the 24th and 25th were severe, the snow line coming down to about 5,000 feet.

(*b*) *Almora.*—There were occasional falls during the month. The total fall was reported as amounting to 6 feet in Byans, 5 feet in Malla Johar, 4½ feet on the Nuwe and Binkaru Passes and 3 feet in Malla Danpur. The snow line came down to the inhabited area.

NAME OF PASS.	DEPTH OF ACCUMULATION AT THE END OF THE MONTH.	
	Reported.	Normal.
	Feet.	Feet.
Untadhura	9	11½
Ralamdhura	4	9
Nuwe Pass	28	33
Binkaru Pass	17	26
Lipulekh „	4	5

On the whole the snowfall of the month was not very heavy. There was but little snow lying at the end of the month below the 13,000 feet level.

SUMMARY.

16. (*a*) Heavy snow fell in southern Russia, the Caucasus and the mountains along the northern frontier of Persia.

(*b*) There were several snow storms in the Afghan mountains. The aggregate fall was considerably above the normal at Kabul. On the mountain ranges of Hazara the snowfall commenced earlier than usual, and was apparently heavy.

(*c*) In Kashmir the snowfall, although somewhat irregularly distributed, was much in excess of the normal. The first fall of the season occurred in the valley before the normal date.

(*d*) On the ranges near Kilba snow fell on three occasions. The snow line descended to an unusually low level on the 25th.

(*e*) In Garhwal there were altogether five falls and the lowest level reached was 5,000 feet. In Almora the accumulations were not quite as deep as usual at the end of the month, and the snow line was at about 13,000 feet.

Crop report.

17. *Burma.*—Early autumn and winter rice were being reaped, and the plucking of cotton and the gathering of groundnuts were in progress. The prospects of the standing crops were good.

Eastern Bengal and Assam.—Winter rice yielded a fair harvest except in the Rajshahi division. Rain was badly needed for the standing crops, for the sowing of spring crops and for the preparation of land for monsoon crops.

Bengal.—Early oil seeds and winter paddy were being harvested, and poppy and other spring crops were being irrigated. The agricultural outlook in north Bihar was unfavourable and scarcity was apprehended in Nadia.

United Provinces.—Rain was urgently required in most districts, and unirrigated crops were withering. Some damage to standing crops was reported from insects and frost; otherwise standing crops were in good to fair condition.

Punjab.—Autumn crops were being harvested and their conditions and expected yield were good to average. Rain was urgently needed in the Delhi division.

The North-West Frontier Province.—The condition of standing crops was good but the wheat crop was reported to have been attacked by insects. Harvesting of autumn crops and pressing of sugarcane were in progress.

Jammu and Kashmir.—The condition of the standing crops was fair and fodder was sufficient.

Rajputana.—Spring sowings were completed in most places, and the young crops were doing well.

Central India.—Autumn crops were being harvested and the sowing of spring crops was in progress.

Central Provinces.—The condition of spring crops was generally satisfactory and prospects were favourable, but more rain was needed in Damoh and Bilaspur.

Bombay.—Some damage had been caused to standing crops by disease, frost, insects and want of moisture. Harvesting of autumn and sowing of spring crops were

in progress. Agricultural stock was generally in good condition.

Hyderabad.—The early rice harvest was nearing completion. The spring crop was in fair condition but in most parts it needed rain.

Mysore.—Standing crops had slightly improved because of rainfall, but the prospects of the season were still generally unfavourable except in Kolar where they had improved.

Coorg.—The reaping of rice and the picking of coffee were in progress.

Madras.—Standing crops were fair and had benefitted by rainfall, but some required more rain. Harvesting continued with varying outturn. The condition of cattle was generally good.

J. PATTERSON.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 36 stations in India, etc., in December, 1908.

Table

Abstract of observations taken at 10 hrs. and 16 hrs.

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to sea-level and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	I.—Burma.																					
2	Rangoon	36	29·993	29·868	·125	29·929	−·018	29·901	87·9	68·2	19·7	91·1	64·0	27·1	77·9	86·4	76·4	+0·8	65·6	70·6	72·7	69·6
	III.—Bengal.																					
6	Calcutta	21	30·098	·972	·126	30·029	+·001	·997	78·3	53·3	25·0	83·2	49·5	33·7	70·0	76·5	64·8	−0·5	51·5	59·9	61·8	57·7
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad	309	29·834	·715	·119	29·764	+·013	30·038	76·6	45·7	30·9	80·7	39·3	41·4	65·8	74·7	59·2	−0·6	44·3	54·2	57·0	51·8
11	Dehra Dun	2,233	27·825	27·741	·084	27·772	−·001	·042	70·5	45·6†	24·9	75·2	39·3	35·9	60·3	65·7	57·2†	+0·9	42·0	50·8	53·5	48·8
	V.—Punjab.																					
12	Lahore	702	29·403	29·309	·094	29·346	−·009	·052	71·2	42·5	28·7	76·3	36·3	40·0	59·1	69·1	54·7	+0·1	41·1	51·8	56·7	49·9
	VIII.—Rajputana.																					
19	Jaipur	1,431	28·672	28·569	·103	28·610	0	·041	76·9	47·7	29·2	81·1	37·0	44·1	67·8	74·5	60·4	−1·1	42·6	53·7	57·0	51·1
	Udaipur	1,925	·163	·052	·111	·102		·020	77·2	44·8	32·4	83·7	36·4	47·3	67·7	75·8	60·9		41·7†	54·3	57·8	51·3
	IX.—Bombay.																					
26	Bombay	37	30·022	29·909	·113	29·961	+·008	29·938	83·8	68·1	15·7	87·1	64·3	22·8	74·6	78·9	75·2	−1·2	62·1	65·9	69·9	66·0
	XI.—Central Provinces.																					
24	Nagpur	1,017	29·081	28·954	·127	·013	+·017	30·014	80·3	50·0	30·3	85·6	44·6	41·0	63·7	78·6	64·5	−2·6	46·1	56·0	60·1	54·1
	XII.—Hyderabad.																					
29	Hyderabad	1,690	28·374	·253	·121	28·311	+·007	29·972	81·0	54·8	26·2	84·8	49·0	35·8	75·7	77·2	67·1	−2·0	51·6	60·0	60·4	57·3
	XIII.—Mysore.																					
30	Bangalore	3,021	27·024	26·912	·112	26·969	−·013	·899	80·5	56·6	23·9	84·5	51·9	32·6	71·6	77·6	67·7	+0·2	55·2	61·1	62·0	59·4
	Mysore	2,518	·510	27·384	·126	27·418	−·023	·889	82·4	59·6	22·8	86·9	54·1	32·8	73·8	81·4	70·1	+0·3	57·0	62·6	64·1	61·2
	XIV—Madras.																					
32	Periyakulam	944	29·058	28·926	·132	28·992		·875	87·1	64·4	22·7	90·8	57·2	33·6	78·7	84·7	75·8		60·8	67·2	68·1	65·4
	Pudukkottai	318	·700	29·583	·117	29·642		·891	85·5	68·9	16·6	87·8	64·5	23·3	78·9	82·4	77·2		66·1	69·3	71·2	68·9
	Madras	22	30·032	·930	·102	·980	0	·934	82·4	68·4	14·0	85·4	62·4	23·0	79·4	79·3	74·6	−1·1	67·0	71·1	70·7	69·7
	Station in the Bay.																					
1	Port Blair	58	29·916	·819	·097	·868	−·014	·856	84·9	76·7	8·2	88·0	73·5	14·5	81·7	82·7	80·0	−0·5	72·7	76·0	75·9	74·9
	Kashmir.																					
14	Srinagar	5,204	25·041	24·953	·088	24·989	−·032	21·960	45·8	27·7	18·1	56·4	12·1	44·3	35·7	43·4	34·9	−1·4	25·6	33·3	39·8	32·9
	Leh	11,503	19·695	19·605	·090	19·644	−·055	19·612	34·1	14·8	19·3	43·4	1·2	42·2	25·8	30·6	22·5	+0·4	12·7	20·3	22·6	18·5
	Baluchistan.																					
16	Quetta	502	24·761	24·692	·069	24·715	+·001	24·674	55·7	27·8	27·9	67·1	13·8	53·3	47·4	57·0	40·9	−1·4	26·7	37·9	40·4	35·0

N.B.—Elevations in italics indicate barometric determinations.
NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.
† Mean of 30 days.

A.

at 36 stations in India, etc., in December, 1908.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of subdivision.
														Total number of 10 hrs. and 16 hrs. winds from																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															I.—Burma.	
·601	·653	·623	·639	—·013	87	68	49	75	— 3	3·3	3·5	3·4	+0·5	1	35	23			2			1	N 17° E	N 42° E	81	61	50*	108	0·04	0·04	Rangoon . .	2
																															III.—Bengal.	
·360	·386	·357	·380	—·058	88	52	39	63	— 8	1·0	1·7	1·4	−0·4	1	23	6	2	1		1	4	24	N 19° W	N 13° W	73	63	76	60	0	0	Calcutta . .	6
																															IV.—United Provinces of Agra and Oudh.	
·276	·270	·233	·266	—·065	83	42	27	58	— 9	0·4	0·3	0·4	−1·1	23	3	3	3	1	2		17	10	N 63° W	N 48° W	33	27	40*	72	0·04	0·04	Allahabad. .	10
·226†	·258	·264	·248	—·023	74†	49	41	57	— 6	2·5	2·3	2·4	−0·4	20	8		2	3	9	10	5	5	S 60° W	S 75° W	21	17	17	29	0·20	0·11	Dehra Dun .	11
																															V.—Punjab.	
·241	·292	·298	·275	+·004	88	59	42	65	+ 2	1·7	2·7	2·2	−0·6	14	8	1	2	2	2		14	19	N 49° W	N 36° W	45	21	42*	31	0·30	0·20	Lahore . .	12
																															VIII.—Rajputana.	
·215	·239	·253	·285	+·018	61	35	23	48	— 5	0·6	1·4	1·0	−1·5	1	8	8	9	10	6	5	5	10	N 59° E	N 27° W	13	27	75	70	0	0	Jaipur . .	19
·229†	·258	·256	·243		76†	37	29	48		0·8	0·7	0·8		21	3	5	15	6	1	4	4	3	N 87° E		23		46*		0	0	Udaipur.	
																															IX.—Bombay.	
·478	·527	·613	·564	—·075	70	61	62	67	— 5	0·5	0·9	0·7	−1·2		3	11	14	3			5	26	N 1° E	N 15° E	43	55	219	233	0	0	Bombay . .	26
																															XI.—Central Provinces.	
·268	·300	·298	·295	—·061	73	42	30	51	— 3	1·3	1·5	1·4	−0·8	2	15	24	14	3			2	2	N 43° E	N 57° E	69	54	58*	72	0·67	0·67	Nagpur . .	24
																															XII.—Hyderabad.	
·349	·365	·319	·351	—·089	80	46	34	55	— 6	2·5	2·8	2·7	+0·1	33		15	7	7					N 76° E	S 78° E	37	57	58*	77	0	0	Hyderabad .	29
																															XIII.—Mysore.	
·425	·420	·379	·422	—·044	91	54	41	64	— 6	3·5	3·6	3·6			1	27	29	5					N 72° E	N 72° E	87	81	192*	132	0·17	0·16	Bangalore . .	30
·429	·435	·388	·435	—·041	85	52	36	60	— 2	5·2	5·2	5·2	+0·6		1	24	30	6	1				N 76° E	N 78° E	85	82	235*	247	0·09	0·09	Mysore,	
																															XIV.—Madras.	
·490	·515	·465	·490		80	52	40	57		1·9	3·2	2·6		18	1	5	9	8	12	5	4		S 33° E		32		52*		0·12	0·07	Periyakulam .	32
·620	·593	·617	·607		86	67	56	68		6·0	7·0	6·5			11	42	5	1				3	N 38° E		85		320*		0·44	0·33	Pudukkottai,	
·645	·651	·638	·665	—·064	93	65	64	76	— 6	4·8	4·5	4·7	−0·8		18	42	2						N 34° E	N 24° E	92	81	180	175	1·35	0·97	Madras.	
																															Station in the Bay.	
·752	·828	·804	·820	—·031	82	76	72	79	— 2	6·8	6·6	6·7	+1·5	1	18	27	14	2					N 44° E	N 57° E	81	66	175*	175	7·75	2·15	Port Blair .	1
																															Kashmir.	
·119	·169	·217	·161	—·015	76	79	73	76‡	— 5	6·2	5·5	5·9	+0·8	17	11	3	1	7	4	3	2	14	N 27° W	S 36° E	21	3	66*	62	4·75	2·00	Srinagar . .	14
·061	·069	·062	·066	—·008	73	49	36	57	— 4	6·4	7·2	6·8	+0·9			1	8	5	26	14	8		S 8° W	S 18° W	63	40	41	31	0·04	0·02	Leh.	
																															Baluchistan.	
·139	·136	·143	·143	—·015	90	42	41	61	0	2·1	3·6	2·9	−0·3	14	15	1	2	4	2	1	6	17	N 31° W	N 63° W	42	24	60*	55	1·40	0·69	Quetta . .	16

* Corrected.

‡ Mean of three previous columns.

Table

Abstract of observations taken at 10 hrs. and 16 hrs., at 36 stations

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure.						Temperature of air.										Temperature, wet-bulb.			
			Mean of 10 hrs.	Mean of 16 hrs.	Mean daily range.	Mean of daily mean pressures.	Departure from normal.	Mean reduced to sea-level and gravity, 45° Lat.	Mean maximum.	Mean minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Hill Stations excluding Kashmir and Baluchistan.																					
	Simla	7,224	23·173	23·116	·057	23·133	−·024	23·094	49·8	38·3	11·5	57·7	29·3	28·4	45·8	46·7	42·2	−0·2	31·8	37·0	33·8	35·9
	Sarain		·236	·172	·064	·193			49·1	29·0	20·1	58·7	19·9	38·8	35·8	42·6	38·2			31·9	35·6	
	Kalabagh¶		20·148	20·107	·041	20·117			36·9	21·8	15·1	40·5	20·3	20·2	32·5	32·5	28·5			30·7	28·0	
	Chakrata	7,022	23·367	23·311	·056	23·330	−·009	23·290	56·9	38·0	18·9	65·5	30·3	35·2	49·2	47·2	46·6	+0·4	32·4	38·9	39·2	36·8
	Muktesar	7,592	22·919	22·853	·066	22·874		22·832	53·7	36·8	16·9	64·3	30·0	34·3	47·0	48·9	44·4		29·7	36·9	39·5	35·4
	Katmandu	4,388	25·804	25·681	·123	25·740	†+·030	25·693	65·5	33·8	31·7	69·9	30·8	39·1	46·9	62·7	48·8	†−3·8	32·4	43·0	50·0	41·8
	Darjeeling	7,376	23·085	23·038	·047	23·059	+·001	23·014	52·7	37·1	15·6	58·4	34·1	24·3	47·3	50·0	44·0	+2·2	32·5	41·5	44·5	39·5
	Pachmarhi	3,528	26·591	26·515	·076	26·546	−·004	26·493	69·9	41·5	28·4	73·7	31·6	42·1	59·1	67·1	54·8	−2·3	38·1	50·5	54·0	47·5
	Mount Abu	3,945	·131	·114	·077	·145	+·002	·096	66·1	51·0	15·1	71·2	45·9	25·3	62·6	63·1	57·6	−2·3	41·6	48·1	48·6	46·1
	Chikalda	3,642	·468	·375	·093	·415	−·036	·359	72·4	51·9	20·5	75·3	44·6	30·7	65·2	68·8	61·3	−1·6	45·1	52·3	54·1	50·5
	Ootacamund	*7,322*	23·084	23·004	·080	23·040		22·977	65·6	41·6	24·0	70·6	32·9	36·7	61·5	60·0	52·7		39·8	51·6	53·5	48·3
	Kodaikanal	7,688	22·845	22·779	·066	22·812		·747	63·3	46·5	16·8	70·5	38·0	32·5	58·8	57·6	54·9		40·9	49·8	52·4	47·7
	Dodabetta	8,539?	·063	·021	·042	·038		21·975	59·1	46·3	12·8	62·3	41·3	21·0	56·3	54·8	51·8		39·7	46·0	47·6	44·4
	Extra India.																					
	Minicoy	7	29·991	29·893	·098	29·946																
	Zanzibar	72	·911	·796	·115	·858	−·025	29·855	87·6	79·9	7·7	88·7	79·2	9·5	83·3	86·9	83·0	+1·1	74·7	77·3	77·1	76·4
	Diego Garcia						Register not received.															
	Seychelles	15	·957	·876	·081	·927	†−·009	·866	83·0	76·1	6·9	85·4	74·3	11·1	80·9	81·4	78·5	†+0·6	71·6	76·4	76·3	74·8
	Mauritius	181				·788	−·034	·915				89·1	68·1	21·0			77·9	−0·1				73·0

N.B.—Elevations in italics indicate barometrical determinations. ‡ Mean of 30 days. ¶ Observations of 4 days.

Note.—The barometric readings are not reduced to sea level, in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

A—*concluded.*

***in India, etc., in December, 1908*—concluded.**

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.										Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of subdivisions.
														Total number of 10 hrs. and 16 hrs. winds from																	
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Normal mean wind direction of month.	Average percentage.	Normal percentage.	Mean velocity in miles, per diem.	Normal.	Total rainfall for the month.	Heaviest rainfall during the month.		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
																															Hill Stations excluding Kashmir and Baluchistan.	
·115	·130	·157	·139	0	52	44	50	52	+ 4	3·1	4·8	4·0	0											S 12° E		7		98	0·70	0·67	Simla.	
	·143	·139				69	53			3·6	3·5	3·6		12	2	5		1	29	11	2		S 10° W		52		65*		1·30	1·20	Sarain.	
	·159	·118				85	65			4·3	4·8	4·6																			Kalabagh. ¶	
·129	·133	·158	·145	−·009	58	39	49	52	− 2	1·9	2·5	2·2	−0·9	17	3			6	36				S 6° E	S 51° W	61	16	104*	120	0·55	0·55	Chakrata.	
·098	·117	·150	·127		46	38	45	46		2·7	3·9	3·3		29			7	2	5	2	17		S 53 °W		21		126*		0·11	0·07	Muktesar.	
·170	·234	·217	·212	−·056	88	72	38	69	− 6	0·4	0·6	0·5	−2·1	9	1		16			1	35		N 89° W	N 72° W	32	43	15	22	0	0	Katma du.	
·140	·206	·240	·200	−·007	63	63	66	67	−13	2·5	3·4	3·0	−1·4	19		26		5		3	3	6	N 37° E	N 48° W	34	5	52*§	70	0	0	Darjeeling.	
·197	·270	·275	·252	−·030	74	54	41	63	+ 2	0·1	0	0·1	−2·1	27	4	18		2	1	3		7	N 22° E	N 27° E	31	20	44*	65	0	0	Pachmarhi.	
·160	·174	·181	·177	−·044	42	31	31	41	− 7	1·0	0·7	0·9	−0·9		6	13		14		13	3	13	N 24° W	N	9	10	117*	98	0	0	Mount Abu.	
·225	·247	·252	·246	−·061	58	40	36	52	− 5	0·6	0·5	0·6	−1·7	28	6	2			9	5		12	N 72° W	S 75° W	18	7	158*	120	0·60	0·31	Chikalda.	
·234	·284	·347	·292		85	53	67	67		5·0	5·9	5·5			12	11	11	13	10	1		4	N 80° E		24		70*		0·35	0·20	Ootacamund.	
·207	·273	·345	·275		64	57	73	65		4·4	5·7	5·1			9	9	15	8	11	1	3	6	N 83° E		31		298		1·77	0·90	Kodaikanal.	
·177	·210	·258	·219		56	48	60	54		5·0	6·1	5·6			9	15	13	15	8	1	1		N 89° E		53		342*		0·35	0·11	Dodabetta.	
																															Extra India.	
										2·6	3·5	3·1			17	37	7					I	N 37° E		89		70*		3·81	3·32	Minicoy.	
·794	·858	·800	·826	−·037	75	75	62	72	− 6	5·8	3·3	4·6	0	3	23	25	5	3	2	1			N 34° E	N 35° E	69	65	172*	151	0·45	0·43	Zanzibar.	
													Register		not	rece	ived														Diego Garcia.	
·724	·858	·839	·832	0	79	81	78	81	− 2	6·9	7·2	7·1	+0·3†	19	2		3	7	2		8	21	N 56° W	N 44° W	29	55	119	150	11·08	1·87	Seychelles.	
			·722	+·047				76	+ 5			6·8	+0·7										N 74° E	N 89° E			180	259	5·91	1·73	Mauritius.	

Departures from old normals.

§ Mean of 30½ days.

* Corrected.

Table B.—Abstract of observations taken at 8 hrs., at 239 stations in India, etc., in December, 1908.

(1) Provincial means.

(2) Data of stations.

(1) Provincial means based on the material in Table B (2) except that the statement of rainfall depends on the complete data of about 2,700 stations.

