GOVERNMENT OF INDIA

India. METEOROLOGICAL DEPARTMENT

THE INDIA WEATHER REVIEW

FOR THE YEAR

1910

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MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, JANUARY, 1910.

INTRODUCTION.

THIS review of the weather in India during the month of January, 1910, is based on observations taken daily at 8 hrs. at 239 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 33 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.

Summary of the chief features of the weather in India during the month of January, 1910.

2. The peculiarly favourable conditions which had ushered in the winter rains in December proved to be very transient, for in January the weather was drier than usual over the greater part of northern and central India. Although about the usual number of disturbances appeared over the highlands of Persia and Baluchistan, only one of these advanced into India. Within India itself also a depression was formed, but its effect on the weather was confined to the northeast. Owing to these circumstances the monthly totals of precipitation failed to reach their normal values except in the case of Lower Burma, the province of Bengal excluding Bihar, Kashmir, the Punjab South-west, the North-West Frontier Province, Baluchistan, Sind, and Rajputana East, while in regard to excess of rainfall the North-West Frontier Province alone was conspicuous. In the region of scanty precipitation the deficit was most marked in Bihar, the United Provinces and the east of Central India, where it averaged half an inch or 66 per cent. Scarcely any rain fell during the month in the peninsula.

A similar transition from wet to dry weather occurred in the cold weather seasons of 1877-78 and 1885-86.

There was more cloud than usual in almost all parts of the country with the exception of northwest India, while humidity, both absolute and relative, was markedly in defect in Hyderabad and adjacent districts of the Bombay Deccan, and well above the normal in Tenasserim, Orissa, Ganjam and Chota Nagpur. Temperature conditions differed little from the normal in the plains, the departures of mean temperature being less than $1\frac{1}{2}°$ in almost all the larger divisions. In Baluchistan and the central parts of Kashmir both day and night temperatures were decidedly lower than usual, the latter to a greater extent than the former. A spell of abnormally cool weather was experienced during the third week over northern India, and particularly in Baluchistan where unprecedentedly low temperatures were recorded on the 15th and 17th. Atmospheric pressure at the earth's surface was ·038″ in defect of the normal. This defect in northwest India decreased slightly with elevation, with the result that the vertical gradient there was not so steep as usual.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar observations.*—January was, as usual, a fine month but there were two days on which prominence observations were not possible and 8 other days on which the prominence record was imperfect.

Sunspots.—There were 17 new spot groups in the month, with a daily average of 3·5, and an average life of 5·7 days. Though the daily average was above that of September there are distinct signs that the solar activity is rapidly falling off, for there were no less than seven days on which only one group was visible and four other days on which there were only two groups of spots. Groups Nos. 1811 and 1813 were returns of 1793 and 1797 respectively. The northern spots had a much lower mean latitude than the southern ones. In longitude the new groups of the month were confined to two definite regions; five of them lay between 246° and 320° and the rest between 18° and 136°: the former contained only one southern spot.

The latitude distribution was as follows:—

TABLE 1.

	1°—10°.	11°—20°.	Extreme latitudes.	Mean latitude.
North . . .	6	...	1°, 7°	4°·5
South . . .	6	5	2°, 16°	9°·7

Groups Nos. 1804, 1806, 1811 and 1813 contained fairly large spots.

Prominences.—Forty-five large, 7 eruptive, and 3 metallic prominences were recorded during the month. The tallest of them, photographed at +33° west on the 15th, was a slanting streak 210″ high which underwent some changes of form and soon disappeared. The most eruptive prominence of the month was observed near the west limb on the 7th, associated with spot No. 1793. Its spectrum showed considerable motion in the line of sight both towards and away from the observer, and its form underwent great and rapid changes; in the Ca photograph taken at $11^h\ 8^m$ it consisted of several slanting arches running into one another.

Magnetic disturbances.—"Moderate" magnetic disturbances were recorded on the 17th, 18th and 24th to 27th. The big spot No. 1804 crossed the central meridian on the 15th, Nos. 1806, 1807 and 1808 on the 24th and 1810 and 1811 on the 28th.

Kodaikanal Observatory seismological records for the month of January, 1910.

TABLE 2.

No.	Date,	P. T. Commencement G. M. T.	L. W. Commencement G. M. T.	Maxima. G. M. T.	End.	Amplitude Maxima.	Duration.	REMARKS.
		H. M.	H. M.	H. M.	H. M.	mm.	H. M.	
1	January 1	11 22·3	12 28·7	12 46·5	14 06	0·4=0·2	2 44	
2	,, 8	14 59·9?	15 21·5	15 23·0	15 59	0·4=0·2	0 59	
3	,, 14	8 40·3	8 52·8	8 53·8	9 14	0·4=0·2	0 34	
4	,, 15	22 34·1	...	...	23 10	...	...	Widening of line.
5	,, 22	8 54·7	9 33·6	9 36·2		0·9=0·5	2 32	
				43·4	11 27	1·0=0·5		
6	,, 23	19 36·2	20 08·1	20 11·2	21 09	0·3=0·2	1 32	
7	,, 30	4 09·6	4 40·3	4 43·4	5 26	0·6=0·3	1 15	Sheet marked 4^h 47^m.

C. MICHIE SMITH,

Director, Kodaikanal and Madras Observatories.

BOMBAY OBSERVATORY.

The report for January has not yet been received. The following report relates to December, 1909.

Alibag magnetic record.

4. During the month of December, 1909, the traces showed 12 calm days, 17 days of small and 2 days of moderate disturbance.

The days of the month selected as "quiet" for the purposes of the Magnetic Survey of India are the 5th, 8th, 11th, 24th, and 29th.

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 . . .	0° 59′ 11″	
Horizontal force . . .	0·36849	C. G. S. unit.
Vertical force	0·16052	,, ,,
Dip (calculated) . . .	23° 32′·3	
Dip (observed) . . .	23° 31′·8	
Horizontal force range . . .	0·00042	C. G. S. unit.
Horizontal force summed range .	0·00266	,, ,,
Declination range . . .	1′·4	
Declination summed range . .	7′·4	

(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 during the month :—

TABLE 3.

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

List of disturbances.

TABLE 4.

Date.	Commencement.		Mbximum.		End.		Maximum amplitude.	Duration.	
	H.	M.	H.	M.	H.	M.	mm.	H.	M.
Dec. 9th, 1909 .	16	19·5	16	48·9	17	29·3	0·7	1	9·8
„ „ „ .	22	8·1	22	30·8	22	43·8	0·4	0	35·7
„ „ & 10th, 1909.	23	48·1	0	6·0	0	31·2	0·5	0	43·1
„ 22nd „ .	13	47·5	13	58·6	14	13·5	0·3	0	26·0

All times given above denote G. M. T.
Sensibility to tilt, 1 mm. = 0″·36.

N. A. F. MOOS,
Director,
Bombay Observatory.

CALCUTTA OBSERVATORY.

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

TABLE 5.

Date. 1910.	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.	
Jan. 1st	11	32·6	12	22·4	12	36·2	13	53·6	2	21·0	1·50	
„ 8th	15	1·5	15	7·1	15	9·2	15	39·7	0	38·2	0·75	
Jan. 9th	9	13·7	—		9	14·2	9	19·2	0	5·5	1·25	
„ 15th	22	29·3	—		22	36·9	23	4·4	0	35·1	1·00	
„ 20th	17	44·4	—		17	46·9	17	52·0	0	7·6	0·75	
„ 22nd	9	4·1	9	24·9	9	35·6	10	58·4	1	54·3	3·25	
„ 23rd	19	23·3	—		—		21	14·1	1	50·8	—	Thickening of the line.
„ 30th	3	43·0	4	37·9	4	53·7	6	25·2	2	42·2	1·50	

Sensibility throughout 1 mm.=0″·38 of tilt.

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing seismographs.*

TABLE 6.

Date	Beginning of 1st P. T.		Beginning of 2nd P. T.		Beginning of L. W.		Time of maximum amplitude.		End approximately.		Duration.		Maximum displacement of style.	Remarks.
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	mm.	
1st (A)	11	23·4	...		?		12	14·4	12	40	1	1	1	
(B)	12	13·7?	...		...		...		12	34	0	20	Small†	
8th (A)	15	2·2	...		15	10·6	15	10·9	15	35	0	33	2	Origin about 2,000 miles distant.
(B)	...		...		15	9·4	15	10·1	15	20	0	11	1·5	
13th (A)	8	40	...		8	41·2	8	41·4	9	0	0	20	1	Origin about 350 miles distant.
(B)	8	40	...		...		8	41·4	8	45	0	5	1	
15th (A)	...		...		22	28	...		22	48	0	20	Small†	Tremor.
(B)	...		...		22	28	...		22	42	0	14	Small†	„
22nd (A)	8	58·5	9	2·6	9	7·5	9	22·5	10	8	0	10		Origin about 2,000 miles distant.
(B)	9	7·7	?		?		9	23·5	9	48	0	40	1·5	
23rd (A)	...		...		12	41·3	...		12	52	0	10	Small†	Very slight local shock.
(B)	...		...		12	41·6	...		12	45	0	3·8	„	„ „ „

All times are given in G. M. T.
A = E—W component.
B = N—S component.

Magnification of each instrument was 15.
† Displacements less than 0·2 mm. are reported as "Small".

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

TABLE 7.

Place at which felt.	Date.	G. M. T. of earthquake.		Duration.	Intensity.	No. of shocks.	REMARKS.
		H.	M.				
Drosh . . .	9th	1	45	3 secs.	4	2	
Chitral . . .	14th	18	15	25 „	4	2	
Chaibassa . . .	„	19	3	40 „	4	1	
„ . .	„	23	45	15 „	4	1	
Drosh . . .	23rd	12	45	2 „	4	1	
„ . . .	28th	23	30	2 „	4	1	

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	1·40
Mean	1·48
Number of days of observation . . .	12

J. PATTERSON,

Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. *Solar observations*—

(*No report has yet been received.*)

Weather in the Indian monsoon region.

8. No information has been received from Mauritius. In the sub-equatorial region as a whole both pressure and rainfall were in defect of the normal.

TABLE 8.

—	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	...	—·020	—·023
Actual mean wind direction .	...	N 30° E	N 38° W
Normal mean wind direction .	...	N 33° E	N 39° W
Actual mean wind velocity (miles per diem).	...	156	173
Normal mean wind velocity (miles per diem).	...	187	147
Rainfall departure from normal .	...	+1·77	—3·28

Depressions and cyclonic storms.

9. Four disturbances appeared over the plateaux of Iran and Baluchistan, but they belonged to a type different from that proper to the cold weather season and their influence on the weather in India was comparatively small. The first, second and fourth of the series travelled along a path which presumably led them into Afghanistan and Turkestan, and their effect in India was restricted to the mountainous zone constituting the eastern boundary of the region traversed, namely Baluchistan, the North-West Frontier Province and Kashmir.

The third of the series passed on the 13th into Sind and was thence transmitted northeastwards into the central Punjab where it disappeared on the 16th. It was fairly well marked and occasioned nearly general and in places heavy precipitation over north-west India, and some showers in the east of the United Provinces and of Central India.

An examination of the abnormalities of the pressure conditions prevailing in the lower and middle strata of the atmosphere over north-west India shows that all four disturbances were propagated at a very low elevation, and the unusual course pursued by them may have been, in part at least, attributable to this circumstance. In addition to these disturbances of extra-Indian origin, a locally-formed depression was recorded. This apparently arose on the 8th in the neighbourhood of Sambalpur, where high temperatures had prevailed for some days, and was thence displaced slowly eastwards across the head of the Bay. Although very ill-defined, it was the cause of numerous showers in north-east India. As regards the general characteristics of disturbances there was a striking resemblance between this month and the corresponding month of 1909.

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 divided 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.	Nowgong.
Akyab.	Dinajpur.	Perim.
Arrah.	Faridpur.	Rangoon.
Barisal.	Gorakhpur.	Rangpur.
Bhamo.	Jalpaiguri.	Ratnagiri.
Bogra.	Midnapore.	Sambhar.
Bushire.	Minbu.	Tavoy.
Chapra.	Monywa.	Toungoo.
Cochin.	Mymensingh.	Yamethin.
Comilla.	Negapatam.	Zanzibar.
Cuddapah.	Noakhali.	

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

Colombo.	Patiala.	Trivandrum.
Dehra.	Pusa.	
Goa.	Trincomalee.	
Katmandu.		
Kurnool.		

At Calcutta and Bombay 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 these 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 notes 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, at 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 22 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," Vol. 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.

In January this year on the mean of the month and of the whole country barometric pressure, as measured in the lowest stratum of the atmosphere, was ·038″ below the normal value for January. The deficit was common and approximately uniform over the whole Indian region :—

TABLE 9.

DIVISION.	Departure from normal of mean 8 hrs. pressure.
	″
Burma	—·041
Eastern Bengal and Assam	—·031
Bengal	—·037
United Provinces	—·031
Punjab	—·028
North-West Frontier Province	—·043
Sind	—·039
Rajputana	—·029
Bombay	—·043
Central India	—·039
Central Provinces	—·042
Hyderabad	—·043
Mysore	—·039
Madras	—·044

The vertical gradient was very steep in the south of the Peninsula, but somewhat less marked than usual in northern and central India :—

TABLE 10.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference. B—A.
	″		″	″
Quetta	—·030	Jacobabad	—·037	—·007
Leh	—·007	Lahore	—·036	—·029
Murree	—·033	Peshawar	—·039	—·006
Simla	—·020	Ludhiana	—·025	—·005
Chakrata	—·028	Roorkee	—·026	+·002
Darjeeling	—·032	Jalpaiguri	—·046	—·014
Mount Abu	—·039	Deesa	—·042	—·003
Pachmarhi	—·038	Khandwa	—·042	—·004
Kodaikanal	—·054	Madura	—·026	+·028

Thus the pressure distribution, vertical as well as horizontal, proved to be such as is usually characteristic of a mild winter season.

Temperature.

11. The mean temperature data are given in A and B 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, p. 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 hours 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 Volume 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 means with normal means calculated in the same manner. The normal means derived from all the available trustworthy temperature data or 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 are restandardised from time to time: 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 the help 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 them 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," Vol. XVII, and are based on the data for the twenty-two years, 1878 to 1899.

In January this year both day and night temperatures were below the normal in Upper Burma and a large part of the plains of northern India, and in excess in the peninsula. The magnitude of the departures was however small, not exceeding 2° at the great majority of the observing stations. In the hill districts of northwest India the deviations from the normal of temperature were very irregular, an indication that they were determined by local rather than general actions. Thus while in Baluchistan the weather was appreciably cooler than usual, both by day and night, in the Simla and Mussoorie hills day temperature was well above the average, and night temperature very nearly normal. In Kashmir temperature was markedly low at Sonemarg and Skardu, and about the average at the other stations.

The storm which crossed into northwest India from the west at the end of the second week was preceded by a fairly well marked warm wave, and was followed by an intense cold wave. Large changes of temperature were in consequence felt over northern India during the course of the third week. The effects of the cold wave were most marked in Baluchistan where some extraordinarily low temperatures were recorded. Thus the thermometer fell to zero at Chaman on the early morning of the 15th and to 0·5° at Quetta on the 17th, while the thermometer at Quetta never rose beyond 11° on the 15th, even at the hottest time of day.

TABLE 11.

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

TABLE 12.

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	84·1	75·7	79·9	8·4	14·9	—1·5	—0·9	—0·6
2. Lower Burma	85·0	64·7	74·9	20·3	30·2	—0·5	+1·2	—1·7
3. Upper do.	79·1	51·7	65·4	27·4	37·6	—2·5	—0·6	—1·9
4. Assam	73·2	50·9	62·1	22·3	33·5	—0·6	—0·6	0
5. Eastern Bengal	74·8	51·5	63·2	23·4	32·0	—0·9	—0·6	—0·3
6. Bengal	76·5	54·4	65·4	22·1	31·3	—1·1	0	—1·1
7. Orissa	80·9	59·4	70·2	21·4	31·9	—1·4	+1·7	—3·1
8. Chota Nagpur	74·2	51·2	62·7	23·0	35·8	—3·0	+0·3	—3·3
9. Bihar	73·2	48·3	60·8	24·9	33·0	—0·9	—2·3	+1·4
10. United Provinces, East	72·4	45·2	58·8	27·2	37·4	—1·3	—2·5	+1·2
11. Do. do., West	69·9	45·0	57·5	24·9	40·3	—1·3	—1·6	+0·3
12. Punjab, East and North	66·6	42·3	54·4	24·3	42·5	—1·4	—0·7	—0·7
13. Do., Southwest	68·0	42·8	55·4	25·1	39·5	—0·8	+0·6	—1·4
14. Kashmir	31·9	10·2	21·0	21·6	44·4	—1·7	—3·8	+2·1
15. North-West Frontier Province	63·9	39·9	51·9	24·1	39·1	—2·3	—0·1	—2·2
16. Baluchistan	53·5	32·0	42·7	21·5	57·3	—2·7	—4·0	+1·3
17. Sind	73·9	50·2	62·1	23·8	43·4	—1·4	—0·4	—1·0
18. Rajputana, West	74·0	47·1	60·5	26·9	43·3	—0·1	—2·3	+2·2
19. Ditto. East	73·7	46·5	60·1	27·2	44·7	—1·2	—0·8	—0·4
20. Gujarat	81·9	54·7	68·4	27·2	44·7	—0·4	—0·1	—0·3
21. Central India, West	78·9	48·9	63·8	30·0	44·9	+0·3	—0·4	+0·7
22. Do., East	74·3	46·7	60·5	27·7	45·3	—0·8	—0·7	—0·1
23. Berar	84·1	56·9	70·4	27·2	40·0	+0·5	+1·0	—0·5
24. Central Provinces, West	80·2	51·9	66·1	28·3	43·7	0	+0·1	—0·1
25. Do., East	80·4	53·8	67·1	26·6	38·6	—0·3	+0·5	—0·8
26. Konkan	86·0	67·1	76·5	18·8	29·8	0	—0·1	+0·1
27. Bombay Deccan	86·6	55·3	71·0	31·4	43·3	+1·3	+0·1	+1·2
28. Hyderabad, North	86·0	55·6	70·8	30·4	41·7	+1·2	—1·0	+2·2
29. Do., South	87·2	61·5	74·3	25·7	35·7	+1·3	+0·8	+0·5
30. Mysore	83·8	58·7	71·3	25·1	32·8	+1·5	+0·9	+0·6
31. Malabar	87·8	70·6	79·2	17·2	23·6	+0·3	+0·4	—0·1
32. Madras, Southeast	86·8	68·0	77·4	18·8	26·3	+1·3	+0·2	+1·1
33. Do. Deccan	90·3	63·0	76·7	27·3	36·1	+2·0	+1·8	+0·2
34. Do. Coast, North	83·3	67·2	75·3	16·1	24·4	+1·2	+2·1	—0·9

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 direction", "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 from the same direction (*i.e.*, throughout the whole of the 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 the 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."

(*a*) In January this year the rate of air movement was up to the average in Burma and the peninsula, and slightly less than usual in most parts of northern India.

(*b*) The direction of air circulation did not deviate to any marked extent from the normal type.

Both these features were, it may be noted, related to the absence of cold weather storms.

TABLE 13.

DIVISION.	DEPARTURE FROM NORMAL OF	
	Hourly wind velocity.	Wind steadiness.
Burma	0	+12
Eastern Bengal and Assam	—0·7	— 1
Bengal	—0·4	— 4
United Provinces	—0·9	— 8
Punjab	+0·1	+10
North-West Frontier Province	—0·9	+ 1
Sind	—0·4	+ 3
Rajputana	—0·1	+ 2
Bombay	—0·8	— 6
Central India	—1·1	+17
Central Provinces	+0·4	+ 3
Hyderabad	—1·5	+25
Mysore	+0·9	— 7
Madras	+0·9	+ 2

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 the normal mean. The hygrometric data are taken from the tables accompanying "*The Indian Meteorologist's 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 show 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.