	Pressure departure from normal.	Temperature of air.								Wind.		Hygrometry.				Cloud.		Rainfall.		
		Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Absolute range during month.	Departure of velocity from normal.	Departure of steadiness from normal.	Mean humidity.	Departure from normal.	Mean vapour tension.	Departure from normal.	Mean cloud amount.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.
Burma	—·008	82·0	—1·0	60·4	0	71·2	—0·5	21·5	29·7	+0·2	+ 9	86	+ 3	·544	0	2·1	—0·7	0	0·26	—0·26
Eastern Bengal and Assam	+·008	77·3	+1·0	50·6	—3·3	64·0	1·2	26·7	34·8	—0·2	— 1	86	— 4	·400	—·052	1·1	—1·2	0	0·32	—0·32
Bengal	+·014	77·5	+0·4	50·0	—3·3	63·7	—1·5	27·6	36·6	—0·1	+ 4	73	— 6	·330	—·074	1·0	—0·4	0	0·15	—0·15
United Provinces of Agra and Oudh	+·013	75·1	+0·6	45·7	—1·7	60·4	—0·6	29·4	39·2	—0·2	— 5	73	— 4	·281	—·032	0·8	—0·9	0·05	0·37	—0·32
Punjab	+·013	70·8	—1·4	43·0	+0·1	57·0	—0·7	27·8	39·3	+0·5	+ 5	74	+ 3	·250	+·007	1·9	—1·0	0·17	0·46	—0·29
North-West Frontier Province	+·002	67·1	—3·0	39·4	—0·2	53·3	—1·6	27·7	42·6	—1·0	— 9	74	+ 3	·213	+·002	2·7	—0·5	0·94	0·49	+0·45
Sind	+·014	77·7	—1·0	51·7	+1·0	64·7	0	26·0	41·3	—1·1	+16	65	+ 6	·305	+·027	1·2	—1·2	0	0·11	—0·11
Rajputana	+·008	76·8	—1·2	46·3	—2·8	61·6	—2·0	30·6	45·0	—0·1	+17	57	— 2	·226	—·038	0·7	—1·7	0	0·33	—0·33
Bombay	+·006	83·6	—0·9	56·5	—2·6	70·1	—1·8	27·1	37·5	0	— 2	52	— 7	·330	—·075	0·7	—0·8	0	0·14	—0·14
Central India	—·003	76·6	—0·4	46·0	—2·1	61·3	—1·3	30·7	42·0	—0·9	+ 5	57	— 6	·247	—·050	0·7	—0·6	0·05	0·40	—0·35
Central Provinces	+·012	78·6	—1·2	49·2	—3·0	64·0	—2·1	29·4	40·7	0	+ 5	54	— 8	·251	—·080	0·7	—1·0	0·16	0·30	—0·14
Hyderabad	0	81·5	—2·0	54·6	—3·3	68·1	—2·7	27·0	36·5	—1·4	+ 9	55	— 8	341	—·080	1·4	+ 0·2	0	0·29	—0·29
Mysore	—·005	81·4	+1·3	57·9	—0·8	69·7	+0·3	23·5	33·5	+0·6	+ 5	71	— 2	·450	—·031	3·6	0	0·02	0·59	—0·57
Madras	+·003	84·5	—0·1	66·4	—1·3	75·4	—0·7	18·1	26·4	+1·8	+ 6	73	— 4	·586	—·064	4·1	+0·3	0·56	2·42	—1·86

Table

(2) *Abstract of observations taken at 8 hrs., at 239 stations*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	I.—Burma.																						
2	Mergui	56	29·919	—·023	29·997	29·996	10th	29·818	27th	·178	75·7	87·0	—0·3	68·3	+1·6	77·7	+0·7	18·7	90·9	24th	62·4	11th	28·5
	Tavoy	19	29·963	—·049	29·917	30·043	10th	29·886	27th	·157	72·8	88·3	+0·8	67·1	+2·3	77·7	+1·5	21·2	91·5	28th	57·8	11th	33·7
	Moulmein	94	29·924	—·018	29·957	30·005	10th	29·829	27th	·176	73·6	88·3	+1·1	63·4	+2·5	78·9	+1·8	18·9	92·0	21st & 29th.	64·3	10th, 11th & 14th.	27·7
	Rangoon	36	29·981	—·018	29·953	30·059	10th	29·881	27th	·188	70·9	87·7	+0·4	68·3	+1·0	78·0	+0·7	19·4	91·1	4 days	63·9	6th & 9th	27·2
	Bassein	27?	29·995	—·012	29·960	30·072	12th	29·909	27th	·163	68·4	85·2	+0·8	65·0	—0·1	75·1	+0·4	20·2	88·7	21st	59·4	7th	29·3
	Diamond Island	41	29·978	—·008	29·954	30·050	10th & 12th.	29·893	27th	·157	76·0	83·6	—0·3	72·6	+0·4	78·1	+0·1	11·0	86·4	21st	70·2	4th & 9th	16·2
	Tounoo	164	29·898†	+·011†	30·011†	29·916	23rd	29·883	29th	·033	65·7	81·8	—2·2	61·9‡	+1·1‡	72·3‡	—0·6	19·9	85·5	17th & 18th.	57·8	26th	27·7
	Kyaukpyu	18	30·021		29·983	30·101	12th & 13th.	29·914	27th	·187													
	Akyab	20	30·015	—·016	29·978	30·107	13th	29·932	27th	·175	62·8	79·4	—2·3	61·2	—2·8	70·3	—2·6	18·2	84·4	31st	57·8	28th	26·6
3	Thayetmyo	121	29·917§	+·011§	30·015§	30·009	10th & 12th.	29·857	27th	·152	65·4	82·6	—2·0	56·3	—2·0	69·5	—2·0	26·3	85·5	18th	51·9	6th	33·6
	Minbu	165	29·922	+·004	30·039	30·008	13th	29·826	27th	·182	63·1	80·3	—3·7	59·2	—0·8	69·8	—2·3	21·1	82·3	19th & 20th.	56·0	3rd, 6th & 26th.	25·3
	Yamethin	657	29·373‖?	—·025‖?	30·012‖?	29·447	13th	29·278	27th	·169	62·6	80·3	—4·7	58·2	+1·0	69·3	—1·9	22·1	84·3	21st	55·0	7th, 26th & 27th.	29·3
	Mandalay	250	29·828	+·009	30·040	29·905	12th	29·742	26th	·183	62·8	82·7	+0·4	56·9	—2·4	69·8	—1·0	25·8	85·5	17th	52·9	6th	32·6
	Monywa	280	29·827		30·016	29·920	13th	29·728	26th	·192	61·1	80·3		57·3		68·8		23·0	81·8	19th & 21th.	53·1	7th	28·7
	Lashio	2,751	27·250	—·005	27·196	27·340	12th	27·155	27th	·185	52·4	73·2	—0·5	47·3	—0·6	60·3	—0·6	25·9	76·8	21st	40·0	8th	36·8
	Bhamo	381	29·727	+·017	30·090	29·819	13th	29·636	26th	·183	52·7	75·3	—1·0	49·0	—1·7	62·2	—1·4	26·3	78·9	18th	44·1	25th	34·8
	Myitkyina	458	29·637		30·085	29·728	13th	29·545	26th	·183	55·7	75·2		48·6		61·9		26·6	78·2	18th	42·5	25th & 31st.	35·7
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	353	29·746		30·086	29·830	13th	29·677	26th	·153	51·2	71·1		47·5		60·8		26·6	78·1	3rd	43·6	8th & 9th.	34·5
	Sibsagar	333	29·807	+·022	30·122	29·899	12th	29·712	27th	·187	52·7	71·5	0	46·3	—4·1	58·9	—2·2	25·2	73·6	18th & 19th.	42·2	31st	31·4
	Tezpur	252	29·815		30·075	29·943	13th	29·772	26th	·171	52·8	75·9		50·6		63·3		25·3	77·6	4 days	47·9	7th & 10th,	29·7
	Gauhati	195	29·927		30·093	30·023	13th	29·851	26th	·172	53·0	77·2		48·0		62·6		29·2	78·5	4 days.	44·6	9th	33·9
	Dhubri	115	29·988	+·006	30·067	30·078	13th	29·922	19th	·156	57·4	74·5	+0·2	53·7	—1·4	64·1	—0·6	20·8	77·5	22nd	51·8	27th & 28th.	25·7
	Silchar	104	29·998	+·017	30·062	30·096	14th	29·943	29th	·153	56·4	79·8	+0·1	50·5	—1·5	65·2	—2·2	29·3	82·3	3rd	46·3	31st	36·0
5	Cox's Bazar	36	30·017		29·998	30·132	13th	29·938	27th	·194													
	Chittagong	87	29·982	+·006	30·023	30·076	13th	29·923	27th	·153	59·3	78·5	+0·4	52·9	—5·1	65·7	—2·4	25·6	82·1	3rd	49·4	24th	32·7
	Noakhali	43	30·035		30·027	30·134	13th	29·969	26th	·165	58·9	78·1		51·9		65·0		26·2	80·8	3d	48·4	29th	32·4
	Barisal	12	30·059	—·005	30·018	30·145	13th	29·987	26th	·158	61·2	78·2	+0·6	52·3	—3·8	65·3	—1·6	25·9	81·3	3rd	48·6	29th	32·7
	Comilla	36	30·039‖		30·023‖	30·145	14th	29·978	26th	·167	58·8	80·8		51·5		66·2		29·3	84·3	4th	48·3	31st	36·0
	Narayanganj	26	30·058	+·012	30·034	30·144	14th	30·008	26th	·136	58·4	78·9	+0·9	54·3	—3·0	66·7	—1·1	24·6	82·5	3rd	52·3	30th	30·2
	Faridpur	46	30·042		30·040	30·126	14th	29·978	26th	·148	58·2	77·8		50·5		64·2		27·3	81·3	3rd	47·4	28th	33·9
	Sirajganj	49	30·050‖		30·051‖	30·135	13th	29·990	26th	·145	57·2	77·7		52·3		65·0		25·4	82·3	3rd	49·8	5th & 6th	32·5
	Mymensingh	63	30·025	—·001	30·043	30·115	13th & 14th.	29·939	26th	·146	58·4	78·8	+2·6	52·6	—2·0	65·7	+0·3	26·2	82·1	3rd	48·6	4th & 6th	33·5
	Bogra	75	30·031	+·018	30·062	30·126	14th	29·965	26th	·161	59·7	78·0	+1·1	52·0	—2·0	65·0	—0·5	26·0	81·7	3rd	48·7	18th	33·9
	Rampur Boalia	70	30·032 ¶		30·055 ¶	30·125	14th	29·971	26th	·154	59·0‖	78·8‖		51·3‖		65·1‖		27·5	81·1	3rd & 27th	48·1	28th	33·0
	Malda	72	30·025		30·054	30·113	14th	29·943	26th	·170	57·0	76·0		49·1		62·6		26·9	78·3	25th	44·5	18th	33·8
	Dinajpur	123	29·973	+·004	30·060	30·080	13th	29·885	26th	·175	54·7	78·1	+1·2	46·9 **	—4·5	62·5 **	—1·7	31·2	80·8	3rd	42·5	18th	38·3
	Rangpur	123	29·991		30·077	30·080	14th	29·912	26th	·168	53·0	76·7		48·7		62·7		28·0	78·6	3rd & 27th	46·0	18th	32·6

N.B.—Elevations in italics indicate barometrical determinations.

‖ Mean of 29 days. ** Mean of 24 days.

¶ „ „ 28 „ † „ „ 8 „

‡ „ „ 20 „

NOTE.—The barometric readings are not reduced to sea level in the cases of hill or plateau

B.

in India, etc., in December, 1908.

Wind direction: Number of winds from Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity: Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness: Actual percentage.	Departure from normal.	Hygrometry, 8 hrs.: Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud: Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall: Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st December 1908.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																I.—Burma.
	3	2	1	1		1	1	8	13	N 52° W	N 14° E		1·8		82	— 3	80	+ 6	·899	+ ·033	0·9	−2·5	1	0·70	+0·30	0·48	0·38	+ 0·10	0·48	0·38	+ 0·10	0·40	Mergui.
31									(a)	N 30° E	1·0*	1·2	−0·2			85	+ 4	·691	+ ·042	0·9	−1·8	0	0·20	−0·20	0·04	0·06	− 0·02	0·04	0·06	− 0·02	0·02	Tavoy.
12	9	10	1	3	1				N 52° E	N 50° E	2·7	2·7	0	43	−14	84	+ 1	·696	+ ·051	0·9	−1·6	0	0·20	−0·20	0	0·05	− 0·05	0	0·05	− 0·05	0	Moulmein.
	19	12							N 17° E	N 44° E	4·7	4·5	+0·2	96	+24	79	− 4	·601	− ·018	2·4	+0·1	0	0·40	−0·40	0·04	0·09	− 0·05	0·04	0·09	− 0·05	0·04	Rangoon.
6	7	11	6	1					N 46° E	N 40° E	5·5	3·5	+2·0	66	+ 1	97	+12	·681	+ ·076	0·3	−2·0	0	0·50	−0·50	0	0·13	− 0·13	0	0·13	− 0·13	0	Bassein.
		20	1						N 46° E	N 42° E	12·6	8·9	+3·7	99	+13	71	− 3	·646	− ·021	2·3	−1·1	0	0·90	−0·90	0	0·70	− 0·70	0	0·70	− 0·70	0	Diamond Island.
2	12	7	4	1				5	N 17° E	N 10° W	2·2	2·1	+0·1	69	− 3	91	+ 2	·573	+ ·008	3·8	+1·5	0	0·40	−0·40	0	0·17	− 0·17	0	0·17	− 0·17	0	Toungoo.
	10	7	12		1		1		N 49° E		3·0			68						0·7		0			0						0	Kyaukpyu.
5	9	21	1						N 40° E	N 18° E	3·1	2·4	+0·7	79	− 3	92	+ 3	·527	− ·045	2·1	−0·2	0	0·70	−0·70	0	0·70	− 0·70	0	0·70	− 0·70	0	Akyab.
	14	17							N 25° E	N 16° E	3·0*	3·6	−0·6	96	+42	79	+ 2	·498	+ ·004	1·8	+0·1	0	0·40	−0·40	0	0·15	− 0·15	0	0·15	− 0·15	0	Thayetmyo
	2					2	27		N 45° W	N 50° W	4·6	6·9	−2·3	96	+22	79	+ 2	·456	− ·038	2·6	+0·5	0	0·30	−0·30	0	0·63	− 0·63	0	0·63	− 0·63	0	Minbu.
	10	1					20		N 28 W	N 12° W	3·1	3·4	−0·3	92	+51	89	+ 5	·503	− ·004	3·4	+2·3	0	0·70	−0·70	0	0·49	− 0·49	0	0·49	− 0·49	0	Yamethin.
30							1		N 45° W	N 4° W	1·5	1·9	−0·4	3	−33	83	− 4	·472	− ·062	3·1	+0·7	0	0·70	−0·70	0	0·29	− 0·29	0	0·29	− 0·29	0	Mandalay.
12	10						9		N 21° W		2·1			56		90		·490		2·5		0	0·30	−0·30	0	0·15	− 0·15	0	0·15	− 0·15	0	Monywa.
30							1		N 45° W		1·8*			3		95	+ 2	·377	− ·006	4·2	−2·1	1			0·18	0·66	− 0·48	0·18	0·66	− 0·48	0·13	Lashio.
31									(a)	N 1° E	1·0	1·6	−0·6			100	+ 7	·401	− ·021	0·5	−3·2	0	1·00	−1·00	0	0·42	− 0·42	0	0·42	− 0·42	0	Bhamo.
18	1	7	4	1					N 61° E		1·5*			37		89		·397		2·1		0			0			0			0	Myitkyina.
																																II.—Eastern Bengal and Assam.
31									(a)		1·0					97		·354		1·5		0	1·40	−1·40	0	0·76	− 0·76	0	0·76	− 0·76	0	Dibrugarh.
29	1	1							N 24° E	N 63° E	1·0	1·6	−0·6	7	−22	91	− 8	·355	− ·063	1·5	−3·8	0	1·90	−1·90	0	0·57	− 0·57	0	0·57	− 0·57	0	Sibsagar.
28		7							N 45° E		2·9			27		94		·376		0·7		0	1·00	−1·00	0	0·43	− 0·43	0	0·43	− 0·43	0	Tezpur.
30			1						E		1·1			3		98		·399		3·8		0	0·70	−0·70	0	0·24	− 0·24	0	0·24	− 0·24	0	Gauhati.
4		8	15	6					N 87° E	N 54° E	6·7§	4·6	+2·1	82	+10	88	− 3	·419	− ·028	0	−1·6	0	0·20	−0·20	0	0·07	− 0·07	0	0·07	− 0·07	0	Dhubri.
21			2	8					S 53° E	S 31° E	1·9	1·5	+0·4	33	+26	88	− 2	·407	− ·065	0·7	−3·3	0	0·80	−0·80	0	0·46	− 0·46	0	0·46	− 0·46	0	Silchar.
3	8	16	7						N 48° E		2·4*			76						0·3		0			0						0	Cox's Bazar.
7	6	18	1					1	N 32° E	N 32° E	1·8	2·8	−1·0	72	− 2	92	+ 2	·457	− ·066	0·5	−2·0	0	0·81	−0·81	0	0·85	− 0·85	0	0·85	− 0·85	0	Chittagong.
9	18	9					1		N 18° E		1·6			65		88		·439		0·7		0	0·48	−0·48	0	0·38	− 0·38	0	0·38	− 0·38	0	Noakhali.
9	11	5	1	1				4	N 9° E	N 11° E	1·4	1·6	−0·2	56	+38	88	+ 1	·478	− ·029	0·8	−0·4	0	0·52	−0·52	0	0·60	− 0·60	0	0·60	− 0·60	0	Barisal.
31									(a)		0·8					86		·434		0·3		0	0·45	−0·45	0	0·22	− 0·22	0	0·22	− 0·22	0	Comilla.
20	4	2	4			1	4		N 17° W	N 5° W	0·9	2·1	−1·2	27	−20	84	− 3	·412	− ·074	0·9	−1·4	0	0·44	−0·44	0	0·16	− 0·16	0	0·16	− 0·16	0	Narayanganj
18	8						5		N 18° W		1·3			42		85		·418		0·2		0	0·26	−0·26	0	0·08	− 0·08	0	0·08	− 0·08	0	Faridpur.
16	2	1	1		1	1	9		N 27° W		1·3			32		86		·405		2·2		0	0·39	−0·39	0	0·11	− 0·11	0	0·11	− 0·11	0	Sirajganj.
31									(a)	N 36° E	0·4	1·0	−0·6			87	− 4	·425	− ·044	3·1	+1·6	0	0·26	−0·26	0	0·05	− 0·05	0	0·05	− 0·05	0	Mymensingh.
12	13				2	4			N 17° W	N 1° W	1·4	1·4	0	56	+11	73	−12	·368	− ·053	0·3	+0·1	0	0·22	−0·23	0	0·02	− 0·02	0	0·02	− 0·02	0	Bogra.
21	7	1							N 7° E		1·2‖			28		69‖		·350‖		0·3‖		0	0·22	−0·22	0	0·06	− 0·06	0	0·06	− 0·06	0	Rampur Boalia.††
2	12	1					16		N 25° W		3·8			87		78		·367		0·2		0	0·19	−0·19	0	0·24	− 0·24	0	0·24	− 0·24	0	Malda.
8	2	9	3		1	4	4		N 10° E	N 12° E	1·5	1·9	−0·4	33	−21	96	0	·370	− ·040	0·4	−0·3	0	0·32	−0·32	0	0·04	− 0·04	0	0·04	− 0·04	0	Dinajpur.
21	1	4	3			1	1		N 39° W		0·7§			23		82		·389		0·4		0	0·23	−0·23	0	0·09	− 0·09	0	0·09	− 0·09	0	Rangpur.

(a) Indeterminate.
* Uncorrected.
§ Mean of 30 days
†† Wind observations less s.

stations, the elevations of which exceed 3,200 feet.

Table

(2) *Abstract of observations taken at 8 hrs., at 239 stations*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.											
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	II.—Eastern Bengal and Assam—*concld.*																						
	Jalpaiguri	283	29·812	—·003	30·072	29·914	13th	29·720	26th	·194	55·2	78·0	+2·8	50·2	−2·7	64·1	+0·1	27·8	80·4	2nd	47·4	8th	33·0
	Cooch Behar	156	29·954		30·077	30·045	14th	29·865	28th	·180	54·4	76·3		50·5		63·4		25·8	77·8	16th, 17th & 22nd.	47·1	8th	30·7
	III.—Bengal.																						
6	Saugor Island	25	30·070	+·004	30·041	30·151	12th	29·997	26th	·154	61·0	78·1	+1·8	56·9	−2·2	67·5	−0·2	21·2	82·0	27th	52·5	28th	29·5
	Midnapore	149	29·950		30·056	30·030	12th	29·871	26th	·159	58·9	80·2		52·5		66·4		27·7	84·3	27th	47·7	29th	36·6
	Calcutta	21	30·084	+·011	30·052	30·165	13th	30·009	26th	·156	58·3	78·3	+1·8	53·8	−2·7	65·8	−0·5	25·0	83·1	27th	49·7	19th, 20th & 28th.	33·4
	Jessore	33	30·060*	+·010*	30·042*	30·157	13th	29·986	26th	·171	59·0	77·7	+0·1	53·6	−1·3	65·7	−0·6	24·1	81·5	3rd	49·7	19th	31·8
	Krishnagar	47	30·045		30·045*	30·123	13th	29·969	26th	·154	53·8	78·5		50·1		64·3		28·4	82·1	27th	43·5	28th	38·6
	Burdwan	99	30·007	+·007	30·061	30·084	14th	29·933	26th	·151	58·4	79·8	+1·6	53·9	−2·1	66·2	−0·3	25·9	83·9	27th	49·8	28th	34·1
	Bankura	313	29·782		30·066	29·860	14th	29·703	26th	·157	58·9	78·4		51·8		65·1		26·6	82·1	27th	46·2	28th	35·9
	Raniganj	334	29·774		30·087	29·854	14th	29·691	26th	·163	54·9	78·2		50·3		64·3		27·9	82·5	27th	45·0	28th	37·5
	Berhampore	67	30·043	+·013	30·063	30·131	14th	29·964	26th	·167	56·6	76·5	0	52·9	−2·4	64·7	−1·2	23·6	80·1	27th	48·2	28th	31·9
	Naya Dumka	489	29·619*		30·103*	29·698	14th	29·571	29th	·127	57·1	76·2		48·5		62·4		27·7	79·9	3rd	42·5	28th	37·4
7	Balasore	50	30·068	+·011	30·066	30·152	12th	29·980	26th	·172	57·9	80·4	+0·4	52·1	−2·9	66·2	−1·3	28·3	85·4	27th	47·3	29th	38·1
	False Point	21	30·091	+·019	30·055	30·170	13th	30·013	26th	·157	60·6	77·7	−0·2	52·0	−5·3	64·9	−2·8	25·7	80·1	4 days	45·1	29th	35·0
	Cuttack	80	30·029	+·017	30·057	30·110	13th	29·967	26th	·143	58·4	79·6	−2·5	54·7	−4·0	67·2	−3·3	24·9	85·4	27th	50·7	19th & 23th.	34·7
	Puri	24	30·070		30·033	30·150	13th	29·991	26th	·159	63·5*	80·2*		58·5		69·4*		21·7	85·1	1st	54·1	28th	31·0
	Angul	455	29·643		30·088	29·718	12th & 13th.	29·564	26th	·154	58·1	78·9		50·5		64·7		28·4	83·1	26th & 27th.	47·0	22nd & 29th,	36·1
	Sambalpur	486	29·639	+·029	30·104	29·708	14th	29·558	26th	·150	59·1	78·7	−1·1	50·2	−3·8	64·5	−2·5	28·5	83·1	27th	44·6	30th	38·5
8	Chaibassa	*733*	29·356	+·018	30·097	29·434	13th	29·271	26th	·163	52·0	76·3	−1·4	48·9	−3·5	63·6	−2·5	29·4	83·8	27th	44·7	29th & 30th,	39·1
	Ranchi	2,128	27·925	+·020	30·111	27·990	14th	27·864	26th	·126	56·0	73·0	−0·7	49·8	−0·8	61·4	−0·8	23·2	78·2	25th	44·4	29th	33·8
	Purulia	*816*	29·258*		30·079*	29·339	14th	29·186	26th	·153	53·8	77·6		50·9		64·3		26·7	82·5	27th	45·6	28th	36·9
	Hazaribagh	2,007	28·042	+·014	30·093	28·113	14th	27·986	26th	·127	58·6	72·4	+0·2	48·9	−1·6	60·7	−0·7	23·5	77·7	25th	43·3	29th	34·4
	Daltonganj	*730*	29·398*		30·143*	29·481	14th	29·335	26th	·146	50·9	76·7		42·6		59·7		34·1	82·5	25th	37·5	28th & 29th.	45·0
9	Purnea	122	29·993*	+·017	30·082*	30·088	12th	29·900	26th	·188	48·3	77·6	+1·2	44·4	−5·3	61·0	−1·8	33·2	79·5	2nd & 3rd	40·7	28th	38·8
	Bhagalpur	160	29·966		30·087	30·040	14th	29·866	26th	·174	60·1	78·2		48·1		63·2		30·1	80·2	5 days	41·8	28th	38·4
	Monghyr	155	29·967*		30·084*	30·050	14th	29·905	26th	·145	57·9	76·1		51·1		63·6		25·0	79·9	26th & 27th.	47·9	28th & 29th,	32·0
	Darbhanga	165	29·946	+·014	30·079	30·033	14th	29·855	25th	·178	52·3	78·0	+3·5	44·7	−9·0	61·4	−2·8	33·3	81·1	26th	39·8	28th	41·3
	Pusa	188	29·922		30·080	30·007	14th	29·821	25th	·186	51·5	78·7		44·8		61·8		33·9	81·9	26th	40·1	28th	41·8
	Muzaffarpur	178	29·943		30·090	30·034	14th	29·798	26th	·236	54·9	76·6		45·3		61·0		31·3	80·2	26th	40·0	28th	40·2
	Motihari	224	29·895		30·099	29·890	14th	29·802	26th	·188	48·6	77·4		42·2		59·8		35·2	80·4	26th	38·8	28th	41·6
	Chapra	181	29·932		30·082	30·019	14th	29·849	26th	·170	51·7	74·8		47·8		61·4		27·0	78·2	26th	43·9	28th	34·3
	Patna	183	29·940	+·008	30·089	30·024	13th	29·851	26th	·173	56·5	74·3	+0·1	48·9	−2·7	61·6	−1·3	25·4	76·0	26th	43·7	28th	34·3
	Arrah	190	29·929		30·087	30·015	14th	29·846	26th	·169	52·7	76·7†		46·0		61·3†		30·7	79·9	1st	41·7	28th	38·2
	Buxar	239	29·874		30·087	29·963	14th	29·802	26th	·161	54·8	76·8		48·6		62·7		28·2	81·0	25th	43·1	28th, 29th & 30th.	37·9
	Dehri	351	29·756		30·087	29·836	14th	29·688	26th	·148	56·5	77·0		51·6		64·3		25·4	82·3	25th	46·0	29th	36·3
	Gaya	375	29·736	+·008	30·094	29·808	14th	29·659	26th	·149	53·5	76·5	+0·3	47·6	−3·9	62·0	−1·8	28·9	83·4	25th	42·7	24th	40·7
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·838	+·008	30·073	29·925	14th	29·759	26th	·166	53·6	75·8	+1·6	45·3	−5·1	60·6	−1·8	30·5	78·1	1st & 2nd	41·5	28th	36·6
	Benares	267	29·849	+·015	30·093	29·928	14th	29·789	24th	·139	53·1	76·1	+1·1	44·6	−3·6	60·4	−1·2	31·5	81·6	25th	39·1	28th	42·5
	Allahabad	309	29·811	+·017	30·100	29·889	14th	29·747	24th	·142	52·3	76·6	+0·9	45·6	−2·2	61·1	−0·7	31·0	80·6	23rd	39·5	28th	41·1

N.B.—Elevations in italics indicate barometrical determinations.

Note.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau

* Mean of 30 days.

† Mean of 29 days.

B—*continued.*

in India, etc., in December, 1908—continued.

Wind direction. Number of winds from Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st December 1908.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																II.—Eastern Bengal and Assam — *concld.*
22	3	1						5	N 21° W	N 12° E	0·5			27	—27	82	— 7	·365	—·067	0	—1·0	0	0·23	— 0·23	0	0·04	— 0·04	0	0·04	—0·04	0	Jalpaiguri.
27			3	1					S 76° E		1·0			13		88		·374		0·3		0	0·27	— 0·27	0	0·08	— 0·08	0	0·08	— 0·08	0	Cooch Behar
																																III.—Bengal.
	22	7	1					1	N 11° E	N 15° E	7·6	7·1	+0·5	92	+10	85	— 3	·453	—·070	1·7	—0·8	0	0·58	— 0·58	0	0·33	— 0·33	0	0·33	— 0·33	0	Saugor Island.
3	27							1	N 2° W		2·5			90		57		·285		0·5		0	0·28	— 0·28	0	0·20	— 0·20	0	0·20	— 0·20	0	Midnapore.
4	10	3	1					13	N 16° W	N 4° W	3·3‖	2·5	+0·8	72	+22	76	— 5	·377	—·065	1·0	—0·1	0	0·38	—0·38	0	0·22	— 0·22	0	0·22	— 0·22	0	Calcutta.
24	4	1						2	N 7° W	N 11° W	0·7	1·5	—0·8	20	—19	73	—13	·369	—·089	0·2	—1·0	0	0·35	— 0·35	0	0·18	— 0·18	0	0·18	— 0·18	0	Jessore.
22	3						1	5	N 36° W		1·4			29		83		·344		0·5		0	0·16	— 0·16	0	0·10	— 0·10	0	0·10	— 0·10	0	Krishnagar.
12	11						1	7	N 21° W	N 22° W	1·6	1·6	0	56	+17	67	— 4	·332	—·053	0·7	—0·7	0	0·23	—0·23	0	0·11	— 0·11	0	0·11	— 0·11	0	Burdwan.
22	1						5	3	N 67° W		2·0			23		56		·284		0·2		0	0·34	— 0·34	0	0·13	— 0·13	0	0·13	— 0·13	0	Bankura.
8							8	15	N 60° W		1·6			68		69		·304		0·5		0	0·26	— 0·26	0	0·08	— 0·08	0	0·08	— 0·08	0	Raniganj.
18	7				1			5	N 23° W	N 41° W	1·1	1·4	—0·3	37	— 3	78	— 8	·361	—·075	0·6	—0·8	0	0·34	— 0·34	0	0·11	— 0·11	0	0·11	— 0·11	0	Berhampore.
31									(*a*)		0·8					60		·287		0		0	0·33	— 0·33	0	0 16	— 0·16	0	0·16	— 0·16	0	Naya Dumka
	10	1					20		N 28° W	N 25° W	1·7	2·1	—0·4	92	+ 20	66	—16	·315	—·132	1·8	—0·3	0	0·52	— 0·52	0	0·18	— 0·18	0	0·18	— 0·18	0	Balasore.
	10	1					20		N 28° W	N 17° W	4·3	5·8	—1·5	92	+ 6	77	— 7	·410	—·105	2·7	+0·2	0	0·68	— 0·68	0	0·69	— 0·69	0	0·69	— 0·69	0	False Point.
16	1		1		6	6	1		S 76° W	N 48° W	1·3‖	1·2	+0·1	33	+19	77	+ 2	·381	—·063	2·3	+0·4	0	0·58	— 0·58	0	0·27	— 0·27	0	0·27	— 0·27	0	Cuttack.
	30	1							N 2° E		8·7			100		70*		·112*		1·5		0	0·61	— 0·61	0	0·65	— 0·65	0	0·65	— 0·65	0	Puri.
3				1	1	5	21		N 58° W		5·2			78		71		·351		1·1		0			0			0			0	Angul
	8	12	1	4	1	2		3	N 34° E	N 16° E	4·3	2·5	+1·8	53	—28	64	—10	·328	—·078	1·5	—0·2	0	0·30	— 0·30	0	0·24	— 0·24	0	0·24	— 0·24	0	Samba
7					1	18	5		S 52 W	S 68° W	1·9	1·0	+0·9	72	+32	76	— 1	·295	—·080	1·0	—0·1	0	0·65	— 0·65	0	0·10	— 0·10	0	0·10	— 0·10	0	Chaibassa.
15	2	1					5	8	N 50° W	N 68° W	5·0	4·3	+0·7	43	+ 4	55	—10	·250	—·059	1·1	— 0·1	0	0·48	— 0 48	0	0·09	— 0·09	0	0·09	— 0·09	0	Ranchi.
						2	21	8	N 22° W		3·3			90		73		·307		0·4		0	0·29	— 0·29	0·01	0·18	— 0·17	0·01	0·18	— 0·17	0·01	Purulia.
11	2			2	4		6	6	N 85° W	N 86° W	3·9	5·2	—1·3	30	—10	53	—12	·258	—·052	0·6	—0·8	0	0·52	— 0·52	0	0·20	— 0·20	0	0·20	— 0·20	0	Hazaribagh.
30			1						E		2·4			3		83		·313		1·0		0	0·55	— 0·55	0	0·29	— 0·29	0	0·29	— 0·29	0	Daltonganj.
29					1	1			S 66° W	S 88° W	0·1	1·5	—1·4	7	—12	88	— 3	·239	—·084	0·5	—0·4	0	0·23	— 0·23	0	0·10	— 0·10	0	0·10	— 0·10	0	Purnea.
17		1		3	5	5			S 53° W		1·7			32		61		·322		0·8		0	0·26	— 0·26	0	0·07	— 0·07	0	0·07	— 0·07	0	Bhagalpur.
5	1				7	14	4		S 87° W		3·3			71		79		·385		0·6		0			0			0			0	Monghyr.
23			1		1	5	1		W	N 86° W	0·9	2·0	—1·1	17	—13	84	— 2	·336	—·073	0·4	—0·1	0	0·23	— 0·23	0·02	0·07	— 0·05	0·02	0·07	— 0·05	0·02	Darbhanga.
16	2	6	6		1				N 59° E		1·9*			33		81		·311		0 6		0			00·4			0·04			0·04	Pusa.
27						2	2		N 72° W		1·3‖			10		75		·322		0·2		0	0·19	— 0·19	0	0·07	— 0·07	0	0·07	— 0·07	0	Muzaffarpur
31									(*a*)		1·4					93		·326		5·5		0	0·47	— 0·47	0	0 14	— 0·14	0	0·14	— 0·14	0	Motihari.
9	1			2	15	3			S 49° W		1·5			58		82		·315		1·9		0	0·29	— 0·29	0·02	0·09	— 0·07	0·02	0·09	— 0·07	0·02	Chapra.
3			2	10	12	4			S 29° W	S 78° W	1·9	1·9	0	76	+22	71	— 4	·330	—·042	0·5	—0·4	0	0·35	— 0·35	0	0·10	— 0·10	0	0·10	— 0·10	0	Patna.
22				3	6	1			S 84° W		0·9			29		79		·317		0·4		0	0·35	— 0 35	0·02	0·13	— 0·11	0·02	0·13	— 0·11	0·02	Arrah.
8	2	1	2	3	11	4			S 42° W		3·3			45		69		·297		0·5		0	0·45	— 0·45	0·05	0·20	— 0·15	0·05	0·20	— 0·15	0·05	Buxar.
		1	1	7	21	2			S 35° W		3·2			90		73		·343		0·8		1	0·44	+ 0·56	0·10	0·32	— 0·22	0·10	0·32	— 0·22	0·10	Dehri.
15			2	2	3	7	2		S 66° W	S 10° W	2·7	2·4	+0·3	33	+ 1	70	— 1	·288	—·054	1·2	—0·3	0	0·35	— 0·35	0·05	0·17	— 0·12	0·05	0·17	— 0·12	0·05	Gaya.
																																IV.—United Provinces of Agra and Oudh.
28		1	1				1		N 38° E	N 69° W	1·8‖	1·1	+0·7	3	—29	81	0	·331	—·043	0·6	—0·4	0	0·40	— 0·40	0	0·14	— 0·14	0	0·14	— 0·14	0	Gorakhpur.
22			1		5	3			S 51° W	S 56° W	1·5	2·3	—0·8	27	— 2	80	— 4	·323	—·032	0·4	—0·9	1	0·40	+0·60	0·19	0·21	— 0 02	0·19	0·21	— 0·02	0·19	Benares.
18		1			2	9	1		W	N 76° W	1·7	3·0	—1·3	34	+ 5	71	— 6	·285	—·068	0·7	—0·6	0	0·50	—0·50	0·04	0·24	— 0·20	0·04	0·24	— 0·20	0·01	Allahabad.

stations, the elevations of which exceed 5,000 feet.

(*a*) Indeterminat

‖ Uncorrected,

Table

(2) Abstract of observations taken at 8 hrs., at 239 stations

Number of subdivision.	Station.	Elevation of bar-ctern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IV.—United Provinces of Agra and Oudh—*concld.*																						
	Cawnpore	416	29·678	0	30·089	29·782	14th	29·604	21th	·158	50·8	76·6	+0·3	45·1	—2·5	60·9	—1·1	31·5	79·9	22nd, 23rd & 24th.	39·0	29th	40·9
	Lucknow	368	29·751†	+·029†	30·109†	29·834	14th	29·700	16th	·134	50·8	76·5	+0·8	44·1	—2·1	60·3	—0·7	32·4	80·0	26th	39·1	29th	40·9
	Bahraich	401	29·697‡	+·021‡	30·090‡	29·786	14th	29·634	6th	·152	51·0*	77·2	+2·2	45·7	—2·3	61·5	—0·1	31·5	80·1	31st	41·0	28th	39·1
11	Jhansi	835	29·297†	+·037†	30·143†	29·583	10th	29·144	24th	·239	51·5	77·8	—0·6	52·4	+0·5	65·1	—0·1	25·4	84·0	23rd	46·0	29th	38·0
	Agra	556	29·548	+·005	30·110	29·626	14th	29·422	24th	·204	51·4	73·3	—2·8	48·1	—0·7	60·7	—1·8	25·2	76·0	22nd	42·5	26th, 28th & 29th.	25·5
	Mainpuri	516	29·593*	+·023*	30·109*	29·676	14th	29·505	24th	·171	51·2	75·7	+0·6	46·0*	—1·3	60·9*	—0·4	29·7	81·3	23rd	39·6	29th	41·7
	Bareilly	568	29·505	+·004	30·083	29·589	14th	29·437	24th	·152	51·2	74·1	+1·3	45·4	—0·6	59·8	+0·4	28·7	77·3	23rd & 24th	39·0	28th	38·3
	Meerut	738	29·329	+·002	30·085	29·420	14th	29·225	24th	·195	48·3	73·7	+0·8	43·9	—0·8	58·8	0	29·8	79·6	24th	38·8	28th	40·8
	Roorkee	899	29·170	+·019	30·114	29·262	14th	29·081	24th	·181	46·8	71·8	—0·6	42·3	—1·2	57·0	—0·9	29·5	77·0	24th	36·9	17th	40·1
	Dehra Dun	2,233	27·800	+·007	30·121	27·892	14th	27·722	24th	·170	49·5	70·7	+2·0	45·7*	+0·1	58·1*	+1·1	25·0	75·0	2nd	39·5	27th	35·5
	V.—Punjab.																						
12	Delhi	718	29·369*	+·012*	30·108*	29·461	9th & 14th.	29·250	24th	·211	52·0	73·7	0	48·5	—0·4	61·2	—0·2	25·2	78·2	22nd	42·7	27th	35·5
	Sirsa	682	29·424	+·016	30·121	29·545	10th	29·262	24th	·283	47·7	73·3	—1·6	42·0	—0·7	57·7	—1·2	31·3	79·3	6th	34·6	27th & 29th.	44·7
	Patiala	*818*	29·267		30·120	29·424	12th	29·144	24th	·280	49·2	72·0		43·9		58·0		28·1	75·2	5th & 6th	38·0	28th	37·2
	Ambala	894	29·179	+·019	30·114	29·277	14th	29·074	24th	·203	48·0	72·8	+0·5	42·7	—0·8	57·7	—0·2	29·9	77·0	24th	38·5	30th	38·5
	Ludhiana	812	29·258	+·013	30·109	29·360	14th	29·078	24th	·282	47·0	70·3	—0·7	44·7	+0·7	57·5	0	25·6	75·6	6th	38·5	27th	36·5
	Lahore	702	29·374	+·001	30·114	29·477	10th	29·203	24th	·274	44·5	71·6	—1·6	41·8	+1·5	56·7	—0·1	29·8	76·4	2nd & 3rd	36·2	27th	40·2
	Sialkot	830	29·253	+·026	30·126	29·347	14th	29·099	24th	·248	48·3	69·3	—0·8	42·5	0	55·8	—0·4	26·8	74·2	2nd & 4th	38·1	27th	36·1
	Rawalpindi	1,674	28·388	+·002	30·180	28·488	10th	28·218	24th	·270	42·0	63·2	—4·1	37·2	+0·1	50·2	—2·2	26·0	72·9	4th	31·9	27th	41·0
13	Khushab	612	29·502	+·015	30·138	29·612	10th	29·304	24th	·308	49·7	71·1	—0·6	42·6	+0·7	56·9	+0·1	28·5	76·9	1st	34·9	23rd	42·0
	Montgomery	558	29·546	+·006	30·120	29·660	10th	29·352	20th	·308	49·3	71·5	—1·4	41·6	—1·4	56·6	—1·4	29·9	75·9	4 days	33·6	22nd	42·3
	Multan	420	29·714§	+·017§	30·136§	29·836	10th	29·510	20th	·325	50·5	70·6	—3·3	45·6	+1·2	58·1	—1·1	25·0	75·8	5th	37·6	24th	38·2
	VI.—North-West Frontier Province.																						
15	Peshawar	1,110	28·995	—·002	30·188	29·093	10th	28·833	24th	·260	43·1	64·2	—3·3	38·8	—0·2	51·5	—1·8	25·4	75·7	7th & 8th	32·9	21st	42·8
	D. I. Khan	590	29·588	+·006	30·137	29·645	10th	29·338	20th	·307	44·4	63·6	—2·6	40·0	—0·1	55·0	—1·4	29·6	75·9	1st & 2nd.	33·6	23rd	42·3
	VII.—Sind.																						
17	Jacobabad	186	29·952	+·015	30·116	30·067	10th	29·786	20th	·281	50·2	75·4	—1·3	44·6	+0·6	60·0	—0·4	30·8	80·1	13th	33·3	24th	46·8
	Hyderabad	96	30·037	+·006	30·094	30·144	10th	29·904	20th	·242	56·7	79·0	—0·1	51·0	—1·3	65·1	—0·7	28·0	84·6	15th	42·5	24th	42·1
	Kurrachee	13	30·133	+·022	30·087	30·224	10th	30·010	20th	·214	63·1	78·8	—1·5	59·5*	+3·6	69·1*	+1·1	19·3	88·5	14th	53·5	23rd & 28th.	35·0
	VIII.—Rajputana.																						
18	Bikaner	*771*	29·321	+·002	30·122	29·433	10th	29·155	20th	·278	50·7	73·5	—1·8	46·4	—4·9	60·0	—3·4	27·1	80·1	5th	38·0	25th	42·1
	Jodhpur	782	29·328‡	+·033‡	30·1.7‡	29·444	10th	29·202	20th	·240	55·2	78·2	—1·9	49·6	—3·6	64·0	—2·8	28·7	83·6	5th	36·3	26th	47·3
	Pachpadra	*380*	29·676‡	—·022‡	30·045‡	29·789	10th & 25th.	29·543	21st	·246	50·2	79·6	+1·3‡	40·7	—4·4	60·1	—1·6‡	38·9	84·7	14th	31·6	26th	53·1
19	Jaipur	1,431	28·649	+·001	30·130	29·753	10th	28·486	24th	·267	55·4	76·9	—0·8	47·8	—1·3	62·4	—1·1	29·1	81·2	6th	37·1	27th	44·1
	Sambhar	1,254	28·827	+·010	30·146	29·938	10th	28·660	24th	·278	46·8	75·4	—0·6	43·5	—2·8	59·5	—1·7	31·9	80·4	24th	34·5	27th	45·9
	Ajmer	1,611	28·474	+·003	30·166	29·582	10th	28·330	24th	·252	48·4	75·1	—1·2	46·5	+0·9	60·8	—0·2	28·6	80·4	24th	33·2	28th	41·2
	Kotah	819 †	29·261	+·013	30·135	29·367	28th	29·098	24th	·269	56·9	76·4	—1·1	50·7	—3·5	64·6	—2·3	27·7	84·0	24th	45·1	28th & 28th.	38·9
	Udaipur	1,925	28·155	+·018	30·142	28·252	10th	28·011	24th	·241	55·0	77·2	—1·1	44·8	—4·3	61·1	—2·7	32·5	83·5	6th	36·3	28th	47·2

N.B.—Elevations in italics indicate barometrical determinations.

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau station, the elevations of which exceed 5,200 feet.

* Mean of 30 days. † Mean of 29 days. ‡ Mean of 24 days.

B—*continued.*

in India, etc., in December, 1908—continued.