In January this year humidity, both absolute and relative, was more or less above the average in Mysore, Orissa, Chota Nagpur, the greater part of the Central Provinces and of north-west India and Lower Burma, while it was in defect over practically the whole of the remainder of India. The air was excessively dry in Hyderabad and the adjacent districts of the Bombay Deccan, where the percentage of saturation was from 10 to 17 below the normal.

The quantity of cloud was generally in defect over the tract of country extending eastwards from the Indus Valley to Bihar and also locally at a few places elsewhere, and above the customary amount over the rest of the country.

TABLE 14.

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	87	+4	·517	+·014	2·4	+0·5
Eastern Bengal and Assam	83	−3	·401	−·018	2·9	+0·3
Bengal	81	+2	·389	+·008	1·2	+0·9
United Provinces	81	+2	·297	−·007	1·3	−1·2
Punjab	83	+5	·263	+·008	2·3	−1·5
North-West Frontier Province.	77	+7	·219	+·014	3·3	−0·7
Sind	64	+1	·280	+·012	1·7	−1·4
Rajputana	63	+4	·243	−·020	1·1	−1·7
Bombay	59	−2	·372	−·021	1·2	+0·2
Central India	63	−3	·263	−·031	2·0	+0·4
Central Provinces	63	+1	·331	+·008	1·6	+0·2
Hyderabad	56	−7	·380	−·037	1·3	+0·1
Mysore	71	+1	·461	+·004	3·1	+0·7
Madras	77	−1	·629	−·006	3·5	+1·0

For three-fourths of the whole country the departures of humidity and cloud were independent of those of rainfall.

Rainfall.

14. Rainfall observations are made at about 2,000 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 officer in the province, and are 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.

As has been pointed out in a previous section, only one of the four disturbances which started eastwards from the Perso-Baluchistan region actually entered India, and even this one failed to travel beyond north-west India. A locally formed depression however gave numerous showers over the greater part of north-east India. As a result of the abnormal character of the disturbances the aggregate precipitation of the month over northern India was very irregularly distributed, being normal or above it over the whole of Bengal exclusive of Bihar, the Punjab, Kashmir, the North-West Frontier Province, Baluchistan, Sind and Rajputana, and below the average in the region comprising Bihar, the United Provinces and Central India. The fall was remarkably heavy in the North-West Frontier Province which received 3·8″ in place of the normal 1·4″.

Over the greater part of the peninsula there was practically no rain, but since the normal fall of January in that area is approximately only a quarter of inch the actual deficiency was not large in amount.

TABLE 15.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
			"	"	"	
1. Bay Islands	0·5	1·5	0·53	0·61	—0·08	—13
2. Lower Burma	0·2	0·1	0·12	0·05	+0·07	+140
3. Upper do.	0·2	0·3	0·06	0·10	—0·04	— 40
4. Assam	1·5	1·9	0·47	0·75	—0·28	— 37
5. Eastern Bengal	0·8	0·9	0·34	0·46	—0·12	— 26
6. Bengal	1·3	0·9	0·85	0·42	+0·43	+102
7. Orissa	1·6	0·5	0·67	0·26	+0·41	+158
8. Chota Nagpur	1·8	1·1	0·85	0·51	+0·34	+ 67
9. Bihar	0·3	1·4	0·10	0·70	—0·60	— 89
10. United Provinces, East	0·6	1·6	0·16	0·75	—0·59	— 79
11. Do., West	1·4	2·0	0·62	0·98	—0·36	— 37
12. Punjab, East and North	1·7	2·4	1·25	1·29	—0·04	— 3
13. Do., Southwest	1·7	1·3	0·70	0·56	+0·14	+ 25
14. Kashmir	4·4	5·1	3·48	3·49	—0·01	0
15. North-West Frontier Province	4·1	2·5	3·80	1·37	+2·43	+177
16. Baluchistan	3·3	2·9	1·91	1·28	+0·63	+ 49
17. Sind	0·6	0·8	0·47	0·28	+0·19	+ 68
18. Rajputana, West	0·2	0·5	0·08	0·16	—0·08	— 50
19. Do., East	0·8	1·0	0·42	0·39	+0·03	+ 8
20. Gujarat	0·1	0·1	0·03	0·04	—0·01	— 25
21. Central India, West	0·3	0·8	0·08	0·32	—0·24	— 75
22. Do., East	0·9	1·8	0·24	0·86	—0·62	— 72
23. Berar	0	0·5	0	0·29	—0·29	—100
24. Central Provinces, West	0·6	1·0	0·21	0·55	—0·34	— 62
25. Do., East	0·4	0·8	0·11	0·40	—0·29	— 73
26. Konkan	0	0·2	0	0·13	—0·13	—100
27. Bombay Deccan	0	0·2	0	0·10	—0·10	—100
28. Hyderabad, North	0	0·2	0	0·08	—0·08	—100
29. Do., South	0	0·2	0	0·08	—0·08	—100
30. Mysore	0	0·1	0	0·06	—0·06	—100
31. Malabar	0·1	0·2	0·03	0·22	—0·19	— 86
32. Madras, Southeast	0·8	1·0	0·35	0·70	—0·35	— 50
33. Do. Deccan	0	0	0	0·10	—0·10	—100
34. Do. Coast, North	0·1	0·3	0·04	0·23	—0·19	— 83

TABLE 16.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	0·09	0·08	+0·01	+ 13
Eastern Bengal and Assam	0·40	0·61	—0·21	— 34
Bengal	0·57	0·50	+0·07	+14
United Provinces	0·38	0·86	—0·48	—56
Punjab	1·14	1·14	0	0
North-West Frontier Province	3·80	1·37	+2·43	+177
Sind	0·47	0·28	+0·19	+68
Rajputana	0·34	0·33	+0·01	+ 3
Bombay	0·01	0·09	—0·08	—89
Central India	0·15	0·54	—0·39	—72
Central Provinces	0·10	0·41	—0·31	—76
Hyderabad	0	0·08	—0·08	—100
Mysore	0	0·06	—0·06	—100
Madras	0·18	0·44	—0·26	— 59
Mean of India when the size of the above areas is taken into account	0·35	0·45	—0·10	— 22

Snowfall.

I.—AFGHANISTAN.

15. Several severe snowstorms occurred in Kabul. The aggregate fall received there measured about 2 feet in depth. Much snow is said to have fallen also in south Afghanistan and Russian central Asia about the middle of the month.

II.—NORTH-WEST FRONTIER PROVINCE.

(*a*) *Wano.*—Snow fell on the surrounding hills from the 11th to 13th, and again on the 15th and 16th. All these falls with the exception of that of the 11th extended to the plain of Wano, at which place the aggregate amount received was estimated at about 7 inches. The statement below shows the character of the fall in this region :

TABLE 17.

Locality.	Total snowfall of month.	
	Feet.	Inches.
Marwatti, Pirghal, Bosh and Dre Nashtar	3	8
Spera	2	9
Jani Mela, Karkana, Naboti and Kundighar	2	2
Kotkun	1	4
Surrounding hillocks	0	9
Wano plain	0	7

The accumulations at the end of the month were only about 3 inches in thickness.

(*b*) *Tochi* (*North Waziristan*).—Satisfactory snowfall is reported to have occurred on all the hills in North Waziristan ; the lowest level reached by the snowline was 4,000 feet.

(*c*) *Dera Ismail Khan.*—Snowfall was heavier than usual on the Takht-i-Suleman, Kharghar Narai, Ubashta, Chesanghar, Marmand, Turghar and Naveteza peaks. The largest quantity received on the Takht-i-Suleman on any single day was 6½ feet on the 12th. Falls of similar depth are said to have occurred on the Ubashta on the 9th and 10th.

The statement below gives the reported depth of snow accumulations on the various peaks at the end of the month.

TABLE 18.

Name of peak.	Depth of snow accumulation on the last day of the month.
Takht-i-Suleman	4 feet.
Kharghar Narai	1 foot.
Ubashta	5 feet.
Marmand	3 "
Chesanghar	½ foot.
Zmaraighar or Turghar	½ "
Naveteza	½ "

Weather was unusually cold and damp.

(*d*) *Kurram.*—There were in all ten falls on the Sufed Koh, and eight of these extended to a slightly lower level than that of Parachinar. On the last day of the month there was still an accumulation of about 2 feet on the Paiwar Kotal.

(*e*) *Kohat.*—Snowfall was of daily occurrence on the Samana range from the 11th to the 14th, and on the Thall.

and Samalzai hills from the 13th to the 16th. The statement below shows the total falls recorded in the various localities.

TABLE 19.

Locality.	Total amount received during the month.	
	Feet.	Inches.
Samana range	4	0
Darra Kholah	2	0
Dandoghar	5	0
Azarohghar	4	0
Mandatighar	3	0
Watezighar	3	0
Darsamandghar	3	0
Khodemukhghar	1	0
Mahorahghar	4	1
Dappa Bar Mohd. Khel	4	1
Mozioghar	2	7
Landokughar	2	7
Krumb	2	7
Tanga Ustari Khel	2	5
Moulaghar	2	5
Mullaghar	0	3

(*f*) *Chitral.*—There was an almost continuous fall of snow from the 12th to the 15th. The total quantity received in Chitral itself was at least five feet, but as much as 15 feet was believed to have fallen on the surrounding mountains. A second but less severe storm occurred on the 20th. At the close of the month all the passes were closed and in the grounds of the observatory the unmelted snow measured about 3 feet in depth.

III.—KASHMIR.

Snowstorms were of frequent occurrence, chiefly during the second and third weeks. The aggregate fall was about equal to the average.

IV.—PUNJAB.

(*a*) *Murree.*—A total of 14 inches fell at Murree on three days, and of 3½ feet on the hills near Kahuta on two days.

(*b*) *Dalhousie.*—There was only one snow storm, *viz.*, on the 16th. The fall at Dalhousie was 6 inches deep, but heavier falls were believed to have occurred at Bakrota, Kalatop, Khajiar and Dainkund.

(*c*) *Kilba.*—Snow fell on the 6th, 7th, 12th, 16th and 17th. The snowline, which had been at an elevation of about 6,000 or 7,000 feet on the first two occasions, came down to the level of the river bed on the 16th and 17th. On the last day of the month there were from 3 to 5 feet of snow on the Brua, Harang, Shatul and Buldar passes which were therefore closed.

V.—UNITED PROVINCES.

(*a*) *Garhwal.*—There were snowstorms on the 8th and 10th, and from the 15th to the 18th. The fall on the 16th was heavy and descended to a level of about 6,000 feet. The weather was generally mild, and there was a marked absence of snowfall on the central and outer ranges.

(*b*) *Almora.*—Snowstorms were of occasional occurrence, chiefly during the second half of the month. The total fall measured 18½ feet on the Nuwe pass, 9 feet on the Untadhura and Ralamdhura, and 4 feet in Byans and Chaudas. The snowline came down from the perpetual snows to the inhabited area.

The statement below shows a comparison of the reported depth of snow accumulations on the various peaks and passes with the mean values.

TABLE 20.

NAME OF PASS OR PEAK.	DEPTH OF ACCUMULATION AT THE END OF THE MONTH.	
	Reported.	Normal.
Nuwe pass	47 feet	31 feet
Untadhura	9 "	18½ "
Ralamdhura	9 "	12 "
Binkaru pass	16 "	27½ "
Lipulekh "	10 "	17½ "

SUMMARY.

16. So far as can be judged from the available information the snowfall was much heavier than usual in Afghanistan and the mountainous region of the North-West Frontier Province, and below the normal in the western Himalayas. The accumulations in the Simla and Almora hills, for which alone sufficient information on the point is forthcoming, were not quite as deep as is usual in January.

HEM RAJ.

TABLE A—Abstract of observations taken at 10 hrs. and 16 hrs. at 33 stations in India, etc., in January, 1910.

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. Mean of 10 hrs.	Pressure. Mean of 16 hrs.	Pressure. Mean daily range.	Pressure. Mean of daily mean pressures.	Pressure. Departure from normal.	Pressure. Mean reduced to sea-level and gravity, 45° Lat.	Temperature of air. Mean maximum.	Temperature of air. Mean minimum.	Temperature of air. Mean daily range.	Temperature of air. Highest maximum.	Temperature of air. Lowest minimum.	Temperature of air. Absolute range.	Temperature of air. Mean 10 hrs.	Temperature of air. Mean 16 hrs.	Temperature of air. Mean of daily means.	Temperature of air. Departure from normal.	Temperature, Wet-bulb. Mean minimum.	Temperature, Wet-bulb. Mean 10 hrs.	Temperature, Wet-bulb. Mean 16 hrs.	Temperature, Wet-bulb. 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 . .	18	29·978	29·847	·131	29·912	−·036	29·867	89·3	65·6	23·7	93·1	60·2	32·9	77·8	88·6	75·5	+0·8	62·9	68·1	70·5	67·2
	III.—Bengal.																					
6	Calcutta . .	21	30·054	·925	·129	·980	−·038	·947	76·7	56·1	20·6	80·5	49·8	30·7	69·2	75·3	65·5	+0·3	54·6	60·8	63·5	59·6
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad . .	309	29·780	·656	·124	·705	−·021	·981	73·0	46·5	26·5	81·3	41·8	39·5	62·7	72·1	58·0	−1·5	45·6	54·2	57·0	52·3
11	Dehra Dun . .	2,233	27·759	27·672	·087	27·704	−·036	·979	67·5	44·1	23·4	77·0	40·0	37·0	57·6	63·9	54·9	+0·3	41·9	50·7	53·9	48·8
	V.—Punjab.																					
12	Lahore . .	702	29·349	29·262	·087	29·296	−·030	30·008	66·4	42·8	23·6	77·4	38·3	39·1	55·1	64·7	52·7	−0·3	41·4	50·6	55·1	49·1
	VIII.—Rajputana.																					
19	Jaipur . .	1,431	28·626	28·512	·114	28·560	−·024	29·994	74·0	46·3	27·7	84·4	39·0	45·4	64·4	72·4	58·7	−1·2	42·4	51·8	54·9	49·7
	Udaipur . .	1,925	·110†	27·992	·118	·042		·960†	75·9	46·8†	29·1	84·5	35·4	49·1	66·7†	75·3	61·2†		44·2†	54·7†	58·8	52·6
	IX.—Bombay.																					
26	Bombay . .	37	29·980	29·859	·121	29·912	−·043	·890	83·7	67·3	16·4	88·6	60·3	28·3	74·2	78·4	74·7	+0·2	61·9	67·0	70·0	66·3
	XI.—Central Provinces.																					
24	Nagpur . .	1,017	·011	28·877	·134	28·936	−·031	·931	83·5	55·1	28·4	87·5	46·8	40·7	71·4	82·2	68·5	−0·3	52·5	61·2	64·7	59·5
	XII.—Hyderabad.																					
29	Hyderabad . .	1,690	28·318	·190	·128	·248	−·043	·890	86·3	59·0	27·3	90·2	52·6	37·6	76·3	83·0	71·8	+1·4	54·0	63·4†	62·6†	60·0
	XIII.—Mysore.																					
30	Bangalore . .	3,021	27·005	26·881	·124	26·941	−·045	·852	83·1	57·7	25·4	87·3	52·9	34·4	73·6	81·0	69·4	+1·9	55·5	61·9	62·5	60·0
	Mysore . . .	2,518	·492	27·355	·137	27·421	−·050	·852	84·4	59·6	24·8	87·3	56·1	31·2	75·2	83·2	71·0	+0·3	57·0	63·6	63·5	61·4
	XIV.—Madras.																					
32	Pudukkottai .	318	29·695	29·548	·147	29·621		·872	87·5	67·6	19·9	90·1	63·7	26·4	79·5	85·2	77·6		66·4	70·9	71·2	69·5
	Madras . .	22	30·009	·894	·115	·949	−·047	·902	86·0	67·2	18·8	88·8	63·8	25·0	81·9	82·3	75·8	+0·5	66·7	73·9	73·4	71·3
	Bay Islands.																					
1	Port Blair . .	58	29·910	·809	·101	·861	−·041	·848	84·9	74·9	10·0	87·6	69·2	18·4	81·5	82·9	79·1	−1·1	71·1	74·8	75·0	73·6
	Kashmir.																					
14	Srinagar . .	5,204	25·017	24·944	·073	24·872	−·019	24·942	40·1	29·1	11·0	4 ·0	24·1	22·9	32·7	38·4	32·7	+2·0	27·5	30·0	35·9	31·4
	Leh . . .	11,503	19·681	19·585	·096	19·627	+·006	19·595	30·3	7·3	23·0	37·4	0·5	36·9	20·0	27·1	16·8	−0·5	5·5	17·1	21·0	14·5
	Baluchistan.																					
16	Quetta . .	5,502	24·678	24·616	·062	24·637	−·026	24·597	47·6	25·5	22·1	61·3	3·9	58·4	39·2	44·2	35·6	−4·0	24·1	33·6	37·3	31·7

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.

stations in India, etc., in January, 1910.

POUR 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.
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	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.	
·560	·511	·554	—·014	85	59	38	68	— 2	2·5	4·5	3·5	+1·5	5	12	35	1	1	3	1	1	3	N 33° E	N 27° E	66	36	35	91	0	0	Rangoon.	2
																														III.—Bengal.	
·424	·432	·440	+·009	90	60	50	69	— 1	1·8	2·2	2·0	+0·5	3	14	8	7	2		4	3	21	N12° W	N 30° W	50	44	68*	62	1·67	1·44	Calcutta	6
																														IV.—United Provinces of Agra and Oudh.	
·312	·269	·301	—·033	93	55	35	66	— 2	1·7	1·3	1·5	—0·9	10	4	5	6	1	1	1	18	16	N 50° W	N 42° W	41	26	44	91	0·41	0·35	Allahabad.	10
·289	·296	·279	+·009	83	61	50	67	0	2·2	3·1	2·7	—1·6	19		1	2	2	7	11	11	8	S 65° W	S 66° W	37	20	21*	38	1·72	0·84	Dehra Dun.‖	11
																														V.—Punjab.	
·313	·310	·294	+·025	89	72	52	74	+ 4	2·5	3·3	2·9	—0·8	9	1	4	1	6	2	1	17	21	N 64° W	N 30° W	43	21	44	41	1·46	1·06	Lahore.	12
																														VIII.—Rajputana.	
·231	·220	·231	—·037	72	38	27	50	— 6	0·9	0·8	0·9	—2·4	3	11	6	9	4	3	3	3	20	N 8° W	N	35	18	72*	79	0·21	0·21	Jaipur.	19
·285†	·295	·278		81†	43†	34	53		0·9†	1·2	1·1		20	1	4	16	7	2	3	6	2	S 74° E		25		37†		0·05	0·05	Udaipur.‖	
																														IX.—Bombay.	
·573	·627	·579	—·012	72	67	64	72	0	1·1	0·9	1·0	—0·1		4	14	15	1			6	22	N 8° E	N 6° E	47	58	205*	238	0	0	Bombay.	26
																														XI.—Central Provinces.	
·419	·397	·400	+·037	83	54	36	60	+ 6	1·2	1·8	1·5	—0·5	12	15	10	9	6	4	1	1	4	N 45° E	N 72° E	35	30	62	84	0	0	Nagpur.	24
																														XII.—Hyderabad.	
·425†	·311†	·364	—·059	71	47†	28†	50	— 7	1·4	1·7	1·5	—0·1	27		10		17		1	4	3	S 75° E	S 54° E	21	55	54	86	0	0	Hyderabad	9
																														XIII.—Mysore.	
·418	·354	·401	—·007	87	51	34	59	— 3	2·6	2·6	2·6		1	1	17	31	4	2	2	3		N 81° E	N 88° E	68	78	184	127	0	0	Bangalore.‖	30
·448	·346	·415	—·008	85	51	30	57	— 1	3·6	4·8	4·2	+1·2		3	22	27	6	1	1	1	1	N 73° E	N 83° E	74	81	222	211	0	0	Mysore.	
																														XIV.—Madras.	
·647	·578	·620		94	64	48	69		6·1	5·7	5·9			6	43	9	1	1	1	1		N 49° E		82		225		1·10	1·10	Pudukkottai.	32
·733	·705	·715	+·030	98	67	64	79	0	3·7	3·3	3·5	—0·6		3	27	25	5	1	1			N 70° E	N 51° E	80	76	143*	137	0·20	0·13	Madras.	
																														Bay Islands.	
·776	·765	·770	—·037	83	72	68	77	— 2	4·1	5·0	4·5	+0·9	5	26	24	5	2					N 29° E	N 39° E	77	76	155	156	1·05	0·97	Port Blair.	1
																														Kashmir.	
·156	·187	·159	+·001	82	83	79	81‡	— 3	7·7	6·7	7·2	0	27	5	1	1	3			1	24	N 34° W	S 21° E	40	4	35	74	4·01	2·65	Srinagar.	14
·075	·068	·063	—·001	69	67	48	62	0	4·7	6·4	5·5	—1·3					5	40	15	2		S 10° W	S 13° W	89	32	49*	24	0·30	0·11	Leh.	
																														Baluchistan.	
·146	·150§	·148	—·016	84	62	56§	71	+ 1	3·0	2·9	2·9	—1·2	23	5	1		5	9	1	5	13	N 81° W	N 84° W	18	24	57	70	1·72	0·97	Quetta.	16

* Uncorrected for scale error. ‡ Mean of three previous columns. § Mean of 29 days. ‖ Wind observation less 1.