Wind direction.											Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.								Heaviest rainfall during month.	Station.
Number of winds from									Resultant direction.	Normal direction.	Mean velocity miles per hour.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st December 1908.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December 1908.		
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																							
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IV.—United Provinces of Agra and Oudh—*contd.*
19			1	1			3	6	1	S 73° W	N 82° W	1·6	2·4	−0·8	23	− 6	75	− 4	·273	−·051	0	−1·3	0	0·60	−0·60	0	0·17	−0·17	0	0·17	−0·17	0	Cawnpore.
26							2		3	N 79° W	N 76° W	1·0	1·7	−0·7	13	−16	77	− 5	·290	−·044	0·4	−1·2	0	0·80	−0·80	0	0·38	−0·38	0	0·38	−0·38	0	Lucknow.
19	1		2		1	3	2	3		W	N 51° W	1·2*	1·5	−0·3	14	−10	85†	+ 3	·3 3†	−·028	0·3	−0·5	0	0·70	−0·70	0	0·34	−0·34	0	0·34	−0·34	0	Bahraich.
19				1	3	6	1	1	S 36° W	N 79° W	3·3	2·0	+1·3	30	+12	47	−10	·260	−·033	0·1	−1·0	0	0·80	−0·80	0·05	0·24	−0·19	0·05	0·24	−0·19	0·05	Jhansi.
6		1	4	4	1	9	3	3	S 29° W	N 61° W	3·4	2·9	+0·5	30	− 6	66	− 2	·254	−·031	0·6	−0·9	0	0·60	−0·60	0·02	0·29	−0·27	0·02	0·29	−0·27	0·02	Agra.
8	2	1	3	1	1	1	13	1	N 84° W	N 66° W	2·2	1·1	+1·1	33	+ 9	69*	− 4	·261*	−·030	0·4	−1·9	0	0·60	−0·60	0	0·34	−0·34	0	0·34	−0·34	0	Mainpuri.
28	1		1				2	3	N 45° W	N 44° W	1·3	1·6	−0·3	13	− 1	72	− 9	·277	−·029	0·8	−0·6	1	0·64	+0·36	0·20	0·33	−0·13	0·20	0·33	−0·13	0·20	Bareilly.
23	1			1			4	1	N 76° W	S 89° W	0·7	1·5	−0·8	13	−15	80	+ 5	·273	+·012	1·1	−0·9	1	0·90	+0·10	0·20	0·48	−0·28	0·20	0·48	−0·28	0·20	Meerut.
27				1				3	N 45° W	N 39° W	1·3	1·4	−0·1	3	− 4	81	− 3	·261	−·018	1·5	−0·6	0	1·30	−1·30	0·09	0·61	−0·52	0·09	0·61	−0·52	0·09	Roorkee.
31										(a)	S 76° W	0·6‖	1·2	−0·6			68	− 7	·246	−·022	2·8	−0·8	1	1·40	−0·40	0·20	0·80	−0·60	0·20	0·80	−0·60	0·11	Dehra Dun.
																																V.—Punjab.
3	1			4	1	1	19	2	S 84° W	N 87° W	3·6	2·5	+1·1	59	+15	68	+ 7	·265	+·015	1·3	−1·1	0	1·10	−1·10	0	0·53	−0·53	0	0·53	−0·53	0	Delhi.
17	2	2	2	3			3	2	N 22° E	N 84° W	2·0	2·8	−0·8	19	+ 3	72	+ 3	·237	0	1·2	−1·8	0	0·80	−0·80	0	0·31	−0·31	0	0·31	−0·31	0	Sirsa.
7	1	1	2	2	1		2	9	N 18° W		4·0			42		75		·262		2·2		1			0·20			0·20		0·20	Patiala.
16			1	2			1	11	N 45° W	N 44° W	3·4	1·5	+1·9	27	+ 7	78	− 4	·262	−·015	2·5	+0·1	1	1·20	−0·20	0·22	0·82	−0·60	0·22	0·82	−0·60	0·22	Ambala.
15	1	2		2			2	5	N 32° W	N 47° W	1·2	1·3	−0·1	20	+ 3	76	0	·248	−·012	1·4	−2·4	0	0·90	−0·90	0·11	0·78	−0·67	0·11	0·78	−0·67	0·06	Ludhiana.
18	1			4			5	3	N 86° W	N 58° W	1·7	1·3	+0·4	14	+ 7	86	+ 3	·256	+·004	2·3	−0·6	2	0·90	+1·10	0·30	0·38	−0·08	0·30	0·38	−0·08	0·20	Lahore.
27			3				1	N	N 73° E	N 63° E	0·9	0·9	0	7	0	78	+ 4	·270	+·023	2·3	−0·3	1	1·10	−0·10	1·25	0·52	+0·73	1·25	0·52	+0·73	1·10	Sialkot.
24	2	2		1		1	1		N 11° E	N 41° W	1·8	1·3	+0·5	6	− 3	80	+ 6	·216	+·006	4·3	+0·7	3	1·60	+1·40	1·19	0·74	+0·45	1·19	0·74	+0·45	0·82	Rawalpindi.
9	1	10		1	1	2	3	1	N 18° E	N 27° E	3·6	2·1	+1·5	30	+16	70	+10	·254	+·055	2·0	−0·7	0	0·40	−0·40	0	0·54	−0·54	0	0·54	−0·54	0	Khushab.
5	4	2	5	4	2	1	2	4	N 51° E	N 68° E	3·2	2·6	+0·6	23	+ 5	62	− 3	·219	−·011	1·1	−1·6	0	0·60	−0·60	0	0·42	−0·42	0	0·42	−0·42	0	Montgomery.
26		5								N 45° E	N 53° E	0·9	1·1	−0·2	20	+ 2	72	+ 2	·265	+·004	0·6	−1·9	0	0·70	−0·70	0	0·19	−0·19	0	0·19	−0·19	0	Multan.
																																VI.—North-West Frontier Province.
30		1								N 45° E	S 16° W	0·4	2·3	−1·9	3	−26	71	+ 1	·202	−·003	3·6	−0·2	2	1·10	+0·90	0·73	0·33	+0·40	0·73	0·33	+0·40	0·44	Peshawar.
22		3				1	5		N 23° W	N 32° W	0·7	0·8	−0·1	20	+ 9	76	+ 5	·221	+·007	1·8	−0·8	0	0·80	−0·80	0·04	0·21	−0·17	0·04	0·21	−0·17	0·04	D. I. Khan.
																																VII.—Sind.
13	10	3					5		N 6° W	N 7° E	2·3	1·6	+0·7	53	+39	69	+ 6	·255	+·014	1·9	−0·9	0	0·40	−0·40	0·02	0·09	−0·07	0·02	0·09	−0·07	0·02	Jacobabad.
6	12	4	1			2		6	N 6° W	N 2° E	4·5	7·0	−2·5	59	+ 3	63	+ 9	·295	+·029	1·3	−1·0	0	0·20	−0·20	0	0·05	−0·05	0	0·05	−0·05	0	Hyderabad.
	3	20	7				1		N 49° E	N 54° E	7·0	8·4	−1·4	39	+ 7	62	+ 3	·366	+·037	0·5	−1·7	0	0·40	−0·40	0	0·12	−0·12	0	0·13	−0·13	0	Karrachee.
																																VIII.—Rajputana.
2	3	4	4	2	4	4	3	5	N 45° W	N 4° W	4·7¶	3·3	+1·4	3	−19	54	− 2	·201	−·040	1·6	−1·0	0	0·40	−0·40	0	0·17	−0·17	0	0·17	−0·17	0	Bikaner.
21	10	12	4	2	1				N 41° E		3·7			69	+26	53	− 1	·192		1·1		0	0·50	−0·50	0	0·15	−0·15	0	0·15	−0·15	0	Jodhpur.
29	1		1						N 45° E		0·7	3·2	−2·5	5		55	− 5	·203	−·049	0	−2·5	0	0·40	−0·40	0	0·12	−0·12	0	0·12	−0·12	0	Pachpadra.
5	5	9	7	3	1			1	N 59° E	N 2° W	3·1‖	2·9	+0·2	56	+34	51	−11	·226	−·043	0·6	−1·6	0	0·70	−0·70	0	0·19	−0·19	0	0·19	−0·19	0	Jaipur.
17	5	8	1						N 32° E	N 45° E	3·3	3·3	0	43	+25	67	+ 3	·217	−·031	0·1	−2·1	0	0·80	−0·80	0	0·35	−0·35	0	0·35	−0·25	0	Sambhar.
22	3			1				5	N 26° W	N 24° E	2·1	1·6	+0·5	23	+19	72	− 2	·248	−·027	0·7	−1·4	0	0·60	−0·60	0	0·27	−0·27	0	0·27	−0·27	0	Ajmer.
27	3			1			1		N		1·4			6		59†	+ 1	·276†		0·6		0	0·80	−0·80	0·02	0·36	−0·34	0·02	0·36	−0·34	0·02	Kotah.
30							1		N 45° W		1·8			3		56	+ 1	·245		0·5		0	0·50	−0·50	0	0·14	−0·14	0	0·14	−0·14	0	Udaipur.

§ Mean of 27 days.
¶ Mean of 26 days.

‖ Uncorrected.

(a) Indeterminate.

Table

(2) *Abstract of observations taken at 8 hrs., at 239 stations*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean, between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	IX.—Bombay.																						
20	Deesa	466	29·620	+·008	30·071	29·711	10th	29·496	23rd	·215	57·8	84·9	−0·5	48·7	−4·0	66·9	−2·3	36·2	88·8	6th, 7th & 14th.	40·4	26th	48·4
	Bhuj	385	29·713	+·028	30·082	29·799	10th	29·613	21st	·186	61·9	78·0	−4·2?	52·9	−3·2	65·5	−3·7?	25·1	85·6	15th	46·0	24th	39·6
	Jamnagar	61	30.062		30·068	30·145	25th	29·963	23rd	·182	63·2	78·0		52·6		65·3		25·4	82·4	14th	39·6	26th	42·8
	Dwarka	37?	30·080		30·064	30·162	25th	29·987	23rd	·175	66·9	80·0		58·4		69·2		21·6	85·3	20th	52·2	26th & 27th.	33·1
	Rajkot	429	29·659	+·021	30·063	29·740	25th	29·561	23rd	·179	61·5	83·5	−1·9	50·6	−2·3	67·1	−2·1	32·9	87·9	14th, 15th & 18th.	42·0	25th	45·9
	Veraval	*18*	30·062	+·016	30·022	30·142	13th	29·971	23rd	·171	65·7	83·5	−0·6	59·8	−2·2	71·7	−1·4	23·7	89·7	1st	52·3	25th	37·4
	Bhavnagar Para	55	30·050	0	30·049	30·127	13th	29·926	23rd	·201	59·8	84·4	−0·6	51·2	−7·0?	67·8	−3·8?	33·1	87·6	5th., 7th & 15th.	40·5	26th	47·1
	Surat	39	30·032	+·005	30·018	30·118	13th	29·937	23rd	·181	61·6	86·6	−0·8	56·0	−1·7	71·3	−1·3	30·6	90·1	7th	49·6	25th	40·5
	Ahmedabad	163	29·934	+·015	30·056	30·015	12th	29·807	23rd	·208	61·8	85·4	−0·5	56·3	−3·8	70·9	−2·2	29·1	89·6	15th	49·7	25th	39·9
26	Bombay	37	30·014	+·003	29·992	30·111	13th	29·944	23rd	·167	70·4	83·9	−0·6	68·0	−1·7	76·0	−1·2	15·9	87·0	28th	64·5	25th	22·5
	Ratnagiri	110	29·913	+·007	29·965	30·021	13th	29·845	28th	·176	73·3	88·8	−0·7	64·3	−2·9	76·6	−1·8	24·5	93·8	28th	59·9	31st	33·9
	Goa	199	29·808	−·024	29·850	29·925	13th	29·732	31st	·193	72·5	83·4	−4·0	69·3	0	76·4	−2·0	14·1	86·6	28th	66·1	8th, 9th & 13th.	20·5
	Mormugao	*60*	29·860	−·008	29·956	30·072	13th	29·893	31st	·179	70·9	84·3	−2·0	68·0	−2·3	76·2	−2·2	16·3	88·0	28th	64·7	30th	23·3
	Karwar	44	29·982	+·011	29·961	30·093	13th	29·917	31st	·176	68·2	87·4	−0·3	64·0	−2·2	75·7	−1·3	23·4	91·3	28th	60·0	8th & 30th.	31·3
27	Malegaon	1,430	28·636	+·006	30·096	28·720	13th	28·522	24th	·197	58·0	84·5	+0·3	47·3	−4·0	65·9	−1·9	37·2	89·4	21st	42·1	26th	47·3
	Ahmednagar	2,154	27·912	+·009	30·093	27·997	13th	27·841	23rd	·156	60·8	81·9	−1·1	48·9	−2·6	65·4	−1·9	33·0	84·4	8th & 9th.	43·0	3rd & 19th.	41·4
	Poona	1,946	28·206	+·002	30·084	28·305	13th	28·114	23rd	·191	58·9	82·9	−1·4	47·9	−5·9	65·4	−3·7	35·0	86·0	21st & 24th.	42·8	17th	43·2
	Sholapur	1,590	28·458	+·002	30·055	28·539	13th	28·380	24th	·159	65·1	84·1	−1·4	55·4	−2·1	69·8	−1·8	28·7	87·3	27th	48·9	19th	38·4
	Bijapur	*1,948*	28·083	−·008	30·041	28·179	13th	28·007	24th	·172	65·1	84·9	+0·9	54·5	−1·5	69·7	−0·3	30·4	87·7	25th	48·2	3rd	39·5
	Belgaum	2,539	27·481	+·006	30·004	27·568	13th	27·414	23rd	·154	66·8	81·2	−0·4	55·9	−2·2	68·5	−1·3	25·3	84·3	24th & 27th.	50·1	19th	34·2
	X.—Central India.																						
21	Neemuch	1,634	28·448	+·004	30·128	28·545	10th	28·301	24th	·244	54·9	77·8	−0·6	45·0	−4·5	61·4	−2·6	32·8	82·0	6th, 15th & 24th.	37·8	26th, 27th & 28th.	44·2
	Indore	1,823	28·255?	+·029?	30·114?	28·339	10th	28·133	24th	·206	60·3	79·1	−0·2	47·7	−1·6	63·4	−0·9	31·4	82·6	22nd	39·1	27th	43·5
22	Nowgong	754	29·335	−·006	30·107	29·417	14th	29·201	24th	·216	51·5	74·3	−0·9	44·9	−1·5	59·6	−1·2	29·4	79·5	23rd	39·0	28th	40·5
	Sutna	1,040	29·030	−·007	30·103	29·105	10th	28·944	24th	·161	52·9	75·2	+0·1	46·2	−0·9	60·7	−0·4	29·0	79·5	23rd & 25th.	39·7	28th	39·8
	XI.—Central Provinces.																						
23	Buldana	2,132	27·931		30·077	27·998	12th	27·826	24th	·172	64·3	78·5		55·2		67·0		23·3	82·5	21st	50·4	28th & 29th.	32·1
	Akola	930	29·152	+·010	30·090	29·228	13th	29·047	24th	·181	59·3	83·0	−0·6	48·7	−2·7	65·9	−1·7	34·3	86·8	8th	42·1	28th	44·7
	Amraoti	1,215	28·862	+·014	30·085	28·935	13th	28·756	24th	·179	62·6	81·2	−1·5	54·6	−2·2	67·9	−1·9	26·6	83·8	7th, 8th & 11th.	48·3	28th	35·5
24	Khandwa	1,044	29·035‡	+·014‡	30·107‡	29·115	12th	28·905	24th	·210	52·8	83·2	+0·2	47·1	−3·1	65·1	−1·5	36·1	87·2	21st & 25th.	38·1	28th	49·1
	Hoshangabad	1,006	29·091	+·012	30·128	29·172	13th	28·947	24th	·225	53·0	78·3	−1·0	47·4	−4·3	62·9	−2·7	30·9	81·6	9th, 10th & 22nd.	39·4	28th	42·2
	Saugor	1,807	28·258‡	+·005‡	30·105‡	28·336	13th	28·157	24th	·179	58·9	75·3	−1·4	52·3	+0·4	63·8	−0·5	23·0	81·1	22nd	45·5	28th	35·6
	Jubbulpore	1,327	28·749	+·007	30·132	28·818	13th	28·650	24th	·168	49·7	75·4	−1·5	43·5	−2·5	59·5	−2·0	31·9	80·0	10th, 23rd & 24th.	36·3	28th	43·7
	Seoni	2,033	28·038	+·013	30·124	28·105	13th	27·951	24th	·154	56·5	76·6	−1·1	45·3	−4·5	61·0	−2·8	31·3	80·8	7th, 21st & 25th.	39·9	27th, 28th & 29th.	40·9
	Nagpur	1,017	29·065	+·015	30·096	29·141	13th	28·978	24th	·168	58·1	80·1	−1·2	50·0	−4·3	65·1	−2·8	30·1	85·6	25th	44·6	28th	41·0
25	Pendra	2,123?	28·033		30·126	28·103	14th	27·965	23rd	·148	55·5	74·0		47·6		60·8		26·4	78·8	22nd	40·7	28th	38·1
	Raipur	970	29·120	+·019	30·106	29·199	14th	29·064	24th	·145	54·9	77·3	−1·9	51·4	−2·7	64·4	−2·3	25·9	83·7	25th	46·1	28th & 29th.	37·6
	Chanda	*634*	29·449	+·007	30·069	29·524	13th	29·348	24th	·176	57·7	80·4	−2·1	47·6	−4·2	64·0	−3·2	32·8	87·5	25th	40·0	28th	47·5