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. Mean of 10 hrs.	Pressure. Mean of 16 hrs.	Pressure. Mean daily range.	Pressure. Mean of daily mean pressures.	Pressure. Departure from normal.	Pressure. Mean reduced to sea-level and gravity, 45° Lat.	Temperature of air. Mean maximum.	Temperature of air. Mean minimum	Temperature of air. Mean daily range.	Temperature of air. Highest maximum.	Temperature of air. Lowest minimum.	Temperature of air. Absolute range.	Temperature of air. Mean 10 hrs.	Temperature of air. Mean 16 hrs.	Temperature of air. Mean of daily means.	Temperature of air. Departure from normal.	Temperature, Wet-bulb. Mean minimum.	Temperature, Wet-bulb. Mean 10 hrs.	Temperature, Wet-bulb. Mean 16 hrs.	Temperature, Wet-bulb. 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	7,232	23·121	23·062	·059	23·081	—·017	23·044	47·8	36·5	11·3	58·7	30·0	23·7	43·7	44·8	41·5	+2·7	30·5	35·1	37·8	34·5
	Sarain		·159	·098	·061	·117		·079	46·1	26·6	19·5	53·9	21·9	32·0	36·3	37·5	35·6			32·3	34·1	
	Kalabagh							Observations not received.														
	Chakrata	7,022	23·305	23·238	·067	23·258	—·031	23·218	53·3	35·9	17·4	66·3	29·7	36·6	44·4	46·0	43·9	+1·2	30·9	36·5	39·3	35·6
	Muktesar	7,592	22·852†	22·780	·072	22·806		22·764	57·5	35·5	22·0	67·7	28·2	39·5	44·7†	47·5	45·8		27·9	35·4†	38·8	34·1
	Katmandu	4,388	25·716	25·599	·117	25·651	—·036§	25·605	61·5	36·6	24·9	68·9	30·8	38·1	46·6	59·0	48·3	—1·3§	35·3	43·9	49·9	43·0
	Darjeeling	7,376	23·002	22·922	·080	22·956	—·055	22·911	46·4	34·5	11·9	54·5	29·9	24·6	43·2	42·3	39·8	—0·3	33·1	39·4	39·3	37·3
	Pachmarhi	3,528	26·515	26·467	·048	26·483	—·044	26·433	72·3	48·0	24·3	79·3	37·6	41·7	60·1	68·9	59·4	+0·7	43·2	53·4	57·1	51·2
	Mount Abu	3,945	·125	·045	·080	·077	—·038	·027	66·4	50·5	15·9	71·4	35·8	35·6	62·0	62·9	57·8	—0·4	40·3	48·7	49·4	46·1
	Chikalda	3,642	·425	·322	·103	·365	—·072	·310	74·1	55·3	18·8	77·9	45·5	32·4	66·3	70·7	64·0	0	48·7	54·5	57·2	53·5
	Ootacamund	*7,327*	23·079	23·005	·074	23·036		22·972	66·5	42·0	24·5	70·5	36·3	34·2	62·6	60·9	53·5		37·5	47·4	49·9	44·9
	Kodaikanal	7,688	22·838	22·765	·073	22·802		·737	62·9	46·3	16·6	68·9	42·9	26·0	58·6	58·6	54·6		38·2	46·6	52·3	45·7
	Dodabetta	8,539	·083	·011	·072	·041		21·978	59·0	43·9	15·1	63·0	40·6	22·4	54·6	53·6	50·7		34·6	43·2	46·1	41·3
	Extra India.																					
	Minicoy	7	29·974	29·870	·104	29·925																
	Zanzibar	72	·887	·776	·111	·834	—·020	29·833	84·6	78·1	6·5	88·1	74·7	13·4	82·0	83·8	80·3	—1·6	73·5	76·8	76·6	75·6
	Diego Garcia							Observations not received.														
	Seychelles	15	·935	·846	·089	·902	—·023§	·840	82·8	76·9	5·9	84·9	74·3	10·6	80·8	81·1	78·6	+0·1§	71·5	76·0	76·0	74·5
	Mauritius	181						Observations not received.														

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.

—concluded.

stations in India, etc., in January, 1910—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 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.		
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.	
·116	·155	·136	—·015	55	43	54	55	— 6	1·3	6·2	5·3	—0·3																1·78	1·28	Simla.	
·144	·163				68	74			4·2	4·9	4·5		15	1	1	2	1	24	15	3		S 17° W		56		59		3·24¶	2·02¶	Sarain.	
												Observations not received.																		Kalabagh.	
·136	·174	·154	—·008	62	49	58	60	— 6	2·4	3·7	3·1	—1·5	19	9	2		8	22			2	S 20° E	S 51° W	27	6	97	137	3·17	1·56	Chakrata.	
·114†	·149	·123		42	41†	48	48		2·4	3·5	2·9		18			9	3	4	2	23	2	S 63° W		36		145†		1·18	1·10	Muktesar ‡	
·258	·256	·244	—·009	88	81	52	78	+ 1	1·4	2·3	1·9	—1·5	11	1	2	16			2	29	1	N 85° W	N 78° W	23	46	10*	21	0·36	0·24	Katmandu.	
·262	·210	·203	—·007	88	74	79	84	— 1	5·5	6·9	6·2	+0·5	36	2	7	1	1	1	4	9	1	N 61° W	N 81° W	11	20	28	89	0·22	0·20	Darjeeling.	
·335	·338	·309	+·016	67	64	49	65	+ 2	0	0·5	0·3	—2·1	3	4	8	14	4		10	16	3	N 60° W	N 75° W	5	10	83	84	0	0	Pachmarhi.	
·192	·202	·185	—·022	37	35	33	44	— 5	1·6	1·9	1·7	—0·7		4	13	1	12	7	11	5	9	S 6° W	N 61° W	7	12	115	125	0·13	0·13	Mount Abu.	
·295	·314	·302	—·012	62	46	42	58	0	0·7	1·1	0·9	—1·1	5	3	2		3	2	1		46	N 43° W	S 44° W	71	21	171	132	0	0	Chikalda.	
·177	·256	·213		67	32	48	50		2·8	4·2	3·5		2	4	8	21	15	11			1	S 73° E		61		101		1·84	1·84	Ootacamund.	
·202	·332	·231		51	43	68	54		3·2	4·4	3·8			6	15	20	13	1		1	6	N 73° E		58		316*		1·77	1·02	Kodaikanal.	
·162	·233	·199		38	39	57	45		3·5	4·9	4·2			10	13	19	18				2	N 79° E		65		437		3·10	3·10	Dodabetta.	
																														Extra India.	
									2·7	3·4	3·0			33	24	4					1	N 22° E		87		95		0·09	0·05	Minicoy.	
·850	·814	·819	—·043	80	78	70	77	0	7·9	6·6	7·3	+2·6	2	16	26	4		6	3	2	3	N 30° E	N 33° E	53	70	156	187	4·71	2·14	Zanzibar.	
												Observations not received																		Diego Garcia.	
·841	·833	·811	—·022	72	79	78	79	— 5	7·3	8·4	7·9	+0·9§	5	8	7			1		9	32	N 38° W	N 39° W	71	61	173*	147	14·07	3·53	Seychelles.	
												Observations not received																		Mauritius.	

* Uncorrected for scale error. § Departure from old normal. ¶ Rain and snow water. ‡ Wind observation less 1.

able B.—Abstract of observations taken at 8 hrs. at 239 stations in India, etc., in January, 1910.

(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 2,000 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.
urma	—·041	82·2	—1·4	58·6	+0·4	70·4	—0·5	23·6	33·7	0	+12	87	+ 4	·517	+·014	2·4	+0·5	0·09	0·08	+0·01
astern Bengal and Assam	—·031	74·4	—0·8	51·3	—0·6	62·9	—0·7	23·1	32·4	—0·7	— 1	88	— 3	·401	—·018	2·9	+0·3	0·40	0·61	—0·21
engal	—·037	75·7	—1·5	52·5	—0·1	64·1	—0·8	23·2	32·9	—0·4	— 4	81	+ 2	·389	+·008	2·1	+0·9	0·57	0·50	+0·07
nited Provinces of Agra and Oudh.	—·031	71·1	—1·3	45·1	—2·0	58·1	—1·6	26·0	39·0	—0·9	— 8	81	+ 2	·297	—·007	1·3	—1·2	0·38	0·86	—0·48
unjab	—·028	67·0	—1·2	42·4	—0·3	54·7	—0·8	24·6	41·7	+0·1	+10	83	+ 5	·263	+·008	2·3	—1·5	1·14	1·14	0
orth-West Frontier Province	—·043	63·9	—2·3	39·9	—0·1	51·9	—1·3	24·1	39·1	—0·9	+ 1	77	+ 7	·219	+·014	3·3	—0·7	3·80	1·37	+2·43
ind	—·039	73·9	—1·4	50·2	—0·4	62·1	—0·9	23·8	43·4	—0·4	+ 3	64	+ 1	·280	+·012	1·7	—1·4	0·47	0·28	+0·19
ajputana	—·029	73·8	—0·9	46·7	—1·2	60·2	—1·1	27·1	44·3	—0·1	+ 2	63	+ 4	·243	—·020	1·1	—1·7	0·34	0·33	+0·01
ombay	—·043	84·3	+0·3	58·0	0	71·2	+0·1	26·4	40·5	—0·8	— 6	59	— 2	·372	—·021	1·2	+0·2	0·01	0·09	—0·08
entral India	—·039	76·6	—0·2	47·7	—0·5	62·1	—0·4	28·8	45·1	—1·1	+17	63	— 3	·263	—·031	2·0	+0·4	0·15	0·54	—0·39
entral Provinces	—·042	81·2	0	53·7	+0·4	67·4	+0·2	27·5	41·3	+0·4	+ 3	63	+ 1	·331	+·008	1·6	+0·2	0·10	0·41	—0·31
yderabad	—·043	86·7	+1·2	59·0	+0·2	72·8	+0·7	27·7	38·2	—1·5	+25	56	— 7	·380	—·037	1·3	+0·1	0	0·08	—0·08
ysore	—·039	83·8	+1·5	58·7	+0·9	71·3	+1·1	25·1	32·8	+0·9	— 7	71	+ 1	·461	+·004	3·1	+0·7	0	0·06	—0·06
adras	—·044	86·7	+1·2	67·6	+0·8	77·1	+1·0	19·1	26·7	+0·9	+ 2	77	— 1	·629	—·006	3·5	+1·0	0·18	0·44	—0·26

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. 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
	I.—Burma.																						
2	Mergui	56	29·920§	?	29·907§	30·001	28th	29·840	14th	·164	77·1	88·2	+0·1	71·7	+4·8	80·0	+2·5	16·5	91·9	15th & 17th.	63·4	28th	28·5
	Tavoy	19	29·942	—·060	29·893	30·023	28th	29·847	11th	·176	71·6	91·2	+1·7	68·1	+3·9	79·7	+2·8	23·1	93·5	10th	60·8	28th	32·7
	Moulmein	94	29·886	—·047	29·920	29·936	27th	29·782	11th	·184	70·2	89·9	+1·5	66·3	+1·1	78·1	+1·3	23·6	93·5	26th	60·3	1st & 15th.	33·2
	Rangoon	18	29·959	—·058	29·915	30·044	4th	29·854	11th	·190	68·0	89·2	+0·1	65·5	+1·3	77·3	+0·7	23·7	93·1	31st	60·4	5th & 22nd.	32·7
	Bassein	27?	29·958	—·044	29·923	30·055	5th	29·857	11th	·198	65·8	85·1	—0·6	62·8	+1·1	74·0	+0·3	22·3	90·2	28th, 29th & 31st.	56·9	5th & 24th.	33·3
	Diamond Island	41	29·942	—·045	29·918	30·026	5th	29·833	11th	·193	75·3	83·2	—0·8	71·1	+0·1	77·2	—0·3	12·1	87·9	29th	68·2	24th	19·7
	Toungoo	164	29·826‡	—·039‡	29·938‡	29·936	4th	29·728	11th	·208	61·1	82·2	—3·1	55·6	—2·0	68·9	—2·5	26·6	88·5	31st	49·8	16th	38·7
	Kyaukpyu	18	29·976		29·934	30·067	5th	29·866	9th & 11th.	·201	68·4	77·9		63·0		70·4		14·9	82·0	11th	56·1	9th	25·6
	Akyab	20	29·981	—·053	29·945	30·072	4th & 5th.	29·868	9th	·204	60·5	78·1	—3·3	58·3	—1·0	68·2	—2·1	19·8	80·9	4 days	53·5	23rd	27·4
3	Thayetmyo	121	29·890	—·030	29·959	30·014	4th	29·774	11th	·240	61·2	83·9	—2·0	53·3	—3·2	68·6	—1·1	30·6	88·5	20th, 29th & 31st.	46·9	22nd	41·6
	Minbu	*165*	29·847	—·040	29·965	29·986	4th	29·752	9th & 11th.	·234	61·3	83·3	—2·4	56·6	+0·5	70·0	—0·9	26·7	87·8	18th & 31st.	52·0	2nd & 15th.	35·8
	Yamethin	657	29·312	—·050	29·954	29·419	4th	29·198	11th	·221	59·3	83·3	—3·9	53·8	—0·8	68·6	—2·3	29·5	88·8	30th & 31st.	48·0	3rd	40·8
	Mandalay	250	29·773	—·010	29·987	29·900	4th	29·664	11th	·236	59·5	83·4	—0·7	54·4	—1·6	68·9	—1·1	29·0	90·0	31st	49·9	15th	40·1
	Monywa	*280*	29·758		29·977	29·883	4th	29·649	11th	·234	59·0	79·8		55·5		67·6		24·3	85·8	30th & 31st,	52·1	3rd	33·7
	Lashio	*2,751*	27·171	—·050	27·117	27·273	5th	27·057	11th	·216	49·9	73·5	—1·6	44·5	—0·5	59·0	—1·1	29·0	78·3	25th	39·0	14th	39·3
	Bhamo	*381*	29·655	—·005	30·022	29·788	5th	29·533	11th	·255	51·0	72·9	—4·3	47·5	—1·0	60·2	—2·7	25·4	78·4	28th & 29th.	43·1	24th	35·3
	Myitkyina	458	29·556		30·006	29·700	5th	29·435	19th	·265	52·2	72·6		48·0		60·3		21·6	78·2	29th	44·0	6th & 23rd.	34·2
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	353	29·693†		30·030†	29·832	5th	29·570	18th	·262	53·1	70·9		50·1		60·5		20·8	76·4	28th, 29th & 31st.	45·6	13th & 22nd.	30·8
	Sibsagar	333	29·739	—·030	30·051	29·879	5th	29·582	11th	·297	53·8	70·0	—0·1	49·1	—0·4	59·5	—0·3	20·9	75·1	30th	43·0	15th	32·1
	Tezpur	252	29·802		30·030	29·925	4th	29·658	11th	·267	54·4	74·4		52·2		63·3		22·2	79·6	29th	47·4	14th	32·2
	Gauhati	195	29·858		30·024	29·977	4th	29·724	11th	·253	53·4	74·2		51·7		62·9		22·5	79·3	29th	46·1	20th	33·2
	Dhubri	115									55·2	73·0	—1·0	53·3	0¶	63·7	—0·5	19·7	78·0	30th	49·7	20th	28·3
	Silchar	104	29·967	—·013	30·031	30·088	5th	29·836	11th	·252	56·3	76·7	—1·1	51·5	—0·8	64·1	—0·9	25·2	85·8	1st	46·8	4th & 7th.	39·0
5	Cox's Bazar	36	29·971†		29·951†	30·072	5th	29·832	11th	·240													
	Chittagong	87	29·937	—·039	29·977	30·054	5th	29·807	9th	·247	58·4	75·6	—2·7	52·7	—1·6	64·7	—2·1	21·9	81·5	29th	50·0	6th, 14th & 21st.	31·5
	Noakhali	43	29·991		29·983	30·108	5th	29·848	9th	·260	59·0	74·7		53·1		63·9		21·6	79·8	29th	49·9	21st	29·9
	Barisal	12	30·010	—·047	29·968	30·139	5th	29·851	9th	·288	61·5	75·2	—1·4	54·3	—0·1	64·8	—0·7	20·9	78·3	5 days	50·1	21st	28·2
	Comilla	36	30·001		29·985	30·117	5th	29·863	9th	·254	59·8	76·6		53·6		65·1		23·0	81·8	29th	50·8	6th, 21st & 22nd.	31·0
	Narayanganj	26	30·009	—·033	29·984	30·133	5th	29·858	9th	·275	58·5	75·4	—2·5	54·3	—0·9	64·9	—1·7	21·1	79·5	28th & 29th,	50·8	20th	28·7
	Faridpur	46	29·997		29·995	30·120	5th	29·815	9th	·275	57·2	74·8		51·4		63·1		23·4	78·3	4 days	46·4	20th	31·9
	Sirajganj	49	30·016		30·018	30·142	5th	29·885	9th	·257	55·7	74·9		51·1		63·0		23·8	79·4	28th	44·8	20th	34·6
	Mymensingh	63	29·991	—·023	30·009	30·117	5th	29·855	9th	·262	58·7	75·2	+0·2	53·1	+0·6	64·2	+0·4	22·1	80·1	29th	47·6	20th	32·5
	Bogra	75	29·983	—·010	30·014	30·110	5th	29·817	9th	·263	58·3	75·0	—1·1	50·8	—1·1	62·9	—1·1	24·2	79·7	30th & 31st,	46·7	13th & 20th,	33·0
	Rampur Boalia	70	29·980‖		30·004‖	30·087	4th	29·831	9th	·256	56·7	74·4		51·5		62·9		22·9	79·1	29th	47·1	20th, 21st & 25th.	32·0
	Malda	72	29·969†		29·998†	30·110	5th	29·830	9th	·280	56·3	73·4		48·5		61·5		25·9	78·3	15th, 27th & 28th.	44·0	21st	34·3
	Dinajpur	123	29·907	—·039	29·995	30·043	5th	29·759	11th	·284	52·6	74·9	—0·8	47·6	—1·8	61·3	—1·3	27·3	79·3	28th & 29th.	42·5	13th	36·8
	Rangpur	123	29·923		30·010	30·064	5th	29·782	11th	·282	55·4	74·6		47·2		60·9		27·4	78·6	27th 28th & 29th,	43·0	10th	35·6

§ Mean of 24 days. † Mean of 30 days. ‡ „ „ 29 „ ‖ Mean of 28 days. ¶ „ „ 12 „

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

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ations in India, etc., in January, 1910.

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. 1909 to 31st Jan., 1910.	Normal rainfall for period, 1st Dec. to 31st Jan.	Departure from normal of period 1st Dec. 1909 to 31st Jan. 1910.	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
																															I.—Burma.
		2		1	1			S 38° E	S 4° W	1·8	2·0	−0·2	7	−4	87	+6	·804	+·094	0·7	−2·3	4	1·40	+2·60	5·18	0·91	+4·27	5·18	1·29	+3·89	2·03	Mergui.
								(a)	N 9° W	1·0*	1·2	−0·2			91	+4	·707	+·062	2·5	+0·5	0	0·20	−0·20	0·05	0·21	−0·16	0·05	0·27	−0·22	0·05	Tavoy.
1	10	12	1					N 70° E	N 48° E	3·1	2·4	+0·7	69	+8	85	0	·626	+·024	3·9	+2·6	0	0·40	−0·40	0	0·36	−0·36	0	0·41	−0·41	0	Moulmein.
7	18						1	N 31° E	N 29° E	3·2	3·8	−0·6	76	+44	79	−4	·552	−·016	3·8	+2·3	0	0·20	−0·20	0	0·12	−0·12	0	0·21	−0·21	0	Rangoon.
2	3	1	1				2	N 27° E	N 2° W	3·8	3·6	+0·2	20	−12	88	+1	·565	−·012	0·6	−1·2	0	0·10	−0·10	0	0·14	−0·14	0·13	0·27	−0·14	0	Bassein.
9	15	2					3	N 26° E	N 14° E	11·5	7·9	+3·6	79	−2	72	−1	·646	−·007	3·7	+1·4	0	0·44	−0·44	0	0·21	−0·21	0·19	0·91	−0·72	0	Diamond Island.
3	1					3	11	N 25° W	N 9° W	1·5	1·7	−0·2	76	+11	95	+7	·513	+·012	1·7	+0·6	0	0·20	−0·20	0	0·08	−0·08	0	0·25	−0·25	0	Toungoo.
2	19	1	2				4	N 37° E		4·1*			69		87		·618		1·0		0			0			0·91			0	Kyaukpyu.
5	11							N 19° E	N 21° E	3·0	2·8	+0·2	82	−5	90	+3	·474	−·020	2·2	+1·5	1	0·10	+0·90	0·17	0·06	+0·11	2·52	0·76	+1·76	0·12	Akyab.
	13				2	2	3	N 9° E	N 11° E	3·5*	2·8	+0·7	72	+36	92	+18	·492	+·075	1·6	+1·0	0	0·10	−0·10	0	0·02	−0·02	0	0·17	−0·17	0	Thayetmyo.
2					1		21	N 44° W	N 52° W	2·7	5·8	−3·1	69	+21	79	+5	·430	+·005	2·2	+1·5	0	0·10	−0·10	0	0	0	0·12	0·63	−0·51	0	Minbu.
1							13	N 28° W	N 11° W	1·9	2·4	−0·5	59	+33	83	+6	·417	−·012	2·0	+1·5	0	0·20	−0·20	0	0·08	−0·08	0	0·57	−0·57	0	Yamethin.
	1	2	1				5	N 1° W	N 13° E	2·5	2·1	+0·4	15	+2	85	+2	·428	−·031?	2·1	+1·0	0	0·10	−0·10	0	0·05	−0·05	0·02	0·34	−0·32	0	Mandalay.
2							7	N 9° W		3·2			76		89		·449		3·9		0	0	0	0	0	0	0·44	0·15	+0·29	0	Monywa
	1						1	N		2·3*			5		92	+2	·332	−·006	2·3	−2·2	0			0	0·39	−0·39	0·23	1·05	−0·82	0	Lashio.
								(a)	N 18° W	1·1	2·6	−1·5			99	+6	·372	−·011	1·3	−1·8	1	1·20	−0·20	0·27	0·72	−0·45	2·47	1·14	+1·33	0·17	Bhamo.
	3	4	2				1	N 70° E		1·0			23		94		·370		4·5		1			0·32			1·71			0·20	Myitkyina.
																															II.—Eastern Bengal and Assam.
	2	1	1					N 49° E		1·1			13		98		·394		3·9		2	4·00	−2·00	0·78	1·57	−0·79	0·82	2·33	−1·51	0·43	Dibrugarh.
	4		1	1	1			N 49° E	N 82° E	1·2	1·8	−0·6	10	−13	96	−3	·399	−·005	6·8	+1·4	5	3·70	+1·30	1·04	1·31	−0·27	1·07	1·88	−0·81	0·35	Sibsagar.
	1							N 45° E		1·9			3		92		·393		3·9		0	1·80	−1·80	0·08	0·65	−0·57	0·08	1·08	−1·00	0·08	Tezpur.
			2				1	S 45° E		1·9			3		96		·398		7·9		1	1·70	−0·70	0·26	0·64	−0·38	0·32	0·88	−0·56	0·26	Gauhati.
	4	10	1		2			N 87° E	N 55° E	3·6	3·8	−0·2	40	+1	89	−2	·394	−·015	0·3	−1·6	0	0·90	−0·90	0	0·43	−0·43	0	0·50	−0·50	0	Dhubri.
		9	4					S 77° E	S 72° E	1·3	1·7	−0·4	40	+34	91	0	·418	−·013	1·2	−2·3	1	1·90	−0·90	0·41	0·72	−0·31	1·19	1·18	+0·01	0·33	Silchar.
	9	3						N 52° E		2·1			36						2·7		1			0·31			1·66			0·18	Cox's Bazar.
	12	1					4	N 23° E	N 28° E	2·0	3·1	−1·1	56	+1	89	+1	·438	−·022	1·7	+0·6	3	0·63	+2·32	1·25	0·30	+0·95	6·19	1·15	+5·04	0·57	Chittagong.
	10						2	N 17° E		2·2			68		88		·418		1·8		2	0·97	+1·03	0·60	0·44	+0·16	3·08	0·82	+2·26	0·30	Noakhali.
	8	1					3	N 16° E	N 4° E	1·2	1·7	−0·5	56	+45	83	−4	·452	−·017	1·8	+1·0	2	1·00	+1·00	1·61	0·67	+0·94	3·62	1·27	+2·35	1·30	Barisal.
	1							N 45° E		0·8			3		85		·446		0·5		2	1·29	+0·71	0·72	0·54	+0·18	3·21	0·76	+2·45	0·33	Comilla.
	1	2	1			1	8	N 15° W	N 10° W	1·4	2·3	−0·9	40	+1	83	−4	·408	−·041	1·9	+0·6	1	1·00	0	0·37	0·38	−0·01	1·11	0·54	+0·57	0·30	Narayanganj.
		2	1			1	3	N 8° W		1·4			23		87		·413		2·4		1	0·97	+0·03	0·47	0·49	−0·02	1·15	0·57	+0·58	0·43	Faridpur.
		1	1		1	5	7	N 56° W		1·7			38		89		·394		2·9		0	1·07	−1·07	0·02	0·47	−0·45	0·33	0·58	−0·25	0·02	Sirajganj.
	2	2	1				2	N 41° E	N 54° E	0·8	1·3	−0·5	13	−16	84	−7	·417	−·003	9·2	?	0	1·00	−1·00	0·04	0·50	−0·46	0·34	0·55	−0·21	0·04	Mymensingh.
	1					1	1	N 16° W	N 18° W	0·6	1·7	−1·1	10	−24	75	−10	·369	−·027	2·2	+1·0	0	1·06	−1·06	0·10	0·57	−0·47	0·13	0·59	−0·46	0·08	Bogra.
	1			1	1			N 14° W		1·3			13		83		·387		3·1		0	0·85	−0·85	0·07	0·35	−0·28	0·12	0·41	−0·29	0·03	Rampur boalia.
	2	1		1	2	4	9	N 45° W		3·3			42		84		·384		1·6		0	0·97	−0·97	0	0·68	−0·68	0	0·92	−0·92	0	Malda.
	1	2		1	3	6	1	S 75° W	N 61° W	1·1	2·3	1·2	23	−13	90	+3	·361	−·016	1·6	+0·5	0	0·84	−0·84	0	0·51	−0·51	0	0·55	−0·55	0	Dinajpur.
	2	1			1		2	N 14° E		0·8			13		86		·382		0·9		0	0·90	−0·90	0	0·49	−0·49	0	0·58	−0·58	0	Rangpur.

ns, the elevations of which exceed 3,200 feet. (a) Indeterminate. * Uncorrected for scale error.

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. 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 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	29·744	−·046	30·004	29·889	5th	29·598	11th	·291	53·6	74·0	+2·0	51·2	+0·4	62·5	+1·2	22·8	73·4	17th&29th	47·9	20th	30·5
	Cooch Behar	156	29·890		30·014	30·030	5th	29·758	11th	·272	52·1	73·0		50·5		61·8		22·5	77·3	29th	47·6	20th	29·7
	III.—Bengal.																						
6	Saugor Island	25	30·006	−·049	29·977	30·117	5th	29·829	9th	·288	62·4	78·1	+1·5	58·7	−0·5	68·4	+0·5	19·4	80·5	4 days	52·5	21st	28·0
	Midnapore	149	29·880		29·984	29·999	5th	29·702	9th	·297	60·2	79·5		56·6		68·0		22·9	83·8	18th	50·2	30th	33·6
	Calcutta	21	30·025	−·040	29·993	30·141	5th	29·849	9th	·292	59·4	76·7	−0·4	56·0	+0·7	65·3	+0·1	20·7	80·2	29th	50·0	21st&30th	30·2
	Jessore	35	30·008	−·037	29·989	30·137	5th	29·857	9th	·280	58·2	75·3	−2·6	52·6	−0·4	63·9	−1·5	22·7	80·5	17th	46·7	20th&21st	33·8
	Krishnagar	47	29·995		29·994	30·114	5th	29·832	9th	·282	54·5	75·6		52·1		63·9		23·5	79·3	18th	47·0	20th&21st	32·3
	Burdwan	99	29·949	−·038	30·003	30·070	5th	29·773	9th	·297	59·0	77·3	−1·5	55·8	+0·9	66·5	−0·3	21·5	80·9	18th	50·8	21st&30th	30·1
	Bankura	313	29·728		30·010	29·841	5th	29·566	9th	·275	60·7	77·0		55·3		66·2		21·7	80·1	29th, 30th & 31st.	50·7	20th&30th	29·4
	Raniganj	334	29·712		30·022	29·822	5th	29·513	9th	·279	57·3	76·5		53·7		65·1		22·8	82·5	18th	49·0	20th& 21st	33·5
	Berhampore	67	29·990	−·028	30·011	30·116	5th	29·832	9th	·284	56·0	74·1	−2·7	52·8	−0·6	63·4	−1·7	21·3	78·1	18th&31st	49·2	20th	28·9
	Naya Dumka	489	29·542		30·026	29·664	5th	29·396	9th	·268	56·0	74·5		50·1		62·3		21·4	78·4	18th	45·5	20th&21st	32·9
7	Balasore	50	29·996	−·039	29·993	30·118	5th	29·823	9th	·295	62·1¶	80·4¶	−0·7¶	57·8¶	+2·4¶	69·1¶	+0·9	22·6	86·4	9th	51·1	31st	35·3
	False Point	21	30·024	−·037	29·988	30·135	5th	29·855	9th	·280	66·3	78·7	−0·4	59·1	+0·8	68·9	+0·2	19·6	82·2	9th &10th	52·1	30th	30·1
	Cuttack	80	29·956	−·046	29·983	30·067	29th	29·780	9th	·287	64·6	81·2	−3·3	61·9	+2·1	71·5	−0·6	19·3	85·4	9th	56·2	27th	29·2
	Puri	24	30·010		29·973	30·108	29th	29·831	9th	·277	68·9	81·7		65·0		73·4		16·7	83·6	7th	60·1	27th	23·5
	Angul	455	29·567		30·007	29·676	29th	29·389	10th	·287	61·2	82·3		56·5		69·5		25·8	87·1	9th	51·0	4 days	36·1
	Sambalpur	486	29·552	−·036	30·010	29·683	29th	29·344	8th	·339	63·6	80·9	−1·3	56·3	+1·5	68·6	+0·1	24·6	85·1	9th	47·6	30th	37·5
8	Chaibassa	*733*	29·284	−·035	30·015	29·391	28th	29·107	9th	·284	56·6	77·1	−4·0	53·6	+0·5	65·3	−1·7	23·5	83·1	9th	47·8	21st&29th	35·3
	Ranchi	2,128	27·857‡	−·026‡	30·041‡	27·978	5th	27·697	h	·281	54·8	72·0	−2·4	51·5	+0·6	61·7	−0·9	20·5	77·2	17th	44·9	19th	32·3
	Purulia	*816*	29·201		30·013	29·309	5th	29·040	9th	·269	57·3	76·9		53·5		65·2		23·4	83·5	17th	48·1	18th&20th	35·4
	Hazaribagh	2,007	27·980	−·029	30·031	28·093	28th	27·828	8th & 9th.	·265	57·6	70·5	−2·6	50·4	−0·1	60·4	−1·3	20·1	78·2	17th	44·8	19th	33·4
	Daltonganj	*730*	29·320		30·064	29·450	28th	29·132	8th	·318	51·2	74·6		46·9		60·8		27·7	87·6	17th	40·0	19th	47·6
9	Purnea	134	29·928	−·029	30·027	30·068	5th	29·747	8th	·321	52·3	73·2	−1·5	46·9‖	−2·4‖	59·7‖	−1·9	27·3	77·5	17th&29th	41·7	13th & 21st.	35·8
	Bhagalpur	160	29·905		30·026	30·037	5th	29·750	11th	·287	58·8‡	74·5		48·5		61·5		26·0	78·2	17th	45·3	19th	32·9
	Monghyr	155	29·905		30·023	30·041	5th	29·756	8th	·285	57·5	72·8*		50·7		61·8*		22·1	75·4	31st	45·4	19th	30·0
	Darbhanga	165	29·879	−·035	30·012	30·015	5th	29·726	11th	·289	53·4	73·8	+1·1	47·5	−4·6	60·7	−1·7	26·3	77·6	31st	43·8	19th	33·8
	Pusa	188	29·864		30·021	30·003	5th	29·729	11th	·274	51·1	73·9		45·8		59·9		28·1	77·5	31st	41·7	13th	35·8
	Muzaffarpur	177	29·877		30·024	30·023	5th	29·726	11th	·297	53·4	72·8		47·3		60·1		25·5	76·7	31st	43·5	12th	33·2
	Motihari	221	29·819		30·019	29·936	5th	29·665	11th	·301	49·8	72·1		46·9		59·5		25·2	75·6	27th, 28th & 31st.	44·3	4 days	31·3
	Chapra	181	29·860‡		30·010‡	29·995	5th	29·711	9th	·284	51·3	72·7		47·8		60·3		24·9	75·7	31st	44·9	4th,19th & 20th.	30·8
	Patna	183	29·872	−·041	30·020	30·007	5th	29·710	9th	·297	56·5	71·5	−1·5	50·2	0	60·9	−0·7	21·3	76·0	17th	44·2	20th	31·8
	Arrah	190	29·859		30·017	30·000	5th	29·710	9th	·290	53·1	73·1		47·3		60·2		25·8	77·6	17th	43·5	24th	34·1
	Buxar	239	29·809		30·023	29·950	5th	29·658	9th	·292	53·0	73·3		48·5		60·9		24·8	79·0	16th	43·6	19th	35·4
	Dehri	351	29·687		30·018	29·822	5th	29·531	8th & 9th.	·291	54·7	73·9		51·5		62·7		22·4	79·3	17th	49·0	4 days	30·3
	Gaya	372	29·659§	−·051§	30·015§	29·782	24th	29·511	9th	·271	51·3	74·1	−1·8	49·5	−2·1	61·8	−1·9	24·6	79·9	17th	45·7	29th	34·2
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·772	−·037	30·095	29·917	5th	29·624	11th	·293	50·7	71·8	−1·1	44·9	−4·3	58·4	−2·7	26·9	76·6	28th	41·5	5th & 20th.	35·1
	Benares	267	29·790	−·024	30·033	29·917	5th & 28th.	29·639	8th	·278	53·6	73·6	−0·7	45·3	−2·9	59·4	−1·8	28·3	80·1	16th	41·6	5th, 20th & 28th.	38·5
	Allahabad	309	29·744	−·029	30·033	29·674	5th	29·586	8th	·288	51·5	72·6	−1·8	46·4	−1·5	59·5	−1·7	26·2	81·1	16th	42·0	28th&29th	39·1

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

* Mean of 19 days.
‡ „ „ 30 „
§ „ „ 29 „

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

‖ Mean of 27 days.
¶ „ „ 24 „

—continued.

ations in India, etc., in January, 1910—continued.