N. B.—Elevations in italics indicate barometrical determinations.

Note 9.—The barometric readings are not reduced to standard, in the

B—*continued.*

***in India, etc., in December, 1908*—continued.**

Wind direction. Number of winds from: Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity, miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs., in inches of mercury.	Departure from norma, in inches of mercury.	Cloud. Mean cloud amount at 8 hrs.	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st December 1908.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December 1908.	Heaviest rainfall during month.	Station.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																IX.—Bombay.
4	3	18	5				1		N 47° E	N 72° E	*7·1	8·0	−0·9	76	+ 4	45	− 2	·220	−·038	0·5	−1·3	0	0·09	−0·09	0	0·06	−0·06	0	0·06	−0·06	0	Deesa.
16	2	1	1	3		3		5	N 41° W	N 15° W	5·1	5·8	−0·7	10	+ 3	57	+ 2	·320	−·021	0·8	−0·8	0	0·20	−0·20	0	0·07	−0·07	0	0·07	−0·07	0	Bhuj.
3		5	19	2	2				N 89° E		3·8			77		50		·297		0		0			0			0			0	Jamnagar.
1	13	10	3					4	N 18° E		9·9			79		67		·450		0·5		0			0			0			0	Dwarka.
5	8	4	9	4				1	N 58° E	N 69° E	4·6	4·7	−0·1	53	+ 3	42	−11	·232	−·092	0	−1·0	0	0·20	−0·20	0	0·04	−0·04	0	0·04	−0·04	0	Rajkot.
	16	12	1					2	N 17° E	N 27° E	7·6	5·7	+1·9	92	+17	46	− 5	·294	−·068	0·1	−1·9	0	0·40	−0·40	0	0·09	−0·09	0	0·09	−0·09	0	Veraval.
1	2					1	7	20	N 54° W	N 77° W	2·9	6·3	−3·4	87	+29	40	−22?	·207	−·164?	0·3	−1·1	0	0·10	−0·10	0	0·07	−0·07	0	0·07	−0·07	0	Bhavnagar, Para.
4	7	4	7	4	1		1	3	N 49° E	N 48° E	3·9	4·4	−0·5	43	−15	57	− 5	·320	−·079	0·1	−1·2	0	0·10	−0·10	0	0·01	−0·01	0	0·01	−0·01	0	Surat.
	3	25	2					1	N 41° E	N 62° E	4·6	4·7	−0·1	92	+18	44	− 5	·243	−·069	0·1	−1·4	0	0·10	−0·10	0	0·07	−0·07	0	0·07	−0·07	0	Ahmedabad.
	1	14	14	2					N 69° E	N 70° E	*9·1	9·7	−0·6	86	0	69	− 3	·514	−·074	0·5	−1·2	0	0·10	−0·10	0	0·06	−0·06	0	0·06	−0·06	0	Bombay.
1		2	12	1					N 87° E	S 74° E	†12·0	8·0	+4·0	88	+23	481‡	− 5	·391‡	−·077?	0	−1·4	0	0·10	−0·10	0	0·05	−0·05	0	0·05	−0·05	0	Ratnagiri.††
	2	16	12	1					N 62° E	N 75° E	5·3	4·5	+0·8	86	− 6	66	+ 2	·524	−·035	2·0	+0·6	0			0	0·06	−0·06	0	0·06	−0·06	0	Goa.
1	3	14	12					1	N 57° E	S 77° E	*7·9	7·9	0	82	+ 2	71	− 5	·540	−·081?	2·0	+1·1	0			0	0	0	0	0	0	0	Mormugao.
23	4	3						1	N 12° E	N 67° E	3·3	3·0	+0·3	23	−57	68	− 7	·474	−·066	1·0	−0·1	0	0·10	−0·10	0	0·07	−0·07	0	0·07	−0·07	0	Karwar.
26						1	4		S 81° W	N 69° W	4·0	4·3	−0·3	17	−44	35	−23	·169	−·162	0	−2·0	0	0·50	−0·50	0	0·26	−0·26	0	0·26	−0·26	0	Malegaon.
9	1		1	4	6	3	2	5	S 31° W	N 81° E	6·5	5·4	+1·1	23	+18	39	−24	·213	−·165	0·4	−1·1	0	0·90	−0·90	0	0·50	−0·50	0	0·50	−0·50	0	Ahmednagar
19	1		7	3				1	S 87° E	N 88° E	*5·9	6·0	−0·1	27	+ 5	§2	− 4	·258§	−·073	0·6	−1·3	0	0·50	−0·50	0	0·19	−0·19	0	0·19	−0·19	0	Poona.
4	1	7	8	11					S 85° E	S 74° E	9·2	7·9	+1·3	69	+ 1	47	− 2	·292	−·054	2·1	+0·1	0	0·50	−0·50	0	0·43	−0·43	0	0·43	−0·43	0	Sholapur.
11	1	4	5	5	1			1	E	S 67° E	2·3	3·8	−1·5	34	−35	50	−22	·317	−·160?	1·1	−0·5	0	0·50	−0·50	0	0·03	−0·03	0	0·03	−0·03	0	Bijapur.
1	3	8	13	4		1		1	N 74° E	S 81° E	‖11·2	12·1	−0·9	69	− 7	51	− 6	·333	−·050	1·0	−0·6	0	0·40	−0·40	0	0·12	−0·12	0	0·12	−0·12	0	Belgaum.
																																X.—Central India.
9	9	7	1	1	1		2	1	N 17° E	N 58° E	3·9	5·8	−1·9	46	−19	49	− 4	·215	−·052	0·8	−0·6	0	0·60	−0·60	0	0·28	−0·28	0	0·28	−0·28	0	Neemuch.
11	1	5	5	8		1			S 82° E	N 68° E	2·0	1·8	+0·2	43	+25	46	−13	·248	−·062	0	−1·4	0	0·50	−0·50	0	0·20	−0·20	0	0·20	−0·20	0	Indore.
10		2	2		6	4	7		S 41° W	N 76° W	1·5	1·1	+0·4	30	+16	71	− 3	·272	−·046	0·7	−0·5	0	0·70	−0·70	0·06	0·55	−0·49	0·06	0·55	−0·49	0·06	Nowgong.
18							6	7	N 65° W	N 24° W	1·1	3·4	−2·3	40	− 4	62	− 5	·253	−·040	1·3	+0·3	1	0·90	+0·10	0·15	0·43	−0·28	0·15	0·43	−0·28	0·15	Sutna.
																																XI—Central Provinces.
	1		6	19	4			1	S 50° E		4·5	5·5	−1·0	78		35		·214		0·6		0			0	0·59	−0·59	0	0·59	−0·59	0	Buldana.
11		1	8	9	5	1		1	S 55° E	S 85° E	3·0	3·2	−0·2	40	− 4	47	− 9	·241	−·074	0·5	−1·3	0	0·70	−0·70	0	0·75	−0·75	0	0·75	−0·75	0	Akola.
	1	13	14	1				1	N 65° E	N 72° E	5·0	4·0	+1·0	86	+14	42	− 9	·238	−·089	0·8	−0·9	1	0·60	+0·40	0·90	0·57	+0·33	0·90	0·57	+0·33	0·90	Amraoti.
25			2	4					S 59° E	N 63° E	2·1	2·7	−0·6	20	−12	49	− 8	·202	−·098	0·4	−0·9	0	0·50	−0·50	0	0·43	−0·43	0	0·43	−0·43	0	Khandwa.
6		6	17	2					N 83° E	N 63° E	2·1	2·6	−0·5	76	+11	63	− 6	·257	−·072	0·4	−1·2	1	0·60	+0·40	1·33	0·53	+0·80	1·33	0·53	+0·80	1·33	Hoshangabad
7	1	1	4	14	2		1	1	S 53° E	S 77° E	4·4	2·8	+1·6	53	+21	451	−13	·225‡	−·069	0·5	−0·6	0	0·80	−0·80	0	0·70	−0·70	0	0·70	−0·70	0	Saugor.
13			1	8	8	1			S 22° E	S 41° E	1·2	1·6	−0·4	49	+13	72	− 2	·269	−·084	0·4	−1·2	1	0·60	+0·40	0·50	0·33	+0·17	0·50	0·33	+0·17	0·50	Jubbulpore.
16	5	6	1	1	1			1	N 32° E	N 30° E	3·6	2·2	+1·4	33	− 9	55‡	−12	·252‡	−·092	1·3	−0·3	0	0·90	−0·90	0	0·52	−0·52	0	0·52	−0·52	0	Seoni.
4	18	2	2			2	3		N 2° W	N 7° E	2·4	3·0	−0·6	72	+43	52	− 8	·260	−·093	1·3	−0·7	1	0·70	+0·30	0·67	0·48	+0·19	0·67	0·48	+0·19	0·67	Nagpur.
14	8	2					7		N 14° W		3·6			49		56		·249		0·8		1			0·19			0·19			0·19	Pendra.
23	2	3		1		1		1	N 23° E	N 14° E	1·7	2·5	−0·8	10	− 6	61	+ 2?	·282	−·062	0·4	−1·6	0	0·50	−0·50	0·04	0·25	−0·21	0·04	0·25	−0·21	0·04	Raipur.
26	1	1		1			2		N	N 39° E	1·4	1·6	−0·2	8	−24	67	− 5	·328	−·070	0·8	−0·6	0	0·60	−0·60	0	0·34	−0·34	0	0·34	−0·34	0	Chanda.

...ases of hill or plateau stations, the elevations of which exceed 3,200 feet.

‡ Mean of 30 days.

* Uncorrected

† Mean of 16 days.

†† Wind direction of 16 days.

§ Mean of 29 days.

‖ „ „ 25 „

Table

(2) *Abstract of observations taken at 8 hrs., at 239 stations*

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity, at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between and maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	XII.—Hyderabad.																						
28	Aurangabad	1,905	28·183	—·001	30·102	28·261	14th	28·080	24th	·181	65·1	81·9	—2·2	50·8	—3·8	66·4	—3·0	31·1	85·2	24th	44·7	3rd	40·4
	Nizamabad	1,260	28·314	+·084?	30·081	28·903	13th	28·723	24th	·180	62·8	81·5	—1·4	49·0	—4·9	65·2	—3·2	32·5	86·9	25th & 26th.	43·7	3rd	43·2
	Bidar	*2,165*	27·883		30·053	27·954	13th & 14th.	27·818	23rd	·136	65·3	79·5		53·8		66·7		25·7	83·6	24th	49·7	30th	33·9
29	Gulbarga	1,503	28·552	—·009	30·060	28·639	13th	28·477	23rd	·162	64·6	83·7	—1·3	55·6	—2·2	69·7	—1·8	28·1	87·0	27th	50·3	4th	36·7
	Raichur	*1,811*	28·726*	—·001*	30·027*	28·798	13th	28·653	23rd	·145	67·6	82·3	—2·5	61·6	—1·7	72·0	—2·2	20·7	88·1	27th	56·1	3rd	32·0
	Hyderabad (Deccan)	1,690	28·361	—·006	30·071	28·447	13th	28·295	31st	·152	61·1	80·9	—1·5	54·4	—2·9	67·7	—2·2	26·5	84·8	25th & 27th,	49·2	3rd	35·6
	Hanumkonda	871	29·199	+·019	30·053	29·283	15th	29·120	23rd	·163	65·6	80·9	—2·8	56·7	—4·2	68·8	—3·5	24·2	85·5	24th	51·7	2nd, 3rd & 15th.	33·8
	XIII.—Mysore.																						
30	Chitaldroog	2,405	27·620	—·007	30·009	27·702	13th	27·557	31st	·145	67·2	81·7	+0·4	59·5	—1·3	70·6	—0·5	22·2	88·6	26th	55·4	18th & 21st.	33·2
	Hassan	3,149	26·910	+·009	30·031	26·985	13th	26·856	30th	·129	64·3	80·8	+1·3	55·7	+0·2	68·3	+0·8	25·1	85·4	27th	50·1	15th	35·3
	Bangalore	3,021	27·020	—·010	30·020	27·106	13th	26·924	31st	·182	63·7	80·7	+2·7	56·6	—2·1	68·7	+0·3	24·1	84·3	26th, 27th & 28th.	51·8	20th	32·5
	Mysore	2,518	27·510	—·010	30·010	27·592	13th	27·433	31st	·159	66·9	82·5	+0·9	59·9	+0·1	71·1	+0·5	22·6	87·0	27th	54·0	15th	33·0
	XIV—Madras.																						
31	Mangalore	65	29·927	—·014	29·925	30·038	13th	29·849	31st	·189	75·4	87·6	—1·9	69·1	—0·9	78·4	—1·4	18·5	91·2	1st & 3rd.	66·4	3rd & 4th & 16th.	24·8
	Calicut	27	29·959	—·010	29·916	30·048	13th	29·861	31st	·187	74·3	86·4	—1·2	69·5*	—1·0	78·0*	—1·1	16·9	88·8	3rd	64·6	13th	24·2
	Cochin	9	29·969	—·006	29·906	30·052	13th	29·900	31st	·153	76·2	88·7	+0·2	72·0	—0·9	80·4	—0·4	16·7	90·7	10th 15th & 25th.	68·7	4th, 10th & 18th.	22·0
	Trivandrum	198	29·763	—·012	29·894	29·853	10th	29·691	31st	·162	76·4	83·8	+0·8 ‡	73·1	+1·4	78·5	+1·1 †	10·7	87·5	20th	70·0	9th, 10th & 11th.	17·5
32	Tinnevelly	168	29·856	+·001	29·956	29·947	10th	29·687	31st	·260	76·7	86·5‡	+0·2	71·5	—0·9	78·8‡	—0·4	15·0	89·2	31st	67·4	9th	21·8
	Pamban	37	29·939?	—·033?	29·903?	30·032	10th	29·731	31st	·301	76·2	81·5	—0·1	73·4	—1·2	77·5	—0·7	8·1	83·7	4th	72·0	8th	11·7
	Madura	447	29·573	+·014	29·964	29·669	10th	29·422	31st	·247	75·9	87·2	+1·4	63·8	—1·7	78·0	—0·3	18·4	90·4	31st	62·1	9th	28·3
	Periyakulam	944	29·064		29·969	29·152	10th	28·907	31st	·245	71·5	87·4		61·4		75·9		23·0	90·3	24th	57·2	9th	33·6
	Pudukkottai	318	29·704		29·962	29·790	13th	29·537	31st	·253	73·5	85·8		63·8		77·3		17·0	87·9	1st	64·5	9th	23·4
	Negapatam	31	29·967	—·010	29·928	30·059	13th	29·741	31st	·318	75·9	83·5	+2·0	71·5	—0·6	77·5	+0·7	12·0	87·4	1st	66·0	20th	21·4
	Trichinopoly	255	29·776	+·010	29·970	29·868	13th	29·609	31st	·259	75·0	87·2	+2·0	69·0	—0·4	78·1	+0·8	18·2	91·1	4th	63·3	4th	27·8
	Coimbatore	1,348	28·667	+·003	29·992	28·758	13th	28·556	31st	·202	70·3	86·6	+1·5	64·8	—1·3	75·7	+0·1	21·8	90·9	24th	59·3	13th	31·6
	Salem	940	29·108	+·004	30·007	29·198	13th	28·971	31st	·227	74·5	87·9	+1·5	66·0	+0·7	77·0	+1·1	21·9	91·5	26th	60·4	4th	31·1
	Cuddalore	37	29·994	—·003	29·962	30·089	13th	29·863	31st	·226	73·0	83·0	—0·2	69·2	+0·1	78·1	—0·1	13·8	88·6	5th	64·2	8th	24·4
	Vellore	707	29·343		30·015	29·443	13th	29·209	31st	·234	68·7	82·8		62·6		72·7		20·2	85·7	7th	57·0	20th	28·7
	Madras	22	30·025	+·007	29·978	30·117	13th	29·891	31st	·226	74·0	82·7	—0·6	68·5	—1·2	75·6	—0·9	14·2	85·5	28th	62·5	8th	23·0
33	Cuddapah	433	29·630	+·004	30·016	29·726	13th	29·539	31st	·187	69·6	85·5	—1·3	63·5	—1·9	74·5	—1·6	22·0	89·2	28th	58·6	21st	30·6
	Bellary	1,475	28·569	+·009	30·042	28·652	13th	28·501	23rd	·151	65·3	85·6	0	59·3	—1·6	72·5	—0·8	26·3	91·0	27th	54·8	18th	36·2
	Kurnool	923	29·122	—·008	30·032	29·204	13th	29·044	23rd	·160	63·2	85·1	—1·8	56·5	—2·4	70·9	—2·1	28·6	92·2	27th	50·6	3rd & 29th.	41·6
34	Nellore	61	29·997	+·001	29·993	30·087	13th	29·886	31st	·201	72·3	82·4	—2·4	63·7	—1·5	74·6	—2·0	15·7	85·3	11th, 26th & 27th.	60·6	7th	24·7
	Masulipatam	15	30·082	+·032	30·032	30·178	13th	29·995	31st	·183	70·3	83·0	0	64·3	—2·3	73·7	—1·2	18·7	86·3	1st	60·1	19th	26·2
	Cocanada	26	30·067	+·017	30·029	30·161	13th	29·978	31st	·183	68·2	79·9	—0·8	62·7	—2·0	71·3	—1·9	17·2	83·2	1st	59·5	20th	22·7
	Waltair (Vizagapatam)	*226*	29·859	+·013	30·033	29·946	13th & 18th.	29·735	26th	·161	71·7	79·4		66·9		73·2		12·5	84·1	1st	61·9	20th	22·2
	Gallingapatam	19	30·091*		30·050*	30·196	13th	30·007	26th	·189													
	Gopalpur	72	30·024	+·014	30·050	30·118	13th	29·953	26th	·165	68·3	79·4	—0·9	56·2	—4·6	67·9	—2·8	23·2	83·2	27th	53·0	20th	30·2

* Mean of 30 days. † Mean of 28 days.

N.B.—Elevations in italics indicate barometrical determinations. ‡ „ „ 9 „

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau

B—*continued.*

in India, etc., in December, 1908—continued.

Wind direction: Number of winds from Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction	Normal direction	Wind velocity: Mean velocity miles per hour	Normal	Departure from normal	Wind steadiness: Actual percentage	Departure from normal	Hygrometry, 8 hrs.: Mean humidity at 8 hrs.	Departure from normal	Mean vapour tension at 8 hrs. in inches of mercury	Departure from normal in inches of mercury	Cloud: Mean cloud amount at 8 hrs.	Departure from normal	Rainfall: Number of rainy days	Normal number of rainy days	Departure from normal	Rainfall of month	Normal rainfall of month	Departure from normal	Total rainfall from 1st to 31st December 1908	Normal rainfall for period, 1st to 31st December	Departure from normal of period, 1st to 31st December 1908	Heaviest rainfall during month	Station
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																XII.—Hyderabad.
4		5	18	4					N 88° E		6·3			79		40	− 9	·247		0·2		0	1·10	−1·10	0	0·33	−0·33	0	0·33	−0·33	0	Aurangabad.
30				1					S 45° E		2·4			3		52	−16	·298		1·1		0	0·60	−0·60	0	0·14	−0·14	0	0·14	−0·14	0	Nizamabad.
1	3	7	9	8	2	1			S 89° E		5·2			62		51		·320		0·2		0	0·70	−0·70	0	0·52	−0·52	0	0·52	−0·52	0	Bidar.
3		9	16	1	2				N 81° E	N 76° E	7·6	7·2	+0·4	76	+29	†64	+ 5	·396	+ ·033	1·8	0	0	0·30	−0·30	0·01	0	+ 0·01	0·01	0	+ 0·01	0·01	Gulbarga.
1		11	9	9		1			N 88° E	S 77° E	3·3	7·4	−4·1	72	+ 6	60	− 6	·418	−·068	2·2	+0·7	0	0·30	−0·30	0	0	0	0	0	0	0	Raichur.
28		2		1					N 72° E	S 63° E	2·8	3·2	−0·4	7	− 7	66	− 7	·361	−·091	1·5	−0·2	0			0	0·17	− 0·17	0	0·17	− 0·17	0	Hyderabad (Deccan).
21	2			3	3			2	S 24° E		1·8			7		54	−13	·316		2·5		0	0·10	−0·10	0	0·25	− 0·25	0	0·25	− 0·25	0	Hanumkonda.
																																XIII.—Mysore.
1		1	15	14					S 70° E	S 77° E	6·5	7·8	−1·3	89	+ 1	62	− 3	·420	−·040	2·4	−0·6	0	0·70	−0·70	0	0·09	− 0·09	0	0·09	− 0·09	0	Chitaldroog.
		7	19	5					N 88° E	N 82° E	5·2	3·4	+1·8	90	+ 5	*72	− 1	·439	−·038	2·9	−0·7	0	1·00	−1·00	0	0·18	− 0·18	0	0·18	− 0·18	0	Hassan.
		17	13	1					N 66° E	N 67° E	8·0	5·5	+2·5	92	+ 6	76	− 2	·459	−·024	3·5	−0·3	1	1·00	0	0·17	0·48	− 0·31	0·17	0·48	− 0·31	0·16	Bangalore.
	1	15	14	1					N 67° E	N 68° E	9·8	10·3	−0·5	89	+ 6	72	− 2	·483	−·020	5·5	+1·7	0	1·00	−1·00	0·09	0·17	− 0·08	0·09	0·17	− 0·08	0·09	Mysore.
																																XIV.—Madras.
3		11	16	1					N 74° E	S 86° E	§5·5	2·9	+2·6	82	− 4	63	− 5	·554	−·047	2·9	+0·6	0	0·50	−0·50	0	0·45	− 0·45	0	0·45	− 0·45	0	Mangalore.
2		6	19	4					N 87° E	N 85° E	5·6	7·0	−1·4	86	+ 3	73	+ 1	·661	−·022	3·6	+1·5	1	1·60	−0·60	0·18	0·97	− 0·79	0·18	0·97	− 0·79	0·18	Calicut.
1	1	16	13						N 63° E	N 36° E	§5·4	4·3	+1·1	86	+ 7	*70	− 5	*·632	−·064	4·2	+1·8	1	2·50	−1·50	1·81	1·66	+ 0·15	1·81	1·66	+ 0·15	1·81	Cochin.
11	2	14	3				1		N 45° E	N 49° E	§4·0	3·7	+0·3	56	+20	75	− 5	·687	−·037	4·5	+0·2	1	3·60	−2·60	0·49	2·24	− 1·75	0·49	2·24	− 1·75	0·45	Trivandrum.
5	14	5	1		1		5		N 3° E	N 11° W	3·6	5·0	−1·4	66	−19	67	−10	·617	−·073	5·5	+1·0	2	5·70	−3·70	1·04	3·75	− 2·71	1·04	3·75	− 2·71	0·73	Tinnevelly.
	11	4					16		N 19° W	N 13° E	17·8	13·1	+4·7	89	+ 6	87	− 1	·786		5·9		9	9·20	−0·20	5·09	10·31	− 5·22	5·09	10·31	− 5·22	1·85	Pamban.
1	9	14	5			1	1		N 34° E	N 5° E	9·9	4·6	+5·3	79	− 4	69	− 5	·623	−·036	6·1	+1·6	0	3·80	−3·80	0·08	1·87	− 1·79	0·08	1·87	− 1·79	0·04	Madura.
28		1			2				S 30° E		2·2			3		68		·528		2·3		0	3·20	−3·20	0·12	1·56	− 1·44	0·12	1·56	− 1·44	0·07	Periyakulam.
	13	15				3			N 18° E		13·2			90		74		·614		5·5		1			0·44			0·44			0·33	Pudukkottai.
	2	12					17		N 9° W	N 6° W	15·2	9·0	+6·2	76	−10	77	− 6	·696	−·058	5·5	−1·2	4	9·40	−5·40	6·67	12·79	− 6·12	6·67	12·79	−6·12	2·90	Negapatam.
2	14	8				1	6		N 1° E	N 16° E	§6·4	4·5	+1·9	77	+27	68	− 9	·592	−·075	4·5	−0·4	1	4·60	−3·60	0·37	2·76	− 2·39	0·37	2·76	− 2·39	0·29	Trichinopoly.
		23	6		1		1		N 52° E	N 77° E	5·0	3·0	+2·0	86	+ 3	74	−10	·555	−·102	4·3	−0·6	0	2·40	−2·40	0·01	1·13	− 1·12	0·01	1·13	− 1·12	0·01	Coimbatore.
	2	7	17	2		3			N 75° E	N 40° E	4·7	3·9	+0·8	69	+10	74	− 2	·640	+·014	4·6	+1·0	0	2·10	−2·10	0	1·26	− 1·26	0	1·26	− 1·26	0	Salem.
	13	3					15		N 18° W	N 10° W	11·5	2·7	+8·8	92	+13	81	− 9	·661	−·105	4·9	−1·1	4	6·80	−2·80	1·99	8·19	− 6·20	1·99	8·19	− 6·20	0·99	Cuddalore.
27		1	1			2			N 19° W		§4·0			4		85		·585		4·3		2	3·60	−1·60	0·36	2·88	− 2·52	0·36	2·88	− 2·52	0·20	Vellore.
	21	4				6			N 3° W	N 8° E	§7·5	7·3	+0·2	92	+ 9	82	− 1	·685	−·045	4·1	− 0·7	3	7·20	−4·20	1·35	6·02	− 4·67	1·35	6·02	− 4·67	0·97	Madras.
	1	7	3	9		8	3		S 43° E	S 75° E				27	−16	77	− 1	·565	−·055	4·3	+0·9	0	1·30	−1·30	0	1·14	− 1·14	0	1·14	− 1·14	0	Cuddapah.
11	2		5	8	4			1	S 55° E	S 59° E	2·6	3·3	−0·7	40	− 3	62	− 5	·391	−·091	2·7	−0·6	0	0·30	−0·30	0	0·11	− 0·11	0	0·11	− 0·11	0	Bellary.
22	1		5		1		1		E	S 80° E	§3·5			13	+12	71	+ 1	·416	−·077	1·8	+0·1	0	0·30	−0·30	0	0·12	− 0·12	0	0·12	− 0·12	0	Kurnool.
	8	3					20		N 27° W	N 51° W	§5·3	4·2	+1·1	89	+17	81	− 4	·642	−·074	4·4	+ 0·4	1	3·30	−2·30	0·20	1·64	− 1·44	0·20	1·64	− 1·44	0·20	Nellore.
3	3	13	10	2					N 63° E	N 15° E	5·7	5·2	+0·5	76	−10	77	− 4	·572	−·065	2·6	0	0	0·60	−0·60	0	0·78	− 0·78	0	0·78	− 0·78	0	Masulipatam.
2	15	6					8		N 3° W	N 5° E	8·1	9·1	−1·0	82	− 8	78	+ 8	·542	+·001	3·9	+1·4	0	0·70	−0·70	0	0·80	− 0·80	0	0·80	− 0·80	0	Cocanada.
1	4	20				1	5		N 24° E	N 31° W	9·8			79	+20	51	− 8	·396	−·124	3·2	+0·7	0	1·10	−1·10	0	1·80	− 1·80	0	1·80	− 1·80	0	Waltair (Vizagapatam).
1	5	1				8	16		N 48° W		6·3			81						4·4		0			0			0			0	Calingapatam.
	19						12		N 17° W	N 23° W	10·2	8·2	+2·0	96	+21	74	− 3	·415	−·080	1·0	−1·1	0	0·80	−0·80	0	0·75	− 0·75	0	0·75	− 0·75	0	Gopalpur.

stations, the elevations of which exceed 3,100 feet.