Wind direction. Number of winds from N. (26)	N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction. (34)	Normal direction. (35)	Wind velocity. Mean velocity, miles per hour. (36)	Normal. (37)	Departure from normal. (38)	Wind steadiness. Actual percentage. (39)	Departure from normal. (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal. (42)	Mean vapour tension at 8 hrs. in inches of mercury. (43)	Departure from normal, in inches of mercury. (44)	Cloud. Mean cloud amount at 8 hrs. (45)	Departure from normal. (46)	Rainfall. Number of rainy days. (47)	Normal number of rainy days. (48)	Departure from normal. (49)	Rainfall of month. (50)	Normal rainfall of month. (51)	Departure from normal. (52)	Total rainfall from 1st Dec. 1909 to 31st Jan. 1910. (53)	Normal rainfall for period, 1st Dec. to 31st Jan. (54)	Departure from normal of period, 1st Dec. 1909 to 31st Jan. 1910. (55)	Heaviest rainfall during month. (56)	Station. (57)
																															II.—Eastern Bengal and Assam—*concld.*
3	1					1	2	N 19° W	N 18° E	0·7			20	−23	90	−1	·376	−·020	3·0	+1·9	0	0·97	−0·97	0	0·50	−0·50	0·11	0·54	−0·43	0	Jalpaiguri.
		3						E		1·1			10		94		·370		2·9		0	0·90	−0·90	0	0·43	−0·43	0	0·51	−0·51	0	Cooch Behar.
																															III.—Bengal.
12	17	1			1			N 28° E	N 13° E	6·9	7·2	−0·3	86	+22	90	0	·507	−·019	2·5	+1·0	1	0·74	+0·26	0·25	0·21	+0·04	2·23	0·54	+1·69	0·23	Saugor Island.
9	5		1				1	N 10° E		2·2			78		73		·386		2·8		3	0·94	+2·06	0·82	0·55	+0·27	1·45	0·75	+0·70	0·50	Midnapore.
11	4	4					3	N 16° E	N 6° W	2·4†	2·6	+0·2	56	+24	85	+2	·446	+·008	2·0	+0·9	2	0·78	+1·22	1·67	0·32	+1·35	2·32	0·54	+1·78	1·44	Calcutta.
								(a)	N 14° W	0	1·6	−1·6			80	−7	·397	−·038	2·5	+1·3	1	0·90	+0·10	0·47	0·46	+0·01	1·16	0·64	+0·52	0·40	Jessore.
2	1		1				1	N 18° E		1·2			10		90		·384		2·7		1	0·81	+0·19	0·32	0·43	−0·11	0·80	0·53	+0·27	0·27	Krishnagar.
8	1					1	4	N 15° W	N 23° W	1·2	1·6	−0·4	40	+14	78	+6	·391	+·022	3·4	+1·9	1	0·81	+0·19	0·62	0·29	+0·33	1·30	0·40	+0·90	0·54	Burdwan.
1		1				2	2	N 45° W		2·0			10		68		·359		1·8		1	1·06	−0·06	0·50	0·34	+0·16	0·87	0·47	+0·40	0·45	Bankura.
1						3	8	N 52° W		1·4			36		77		·369		3·0		2	0·97	+1·03	0·65	0·43	+0·22	0·85	0·51	+0·34	0·33	Raniganj.
1					3	1	3	N 79° W	N 67° W	0·7	1·6	−0·9	17	−9	84	−4	·379	−·036	3·3	+1·9	1	1·06	−0·06	0·14	0·41	−0·27	0·28	0·52	−0·24	0·14	Berhampore.
								(a)		0·8					72		·329		1·7		0	1·17	−1·17	0	0·59	−0·59	0·28	0·75	−0·47	0	Naya Dumka.
7					1	1	9	N 33° W	N 27° W	0·9	2·8	−1·9	49	−1	¶ 73	−2	¶ ·444	+·002	2·3	+0·8	2	0·61	+1·39	0·28	0·27	+0·01	1·82	0·45	+1·37	0·14	Balasore.
9	1	1				2	3	N 6° W	N 28° W	4·6	5·9	−1·3	72	+4	88	0	·570	+·031	2·8	+1·3	2	0·71	+1·29	1·54	0·46	+1·08	7·08	1·15	+5·93	0·90	False Point.
	2	1			1	1		N 45° E	N 8° W	1·5†	1·4	+0·1	3	−7	87	+9	·543	+·088	1·8	+0·3	2	0·55	+1·45	0·77	0·16	+0·61	3·21	0·43	+2·78	0·46	Cuttack.
7	2				1	1		N 1° W		8·1			86		84		·596		1·7		1	0·43	+0·57	0·20	0·26	−0·06	4·42	0·91	+3·51	0·20	Puri.
2	1	1	2			3	16	N 40° W		2·9			55		84		·465		2·8		2			0·75			2·19			0·56	Angul.
2	8	3	5	7	3	1	1	S 68° E	N 32° W	4·5	2·6	+1·9	27	−47	74	+1	·445	+·040	2·4	+1·1	1	1·00	0	0·19	0·28	−0·09	1·19	0·52	+0·67	0·19	Sambalpur.
2	1	1			9	5	2	S 79° W	S 68° W	1·7	1·2	+0·5	37	−3	89‖	+15	·426‖	+·048	3·7	+2·3	4	1·23	+2·77	2·59	0·14	+2·45	3·32	0·24	+3·08	1·72	Chaibassa.
1	1	1	1	4	3	4	8	N 87° W	N 73° W	5·0	5·2	−0·2	30	−6	72	+9	·312	+·012	2·9	+1·3	2	1·35	+0·65	1·13	0·29	+0·84	2·75	0·38	+2·37	0·64	Ranchi.
1	4					13	11	N 56° W		2·8			68		76		·361		1·4		3	1·35	+1·65	0·50	0·44	+0·06	0·70	0·62	+0·08	0·20	Purulia.
5		2		4	5	5	6	N 81° W	S 86° W	4·9	5·8	−0·9	37	−7	62	−2	·289	−·011	1·8	−0·1	2	1·45	+0·55	0·65	0·48	+0·17	1·56	0·68	+0·88	0·36	Hazaribagh.
		2						E		2·0			6		92		·354		2·9		2	1·63	+0·37	0·80	0·76	+0·04	1·04	1·05	−0·01	0·58	Daltonganj.
	1				6	1	3	S 78° W	S 74° W	0·9	2·1	−1·2	23	−6	91	0	·358	+·008	0·3	−0·9	0	0·90	−0·90	0·07	0·47	−0·40	0·10	0·57	−0·47	0·07	Purnea.
					3	5		S 74° W		1·7			23		70‡		·350‡		1·8		0	1·32	−1·32	0	0·55	−0·55	0·02	0·62	−0·60	0	Bhagalpur.
		2	2	1	7	14	1	S 66° W		4·0			55		83		·399		1·6		0			0·02			0·10			0·02	Monghyr.
	1	1		1	2	2	1	S 67° W	S 84° W	1·4	2·6	−1·2	7	−24	89	+3	·361	−·019	1·7	+0·4	0	1·30	−1·30	0·05	0·62	−0·57	0·14	0·69	−0·55	0·05	Darbhanga.
1				4	5	3		S 38° W		2·2			36		88		·334		1·6		0			0·01			0·13			0·01	Pusa.
		1	1	1	5	5	1	S 58° W		2·1†			29		85		·348		0·7		1	1·33	−0·33	0·31	0·79	−0·48	0·31	0·86	−0·55	0·31	Muzaffarpur.
1					2	2	1	W		1·0			11		94		·343		1·9		1	1·32	−0·32	0·11	0·59	−0·48	0·62	0·73	−0·11	0·11	Motihari.
															89		·341		1·0		0	1·48	−1·48	0·03	0·74	−0·71	0·15	0·83	−0·68	0·0	Chapra.
	1	3	2	2	10	7	1	S 47° W	S 70° W	3·1	2·4	+0·7	46	−2	76	−1	·351	−·005	1·1	−0·6	0	1·32	−1·32	0	0·56	−0·56	0·06	0·66	−0·60	0	Patna.
1	1				10	3	1	S 63° W		1·3			36		74		·300		1·2		0	1·58	−1·58	0	0·88	−0·88	0·37	1·01	−0·64	0	Arrah.
		4		4	11	6		S 40° W		4·4			52		77		·312		1·4		0	1·65	−1·65	0·17	0·78	−0·61	0·96	0·98	−0·02	0·07	Buxar.
1	1		1	1	20	3	4	S 62° W		1·2			68		77		·338		1·0		1	1·35	−0·35	0·32	0·59	−0·27	0·48	0·91	−0·43	0·27	Dehri.
		1		3	1	3		S 37° W	S 16° W	2·8	3·0	−0·2	17	−15	78	+5	·385	−·010	2·4	+0·7	0	1·32	−1·32	0·13	0·59	−0·46	0·22	0·76	−0·54	0·07	Gaya.
																															IV.—United Provinces of Agra and Oudh.
1	1			1	4	4	3	S 82° W	N 84° W	1·0 ††	1·6	−0·6	23	−1·3	87	+5	·323	−·027	0·7	−1·1	1	1·50	−0·50	0·30	0·76	−0·46	0·79	0·90	−0·11	0·21	Gorakhpur.
		1	2	1	8		1	S 29° W	S 49° W	1·6	2·9	−1·3	30	−6	81	−3	·334	−·007	1·5	−0·4	1	1·40	−0·40	0·31	0·67	−0·36	0·69	0·88	−0·19	0·24	Benares.
		1	1	1	4	12	2	S 78° W	N 74° W	2·1	3·8	−1·7	49	+23	79	0	·308	−·027	1·9	0	1	1·60	−0·60	0·41	0·76	−0·35	1·35	1·00	+0·35	0·35	Allahabad.

ons, the elevations of which exceed 3,200 feet. †† Mean of 28 days. (a) Indeterminate. † Uncorrected for scale error.

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. 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
	IV.—United Provinces of Agra and Oudh—*concld.*																						
10	Cawnpore	416	29·618	—·030	30·028	29·750	5th	29·457	9th	·293	49·3	72·3	—1·6	42·8	—4·3	57·6	—2·9	29·5	80·2	15th	38·0	25th	42·2
	Lucknow	368	29·682	?	30·038	29·819	5th	29·527	8th	·292	51·5	72·6	—1·4	45·6	—1·1	59·1	—1·3	27·0	79·0	15th	41·6	7th & 25th.	37·4
	Bahraich	401	29·628	—·024	30·024	29·754	28th	29·490	11th	·264	49·2	71·5	—0·9	46·2	—0·9	58·9	—0·9	25·3	75·1	30th & 31st.	43·0	3rd	32·1
11	Jhansi	824	29·236†	?	30·066†	29·368	29th	29·061	8th	·307	59·1	75·3	—1·1	51·1	0	63·2	—0·5	24·2	88·5	16th	46·5	25th	42·0
	Agra	556	29·488	—·031	30·049	29·621	28th	29·323	8th	·298	51·1	71·3	—2·2	46·3	—2·3	58·8	—2·3	25·0	87·0	16th	42·0	18th & 19th.	45·0
	Mainpuri	516	29·512	—·031	30·030	29·647	5th & 24th.	29·347	8th	·300	48·5	70·9	—0·8	43·5	—2·7	57·2	—1·7	27·4	82·3	16th	39·1	25th	43·2
	Bareilly	568	29·446	—·031	30·025	29·593	5th	29·310	8th	·283	49·1	68·8	—1·8	44·6	—1·5	56·7	—1·7	24·2	78·3	15th	40·5	12th	37·8
	Meerut	738	29·266	—·042	30·034	29·393	5th & 24th.	29·121	8th	·272	45·8	68·6	—1·8	42·8	—2·2	55·7	—2·0	25·8	79·1	15th & 16th.	39·8	18th & 24th.	39·3
	Roorkee	899	29·115	—·026	30·059	29·249	5th	28·979	8th	·270	45·9	67·3	—2·3	42·7	—1·7	55·0	—2·0	24·6	78·0	15th	39·9	12th	38·1
	Dehra Dun	2,233	27·723	—·039	30·045	27·843	4th	27·594	9th	·249	47·5	67·3	+1·1	44·1	—0·7	55·7	+0·2	23·2	77·0	16th	46·0	19th	37·0
	V.—Punjab.																						
12	Delhi	718	29·314‡	—·022‡	30·054‡	29·425	5th	29·152	8th	·273	50·0	69·2	—1·5	47·0	—0·9	58·1	—1·2	22·2	82·2	16th	41·2	24th	41·0
	Sirsa	662	29·365	—·029	30·050	29·501	5th	29·192	8th	·309	47·2	68·9	—2·1	41·2	—1·9	55·1	—2·0	27·7	82·8	15th	35·5	27th	47·3
	Patiala	*818*	29·208		30·063	29·337	4th	29·014	15th	·323	47·3	67·6		42·9		55·3		24·7	82·0	15th	33·6	4th	48·4
	Ambala	892	29·108	—·019	30·046	29·246	5th	28·950	8th	·296	45·5	68·8	+1·0	42·0	—1·3	55·4	—0·1	26·8	83·5	15th	38·9	4 days	44·6
	Ludhiana	812	29·201	—·025	30·054	29·331	5th	29·037	8th	·294	45·4	66·2	—1·0	43·0	—1·3	54·6	—1·1	23·2	84·0	15th	39·0	4th	45·0
	Lahore	702	29·313	—·036	30·052	29·458	5th	29·137	8th	·321	44·0	66·4	—2·6	41·9	+1·2	54·2	—0·7	24·5	77·4	15th	38·2	4th & 27th.	39·2
	Sialkot	830	29·185	—·018	30·057	29·336	4th	29·001	8th	·335	46·2	64·3	—1·9	41·5	—1·3	52·9	—1·6	22·8	76·0	15th	36·5	4th	39·5
	Rawalpindi	1,674	28·315	—·031	30·103	28·463	29th	28·132	8th	·331	42·4	61·3	—1·8	38·5	+0·6	49·9	—0·6	22·8	68·4	30th & 31st.	33·4	3rd & 4th.	35·0
13	Khushab	612	29·420	—·035	30·059	29·569	27th	29·204	16th	·365	46·3	68·4	+0·8	42·1	+0·8	55·3	+0·8	26·3	79·4	31st	37·4	4 days	42·0
	Montgomery	558	29·477	—·031	30·053	29·625	5th	29·286	8th	·339	46·7	67·8	—0·7	41·5	—0·7	54·6	—0·7	26·3	76·4	31st	37·1	17th, 27th & 28th.	39·3
	Multan	420	29·643	—·031	30·066	29·823	29th	29·432	15th	·391	48·7	67·7	—2·5	44·9	+1·6	56·3	—0·5	22·8	76·3	31st	39·0	16th	37·3
	VI.—North-West Frontier Province.																						
15	Peshawar	1,110	28·938	—·039	30·127	29·115	29th	28·740	16th	·375	42·5	61·3	—2·2	39·6	0	50·5	—1·1	21·7	69·7	30th	33·9	4th	35·8
	D. I. Khan	590	29·459	—·048	30·057	29·610	29th	29·241	14th	·369	43·7	66·6	—2·5	40·1	—0·3	53·4	—1·4	26·5	77·9	30th	35·6	26th	42·3
	VII.—Sind.																						
17	Jacobabad	186	29·881	—·037	30·046	30·074	29th	29·647	12th	·427	48·2	71·5	—2·1	43·3	0	57·4	—1·1	28·2	80·6	31st	34·3	17th	46·3
	Hyderabad	96	29·972	—·041	30·029	30·134	29th	29·748	12th	·386	54·3	75·5	—1·3	49·7	—1·4	62·6	—1·3	25·8	81·0	8th & 31st.	37·0	16th	44·0
	Karachi	13	30·059	—·039	30·023	30·153	29th	29·800	12th	·393	61·0	74·8	—0·9	57·5	+0·1	66·2	—0·4	17·3	83·0	10th	43·0	15th	40·0
	VIII.—Rajputana.																						
18	Bikaner	*771*	29·249	—·039	30·050	29·401	29th	29·020	12th	·381	49·4	72·1	+0·3	45·5	—2·9	58·8	—1·8	26·6	80·5	14th & 15th.	39·0	17th	41·5
	Jodhpur	780	29·256	—·026	30·075	29·385	29th	29·035	12th	·350	53·5	75·9	—0·4	48·8	—0·8	62·3	—0·6	27·1	81·0	14th & 15th.	35·8	17th	45·2
19	Jaipur	1,431	28·587	—·028	30·077	28·719	29th	28·422	9th	·297	51·4	73·7	—0·9	46·1	—1·9	59·9	—1·4	27·6	84·2	15th	39·1	18th	45·1
	Sambhar	1,254	28·774	?	30·087	28·923	29th	28·594	9th	·329	48·4	72·3	—1·3	43·3	—2·1	57·8	—1·7	29·0	84·4	15th	38·9	18th	45·5
	Ajmer	1,611	28·411	—·031	30·105	28·557	29th	28·224	9th	·333	46·4	70·3	—3·8	45·3	—0·2	57·8	—2·0	25·0	80·9	15th	41·2	18th & 19th.	39·7
	Kotah	[illegible]	29·204	—·034	30·075	29·341	29th	29·026	9th	·315	55·8	76·2	—0·8	50·9	+0·3	63·6	—0·3	25·3	91·0	15th	47·1	18th	43·9
	Udaipur§	1,925	28·098	—·018	30·073	28·229	29th	27·928	9th	·303	56·8	75·9	+0·6	47·0	+0·1	61·4	+0·3	28·9	84·5	31st	35·3	17th	49·2

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

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

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

ntinued.

ns in India, etc., in January, 1910—continued.

Wind direction.								Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
of winds from																													
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. 1909 to 31st Jan. 1910.	Normal rainfall for period, 1st Dec. to 31st Jan.	Departure from normal of period, 1st Dec. 1909 to 31st Jan. 1910.		
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.*
		4	5	1		S 89° W	N 79° W	2·2	3·0	−0·8	27	− 5	83	+ 4	·294	−·026	0·3	−1·6	1	1·60	−0·60	0·12	0·68	−0·56	1·32	0·85	+ 0·47	0·11	Cawnpore.
	1	3	1	1		S 57° W	N 84° W	1·2	2·2	−1·0	13	−16	78	− 4	·302	−·018	1·1	−1·4	0	1·90	−1·90	0·03	0·96	−0·93	1·21	1·34	− 0·13	0·03	Lucknow.
1		2	1	3		N 70° W	N 45° W	1·7	2·2	−0·5	10	−13	94	+ 7	·334	−·004	1·3	−0·1	0	1·90	−1·90	0·03	0·92	−0·89	1·02	1·26	− 0·24	0·03	Bahraich.
1				1		N 31° E	N 68° W	1·8	2·1	−0·3	7	−11	58	− 4	·295	+·001	1·0	−0·8	0	1·20	−1·20	0	0·62	−0·62	1·11	0·86	+ 0·25	0	Jhansi.
3	3	2	4	4		S 40° W	N 56° W	3·1	3·6	−0·5	17	−15	71	− 1	·271	−·010	1·4	−1·2	2	1·20	+0·80	0·52	0·53	−0·01	1·74	0·82	+ 0·92	0·41	Agra.
	1	5	5	2		N 76° W	N 59° W	1·2	1·6	−0·4	23	− 5	82	+ 6	·283	−·002	1·1	−1·5	1	1·50	−0·50	0·36	0·73	−0·37	1·02	1·07	− 0·05	0·28	Mainpuri.
			4			W	N 45° W	0·4	2·2	−1·8	13	−12	85	+ 2	·299	+·002	1·3	−1·4	1	2·36	−1·36	0·36	1·05	−0·69	1·94	1·38	+ 0·56	0·36	Bareilly.
			5			W	S 88° W	0·5	2·0	−1·5	13	−22	89	+12	·279	+·016	1·0	−2·1	2	2·30	−0·30	0·90	1·35	−0·45	3·16	1·83	+ 1·33	0·80	Meerut.
1				5		N 45° W	N 53° W	1·9	2·1	−0·2	13	− 3	92	+ 7	·284	+·007	2·1	−0·9	2	2·80	−0·80	1·20	1·68	−0·48	2·80	2·29	+ 0·51	0·92	Roorkee.
						(*a*)	S 45° E	1·0‖	1·6	−0·6			79	0	·263	0	2·0	−2·7	3	3·50	−0·50	1·72	2·38	−0·66	3·70	3·18	+ 0·52	0·84	Dehra Dun.
																													V.—Punjab.
	1	1	16	5		N 79° W	S 87° W	2·7	2·9	−0·2	62	+27	76	+ 8	·272	+·013	1·0	−2·6	1	2·40	−1·40	0·88	1·23	−0·35	2·41	1·76	+ 0·65	0·86	Delhi.
	5	6	5	7		S 72° W	N 36° W	3·0	3·4	−0·4	46	+35	75	− 1	·246	−·005	1·4	−2·8	1	1·50	−0·50	0·17	0·84	−0·67	1·55	1·15	+ 0·40	0·17	Sirsa.
1	2		6	10		N 48° W		4·4			43		87		·287		2·3		1			1·03			2·31			1·03	Patiala.
1		1	2	12		N 35° W	N 48° W	3·5	1·9	+1·6	46	+28	91	+ 4	·277	−·007	1·7	−1·7	2	2·80	−0·80	1·40	1·62	−0·22	2·95	2·44	+ 0·51	1·15	Ambala.
			3	2		N 72° W	N 59° W	0·9	1·7	−0·8	13	− 6	88	+ 6	·272	+·001	2·0	−2·5	2	2·60	−0·60	1·15	1·84	−0·69	3·25	2·62	+0·63	1·03	Ludhiana.
3			4			S 41° W	N 88° W	1·7	1·7	0	3	0	90	+ 8	·267	+·012	2·8	−1·2	2	1·90	+0·10	1·46	1·12	+0·34	3·97	1·50	+2·47	1·06	Lahore.
		1	3	3		N 17° W	N 49° S	1·3	1·3	0	17	+ 9	95	+13	·298	+·029	2·8	−0·6	2	3·40	−1·40	1·75	2·51	−0·76	5·28	3·03	+ 2·25	1·42	Sialkot.
			1	2		N	N 40° W	2·5	2·0	+0·5	15	+ 1	85	+ 1	·231	+·004	4·5	−0·2	4	4·20	−0·20	3·92	2·74	+1·18	7·91	3·48	+ 4·43	1·87	Rawalpindi.
1		1	1	1		N 29° E	N 18° E	3·1	2·9	+0·2	30	+19	73	+ 3	·257	+·024	2·0	−1·2	2	1·50	+0·50	0·67	0·82	−0·15	1·49	1·36	+ 0·13	0·38	Khushab.
4	1	3	3	1		S 22° E	N 18° E	3·6	3·4	+0·2	20	+ 6	75	0	·239	−·007	2·5	−1·3	2	1·30	+0·70	0·47	0·84	−0·37	2·69	1·26	+ 1·43	0·28	Montgomery.
2						N 41° E	N 45° E	1·0	1·3	−0·3	7	−16	76	+ 5	·260	+·016	1·8	−1·4	1	1·10	−0·10	0·28	0·45	−0·17	1·46	0·64	+ 0·82	0·16	Multan.
																													VI.—North-West Frontier Province.
	5	2	5			S 45° W	S 18° W	0·8	2·5	−1·7	27	−12	76	+ 3	·214	+·010	4·0	−0·7	4	2·90	+1·10	4·60	1·60	+3·00	6·30	1·93	+4·37	1·68	Peshawar.
			1	9		N 39° W	N 37° W	1·3	1·4	−0·1	33	+15	79	+10	·223	+·018	2·6	−0·7	2	1·40	+0·60	1·18	0·44	+0·74	1·42	0·65	+0·77	0·92	D. I. Khan.
																													VII.—Sind.
1				6		N 9° W	N 22° E	2·1	2·2	−0·1	23	+ 5	70	+ 8	·238	+·020	1·7	−1·8	1	1·00	0	1·13	0·27	+0·86	1·21	0·36	+0·85	1·07	Jacobabad.
	2	1		10		N 24° W	N 7° E	6·4	7·0	−0·6	59	+ 8	61	+ 3	·265	+·007	1·7	−1·5	0	0·70	−0·70	0·07	0·24	−0·17	0·12	0·29	−0·17	0·07	Hyderabad.
1	1		1	2		N 38° E	N 50° E	8·8	9·2	−0·4	69	− 5	61	− 8	·337	+·008	1·7	−0·8	1	1·10	−0·10	0·37	0·66	−0·29	1·09	0·79	+ 0·30	0·35	Karachi.
																													VIII.—Rajputana.
1	2	2	2	2		N 26° E	N 22° W	4·6	3·7	+0·9	37	+15	55	− 2	·194	−·035	2·0	−1·3	0	1·10	−1·10	0·08	0·39	−0·31	1·01	0·56	+0·45	0·08	Bikaner.
		1		2		N 32° E		3·7			66		49	+ 5	·202		1·0		0	0·90	−0·90	0·06	0·23	−0·17	0·84	0·38	+ 0·46	0·06	Jodhpur.
1	1			1		N 45° E	N 6° E	2·9*	3·3	−0·4	37	+ 8	61	− 5	·232	−·033	0·9	−2·2	1	1·50	−0·50	0·21	0·60	−0·39	1·37	0·79	+ 0·58	0·21	Jaipur.
	1					N	N 34° E	2·8	4·1	−1·3	6	− 8	72	+ 6	·246	+·003	0·9	−1·8	1	1·10	−0·10	0·28	0·39	−0·11	2·51	0·74	+ 1·77	0·28	Sambhar.
				1		N 9° W	N 9° W	2·5	2·2	+0·3	11	−7	78	+ 5	·249	−·015	1·1	−1·4	1	1·30	−0·30	0·30	0·44	−0·14	1·80	0·71	+ 1·09	0·30	Ajmer.
		3	1			N 22° W		1·6			10		70	+15	·312		0·7		1	0·70	+0·30	0·47	0·18	+0·29	0·95	0·54	+ 0·41	0·47	Kotah.
	1			1		N 24° W		1·5‡			7		51	+ 5	·267		0·9		0	0·30	−0·30	0·05	0·06	−0·01	0·23	0·19	+0·04	0·05	Udaipur.