§ Uncorrected.

Table

(2) *Abstract of observations taken at 8 hrs., at 239 stations*

Number of subdivisions.	Station.	Elevation of barometer above sea-level, in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Stations in the Bay																						
1	P. V. Fraser	*8*	30·085		30·011	30·170	13th	30·015	26th & 27th	·155	72·8												
	Car Nicobar	25	29·884		29·836	29·915	17th	29·344	28th	·071	81·3	85·4		77·8		81·7		7·6	87·7	16th	72·5	7th	15·2
	Port Blair	58	29·908	—·016	29·896	29·996	13th	29·821	28th	·175	79·3	85·1	—0·6	76·5	—0·2	80·8	—0·4	8·6	88·2	1st & 4th.	73·5	8th & 9th,	14·7
	Slipper Island	90	29·883		29·907	29·964	10th	29·801	27th	·163	79·0	83·9		76·6		80·3		7·3	86·1	22nd	75·6	6 days.	10·5
	Kashmir.																						
14	Srinagar	5,204	25·013	—·031	24·984	25·133	27th	24·807	20th	·326	30·3	46·7	—1·1	26·8	—1·7	36·8	—1·4	19·9	59·1	1st	12·1	30th	47·0
	Gulmarg	*8,569*					Register not received.																
	Sonemarg	*8,764*	21·844		21·812	21·999	1st	21·677	20th	·322	21·4	38·0		16·7		27·4		21·3	53·9	4th	0·6	26th	53·3
	Dras	*10,059*	20·781	—·066	20·749	21·007	3rd	20·567	21st	·440	11·3	29·1	+1·4	2·2	+0·9	15·7	+1·2	26·9	45·9	5th	—36·0	27th	81·9
	Leh	11,503	19·679	—·057	19·647	19·909	3rd	19·498	25th	·411	17·6	34·4	—0·3	14·4	+1·2	24·4	+0·5	20·0	43·6	5th	1·0	27th	42·6
	Skardu	*7,505*	22·937	—·045	22·937	23·219	1st	22·680	20th	·539	23·8	40·4	—1·4	21·5	—1·2	31·0	—1·3	18·9	50·4	5th	8·1	30th	42·3
	Minimarg	*9,359*	21·100§		21·068§	21·290	3rd	20·844	20th	·446	20·4	36·4		14·5		25·5		21·9	47·8	4th	—5·0	27th	52·8
	Astor	*7,955*	22·590		22·560	22·804	1st	22·356	20th	·448	25·8	40·5		21·4		31·0		19·1	51·4	4th & 5th	4·0	27th	47·4
	Gilgit	4,890	25·295		25·268	25·506	1st	24·945	20th	·561	36·7	48·9	—0·3	33·0	—1·5	40·9	—0·9	15·9	58·2	1st	25·2	27th	33·0
	Baluchistan.																						
16	Quetta	5,502	24·746	0	24·706	24·877	13th	24·617	28th	·260	34·1	56·4	—0·2	27·6	—2·1	42·0	—1·2	28·8	67·1	4th	14·0	22nd & 23rd.	53·1
	Chaman	4,311	25·818	—·007	25·780	25·983	13th	25·616	28th	·367	43·1*	56·8	—1·8	37·2	—2·4	47·0	—2·1	19·6	69·3	3rd & 4th	21·2	22nd	48·1
	Robat		27·102		27·060	27·305	13th	26·904	3rd	·401	48·0	65·1		38·3		51·7		26·8	76·5	4th	23·7	22nd	52·8
	Hill Stations exluding Kashmir and Baluchistan.																						
	Chitral	*5,486*									33·0	50·3		29·3		39·8		21·0	66·1	2nd	24·0	21st & 23rd.	42·1
	Para Chinar	6,000	24·468*		24·435*	24·561	9th	24·247	20th	·314	39·6	52·2		30·1		41·2		22·1	65·1	2nd	21·8	21st	43·3
	Cherat	*4,256*	25·831‖	+·008‖	25·799‖	25·918	15th	25·867	20th	·251	44·1	51·6	—3·9	40·5	—2·1	46·1	—3·0	11·1	64·1	2nd & 4th	33·5	25th & 29th.	30·6
	Murree	6,333	23·934*	—·013*	23·872*	24·008	10th	23·739	29th	·269	40·7	48·2	—4·6	35·9	—3·1	42·1	—3·9	12·3	62·0	4th	27·0	31st	35·0
	Kailang	*10,087*	20·963		20·918	21·131	1st	20·800	31st	·331	22·3	41·2	+1·2	18·5	—0·4	29·9	+0·4	22·7	56·2	19th	0·5	27th	55·7
	Simla	7,224	23·144	—·021	23·106	23·222	10th	23·074	27th	·148	41·1	50·1	+0·7	37·9	—1·2	44·1	—0·3	13·2	57·7	2nd	29·3	25th	28·4
	Sarain		23·296		23·273	9th	23·133	19th	·140	30·5	49·5		28·2		38·8		21·3	58·7	3rd	19·9	27th	38·8
	Kalabagh						Register not received.																
	Chakrata	7,022	23·347	+·009	23·307	23·409	4th	23·276	26th	·133	41·9	57·1	+2·2	33·0	—1·3	47·6	+0·5	19·1	65·3	2nd	30·2	25th	35·1
	Muktesar	7,592	22·889	—·004	22·848	22·961	4th	22·799	26th	·162	42·7	53·9	—0·1	35·9	—1·7	45·4	—0·9	17·0	64·5	3rd	30·0	25th	34·5
	Darjeeling	7,376	23·084	+·009	23·039	23·146	4th	22·986	26th	·160	44·0	52·7	+4·0	37·1	+0·5	44·9	+2·3	15·6	58·3	3rd	34·2	14th & 15th.	24·1
	Shillong	4,920	25·217		25·169	25·289	13th	25·157	28th	·132	48·0	63·9		38·5		51·2		25·4	68·9	25th	33·7	7th	34·2
	Cherra Poonjee	4,309	25·785		25·736	25·858	13th	25·723	28th	·135	56·3	64·0		47·1		55·6		16·9	70·2	25th	43·3	7th	26·9
	Maymyo	3,515	26·542	+·034	26·487	26·626	13th	26·461	27th	·165	51·7	69·8	+0·3	42·5	+0·2	56·1	+0·3	27·3	72·4	17th & 26th.	37·1	6th	35·3
	Pachmarhi	3,528	26·585	+·006	26·532	26·619	13th	26·503	24th	·116	54·7	69·8	—0·5	41·5	—4·2	55·7	—2·4	28·3	73·7	21st & 24th,	31·6	28th	42·1
	Mount Abu	3,945	26·167	—·001	26·117	26·251	10th & 13th.	26·027	28th	·224	58·9	66·4	—2·2	51·0	—1·9	58·7	—2·1	15·4	71·2	4th, 4th & 5th.	45·9	29th	25·3
	Mercara	3,781	26·269	—·017	26·202	26·338	13th	26·201	31st	·137	59·6	75·6	+0·4	56·0	—1·9	65·8	—0·7	19·6	81·0	28th	52·0	18th & 15th,	29·0
	Coïmbatore	*7,329*	23·058		22·994	23·101	25th	23·008	31st	·093	52·6	65·5		41·6		53·6		23·9	70·5	15th	33·7	6th	36·8
	Kodaikanal	7,633	22·837	—·025	22·772	22·875	13th	22·763	31st	·112	59·9	63·5	+1·8	43·5	—1·2	55·0	+0·2	17·0	70·5	21st	38·0	10th	32·5

* Mean of 30 days.

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or

M.S.—Elevations in italics indicate barometrical determinations.

B—*continued.*

in India, etc., in December, 1908—continued.

Wind direction. Number of winds from Calm	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Wind velocity. Mean velocity miles per hour.	Normal.	Departure from normal.	Wind steadiness. Actual percentage.	Departure from normal.	Hygrometry, 8 hrs. Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs in inches of mercury.	Departure from normal in inches of mercury.	Cloud. Mean cloud amount at 8 hrs	Departure from normal.	Rainfall. Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st December 1908.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December 1908	Heviest rainfall during month.	Station.
25	25	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																																Stations in the Bay.
	15	15						1	N 21° E		8·0†			90		60		·482		2·0		0			0			0			0	P.V. Fraser.
											5·3					78		·829		8·9		6			2·43			2·43			1·10	Car Nicobar
3	9	13	6						N 40° E	N 55° E	6·5†	7·3	−0·8	76	+18	80	−1	·807	−·012	6·6	+1·3	8			7·75	6·62	+ 1·13	7·75	6·62	+1·13	2·15	Port Blair.
	6	12	11	1				1	N 54° E		11·8			76		76		·755		7·0		0			0·09			0·09			0·09	Slipper Island.
																																Kashmir.
8	1	2	4	7	1	2	2	4	S 62° E	S 42° E	3·2	2·6	+0·6	13	− 6	83	− 6	·141	−·019	6·0	0	6	3·50	+2·50	4·75	0·91	+ 3·84	4·75	0·91	+ 3·84	2·00	Srinagar.
														Register		not	received.															Gulmarg.
18	1	2	7	1			1	1	N 72° E		2·9			23		90*		·109*		6·2		9			11·24			11·24			3·50	Sonemarg.
29					1	1			S 66° W		2·1			7		88	+ 1	·076*		5·9		9	6·60	+2·40	3·39	1·36	+ 2·03	3·39	1·36	+ 2·03	0·77	Dras.
28		1	1			1			E	S 22° W	1·7†	1·3	+0·4	3	−14	52	− 6	·053	+ ·002	6·9	+1·0	0	0·60	−0·60	0·04	0·19	− 0·15	0·04	0·19	− 0·15	0·02	Leh.
26		1	1		2	1			S 27° E		1·9			7		97	+ 3	·129		5·8		1	1·10	−0·10	0·27	0·28	− 0·01	0·27	0·28	− 0·01	0·10	Skardu.
18	1	3	7		1		1		N 76° E		6·3			27		81		·089		6·6		10			6·98			6·98			1·50	Minimarg.
24					6	1			S 6° W		2·5			23		62		·086		5·9		6			2·17			2·17			0·60	Astor.
28							3		W		1·2			10		67	+ 6	·146	+ ·012	6·8	+0·4	1	0·80	+0·20	0·22	0·09	+0·13	0·22	0·09	+ 0·13	0·15	Gilgit.
																																Baluchistan.
26	1			3				1	S 72° E	S 7° E	2·5	2·3	+0·2	5	− 4	73	− 1	·141	−·014	2·2	−1·0	2	4·00	−2·00	1·40	0·81	+ 0·59	1·40	0·81	+ 0·59	0·69	Quetta.
4			6	14	5	1	1		S 42° E	S 52° E	6·0	6·7	−0·7	69	− 3	55§	− 4	·149*	−·026	3·4	−0·1	4	3·10	+0·90	0·97	0·92	+ 0·05	0·97	0·92	+ 0·05	0·28	Chaman.
7	4	17	2					1	N 38° E		6·0			69		71		·251		1·9		1			0·29			0·29			0·19	Robat.
																																Hill stations exclud-ing Kashmir and Baluchistan.
29		2							N 45° E		1·2			3		83‖		·164‖		3·0		2			0·80			0·80			0·40	Chitral.
27	1		2				1		N 45° E		3·2			·3		67		·160		2·5		4	2·50	+1·50	1·05	0·79	+ 0·26	1·05	0·79	+ 0·26	0·44	Para Chinar.
8	8	1	1		2			11	N 23° W	N 13° W	14·4	13·2	+1·2	49	−26	67	+22	·192	+ ·050	2·2	−1·5	3			1·38	1·00	+ 0·38	1·38	1·00	+ 0·38	0·62	Cherat.
7	2			12	10				S 27° E	S 84° E	10·2	7·1	+3·1	59	+30	63	+17	·156	+ ·035	4·4	+0·3	5	1·50	+3·50	2·69	1·14	+ 1·55	2·69	1·14	+ 1·55	1·30	Murree.
	2	2	4	12	3	4	3	1	S 35° E		1·7†	0·9	+0·8	39		68		·088		5·8		2			0·90	1·08	− 0·18	0·90	1·08	− 0·18	0·70	Kailang.
5		1			11	13	1		S 27° W		2·7			71		79		·135		3·2		2			1·30			1·30			1·20	Sarain.
														Register		not	received.															Kalabagh.
5	22	1			1	1		1	N 2° W	N 28° E	5·6	5·0	+0·6	72	+35	48	− 1	·124	− ·011	2·2	−0·8	1	2·40	−1·40	0·55	1·16	− 0·61	0·55	1·16	−0·61	0·55	Chakrata.
14	1	1	9		1	1	3	1	N 82° E		5·1			17		44	+ 2	·115		2·2		0			0·11	0·72	−0·61	0·11	0·72	−0·61	0·07	Muktesar.
12		7	6	5			1		N 84° E	S 89° E	2·1*	2·9	−0·8	43	+ 2	58	−20	·166	− ·031	1·0	−2·1	0	0·65	−0·65	0	0·23	−0·23	0	0·23	−0·23	0	Darjeeling.
29	1			1					N 67° E		1·8			2		63		·213		0·3		0	0·70	−0·70	0	0·28	−0·28	0	0·28	−0·28	0	Shillong.
11	2	6	10			1		1	N 64° E		3·1			46		52		·228		0·4		0	3·90	−3·90	0·01	6·21	−6·20	0·01	0·21	−0·20	0·01	Cherra Poonjee.
27		2	1	1					N 77° E		1·5			10		92	+ 4	·363		1·1		0	0·80	−0·80	0	0·45	− 0·45	0	0·45	− 0·45	0	Maymyo.
18		6	2		2	2	1		N 78° E	S 52° E	1·8	2·7	−0·9	13	+ 3	58	− 1	·254	−·051	0·2	−1·7	0	1·00	−1·00	0	0·47	−0·47	0	0·47	−0·47	0	Pachmarhi.
9	2	11			5	2	2		N 6° E	N 8° E	4·9	4·1	+0·8	27	+13	35	− 9	·174	−·051	1·0	−0·7	0	0·50	−0·50	0	0·21	−0·21	0	0·21	−0·21	0	Mount Abu.
1		18	11	1					N 63° E	N 72° E	6·7	6·4	+0·3	86	+ 3	83	+ 3	·420	− ·027	3·5	−1·3	0	1·00	−1·00	0	0·51	− 0·51	0	0·51	− 0·51	0	Mercara.
18		2	3	5	2		1		S 59° E		2·9			27		65		·263		4·5		1	3·30	−2·30	0·35	1·65	− 1·30	0·35	1·65	− 1·30	0·20	Cotacamund
	3	4	11	4	3		2	4	N 77° E		12·3†			40		62	− 2	·251		3·5		3	8·10	−5·10	1·77	5·12	− 3·35	1·77	5·12	− 3·35	0·90	Kodaikanal.

Plateau stations, the elevations of which exceed 3,200 feet.

† Uncorrected

§ Mean of 29 days.

** " " 26 "

‖ Mean of 27 days.

Table

(2) *Abstract of observations taken at 8 hrs., at 239 stations*

Number of sub-division.	Station.	Elevation of bar cistern above sea-level in feet.	Pressure, 8 hrs., in inches.								Temperature of air.												
			Mean 8 hrs. pressure reduced to 32°.	Departure from normal.	Mean 8 hrs. pressure reduced to sea-level and to constant gravity at 45° Lat.	Highest pressure recorded during month.	Date.	Lowest pressure recorded during month.	Date.	Total range of pressure during month.	Mean of 8 hrs. tempeature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Extra India.																						
	Singapore (*a*)	10	29·919		29·851	29·999	13th	29·847	28th	·152	81·9	88·3		73·5		78·4		9·8	89·0	22nd & 23rd.	72·0	19th, 20th & 21st.	17·0
	Penang (*d*)	20	29·921		29·866	29·948	6th	29·884	13th	·034	81·6	89·1		73·1		81·1		16·0	92·0	5th	67·0	8th	25·0
	Trincomalee	12	29·968?	+·003?	29·936?	30·055	13th	29·698	31st	·357	75·6	83·0	+0·5	73·9	−0·6	78·4	−0·1	9·1	89·5	11th	68·5	5th	21·0
	Colombo	40	29·911	−·022	29·877	30·003	10th	29·792	31st	·211	73·6	85·5	−0·4	72·8	−0·2	79·6	−0·3	13·7	90·0	13th & 14th.	70·0	9th	20·0
	Minicoy	7	29·887			30·056	13th	29·946	18th	·110													
	Amini Divi	*13*	29·972	−·024	29·913	30·071	13th	29·922	31st	·149	80·3	86·9	+2·0	72·3	−1·4	79·7	+0·3	14·6	89·0	12th	66·1	5th	22·9
	Gyantse	13,120									13·1	42·6		6·5		24·6		36·1	48·8	16th & 20th.	0·5	29th	48·3
	Pharijong	14,400						Registe	r not re	ceived													
	Gangtok	5,660?	24·530§			24·617	4th	24·467	17th	·150	56·3§	65·0		41·5		53·3		23·5	71·6	3rd	38·8	11th	32·8
	Gartok (*c*)	15,100?	17·179			17·411	1st	17·061	23rd & 24th	·350	9·9	27·6		0		13·8		27·6	39·5	3rd	−22·7	25th	62·2
	Kashgar (*c*)	4,255	25·771			26·060	17th	25·460	4th	·600	19·0	38·9	+2·3	15·3	−0·6	27·4	+0·9	23·1	51·0	16th	4·8	24th	46·2
	Kabul		24·368		24·337	24·459	13th	24·194	20th	·265	27·7	51·3	−2·2	20·9	−6·8	35·6	−4·5	30·4	72·2	19th	−0·1	23rd	72·3
	Meshed (*d*)	3,104	26·859			27·116	20th	26·576	2nd	·540	30·0	51·9 §		22·0	−8·8	36·9 §		29·9	73·6	1st	9·8	23rd	63·8
	Jask ‡	13	30·124	0	30·094	30·212	13th	30·033	24th	·179	68·5	77·6 §	−0·4	63·3 §	+1·5	71·5 §	+0·6	12·3	80·8	14th & 20th.	59·3	22nd	21·5
	Muscat	20	30·133	+·016	30·101	30·219	12th	30·057	24th	·162	71·8	80·6	+5·2	69·4	−1·3	75·0	+2·0	11·2	86·3	15th	66·1	31st	20·2
	Bahrein	18	30·168		30·140	30·291	4th	30·033	9th	·258	65·9	71·7		62·2		67·0		9·5	81·6	1st	53·8	4th & 5th.	27·8
	Bushire	14	30·110	−·024	30·083	30·224	12th	29·929	9th	·295	58·0	69·2	0	55·0	−0·4	62·1	−0·2	14·2	79·6	14th	46·1	4th & 5th.	33·5
	Busrah	25	30·205		30·191	30·358	3rd	29·982	9th	·376	49·7	64·4							73·2	26th			
	Ispahan (*b*) (*d*)	*5,817*	24·281			24·460	12th	24·100	2nd	·360	31·5	52·0	−0·2	29·9	+0·7	41·0	+0·3	22·1	65·4	14th	25·2	4th & 5th.	40·2
	Tehran (*b*)	*4,002*	25·987			26·175	20th	25·700	2nd	·475	34·6	49·7 §	−1·6	31·2 **	−2·6	40·5 **	−2·1	18·5	62·5	1st	21·7	3rd	40·8
	Baghdad ‡	220	30·077	+·067	30·292	30·282	3rd	29·817	9th	·465	42·5	60·9	−2·3	39·2	−3·9	49·9	−3·1	21·7	68·0	1st	31·0	2nd	37·0
	Beirut				30·076						55·7	63·4		51·3		57·4		12·1	69·0	19th	40·5	9th	28·5
	Aden	94	30·013	+·018	30·041	30·080	13th	29·955	3rd	·125	75·6	80·5	−1·3	73·0	0	76·8	−0·7	7·5	84·3	3rd	69·4	29th	14·9
	Perim	201	29·929	−·013	29·968	29·995	14th	29·774	3rd	·131	77·9	85·0	+0·7	74·7	+0·1	79·9	+0·4	10·3	88·3	13th	72·6	31st	15·7
	Zanzibar	72	29·918	−·012	29·916	29·973	13th	29·848	16th	·125	82·7	87·6	+1·3	80·0	+0·5	83·8	+1·2	7·6	88·7	6th, 15th & 18th.	79·0	1st	9·7
	Do, Dunga	*154*						Not rece	ived.														

N.B.—Elevations in italics indicate barometrical determinations.

Note—The barometric readings are not reduced to sea-level in the cases of hill or plateau stations, the elevations of which exceed 3,200 feet.

(*a*) 9 hrs. observations.
(*b*) Aneroid uncorrected.
(*c*) " corrected.
(*d*) 7 hrs. observations.

** Mean of 27 days.

B—*concluded.*

in India, etc., in December, 1908—concluded.