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

‡ Mean of 28 days.

* Uncorrected for scale error.

(*a*) Indeterminate.

Tabl

(2) *Abstract of observations taken at 8 hrs. at 23*

Number of subdivision.	Station.	Elevation of barometer 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
	IX.—Bombay.																						
20	Deesa	466	29·554	—·012	30·095	29·671	24th	29·388	9th	·283	56·1	83·5	+0·4	49·7	—1·8	66·6	—0·7	33·8	91·3	30th & 31st.	35·4	17th	55·9
	Bhuj	395	29·612	—·035	30·014	29·751	24th	29·465	12th	·286	58·5	79·4	—1·0	53·4	—1·0	66·4	—1·0	26·0	88·0	31st	44·0	17th	44·0
	Jamnagar	61	30·004		30·010	30·111	28th	29·833	11th & 12th.	·278	62·6	79·2		52·7		65·9		26·5	84·4	31st	45·3	17th & 28th.	39·1
	Dwarka	37?	30·014		29·999	30·120	24th	29·849	12th	·271	65·7	77·9		59·2		68·6		18·7	85·3	31st	52·7	18th	32·6
	Rajkot	429	29·587	—·033	30·001	29·599	24th	29·445	11th	·254	60·0	82·7	—1·3	50·2	—0·9	66·4	—1·1	32·5	91·9	30th	41·0	17th & 18th.	50·9
	Veraval	*18*	30·004	—·037	29·964	30·113	24th	29·868	11th	·245	64·5	81·2	—0·3	58·9	+0·1	70·9	—0·1	22·3	89·6	31st	50·8	19th	3[illegible]·8
	Bhavnagar Para	55	29·994	—·048	29·993	30·078	24th	29·824	9th	·255	60·8	83·9	+1·3	53·9	+2·2	68·9	+1·7	30·0	92·6	30th	42·5	18th	50·1
	Surat	89	29·977	—·035	29·963	30·063	17th	29·839	11th	·224	62·2	85·4	—1·5	57·2	+0·7	71·3	—0·4	28·2	93·1	29th	49·1	18th	44·0
	Ahmedabad	163	29·860	—·048	29·931	29·972	24th	29·699	9th	·273	62·1	83·9	—0·1	57·3	+0·3	70·6	+0·1	26·6	92·6	31st	45·7	17th	46·9
26	Bombay	37	29·962	—·049	29·940	30·039	17th	29·855	11th	·184	70·0	83·6	+1·0	67·2	—0·7	75·4	+0·1	16·4	88·5	29th	60·5	18th	28·0
	Ratnagiri	110	29·860	—·049	29·912	29·932	29th	29·764	9th & 11th.	·168	73·0	87·9	+0·2	65·7	—0·5	76·8	—0·1	22·2	96·3	30th & 31st.	58·9	18th	37·4
	Goa	199	?	?	?	?		?		?	72·0	85·1	—1·8	68·2	+0·4	76·6	—0·7	16·9	91·1	31st	65·1	20th	26·0
	Mormugao	*60*	29·909	—·050	29·905	29·979	24th	29·812	9th	·167	72·3	85·4	—0·4	69·6	+0·7	77·5	+0·1	15·8	92·0	31st	66·7	18th & 20th.	25·3
	Karwar	44	29·953	—·046	29·912	29·995	5th	29·838	9th	·157	67·8	87·8	+0·9	64·9	—0·6	76·3	+0·1	22·9	94·3	31st	62·0	19th & 23rd.	32·3
27	Malegaon	1,430	28·538	?	29·987	28·679	29th	28·367	9th	·312	59·5	86·8	+1·2	51·4	—0·5	69·1	+0·3	35·4	91·4	8th	40·1	18th	51·3
	Ahmednagar	2,154	27·887‡	?	30·060‡	27·985	29th	27·772	8th	·213	63·1	85·3	+1·3	52·2	+1·5	68·8	+1·4	33·1	88·4	9th, 13th & 14th.	43·0	19th	45·4
	Poona	1,846	28·164	—·026	30·033	28·269	29th	28·024	9th	·245	60·7	86·7	+0·8	52·4	—1·9	69·6	—0·5	34·3	89·5	9th	44·3	17th & 18th.	44·7
	Sholapur	1,590	28·396	—·050	29·985	28·494	29th	28·263	9th	·231	66·5	88·2	+0·5	58·9	+0·7	73·6	+0·6	29·3	91·8	10th & 13th.	50·9	19th	40·9
	Bijapur	*1,948*	28·026	—·050	29·968	28·119	29th	27·891	9th	·228	67·1	88·2	+3·0	59·2	+1·2	73·7	+2·1	29·0	93·2	10th	51·2	31st	42·0
	Belgaum	539	27·435	—·040	29·952	27·511	29th	27·329	9th	·182	67·6	84·6	+1·1	57·4	—0·1	71·0	+0·5	27·2	88·3	10th	53·0	11th	35·3
	X.—Central India.																						
21	Neemuch	1,624	28·380	—·030	30·063	28·596	29th	28·205	9th	·301	52·9	77·6	0	47·9	—0·8	62·7	—0·4	29·7	84·0	15th	37·8	17th	46·2
	Indore	1,823	28·190	?	30·054	28·308	29th	28·024	9th	·284	58·0	80·1	+0·7	49·8	0	64·9	+0·3	30·3	85·1	15th	41·6	18th & 19th.	43·5
22	Nowgong	754	29·279	—·010	30·052	29·405	29th	29·114	9th	·292	50·6	73·4†	—1·7†	45·5	—1·5	59·4†	—1·6	27·9	84·5	16th	39·0	25th & 26th.	45·5
	Sutna	1,040	28·966	—·049	30·038	29·090	24th	28·804	8th	·286	52·9	75·2	+0·1	47·3	+0·2	61·5	+0·1	27·4	85·5	16th	40·5	28th	45·0
	XI.—Central Provinces.																						
23	Buldana	2,132	27·872		30·004	27·935	29th	27·729	9th	·256	66·3	81·4		57·5§		69·4§		23·9	85·6	14th	49·3	18th	36·3
	Akola	930	29·083	—·036	30·010	29·204	29th	28·922	9th	·282	62·5	86·2	+1·0	54·5	+1·1	70·3	+1·1	31·7	89·2	15th, 16th & 23rd.	42·6	18th	46·6
	Amraoti	1,215	28·776	—·046	29·990	28·904	29th	28·619	9th	·285	64·5	84·6	0	58·7	+0·9	71·6	+0·5	25·9	87·8	15th	50·8	18th	37·0
24	Khandwa	1,044	28·959	—·042	30·019	29·082	29th	28·751	9th	·283	57·0	85·6	+1·7	52·7	+0·9	69·2	+1·3	32·9	92·2	15th	41·1	18th & 19th.	51·1
	Hoshangabad	1,006	29·015	—·036	30·042	29·142	29th	28·837	9th	·305	56·3	80·3	0	51·8	—0·5	66·1	—0·3	28·5	87·1	16th	42·9	18th	44·2
	Saugor	1,807	28·183	—·047	30·031	28·297	24th	28·024	9th	·273	57·9	76·4	—0·5	52·8	+1·0	64·6	+0·3	23·6	86·1	15th	45·0	18th	41·1
	Jubbulpore	1,327	28·676	—·041	30·040	28·799	29th	28·493	8th	·306	54·1	77·4	—0·2	49·4	+1·4	63·4	+0·6	28·0	85·0	16th	40·8	26th	44·2
	Seoni	2,033	27·972	—·039	30·045	28·090	23th	27·798	9th	·292	58·4	78·1	—1·1	49·7	—1·6	63·9	—1·3	28·4	83·0	15th	42·0	19th	41·0
	Nagpur	1,017	28·984	—·045	30·003	29·116	29th	28·802	9th	·314	62·2	83·5	0	55·2	—0·4	69·3	—0·2	28·3	87·6	15th	46·8	19th	40·8
25	Pendra	2,123?	27·963		30·043	28·078	29th	27·781	8th	·297	57·1	75·4		50·8		63·1		24·6	81·8	16th	41·2	29th	40·6
	Raipur	970	29·034	—·046	30·005	29·154	29th	28·859	9th	·295	59·9	80·6	—1·0	56·7	+1·3	68·6	+0·1	23·9	84·7	17th	50·6	19th, 20th & 21st.	34·1
	Chanda	*634*	29·371	—·051	29·934	29·501	29th	29·194	10th	·310	61·3	85·7	+0·3	53·8	—0·3	69·8	0	31·9	90·0	17th	45·0	30th	45·0
	Jagdalpur	...	28·191			28·289	5th	28·031	9th & 11th	·258	59·8	80·0		54·0		67·0		26·0	82·7	9th & 10th.	48·1	28th & 31st.	34·6

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 3,000 feet.

§ Mean of 22 days. ‡ Mean of 27 days.

—continued.

tions in India, etc., in January, 1910—continued.

Wind direction. Number of winds from N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction. (34)	Normal direction. (35)	Wind velocity. Mean velocity, miles per hour. (36)	Normal. (37)	Departure from normal. (38)	Wind steadiness. Actual percentage. (39)	Departure from normal. (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal. (42)	Mean vapour tension at 8 hrs., in inches of mercury. (43)	Departure from normal, in inches of mercury. (44)	Cloud. Mean cloud amount at 8 hrs. (45)	Departure from normal. (46)	Rainfall. Number of rainy days. (47)	Normal number of rainy days. (48)	Departure from normal. (49)	Rainfall of month. (50)	Normal rainfall of month. (51)	Departure from normal. (52)	Total rainfall from 1st Dec. 1909 to 31st Jan., 1910. (53)	Normal rainfall for period, 1st Dec. to 31st Jan. (54)	Departure from normal of period, 1st Dec. 1909 to 31st Jan., 1910. (55)	Heaviest rainfall during month. (56)	Station. (57)
																														IX.—Bombay.
2		3	2			1	N 43° E	N 55° E	3·0*	8·0	−5·5	13	−45	52	+ 6	·237	+·010	0·8	−0·8	0	0·36	−0·36	0	0·15	−0·15	0·05	0·21	− 0·16	0	Deesa.
2	2	1	2	7	3	4	S 87° W	N 45° W	6·1	6·5	−0·4	21	+ 3	58	+ 3	·293	−·019	1·5	+0·2	0	0·10	−0·10	0	0·07	−0·07	0	0·14	− 0·14	0	Bhuj.
12	3		1	1		1	N 54° E		7·0			41		65		·330		0·8		0			0			0·59			0	Jamnagar.
9	1				3	8	N 4° W		10·3			63		66		·429		1·4		1			0·11			0·56			0·11	Dwarka.
6	6	3	2	1	1	1	N 72° E	N 55° E	5·6	5·2	+0·4	33	− 9	53†	0	·279†	−·011	1·3	+0·3	0	0·20	−0·20	0·01	0·04	−0·03	0·59	0·08	+ 0·51	0·01	Rajkot.
9						1	N 16° E	N 20° E	6·3	5·9	+0·4	69	− 6	64	+12	·330	+·063	2·3	+1·0	0	0	0	0	0	0	0·45	0·09	+ 0·36	0	Veraval.
1		3		1	9	15	N 61° W	N 85° W	4·3	6·9	−2·6	61	− 1	53	−14	·289	−·018	1·2	+0·1	0	0·10	−0·10	0·01	0·07	−0·06	1·03	0·14	+ 0·89	0·01	Bhavnagar Para.
4	4	1	1		3	4	N 9° E	N 5° E	2·9	4·9	−2·0	40	− 2	67	+ 3	·384	+·008	0·9	+0·2	0	0·20	−0·20	0	0·05	−0·05	0·42	0·06	+ 0·36	0	Surat.
17		1				3	N 27° E	N 48° E	4·8	4·3	+0·5	73	+ 5	48	+ 1	·267	−·003	0·6	−1·1	0	0·10	−0·10	0·05	0·03	+0·02	0·10	0·10	0	0·05	Ahmedabad.
18	7	1					N 51° E	N 58° E	8·4*	9·9	−1·5	86	+ 5	73	+ 1	·536	−·013	1·3	+0·4	0	0·10	−0·10	0	0·10	−0·10	0	0·16	− 0·16	0	Bombay.
4	23						N 77° E	S 88° E	9·3	7·7	+1·6	89	+34	55	− 5	·438	−·041	0·7	−0·1	0	0·20	−0·20	0	0·15	−0·15	0	0·20	− 0·20	0	Ratnagiri.
11	19						N 72° E	N 75° E	6·5†	5·6	+1·0	92	+ 5	72†	+ 5	·564†	−·006	2·4	+2·0	0			0	0·19	−0·19	0	0·25	− 0·25	0	Goa.
5	21	2				1	N 79° E	S 84° E	7·7*	8·2	−0·5	82	+ 5	80	− 1	·624	−·009	2·0	+1·6	0			0	0	0	0	0	0	0	Mormugao.
14	1						N 36° E	N 62° E	2·7*	3·5	−0·8	62	−25	80	+ 1	·519	+·016	1·3	+0·9	0	0·10	−0·10	0	0·09	−0·09	0	0·16	− 0·16	0	Karwar.
5	3	3	1	2	1	1	N 72° E	N 68° W	4·2	5·1	−0·9	23	−42	48	−10	·219	−·058	0·3	−1·0	0	0·10	−0·10	0	0·11	−0·11	0·32	0·37	− 0·05	0	Malegaon.
	1	1	6	2		11	N 78° W	N 5° W	5·7	5·9	−0·2	23	+16	44†	−17	·257†	−·086	0·3	−0·6	0	0·20	−0·20	0	0·01	−0·01	0·02	0·51	− 0·49	0	Ahmednagar.
2	3				5	12	N 35° W	S 70° W	4·5*	6·2	−1·7	53	−15	57†	0	·301†	−·007	2·0	+1·2	0	0·20	−0·20	0	0·04	−0·04	0	0·23	− 0·23	0	Poona.
4	4	8				7	N 74° E	S 66° E	5·9	7·8	−1·9	27	−28	42	− 6	·280	−·045	1·0	0	0	0·20	−0·20	0	0·07	−0·07	0·63	0·50	+ 0·13	0	Sholapur.
3	3	9	7	2	2	2	S 36° E	S 59° E	4·9	4·2	+0·7	37	− 7	50	−13	·331	−·124	0·3	−0·9	0	0·20	−0·20	0	0	0	0·03	0·03	0	0	Bijapur.
5	10	3			1		N 77° E	S 81° E	9·3	10·0	−0·7	49	+ 6	54	− 2	·358	+·002	1·5	+0·6	0	0·20	−0·20	0	0·04	−0·04	0	0·16	− 0·16	0	Belgaum.
																														X.—Central India.
13	1	1			2		N 21° E	N 48° E	4·5	6·5	−2·0	79	+29	50	− 7	·202	−·062	0·9	−0·7	0	0·40	−0·40	0	0·21	−0·21	0·08	0·49	−0·41	0	Neemuch.
6	5	4		2		1	N 86° E	N 36° E	2·4	2·4	0	33	+22	59	− 3	·283	−·015	2·1	+0·7	0	0·40	−0·40	0	0·13	−0·13	2·11	0·33	+ 1·78	0	Indore.
1	3		9	2	1	1	S 5° E	N 56° W	1·4	1·4	0	23	− 3	77	+ 1	·288	−·020?	1·5	−0·8	0	1·70	−1·70	0	0·71	−0·71	1·43	1·26	+ 0·17	0	Nowgong.
					8	10	N 62° W	N 20° W	1·9	4·1	−2·2	53	+20	68	− 2	·277	−·015	3·6	+2·4	2	1·80	+0·20	0·54	0·92	−0·38	1·29	1·35	− 0·06	0·36	Satna.
																														XI.—Central Provinces.
2	4	8	7	2	2	3	S 34° E		5·4	5·7	−0·3	36		40		·260		1·3		0			0	0·22	−0·22	2·50	0·81	+1·69	0	Buldana.
6	4	3		2	1	2	N 64° E	S 84° E	3·6	3·7	−0·1	23	−12	53	− 2	·318	+·020	1·5	+0·3	0	0·70	−0·70	0	0·33	−0·33	5·47	1·08	+ 4·39	0	Akola.
9	13	1			1		N 71° E	N 87° E	6·1‖	4·2	+1·9	66	+ 5	55	+ 3	·341	+·014	0·9	−0·3	0	0·90	−0·90	0	0·35	−0·35	4·31	0·92	+ 3·39	0	Amraoti.
3	6	2	2	2	2	3	N 71° E	N 39° E	4·7	3·3	+1·4	13	−10	58	+ 2	·283	+·008	1·3	+0·3	0	0·50	−0·50	0	0·26	−0·26	0·60	0·69	− 0·09	0	Khandwa.
8	12	2		1			N 79° E	N 63° E	3·1	2·8	+0·3	59	+ 2	65	− 2	·301	−·009?	1·5	+0·1	0	0·80	−0·80	0	0·26	−0·26	1·62	0·79	+ 0·83	0	Hoshangabad.
5	6	11	3	1		1	S 65° E	S 84° E	4·9	3·5	+1·4	56	+27	46	−13	·224	−·056	2·0	+0·7	0	1·50	−1·50	0·07	0·61	−0·57	0·73	1·34	− 0·61	0·07	Saugor.
4	1	6	8				N 51° E	S 63° E	1·8	2·0	−0·2	33	− 3	77	+ 2	·328	+·007	2·4	+0·7	1	1·40	−0·40	0·86	0·72	+0·14	1·69	1·05	+ 0·64	0·75	Jubbulpore.
7	1	2	1	2	1	1	N 26° E	N 39° E	4·1	2·6	+1·5	33	+ 1	63	+ 2	·340	+·001	1·8	+0·2	1	1·20	−0·20	0·18	0·53	−0·35	4·25	1·05	+ 3·20	0·18	Seoni.
2						5	N 6° W	N 13° E	2·6	3·5	−0·9	62	+30	66	+ 5	·381	+·033	1·5	+0·2	0	1·00	−1·00	0	0·43	−0·43	5·04	0·91	+ 4·13	0	Nagpur.
3	1	2	1	1		6	N 2° W		4·2			39		65		·315		2·2		0			0·21			1·39			0·09	Pendra.
4	2	1	2	2		1	N 38° E	N 13° E	2·2	2·7	−0·5	17	+ 7	71	+ 9	·377	+·030	1·1	−0·3	0	0·80	−0·80	0	0·20	−0·20	2·70	0·45	+ 2·25	0	Raipur.
1	2	3			1	1	N 68° E	N 68° E	2·4	2·0	+0·4	10	−18	73	+ 2	·408	+·011	1·2	+0·1	0	0·60	−0·60	0	0·30	−0·30	1·03	0·64	+ 0·39	0	Chanda.
2	1	1	1	1	1	4	N 14° W					20		83		·430		1·5		0			0			0·10			0	Jagdalpur.

* Uncorrected for scale error. ¶ Mean of 29 days. ‖ Mean of 25 days. † Mean of 30 days.

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. 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
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	28·105	−·054	30·019	28·217	29th	27·954	9th	·263	65·1	85·0	−0·2	54·5	−0·4	69·7	−0·3	30·5	87·7	31st	42·7	21st	4
	Nizamabad	1,248	28·739	?	29·983†	28·857	29th	28·579	9th	·278	65·8	87·9	+2·6	54·8	−1·6	71·4	+0·5	33·1	92·4	10th	48·7	19th & 21st	4
	Bidar	*2,165*	?		?	?		?		?	69·8	85·0		57·5		71·3		27·5	90·2	10th	53·8	18th	3
29	Gulbarga	1,503	28·490	−·041	29·985	28·583	29th	28·348	9th	·235	67·5	88·3	+1·6	59·2	+0·7	73·8	+1·1	29·1	92·0	10th	52·3	31st	3
	Raichur	*1,311*	28·646	?	29·937	28·738	29th	28·501	11th	·237	70·1	87·5	+0·8	64·7	+1·3	76·1	+1·1	22·8	92·6	10th	60·6	10th	3
	Hyderabad (Deccan)	1,690	28·304	−·042	30·001	28·406	29th	28·160	9th	·24[illegible]	64·1	86·3	+1·8	59·1	+1·0	72·7	+1·4	27·2	90·3	10th	52·7	31st	3
	Hanumkonda	871	29·134	−·034	29·979	29·250	29th	28·979	10th	·271	69·6	86·6	+0·8	63·0	+0·1	74·8	+0·5	23·6	81·0	10th	57·7	29th	3
	XIII.—Mysore.																						
30	Chitaldroog	2,405	27·583	−·036	29·959	27·648	24th	27·474	11th	·174	69·1	85·7	+1·9	61·6	+0·5	73·7	+1·2	24·1	88·6	10th	57·4	7th	31
	Hassan	3,149	26·872	−·023	29·987	26·955	24th	26·774	11th	·181	64·4	82·4	+0·9	55·9	+1·8	69·2	+1·3	26·5	85·7	31st	51·7	15th	34
	Bangalore	3,021	26·987	−·051	29·983	27·049	24th	26·882	11th	·167	63·8	83·0	+2·8	57·6	+0·8	70·3	+1·8	25·4	87·3	11th, & 12th.	52·8	1st	34
	Mysore	2,518	27·481	−·041	29·976	27·558	24th	27·391	12th	·167	67·4	84·2	+0·2	59·7	+0·4	72·0	+0·3	24·5	87·5	11th	56·0	24th	31
	XIV.—Madras.																						
31	Mangalore	65	29·895	−·059	29·892	29·992	24th	29·810	8th & 11th,	·182	75·5	89·5	−0·1	67·7	−0·7	78·6	−0·4	21·8	94·3	h	64·8	25th	29
	Calicut	27	29·931	−·053	29·888	30·016	25th	29·845	10th	·171	74·6	86·5	−1·1	70·6	+1·0	78·5	−0·1	15·9	88·8	31st	66·1	25th	22
	Cochin	9	29·945	−·047	29·882	30·023	25th	29·857	8th	·166	75·3	90·5	+1·4	71·8	+0·3	81·2	+0·9	18·7	94·2	6th	69·1	21st	25
	Trivandrum	198	29·742	−·030	29·873	29·813	25th	29·636	8th	·177	75·2	84·6	+1·2	72·2	+1·0	78·4	+1·1	12·4	86·5	8th	69·5	26th	17
32	Tinnevelly	168	29·837	−·034	29·937	29·921	24th	29·726	11th	·195	75·6	88·9	+1·2	70·8	−0·8	79·8	+0·2	18·1	92·2	29th	67·9	24th	24
	Pamban	37	29·937	−·050	29·901	30·018	25th	29·811	11th	·177	77·0	83·2	+1·3	73·8	−1·0	78·5	+0·1	9·4	84·7	12th, 20th & 21st.	72·0	16th & 18th.	12
	Madura	447	29·558	−·025	29·950	29·645	24th	29·451	11th	·194	74·6	87·7	+0·2	67·4	−1·2	77·5	−0·5	20·3	91·4	28th	63·1	19th	28
	Pudukkottai	318	29·687		29·945	29·763	25th	29·578	11th	·185	73·1	87·4		67·7		77·6		19·7	90·1	29th	63·7	20th	26
	Negapatam	31	29·952	−·050	29·913	30·025	25th	29·861	10th	·164	77·4	82·9	+1·1	72·4	+1·6	77·7	+1·3	10·5	87·0	12th	68·0	26th	19
	Trichinopoly	255	29·750	−·038	29·943	29·831	2[illegible]th	29·640	1[illegible]th	·191	74·9	89·9	+2·5	67·8	+0·6	78·9	+1·5	22·1	93·1	12th	63·3	16th & 20th,	29
	Coimbatore	1,348	28·645	−·038	29·969	28·726	24th	28·530	11th	·196	70·4	87·7	+0·9	64·2	+0·3	76·0	+0·6	23·5	92·4	12th	61·3	4 days.	31
	Salem	940	29·084	−·042	29·985	29·159	22nd	28·962	11th	·197	73·2	89·0	+0·7	65·6	+1·9	77·3	+1·3	23·4	92·0	11th & 12th,	59·4	24th	32
	Cuddalore	37	29·962	−·045	29·930	30·034	4th	29·853	11th	·181	72·5	85·4	+2·1	67·5	+0·2	76·5	+1·1	17·9	87·1	30th & 31st.	64·2	16th & 20th.	22
	Vellore	707	29·304		29·974	29·378	24th	29·177	11th	·201	65·6	86·6		63·0†		74·9†		23·6	93·2	24th	56·0	16th	37
	Madras	22	29·989	−·052	29·942	30·065	24th	29·860	11th	·205	73·9	86·0	+1·3	67·3	−0·1	76·7	+0·6	18·7	89·0	11th	64·0	4 days.	25
33	Cuddapah	433	29·569	−·049	29·952	29·650	29th	29·423	10th	·227	72·4	91·6	+3·2	65·6	+1·2	78·6	+2·2	26·0	96·7	12th	61·1	24th	35
	Bellary	1,475	28·516	−·039	29·975	28·599	29th	28·381	11th	·218	69·0	89·7	+2·1	62·7	+2·2	76·3	+2·1	27·0	94·0	10th	59·3	2nd & 6th	34
	Kurnool	323	29·063	−·055	29·966	29·152	29th	28·913	10th	·239	65·9	89·5	+0·8	60·6	+1·9	75·1	+1·3	28·6	93·2	10th	55·1	11th	38
34	Nellore	66	29·941	−·050	29·942	30·023	24th	29·796	11th	·227	72·1	86·7	+0·7	67·8	+1·5	77·3	+1·1	18·9	92·1	11th	64·6	8th & 24th.	27
	Masulipatam	15	30·019	−·038	29·969	30·095	29th	29·870	11th	·225	72·0	85·0	+1·5	66·6	+1·3	75·8	+1·4	18·4	87·3	30th	63·2	17th	24
	Cocanada	26	30·006	−·033	29·968	30·088	5th	29·859	10th	·229	71·5	82·6	+1·6	67·9	+2·6	75·2	+2·1	14·7	90·2	23rd	64·0	31st	26
	Waltair (Vizagapatam).	*296*	29·800	−·051	29·973	29·889	5th & 29th,	29·658	11th	·231	72·7	80·8		69·3		75·1		11·5	82·6	29th & 30th.	66·9	31st	15
	Calingapatam	19	30·014		29·973	30·113	5th	29·861	10th	·252													
	Gopalpur	72	29·958	−·040	29·974	30·059	5th	29·784	9th	·275	67·9	81·4	+1·1	64·3	+3·1	72·9	+2·1	17·1	86·2	19th	57·5	31st	28

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

† Mean of 29 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.*

stations in India, etc., in January, 1910—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., 1909 to 31st Jany. 1910.	Normal rainfall for period, 1st Dec., to 31st Jany.	Departure from normal of period 1st Dec., 1909 to 31st Jany., 1910.	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	1	6	9	3		2	1	1	N 79° E		6·7			40		45	−3	·284		1·6		0	0·20	−0·20	0	0·26	−0·26	1·00	0·59	+0·41	0	Aurangabad.
2	2	2	2	1	7	2	2	1	S		4·0			16		54	−11	·317		1·1		0	0·20	−0·20	0	0·09	−0·09	0·03	0·23	−0·20	0	Nizamabad.
2		6	3	15	2	3			S 56° E		4·5			58		49†		·361†		0·2		0	0·10	−0·10	0	0·02	−0·02	0·03	0·54	−0·51	0	Bidar.
6		9	13	2	1				N 80° E	N 86° E	7·0	7·1	−0·1	69	+37	56	−1	·377	+·001	0·5	−0·6	0	0·20	−0·20	0	0·07	−0·07	0·02	0·07	−0·05	0	Gulbarga.
4		10	4	13					S 84° E	S 55° E	5·1	8·1	−3·0	65	+13	52	−11	·389	−·060	2·0	+0·5	0	0·10	−0·10	0	0	0	0	0	0	0	Raichur.
1									(a)	S 51° E	2·2	3·6	−1·4			65	−10	·402	−·052	1·7	+0·3	0			0	0·06	−0·06	0	0·23	−0·23	0	Hyderabad (Deccan.)
7	2			15	6			1	S 36° E		4·8†			56		68	−5	·497		2·1		0	0·20	−0·20	0	0·23	−0·23	0	0·52	−0·52	0	Hanumkonda.
																																XIII.—Mysore.
2		1	11	10			2	5	S 78° E	S 69° E	5·7	6·7	−1·0	43	−12	59	+1	·428	+·006?	2·9	+1·4	0	0·30	−0·30	0	0·01	−0·01	0·27	0·10	+0·17	0	Chitaldroog.
1		4	12	7					S 84° E	S 80° E	4·8	2·9	+1·9	65	−4	76	+4	·457	−·003	2·0	−0·7	0	0·10	−0·10	0	0	0	1·51	0·18	+1·33	0	Hassan.
		3	23	3		1			S 89° E	N 87° E	7·7	5·3	+2·4	89	+7	77	−1	·458	0	3·5	+0·5	0	0·10	−0·10	0	0·14	−0·14	0	0·62	−0·62	0	Bangalore.
	2	10	8	3	2	2		1	N 74° E	N 72° E	9·3	8·8	+0·5	53	−17	74	+1	·500	+·016	3·9	+1·4	0	0·10	−0·10	0	0	0	0·51	0·17	+0·34	0	Mysore.
																																XIV.—Madras.
	1	6	22	1					N 81° E	S 85° E	5·3*	3·1	+2·2	89	+11	70	−1	·630	+·029	2·5	+0·9	0	0·10	−0·10	0	0·05	−0·05	0	0·50	−0·50	0	Mangalore.
		7	16	6					N 88° E	N 80° E	4·5	8·4	−3·9	82	−1	79	+2½	·676	+·015	1·8	+0·4	0	0·30	−0·30	0	0·19	−0·19	1·91	1·16	+0·75	0	Calicut.
		14	12	2					N 70° E	N 42° E	5·6*	5·1	+0·5	79	−2	68	−4	·596	−·045	2·3	+0·9	0	1·00	−1·00	0	0·54	−0·54	0·45	2·20	−1·75	0	Cochin.
	2	12	4	1					N 53° E	N 44° E	3·1*	4·0	−0·9	56	+6	72	−5	·684	−·043	4·3	+1·4	1	1·30	−0·30	0·22	0·63	−0·41	1·74	2·87	−1·13	0·22	Trivandrum.
	16	1	1	1			2	9	N 15° W	N 19° W	4·7	5·1	−0·4	76	−7	72	−6	·640	−·058	4·8	+2·3	2	1·50	+0·50	0·36	1·02	−0·66	5·59	4·77	+0·82	0·17	Tinnevelly.
	8	20	2						N 36° E†	N 15° E	12·3	11·4	+0·9	89	+45	87	+2	·806		4·5		5	2·20	+2·80	2·46	1·33	+1·13	9·34	11·64	−2·30	0·77	Pamban.
	12	10	2			1	6		N 9° E	N 3° E	8·3	5·1	+3·2	79	0	77	+3	·660	+·028	5·6	+2·8	3	0·80	+2·20	1·31	0·24	+1·07	2·12	2·11	+0·01	0·81	Madura.
	14	14					2		N 28° E		9·7			87		82		·671		5·3		1			1·10			2·56			1·10	Pudukkottai.
		17				1	13		N 5° E	N 1° W	13·3	7·8	+5·5	69	+8	75	−7	·713	−·001	5·2	−0·3	2	1·90	+0·10	0·50	1·37	−0·87	3·17	14·16	−10·99	0·35	Negapatam.
	14	4		1		1	2		N 3° E	N 18° E	4·6*	4·4	+0·2	59	+11	72	−5	·626	−·006	3·2	+0·2	0	0·60	−0·60	0	0·27	−0·27	0·08	3·03	−2·95	0	Trichinopoly.
		15	1						N 47° E‡	N 67° E	4·2‡	2·9	+1·3	56	−16	78	−6	·590	−·028	3·9	+1·4	0	0·50	−0·50	0	0·16	−0·16	0·34	1·29	−0·95	0	Coimbatore.
	4	5	12	1		1	3		N 64° E	N 50° E	4·0	4·8	−0·8	46	+4	86	+11	·710	P	3·5	+1·1	0	0·30	−0·30	0	0·23	−0·23	0	1·49	−1·49	0	Salem.
	12	1					1	12	N 22° W	N 21° W	8·1	2·6	+5·5	76	−3	83	−5	·673	−·037	4·4	+0·2	1	1·20	−0·20	0·11	0·80	−0·69	1·27	8·99	−7·72	0·10	Cuddalore.
									(a)		0·1†					83		·585		3·1		0	0·70	−0·70	0	0·49	−0·49	0·10	3·37	−8·27	0	Vellore.
	14	6	1		3		2	2	N 6° E	N 16° E	6·1*	5·7	+0·4	56	−2	85	+3	·722	+·033	3·3	−0·1	1	2·10	−1·10	0·20	0·52	−0·32	1·09	6·54	−5·45	0·13	Madras.
	1	3	3	15		5	2	2	S 43° E	S 65° E				46	−8	72	−3	·576	−·005	3·4	+1·9	0	0·20	−0·20	0	0·16	−0·16	0	1·30	−1·30	0	Cuddapah.
			2	5	9	2	2	2	S 3° E	S 36° E	2·8	3·6	−0·8	43	+1	54	−12	·382	−·073	1·8	+0·2	0	0·10	−0·10	0	0·09	−0·09	0	0·20	−0·20	0	Bellary.
			3	2	1	2		1	S 37° E	S 80° E	3·7*			13	+9	67	−1	·432	−·030	1·5	+0·3	0	0·20	−0·20	0	0·07	−0·07	0	0·19	−0·19	0	Kurnool.
	6	1	1		3	2	3	11	N 46° W	N 51° W	4·2*	3·7	+0·5	46	−5	83	−3	·659	−·016	4·6	+0·9	0	0·50	−0·50	0·01	0·55	−0·54	0·04	2·19	−2·15	0·01	Nellore.
	1	8		4				2	N 25° E	N 14° E	5·7	4·6	+1·1	56	−19	84	−2	·664	+·021	2·1	+0·3	0	0·30	−0·30	0	0·07	−0·07	0	0·85	−0·85	0	Masulipatam.
	1	11						4	N 12° E	N 7° W	6·7	7·9	−1·1	76	−5	85	+12	·653	P	5·1	+3·4	0	0·40	−0·40	0	0·11	−0·11	3·89	0·91	+2·98	0	Cocanada.
	4	7				2	14	3	N 52° W	N 78° W	6·8			56	+7	74	+8	·601	+·049	3·7	+2·3	0	0·60	−0·60	0·02	0·16	−0·14	9·53	1·96	+7·57	0·02	Waltair (Vizagapatam.)
	1	1	1				1	17	N 25° W		5·8			87						3·7		0			0			12·71			0	Calingapatam
	5					1		15	N 25° W	N 21° W	10·4‡	8·4	+2·0	92	+11	82	+5	·561	+·062	1·0	−0·4	0	0·40	−0·40	0	0·12	−0·12	6·45	0·87	+5·58	0	Gopalpur.

* Uncorrected for scale error.
(a) Indeterminate.

† Mean of 30 days.