Wind direction.											Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.						Heaviest rainfall during month.	Station.
Number of winds from																												
Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant direction.	Normal direction.	Mean velocity miles per hr.	Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st December 1908.	Normal rainfall for 1st to 31st December.	Departure from normal of period, 1st to 31st December 1908.		
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
																															Extra Indis.	
13	7	9						2	N 19° E		3·6*			53						5·0		18			19·06			19·06			4·20	Singapore.
	22		3				1	5	N 4° W		11·2*			84						1·0		6			4·79			4·79			2·65	Penang.
10	3	14				1		3	N 27° E	N 23° E	2·5*	7·2	−4·7	53	+14	88	+ 2	·790	−·011	6·8	+1·9	15			14·26	15·90	−1·64	14·26	15·90	−1·64	2·98	Trincomalee.
	19	10					1	1	N 11° E	N 33° E	11·0*	8·3	+2·7	92	+14	91	+14	·757	−·044	5·5	+1·1	3			1·03	6·79	−5·76	1·03	6·79	−5·76	0·57	Colombo.
2	9	15	4					1	N 35° E	N 42° E	2·8	6·2	−3·4	78						2·1		3			3·81	4·66	−0·85		4·66		3·32	Minicoy.
4	14	6					1	6	N 2° W					74		71	− 2	·732	−·076	4·2	+0·6	0			0·04	0·32	−0·28	0·04	0·32	−0·28	0·04	Amini Divi.
				9	15	6	1		S 4° E		1·9			81		80		·056		0		0			0			0			0	Gyantse.
																Register not received.																Pharijong.
																80§		·363§		0		0			0			0			0	Gangtok.
31									†		0·8											0			0			0			0	Gartok.
5			1	11	10	3		1	S 18° E		9·9			65						4·3		0			0			0			0	Kashgar.
31									†	N 8° W	0·2§	0·9	−0·7							5·9	+1·1	0			0	0·19	−0·19	0	0·19	−0·19	0	Kabul.
	10	6	3			1	5	6	N 9° W	S 56° W				58	+48	70		·113		3·9	+0·7	6			1·84	0·29	+1·55	1·84	0·29	+ 1·55	0·70	Meshed.
22	2			1	2		4		S 72° W		0·8			10		80		·133		5·7	+0·2	0			0·10	0·70	−0·60	0·10	0·70	− 0·60	0·07	Jask.
6	4	8	7					5	N 35° E	N 23° E	8·6§	10·3	−1·7	53	−20	76	+6	·534	+·016	2·1	−0·3	1			0·46	0·78	−0·32	0·46	0·78	− 0·32	0·46	Muscat.
26		1	1					3	N 9° W	S 74° W	3·2	4·0	−0·8	9	−28	66	−2	·510	−·039	2·6	+0·6	1			0·18	0·26	−0·08	0·18	0·26	− 0·08	0·18	Bahrein.‡
	3		2	4	1	1	9	10	N 63°W		7·4			43		82		·531		1·3		0			0·05			0·05			0·03	Bushire.
3	6	12	5		1			4	N 33° E	N 63° E	11·1	6·5	+4·6	62	+ 4	83	+ 9	·413	+·033	4·5	+2·2	3			1·08	3·24	−2·16	1·08	3·24	− 2·16	0·40	Busrah.
8	1		1	1	1	3	7	6	N 85° W		4·8			43¶		79		·289		2·7					0·29			0·29			0·12	Ispahan.
17	1	1	2	1		1	3	2	N 45° W	S 85° W	2·0‡	2·6	−0·6	11	−36	87	+6	·159	−·006	2·4	−1·4	3			1·03	0·54	+0·49	1·03	0·54	+ 0·49	0·43	Teheran
3	15	10				2	1		N 13° E	N 11° E	2·7	2·7	0	71	+37	76	+12	·166	+·009	3·1	−0·5	3			1·25	1·37	−0·12	1·25	1·37	−0·12	0·48	Baghdad.
18	3		1	1		1	1	5	N 39° W	N 3° W	6·1	3·0	+3·1	23	+ 3	72	−6	·199	−·069	3·0	+1·0	1			0·48	1·64	−1·16	0·48	1·64	−1·16	0·43	Beirut.
2		2		20		7			S 31° E					69		74		·328		6·0		13			10·33			10·33			2·61	Aden.
2	1	28							N 43° E	N 76° E	12·3	12·9	−0·6	92	+20	75	+1	·655	0	6·1	+0·9	0			0·08	0·37	−0·29	0·08	0·37	− 0·29	0·03	Perim.
			23	4	4				S 75° E	S 82° E	18·0	19·3	−1·3	90	+ 3	70	−4	·676	−·024			0			0·06	0·08	−0·02	0·06	0·08	−0·02	0·06	Zanzibar.
1	13	15	1	1					N 28° E	N 85° E	7·2	6·3	+0·9	84	+43	77	−4	·860	−·012	5·4	0	1			0·45	2·77	−2·32	0·45	2·77	− 2·32	0·43	Do. Dunga.
															Not received.																	

* Uncorrected.
† Indeterminate.
‡ Mean of 30 days.
§ „ „ 29 „
¶ Mean of 28 days.
‖ Wind directions for 28 days.
‡‡ „ „ 30 „

Table C.—Abstract of observations taken at 8 hrs. at 32 fourth-class stations in India, etc., in December, 1908.

Table

Abstract of observations taken at 8 hrs.

Number of sub-divisions.	Station.	Temperature of air.												Wind direction.									
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest temperature observed during month.	Date.	Lowest temperature observed during month.	Date.	Absolute range during month.	Number of winds from								Resultant direction.	Normal direction.
															Calm.	N.	NE.	E.	SE.	S.	SW.	W.	NW.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	II.—Eastern Bengal and Assam.																								
4	Bishnath	47·8	76·5	...	34·2	...	55·4	...	42·3	79·3	3rd	30·6	10th	48·7	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	51·4	78·7	...	40·5	...	59·6	...	38·2	81·2	23rd	37·0	10th	44·2	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	57·1	86·0	...	48·6	...	67·3	...	37·4	93·8	14th	44·5	11th	49·3	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	49·0	68·8	...	43·8	...	56·3	...	25·0	75·9	1st	39·7	9th	36·2	...	...	...	...	...	...	...	...	...	...	...
	Dikom	48·7	75·2	...	42·0	...	58·6	...	33·2	79·4	23rd	36·8	31st	42·6	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	56·8	74·6	...	44·7	...	59·7	...	29·9	76·9	17th	40·9	31st	36·0	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	52·6	80·4	...	50·9	...	65·7	...	29·5	83·0	1st & 2nd.	49·0	6 days	34·0	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	53·0	75·9	...	46·2	...	61·1	...	29·7	79·9	17th to 19th.	41·8	7th	36·1	...	...	...	...	...	...	...	...	...	...	...
	Messa	58·3	81·7	...	42·0	...	61·9	...	39·7	86·3	1st	38·8	10th	47·5	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	46·1	78·0	...	44·3	...	61·2	...	33·7	80·1	25th	40·0	9th, 10th & 11th.	40·1	...	...	...	...	...	...	...	...	...	...	...
	Srimangal	55·0	81·7	...	45·2	...	63·5	...	36·5	85·3	5th	41·4	31st	43·9	...	...	...	...	...	...	...	...	...	...	...
5	Brahmanbaria	60·9	80·5	...	50·1	...	65·3	...	30·4	84·8	3rd	45·7	31st	39·1	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	44·0	86·0	...	39·0	...	62·5	...	47·0	90·9	14th	35·9	8th & 10th.	55·0	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	59·1	80·3	...	46·9	...	63·6	...	33·4	84·1	6th	43·6	18th	40·5	...	...	...	...	...	...	...	...	...	...	...
	Kalchinj	60·8	78·8	...	44·3	...	61·6	...	34·5	80·6	1st & 22nd.	39·9	9th	40·7	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	59·0	79·2	...	49·5	...	64·4	...	29·7	81·1	5 days.	43·0	4th	38·1	...	...	...	...	...	...	...	...	...	...	...
	Pabna	60·0	81·3	...	49·4	...	65·4	...	31·9	84·5	5th	44·9	18th & 29th.	39·6	...	...	...	...	...	...	...	...	...	...	...
6	**III.—Bengal.** Fraserganj	65·2	...	...	...	...	...	...	...	...	...	...	...	...	...	30	...	...	...	1	...	...	...	N	...
24	**XI.—Central Provinces.** Chhindwara	51·9	77·3	...	44·2	...	60·8	...	33·1	80·2	7th	36·9	28th & 29th.	43·3	...	13	4	1	1	...	...	2	10	N 13° W	...
	Hill Stations. Panighatta	63·5	77·3	...	54·1	...	65·7	...	23·2	79·4	25th	51·3	8th	28·1	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	50·4	62·9	...	47·3	...	55·1	...	15·6	68·6	5th	44·7	28th	23·9	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	44·5	...	20·7	...	32·6	...	23·8	53·0	4th	13·6	27th	39·4	27	...	1	1	2	...	...	...	...	S 72° E	...
	Kargil	21·9	42·1	...	13·3	...	27·8	...	28·8	50·9	11th & 13th.	—0·9	30th	51·8	...	3	2	...	1	...	9	6	10	N 77° W	...
	Killa Drosh	36·6	49·9	...	...	...	...	...	...	68·8	5th	...	...	...	22	...	1	6	...	...	...	1	...	N 81° E	...
	Pishin	...	57·3	...	27·1	...	42·2	...	30·2	69·3	4th	13·2	23rd	56·1	...	...	...	...	...	...	...	...	...	...	...
	Kalat	37·5*	55·2	—2·9	23·7	—0·4	39·4	—1·7	31·5	69·1	4th	8·3	22nd	60·8	...	4	...	...	...	26	...	...	...	S	...
	Extra India. Ahwaz	...	81·0†	...	47·8‡	...	64·1†	...	33·2	94·1	1st	38·0	4th	56·1	...	4	...	...	6	...	...	...	...	S 84° E	...
	Birjund	37·3	50·2	...	33·1	...	41·7	...	17·1	65·4	3rd	22·1	22nd	43·3	10	2	11	...	...	2	...	1	...	N 41° E	...
	Chumbi	21·6	49·8*‡	...	17·6	...	33·7	...	32·2	58·8	24th	13·4	28th	45·4	...	...	30	...	...	...	...	...	...	N 45° E	...
	Karmanshah	35·3	47·2	...	28·8	...	38·0	...	18·4	54·8	10th	19·0	3rd	35·8	...	...	...	...	...	...	...	...	...	...	...
	Koweit	...	65·7	...	50·7	...	52·8	...	15·0	78·4	26th	43·1	5th	35·3	...	2	...	1	2	6	...	2	17	N 60° W	...
	Maidan §§	...	63·2	...	44·3	...	53·8	...	18·9	72·2	12th	31·9	3rd	40·3	...	...	...	...	...	...	...	...	...	...	...

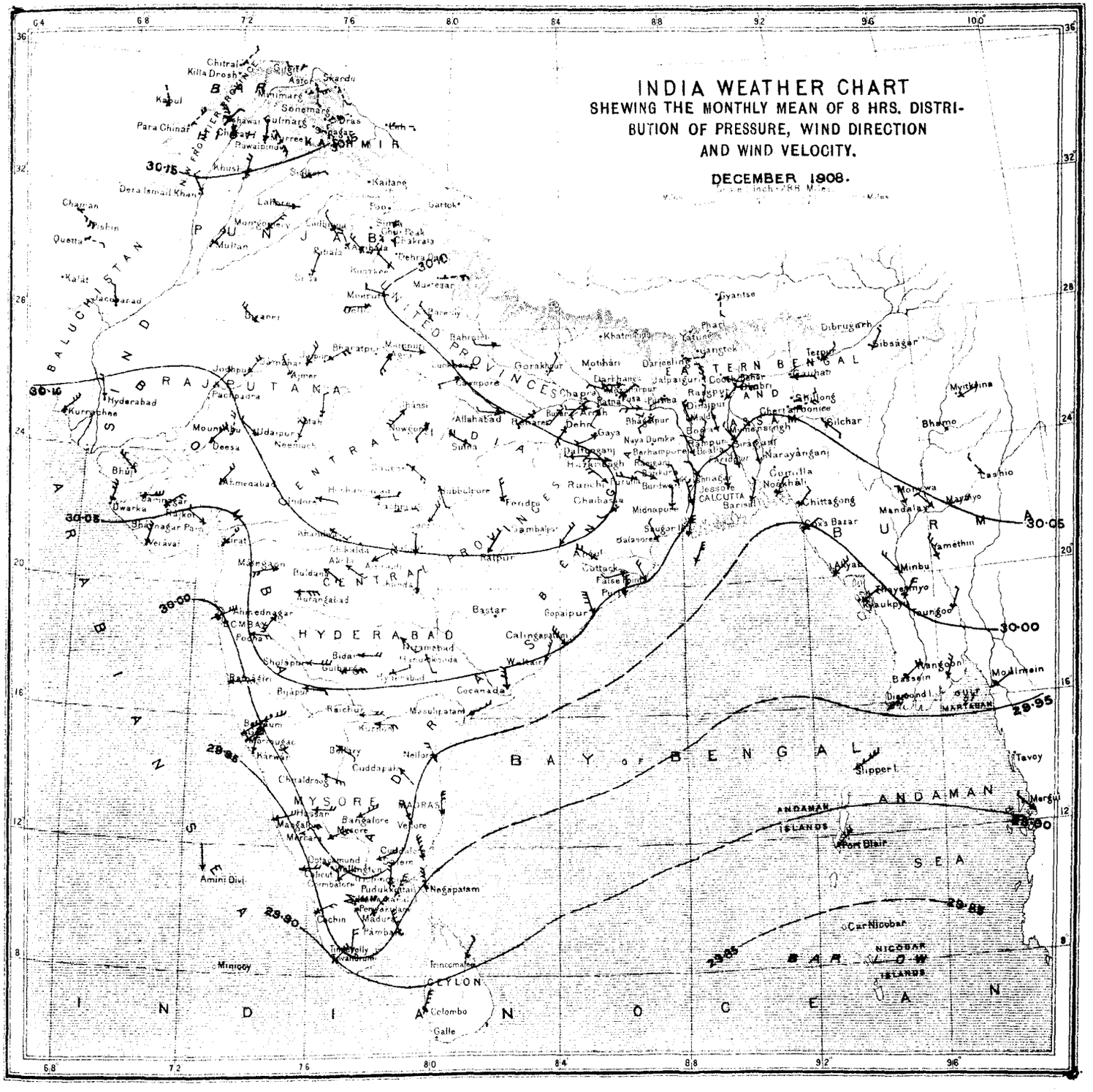
* Uncorrected. † Mean of 29 days. ‡ Mean of 30 days.
§ Mean of 27 days. §§ Observations of 30 days.

C.

at 32 fourth-class stations in India, etc., in December, 1908.

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
Mean velocity, miles per hour.	Normal.	Percentage departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	Departure from normal in inches of mercury.	Mean cloud amount at 8 hrs.	Departure from normal.	Number of rainy days.	Normal number of rainy days.	Departure from normal.	Rainfall of month.	Normal rainfall of month.	Departure from normal.	Total rainfall from 1st to 31st December 1908.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December 1908.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					II.—Eastern Bengal and Assam.
...	...	...	...	...	90	...	·301	...	...	...	0	...	...	0	...	...	0	...	...	0	Bishnath.
...	...	...	...	...	84	...	·321	...	...	...	0	...	...	0	...	...	0	...	...	0	Borjuli.
...	...	...	...	...	93	...	·439	...	...	...	0	...	...	0·07	...	...	0·07	...	...	0·03	Chandkhira.
...	...	...	...	...	96	...	·340	...	...	...	0	...	...	0	...	...	0	...	...	0	Doom Dooma.
...	...	...	...	...	93	...	·323	...	...	...	0	...	...	0	...	...	0	...	...	0	Dikom.
...	...	...	...	...	88	...	·406	...	...	...	0	...	...	0	...	...	0	...	...	0	Golaghat.
...	...	...	...	...	99	...	·400	...	...	...	0	...	...	e	...	...	0	...	...	0	Hailakandi.
...	...	...	...	...	96	...	·388	...	...	...	0	...	...	0	...	...	0	...	...	0	Jorehat.
...	...	...	...	...	74	...	·370	...	...	...	0	...	...	0	...	...	0	...	...	0	Messa.
...	...	...	...	...	89	...	·290	...	...	...	0	...	...	0	...	...	0	...	...	0	Panerihat.
...	...	...	...	...	87	...	·378	...	...	...	0	...	...	0	...	...	0	...	...	0	Srimangal.
...	...	...	...	...	86	...	·460	...	...	...	0	...	...	0	...	...	0	...	...	0	Brahmanbaria.
...	...	...	...	...	94	...	·271	...	...	...	0	...	...	0	...	...	0	...	...	0	Dam Dim.
...	...	...	...	...	79	...	·405	...	...	...	0	...	...	0	...	...	0	...	...	0	Goalundo.
...	...	...	...	...	74	...	·392	...	...	...	0	...	...	0	...	...	0	...	...	0	Kalchini.
...	...	...	...	...	72	...	·358	...	...	...	0	...	...	0	...	...	0	...	...	0	Nagrakata.
...	...	...	...	...	73	...	·384	...	...	...	0	...	...	0	...	...	0	...	...	0	Pabna.
																					III.—Bengal.
...	...	...	94	...	71	...	·446	...	...	...	0	...	...	0	...	...	0	...	...	0	Fraserganj.
																					XI.—Central Provinces.
0·9	...	...	74	...	66	...	·259	...	0	...	1	...	...	0·26	...	...	0·26	...	...	0·26	Chhindwara.
																					Hill Stations.
...	...	...	...	...	51	...	·315	...	...	...	0	...	...	0	...	...	0	...	...	0	Panighatta.
...	...	...	...	...	67	...	·242	...	...	...	0	...	...	0	...	...	0	...	...	0	Kurseong.
...	...	...	10	...	...	...	...	...	5·1	...	1	...	...	0·14	1·05	—0·91	0·14	1·05	—0·91	0·11	Poo.
...	...	...	55	...	17	...	·022	...	4·8	...	3	...	...	1·13	...	...	1·13	...	...	0·50	Kargil.
...	...	...	19	...	73	...	·156	...	3·8	...	2	...	...	0·75	...	...	0·75	...	...	0·51	Killa Drosh.
...	...	...	...	...	...	...	...	...	1·2	...	4	...	...	1·66	1·20	+0·46	1·66	1·20	+0·46	0·88	Pishin.
...	...	...	73	...	38	...	·097	...	...	...	2	...	...	0·78	0·65	+0·13	0·78	0·65	+0·13	0·37	Kalat.‖
																					Extra India.
...	...	...	6	...	...	...	...	...	3·3‡‡	...	3	...	...	0·57	...	...	0·57	...	...	0·28	Ahwaz.**
...	...	...	39	...	67¶	...	·159¶	...	4·0§	...	4	...	...	1·55	...	...	1·55	...	...	0·60	Birjund. ††
...	...	...	97	...	...	...	...	...	...	...	0	...	...	0	...	...	0	...	...	0	Chumbi.‖
...	...	...	...	...	81	...	·170	...	...	...	3	...	...	2·52‡‡	...	...	2·52‡‡	...	...	1·30	Karmanshah.
...	...	...	43	...	...	...	...	...	4·4	...	0	...	...	0·17	...	...	0·17	...	...	0·05	Koweit.§
...	...	...	...	...	...	...	...	...	...	...	4	...	...	1·49	...	...	1·49	...	...	1·06	Maidan.

‡‡ Snow water.
‖ Wind observations less 1.
¶ Mean of 24 days.
†† Wind observations less 4 and variable 1.
** Wind observations less 21



Reg No. 4003 E. 09—1.—5,500.

The lines of the above chart represent isobars or lines of equal barometric pressure, the numbers attached indicating the barometric pressure in inches and being drawn for differences of pressure of ·05 inch. The isobars in the Bay of Bengal are filled in by means of the shore observations, and by comparison with the normal distribution of pressure.

The mean 8 hrs. wind directions of the month are shewn by means of arrows flying with the wind, and are calculated by means of Lambert's formula applied to the winds as given in Table B of the 8 hrs. observations. The mean wind directions for the hill stations are indicated by broken arrows to distinguish them from the wind arrows for the plain stations. The mean velocity of the winds during the month is shewn by the following notation:—

Velocity of	0 to 2	miles per hour	...	one	feather added to the wind arrow.					
,, ,,	2 to 5	,, ,, ,,	...	two	feathers	,,	,,	,,	,,	,,
,, ,,	5 to 10	,, ,, ,,	...	three	,,	,,	,,	,,	,,	,,
,, ,,	10 to 20	,, ,, ,,	...	four	,,	,,	,,	,,	,,	,,
	over 20	,, ,, ,,	...	five	,,	,,	,,	,,	,,	,,

The chart shows the departure from normal of the mean during the month of 8 hrs. pressure by means of lines drawn for equal amounts of departure. The numbers are given in thousandths of an inch, 20 representing ·020 or two hundredths of an inch, &c. Continuous lines indicate that the pressure was in excess by amounts indicated by the numbers attached to the lines, and broken or dotted lines that it was in defect by amounts indicated by the numbers attached to the lines. Two parallel lines near to each other, one continuous and the other broken or dotted, represent the line of no departure, the dotted line facing the area of deficient pressure or negative departures.

PLATE III.

CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MAXIMUM TEMPERATURE.

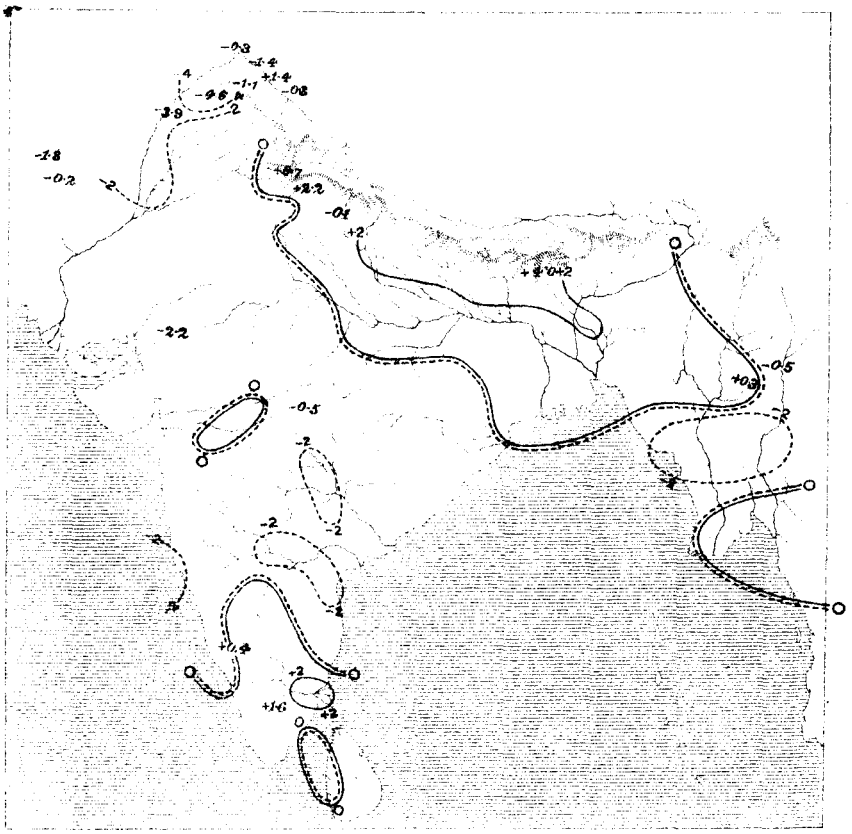
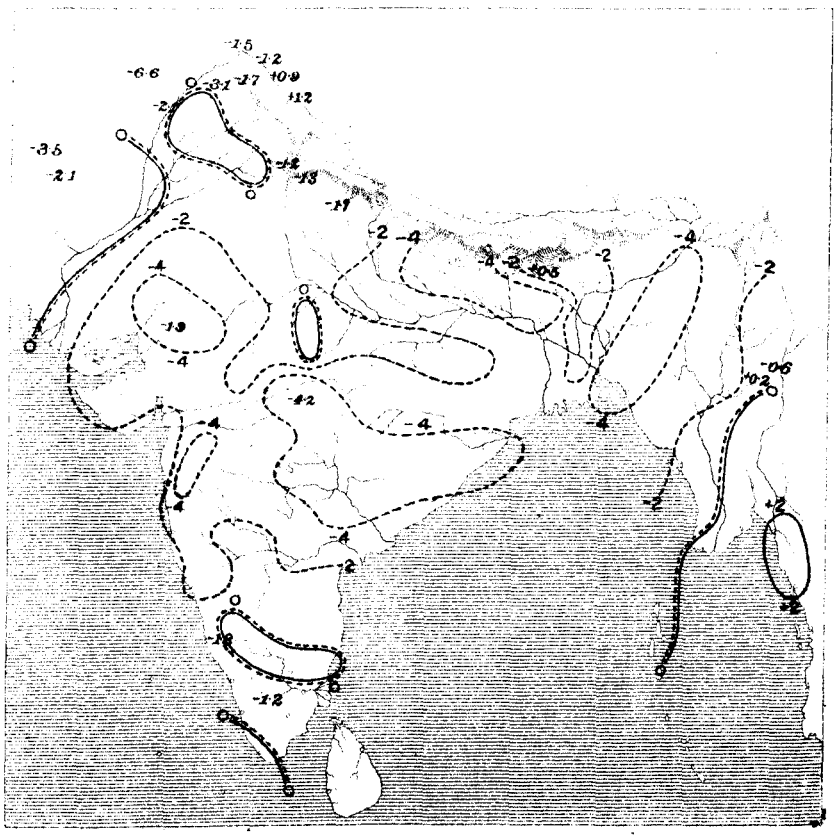


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.



LITHO. BY S. B. MUNDLE.

PLATE IV.

CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MEAN TEMPERATURE.

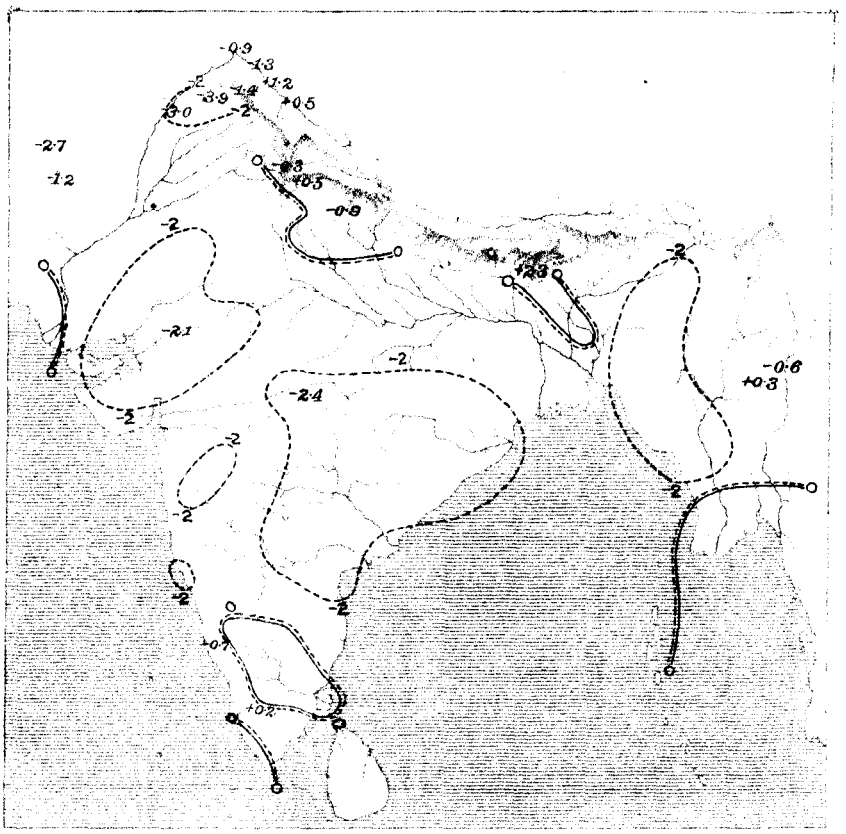


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.

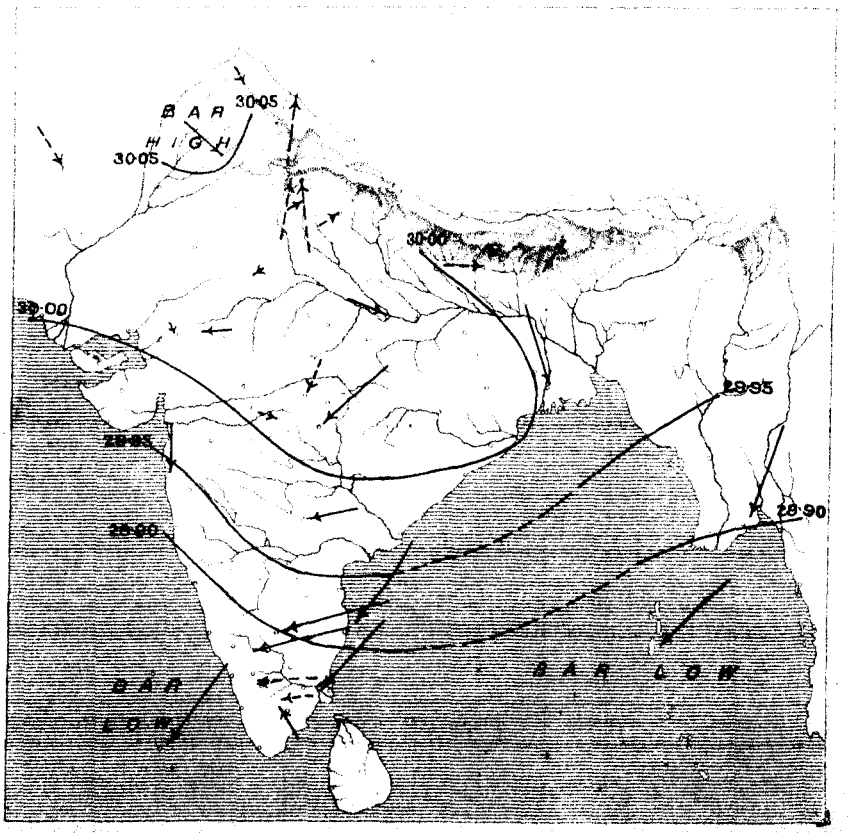


PLATE V.

CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF ABSOLUTE
HUMIDITY AT 8 HRS.

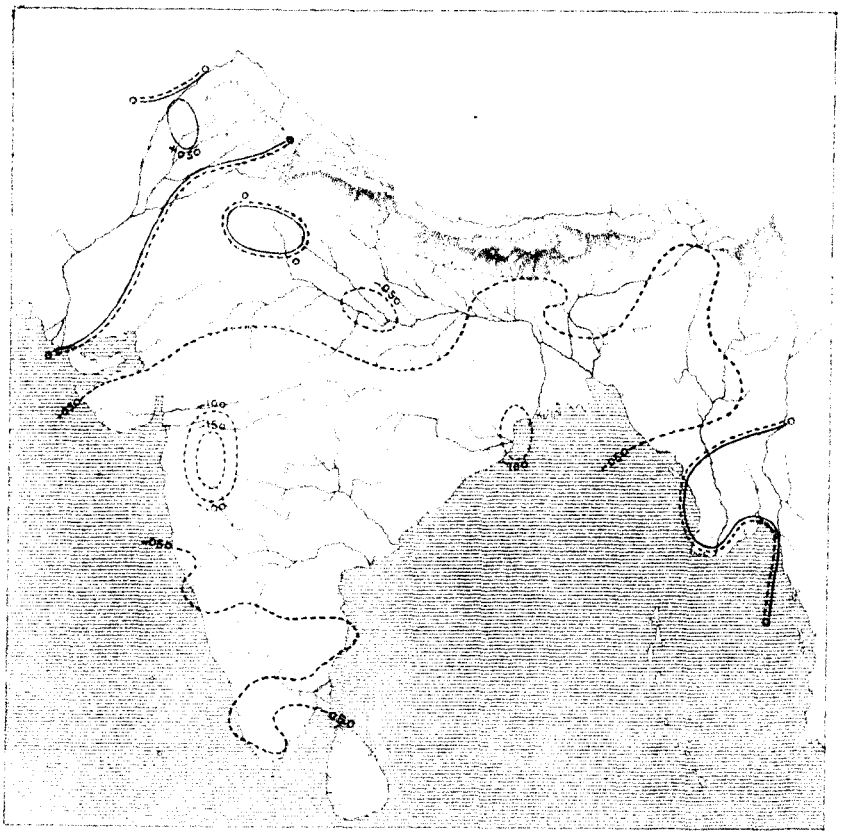


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF RELATIVE
HUMIDITY AT 8 HRS.

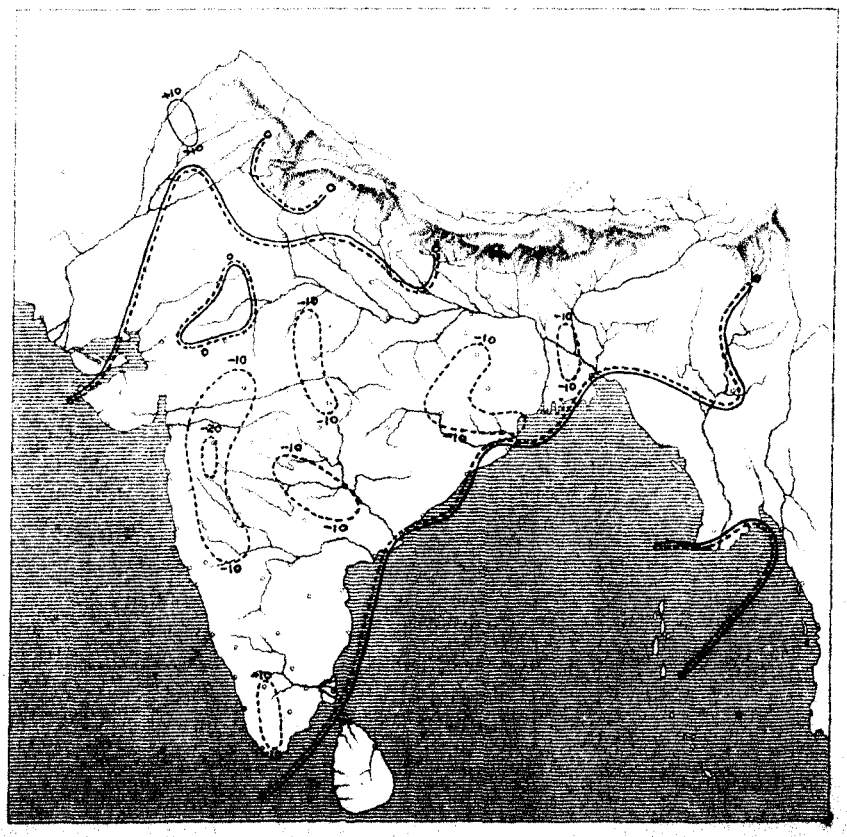


PLATE VI.

CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

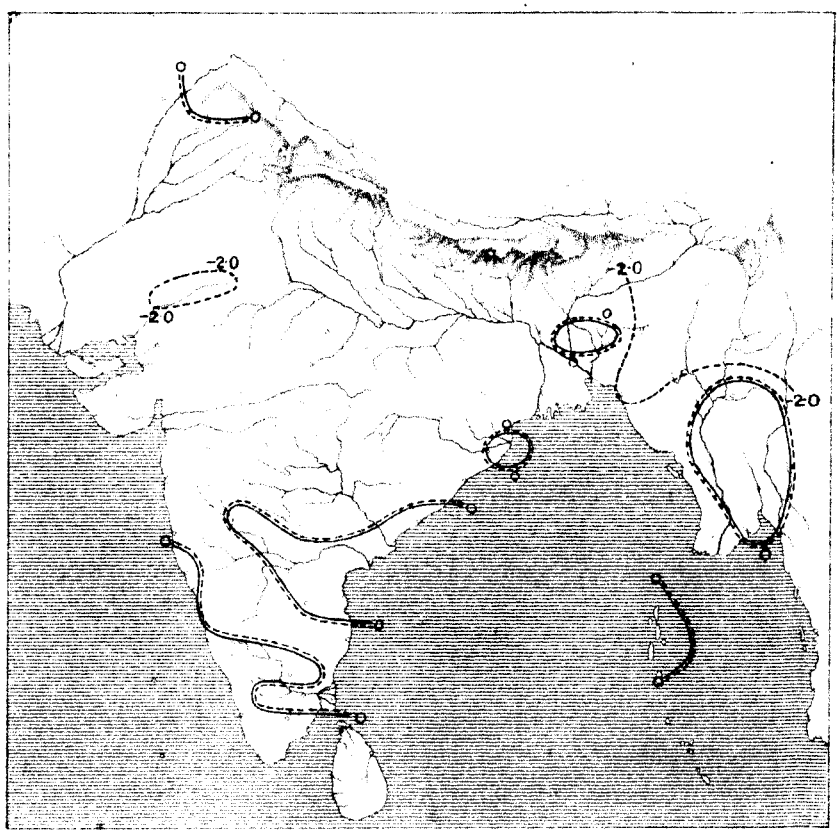
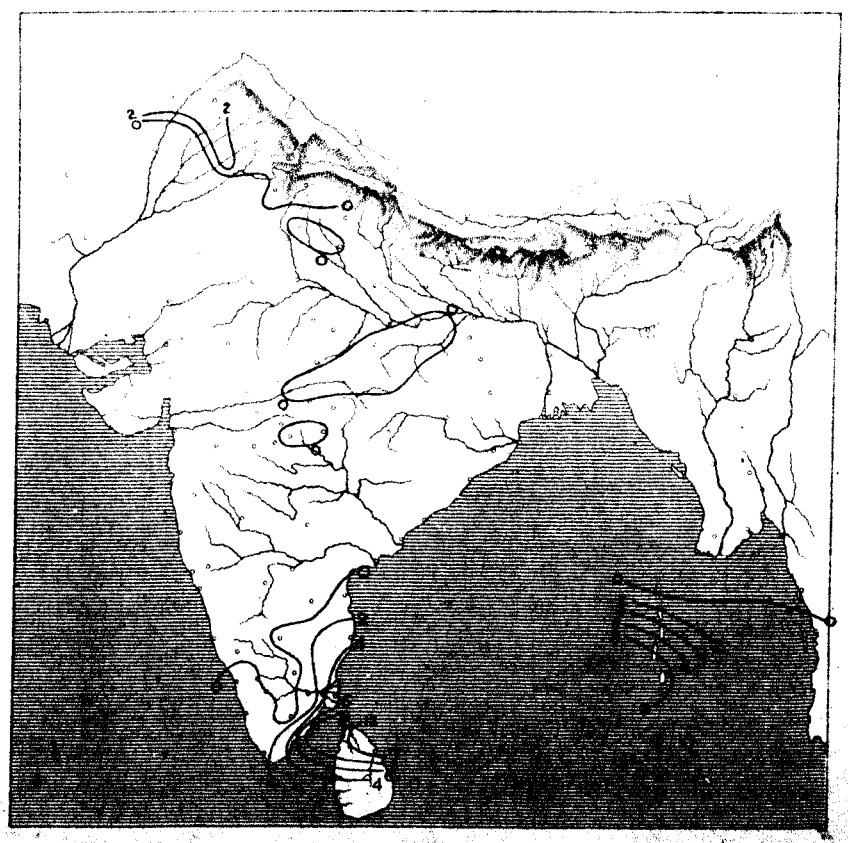
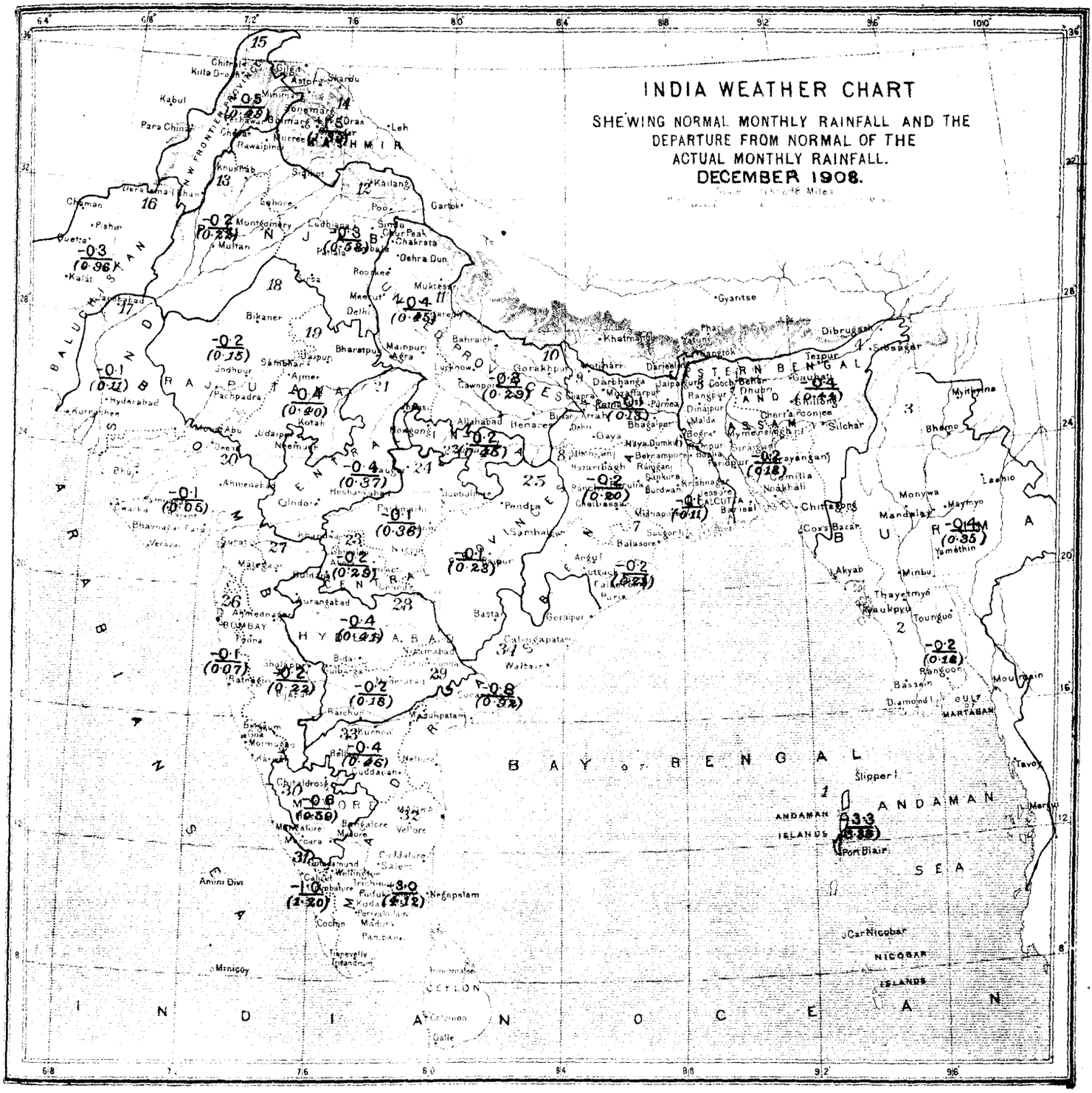


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)



LITHO. BY S.E.M.



Reg. No. 1653 E., 08.—Wr., India.—July 08—5,000.

Zinco. S. I. O., Calcutta.

The country is divided into 34 areas as shewn in the list below. The numbers in that list correspond with the red numbers on the chart, and serve to identify the areas. The numbers in brackets on the chart give the average over the divisions of the normal monthly rainfall; the numbers above these give the departures from normal of the average actual rainfall over the divisions.

1. Bay Islands
2. Lower Burma
3. Upper Burma
4. Assam
5. Eastern Bengal
6. Bengal
7. Orissa
8. Chota Nagpur
9. Bihar
10. United Provinces, East
11. Do., West
12. Punjab, East and North
13. Do., Southwest
14. Kashmir
15. Northwest Frontier Province
16. Baluchistan
17. Sind
18. Rajputana, West
19. Rajputana, East
20. Gujarat
21. Central India, West
22. Do., East
23. Berar
24. Central Provinces, West
25. Do., East
26. Konkan
27. Bombay, Deccan
28. Hyderabad, North
29. Do., South
30. Mysore
31. Malabar
32. Madras, Southeast
33. Madras, Deccan
34. Madras Coast, North