Table

(2) *Abstract of observations taken at 8 hrs. at 239*

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
	Bay Islands.																						
1	P. V. Fraser	8	30·046		29·971	30·150	4th & 5th.	29·880	9th	·270	73·1												
	Car Nicobar	25	P		P	P	P	P	P	P	80·6	85·8		78·0		81·9		7·8	87·8	28th	75·4	28th	12·4
	Port Blair	58	29·896	—·044	29·884	29·982	29th	29·798	11th	·184	77·4	84·9	—1·5	74·7	—0·9	79·8	—1·2	10·2	87·7	12th	69·0	15th	18·7
	Slipper Island	90	29·869		29·893	29·941	24th & 29th.	29·768	9th	·173	77·4	81·7		74·4		78·1		7·3	85·6	29th	72·1	4 days	13·5
	Kashmir.																						
14	Srinagar	5,204	24·989	—·008	24·960	25·254	29th	24·711	16th	·543	30·8	40·8	+1·8	28·8	+2·4	34·8	+2·1	12·0	47·1	11th	24·1	3rd	23·0
	Gulmarg	*8,569*									Observations not received												
	Sonemarg	*8,764*	21·813		21·781	22·063	29th	21·571	16th	·492	16·2	33·9		10·4		22·1		23·5	42·4	3rd & 8th.	—8·1	18th	50·5
	Dras	*10,059*	20·754‖	—·025‖	20·722‖	21·074	29th	20·464	16th	·610	—12·3	12·4	—6·9	—23·2	—13·5	—5·4	—10·2	35·6	33·9	17th	—41·5	27th	75·4
	Leh	11,503	19·650	—·011	19·618	19·920	29th	19·380	17th	·540	9·5	30·4	+0·6	6·7	—2·1	18·5	—0·7	23·7	37·6	22nd & 23rd.	0·5	11th	37·1
	Skardu	*7,505*	22·938	+·013	22·968	23·321	29th	22·594	16th	·727	11·5	30·2	—4·6	11·7	—5·2	21·0	—4·9	18·5	40·9	18th	—7·9	26th	48·8
	Minimarg	*9,359*									17·5§	29·6		6·4		18·0		23·2	44·8	9th	—5·0	18th	49·8
	Astor	*7,955*	22·496		22·466	22·746	29th	22·204	16th	·542	14·5	36·7		P		P		P	45·9	1st	P		
	Gilgit	4,890	25·262		25·235	25·591	29th	24·823	16th	·768	33·5	45·4	+0·2	30·6	—1·0	38·0	—0·4	14·8	52·2	31st	26·2	3rd & 6th.	26·0
	Baluchistan.																						
16	Quetta	5,502	24·657	—·030	24·617	24·826	29th	24·365	12th	·441	30·1	47·5	—3·8	25·5	—3·8	36·5	—3·8	22·0	61·1	8th	3·0	17th	58·1
	Chaman	4,311	25·745	—·027	25·707	25·919	23rd	25·363	12th	·556	38·2	51·0	—1·6	31·7	—4·2	41·4	—2·9	19·3	63·8	7th	0·2	15th	63·6
	Robat	...	26·952		26·910	27·151	22nd & 23rd.	26·544	12th	·607	43·9	62·0		38·7		50·3		23·3	74·0	31st	23·8	14th	50·2
	Hill Stations, excluding Kashmir and Baluchistan.																						
	Chitral	*5,486*									25·6	43·6		22·1		32·9		21·5	54·1	9th	10·0	26th & 27th.	44·1
	Para Chinar	6,000	24·467		24·434	24·657	29th	24·268	14th	·389	35·4	48·4		27·3		37·8		21·1	59·4	31st	16·2	17th	43·2
	Cherat	*4,256*	25·762	—·007	25·730	25·928	29th	25·574	16th	·354	42·7	52·0	+2·8	38·7	+0·8	45·4	+1·8	13·3	56·2	12 days	32·5	17th	23·7
	Murree	6,333	23·831	—·033	23·799	24·012	29th	23·637	16th	·375	38·5	45·7	—1·5	35·5	+0·3	40·6	—0·6	10·2	58·6	30th	25·7	17th	32·9
	Kailang	*10,087*	20·939		20·894	21·174	29th	20·672	8th	·502	13·4	31·0	—3·3	9·0	—5·5	20·0	—4·4	22·0	46·6	15th	1·6	11th & 24th.	45·0
	Simla	7,232	23·085	—·020	23·047	23·237	29th	22·917	9th	·320	39·7	47·7	+3·2	36·2	+1·7	42·0	+2·5	11·5	58·7	15th	30·0	9th	28·7
	Sarain		23·134		23·096	23·293	29th	22·949	9th	·344	28·4	45·9		26·2		36·0		19·7	53·9	30th	21·9	3rd	32·0
	Kalabagh										Observations not received.												
	Chakrata	7,022	23·271	—·028	23·231	23·422	29th	23·099	9th	·322	39·2	53·2	+2·6	35·9	—0·3	44·6	+1·1	17·3	66·3	15th	29·7	9th, 11th & 18th.	36·6
	Muktesar	7,592	22·813	—·036	22·772	22·959	29th	22·654	8th & 9th.	·305	40·9	55·8	+6·2	35·4	0	45·6	+3·1	20·4	67·5	16th	28·0	11th	39·5
	Darjeeling	7,376	22·987	—·032	22·942	23·154	5th	22·826	11th	·328	39·0	46·1	—0·7	34·3	—0·5	40·2	—0·6	11·8	54·3	17th	29·7	12th	24·6
	Shillong	4,920	25·141		25·093	25·254	28th	25·008	11th	·246	42·3	58·6		36·7		47·7		21·9	65·9	28th & 29th.	30·7	20th	35·2
	Cherra Poonjee	4,309	25·672		25·623	25·792	4th	25·452	23rd	·340	49·9	59·1		P		P			64·7	2nd & 29th.	P		P
	Maymyo	3,545	26·464	—·038	26·409	26·576	5th	26·360	11th	·216	45·1	69·5	—1·8	37·9	—0·4	53·7	—1·1	31·6	75·4	31st	32·6	14th	42·8
	Pachmarhi	3,528	26·519	—·038	26·466	26·631	29th	26·364	9th	·267	57·0	72·0	+0·7	48·0	+0·5	59·9	+0·6	24·0	78·5	25th	37·6	19th	40·9
	Mount Abu	3,945	26·099	—·039	26·049	26·232	29th	25·949	12th	·283	56·8	65·8	—0·8	50·6	—0·6	58·2	—0·7	15·2	72·2	30th	35·9	16th & 17th.	36·3
	Mercara	3,781	26·249	—·044	26·182	26·312	28th & 29th.	26·162	11th	·150	61·0	77·8	+0·1	56·5	—0·1	67·2	0	21·3	81·0	11th & 13th.	53·0	24th	28·0
	Ootacamund	*7,327*	23·060		22·996	23·109	30th	22·996	11th & 12th.	·113	53·6	66·6		42·0		54·3		24·6	70·5	16th & 22nd.	36·2	3rd	34·2
	Kodaikanal	7,688	22·819	—·054	22·754	22·87	30th	22·758	12th	·112	53·6	62·9	0	46·3	—0·6	51·6	—0·3	16·6	69·0	22nd	43·0	22nd & 27th.	26·0

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

‖ Mean of 28 days.
§ „ „ 21 „

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

B—*continued.*

stations in India, etc., in January, 1910—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. 1909 to 31st Jan. 1910.	Normal rainfall for period, 1st Dec. to 31st Jan.	Departure from normal of period, 1st Dec. 1909 to 31st Jan. 1910.	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
																																Bay Islands.
1	12	13				2	2	1	N 13° E					71		70		·572		2·8		3			1·12			10·62			0·78	P. V. Fraser.
	14	15						1	N 22° E‡		5·7			90		79		·825		1·0		1			1·15			7·15			1·15	Car Nicobar.
6	11	11	1	1				1	N 25° E	N 23° E	5·8*	6·5	—0·7	69	+ 3	80	— 1	·754	—·027	4·2	+0·1	1			1·05	1·02	+0·03	14·59	7·64	+6·95	0·97	Port Blair.
2	17	8	4						N 23° E		10·4			82		77		·725		3·6		0			0·01			1·13			0·01	Slipper Island.
																																Kashmir.
13	3		1	3	1		1	9	N 34° W	S 26° E	1·6	3·1	—1·5	23	+ 5	87	— 4	·151	+·002	8·0	+0·1	5	6·40	—1·40	4·01	3·49	+0·52	5·21	4·40	+ 0·81	2·65	Srinagar.
									Observations not received																							Gulmarg.
15	2	8	2	2	1			1	N 54° E		3·3			33		92		·091 ††		4·5		9			10·13			16·77			3·90	Sonemarg.
30						1			S 45° W		0·4			3		89	+ 1	·050		4·7		7	8·70	—1·70	3·28	2·59	+0·69	5·36	4·04	+ 1·32	1·23	Dras.
18				1	10	1	1		S 5° W	S 13° W	2·1*	1·0	+1·1	37	— 1	60	+ 7	·043	+·007	5·6	—1·1	1	0·80	+0·20	0·30	0·31	—0·01	0·33	0·50	— 0·17	0·11	Leh.
24					1	5	1		S 47° W		1·8			23		96	+ 1	·089		7·2		4	3·00	—1·00	1·82	0·75	+1·07	2·08	1·06	+1·02	0·60	Skardu.
11	3	6	8			1		1	N 57° E ‡		7·6‡			43‡		** 60		** ·051		4·6		8			5·15			9·23			1·71	Minimarg.
20			6	3	1	1			S 62° E		2·1‡			27		63		·055		5·6		?			?			?			?	Astor.
22							9		W		1·9			29		66	— 1	·172	+·029	5·4	—1·5	3	0·30	+2·70	0·43	0·21	+0·22	0·49	0·30	+0·19	0·20	Gilgit.
																																Baluchistan.
24			1	2	3	1			S 19° E	N 13° W	2·4	2·9	—0·5	20	+15	79	0	·135	—·013	3·9	+0·2	4	4·80	—0·80	1·72	2·03	—0·31	3·14	2·84	+ 0·30	1·97	Quetta.
1		14	9	2	3	1	1		S 59° E	S 58° E	5·7	6·8	—1·1	64	+ 4	71	+ 3	·166	+·001	3·5	—0·9	4	3·40	+0·60	1·04	1·30	—0·26	2·32	2·22	+ 0·10	0·29	Chaman.
2		3	1			24	1		S 45° W		6·3			69		64		·187		1·0		1			0·19			1·79			0·19	Robat.
																																Hill Stations, excluding Kashmir and Baluchistan
31									(a)							86		·124		4·0		0			0			0·84			0	Chitral.
31									(a)		3·0					89		·183		3·6		7	1·00	+6·00	5·15	0·63	+4·52	6·09	1·42	+ 4·67	1·75	Para Chinar.
4	1			1	2			8	N 15° W	N 12° W	17·5	13·4	+4·1	66	— 4	59	0	·161	+·010	4·0	—0·8	4			7·92	2·07	+5·85	13·36	3·07	+10·29	3·10	Cherat.
6	2	1		17	3	1		1	S 43° E	S 62° E	8·6	9·0	—0·4	53	+ 4	53	— 9	·129	—·007	5·6	+0·3	7	2·80	+4·20	5·67	3·67	+2·00	8·85	4·81	+ 4·04	2·86	Murree.
		1	7	8	6	8	3	2	S 33° E		* 08	0·9	—0·1	42		55		·057		4·7		6			1·80	2·92	—1·12	3·24	4·00	— ·076	0·77	Kailang.
																47	— 6	·112	—·010	4·0	—0·7	2	3·60	—1·60	1·78	2·71	—0·93	3·69	3·94	— 0·25	1·28	Simla.
10			1		6	13	1		S 31° W		2·4			58		91		·142		2·7		2			3·24			7·66			2·02	Sarain.
																Observations not received.																Kalabagh.
7	19	1			2			2	N 2° W	N 34° E	5·3	5·7	—0·4	62	+17	52	— 6	·119	—·012	2·5	—1·6	4	5·00	—1·00	3·17	3·73	—0·56	6·75	4·89	+ 1·86	1·56	Chakrata.
9	1	2	7	2			10		N 11° W		6·0			3		42	—15	·100		2·5		1			1·18	2·36	—1·18	4·35	3·08	+ 1·27	1·10	Muktesar.
26		1	1	2			1		S 72° E	S 57° E	1·0	3·7	—2·7	7	—16	81	— 1	·193	+·003	5·2	+1·0	1	1·71	—0·71	0·22	0·71	—0·49	0·71	0·94	—0·23	0·20	Darjeeling.
28						3			S 45° W		1·6			10		77		·211		0·8		2	1·50	+0·50	0·40	0·53	—0·13	0·75	0·81	— 0·06	0·20	Shillong.
10	4	5	5	1		1	3	2	N 29° E		4·2			30		77		·277		0·7		1	1·70	—0·70	0·10	0·83	—0·73	0·52	1·01	— 0·52	0·10	Cherra Poonjee.
30				1					S		2·1			3		93	+ 5	·291		0·9		0	0·20	—0·20	0	0·06	—0·06	0·15	0·51	— 0·36	0	Maymyo.
17		3	1	2		3	3	2	W	S 3° E	3·6	3·5	+0·1	6	—12	73	+15	·341	+·053	0·6	—1·3	0	1·50	—1·50	0	0·65	—0·65	3·45	1·12	+ 2·33	0	Pachmarhi.
10	1	7		3		3		7	N	N 2° W	4·7	5·2	—0·5	21	+ 3	43	— 1	·195	—·010	1·1	—0·6	1	0·70	+0·30	0·13	0.33	—0·20	0·31	0·54	— 0·23	0·13	Mount Abu.
7	2	10	9	2		1			N 68° E	N 74° E	4·5	5·0	—0·5	59	—15	84	+ 9	·444	+·026	3·1	0	0	0·20	—0·20	0	0·02	—0·02	0·32	0·53	— 0·21	0	Mercara.
6		3	12	7	2	1			S 73° E		4·4			62		52		·214		3·0		1	0·60	+0·40	1·84	0·35	+1·49	2·72	2·00	+ 0·72	1·8	Ootacamund.
1	2	4	15	6				3	N 82° E		13·3*			66		44	—15	·174		3·1		4	1·40	+2·60	1·77	2·82	—1·05	3·09	7·94	— 4·85	1·02	Kodaikanal.

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

* Uncorrected for scale error.
(a) Indeterminate.

† Mean of 30 days.
** " " 13 "
†† " " 19 "

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. 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	29·909		29·840	29·990	27th	29·814	13th	·176	81·8	87·4		73·3		80·3		14·1	90·0	16th	72·0	11 days	18·0
	Penang (a)	20	29·870		29·815	29·979	26th	29·793	31st	·186	82·4	90·0		70·1		80·1		19·9	92·0	13th, 16th & 17th.	70·0	28 days	22·0
	Trincomalee	12	29·960	—·026	29·898	30·037	25th	29·857	11th	·180	75·1	84·7	+1·4	74·1	—0·5	79·4	+0·5	10·6	86·5	27th, 29th & 31st.	69·0	16th & 18th.	17·5
	Colombo	40	29·890	—·060	29·857	29·968	25th	29·794	8th	·174	72·1	87·4	—0·1	71·2	—0·9	79·3	—0·5	16·2	94·0	31st	65·5	5th	28·5
	Minicoy	7	29·960			30·038	24th	29·864	8th	·174													
	Amini Divi	*13*	29·945	—·060	29·886	30·037	24th	29·822	9th	·215	80·6	86·6	+2·4	72·6	—1·2	79·6	+0·6	14·0	88·6	2nd & 3rd.	68·2	26th	20·4
	Gyantse	13,120	17·013		16·974	17·102	30th	16·806	19th	·296	19·3	40·2		3·5		21·9		36·7	50·3	17th	—4·8	4th & 13th.	55·1
	Pharijong	14,400	15·688		15·647	15·838	28th	15·552	10th	·286	17·1	43·4		—5·1		19·2		48·5	67·4	18th	—12·0	2nd	79·4
	Gangtok	5,660?	24·453		24·408	24·594	25th	24·274	9th	·320	44·0	56·6		39·0		47·8		17·6	64·9	17th	34·4	12th	30·5
	Gartok	14,140									Observations not received.												
	Kashgar (c)	4,255	25·993			26·410	29th	25·790	12th	·620	17·6	39·9	+7·5	13·9	+1·4	26·9	+4·5	26·0	50·2	9th	9·3	2nd	40·9
	Kabul		24·294		24·263	24·484	23rd	24·038	16th	·446	21·5	45·3	+0·4	17·0	—0·8	31·2	—0·2	28·3	57·2	2nd	0·4	28th	56·8
	Meshed	3,104	26·772		26·750	27·016	14th	26·437	6th	·579	29·6	50·4		19·0	—3·2	34·7		31·4	62·4	31st	—2·2	15th	64·6
	Jask	13	30·063	—·064	30·033	30·295	14th	29·793	12th	·502	62·3	73·0	—0·8	60·4	+0·1	66·7	—0·3	12·6	80·3	10th	43·3	14th	37·0
	Muscat	20	30·081	—·040	30·049	30·256	14th	29·856	12th	·400	67·5	75·5	+3·3	65·4	—1·8	70·4	+0·7	10·1	83·8	10th	50·6	14th	33·2
	Bahrein	18	30·137		30·109	30·393	14th	29·924	6th	·469	59·3	64·4		56·2		60·3		8·2	71·8	7th	40·8	14th	31·0
	Bushire	14	30·087	—·047	30·060	30·325	14th	29·800	5th	·525	53·4	63·7	—0·4	50·4	—1·3	57·0	—0·9	13·3	73·3	7th	39·0	14th	34·3
	Busrah	25	30·148		30·134	30·407	14th	29·915	17th	·492	52·1	60·1		46·7		53·4		13·4	66·6	26th	36·5	14th	30·1
	Kerman										30·6	58·9		23·9		41·4		35·0	70·0	18th	6·8	15th	63·2
	Ispahan (b)	*5,817*	24·279			24·500	14th	24·000	11th, 12th & 19th.	·500	28·1	49·6	+3·1	?	?	?	?	?	58·4	26th	?	?	?
	Tehran (b)	*4,002*	25·877			26·150	22nd	25·600	11th	·550	34·2	50·3‡	+8·0	31·0‡	+4·8	40·6	+6·4	19·3	58·0	30th & 31st.	20·0	13th	38·0
	Baghdad	127	30·002	—·024	30·113	30·278	14th	29·480	5th	·798	44·2	61·3	+1·2	41·9†	+3·5†	51·6†	+2·3	19·4	73·2	31st	29·5	11th	43·7
	Beirut (f)	111			30·046						53·8	61·4		49·7		55·6		11·7	66·4	23rd	38·7	12th	27·7
	Aden	94	29·978	—·004	30·006	30·080	15th	29·855	12th	·225	74·2	79·7	—0·9	71·4	—1·4	75·6	—1·1	8·3	83·8	13th	66·9	15th & 16th.	16·9
	Perim	201	29·827	—·003	29·967	29·814	24th	29·741	4th	·173	75·8	82·3	—0·4	73·8	+0·3	78·1	—0·1	8·5	84·1	3rd & 4th.	72·0	19th	12·1
	Zanzibar	72	29·885	—·026	29·884	29·969	27th	29·798	12th	·171	80·9	84·7	—1·4	78·1	—1·5	81·4	—1·5	6·6	88·1	14th	74·7	15th	13·4

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

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

(a) 9 hrs. observations. (b) Aneroid uncorrected.

(c) Aneroid corrected. (f) 8½ hrs. observations.

—concluded.

ations in India, etc., in January, 1910—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 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. 1909 to 31st Jan. 1910.	Normal rainfall for period, 1st Dec. to 31st Jan.	Departure from normal of period 1st Dec. 1909 to 31st Jan. 1910.	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
																															Extra India.
5	14						1	N 30° E		4·7†‡			59						5·3		14			5·73			8·11			1·02	Singapore.
1	5	3					12	N 4° W		9·9‡			76						0		5			2·57			13·39			1·01	Penang.
7	11							N 28° E	N 30° E	2·1‡	7·7	—5·6	56	− 9	88	+ 9	·772	—·005	4·0	0	5			4·09	5·38	− 1·29	11·61	21·28	− 9·67	1·91	Trincomalee.
0	19	1						N 31° E	N 37° E	9·0 ‡	8·7	+0·3	89	+ 8	93	+19	·737	—·032	6·1	+2·5	3			0·95	3·20	− 2·25	2·99	9·99	− 7·00	0·36	Colombo.
3	12	3						N 26° E	N 42° E	4·0	6·4	—2·4	90											0·09	2·09	− 2·00	1·36	6·75	− 5·39	0·05	Minicoy.
9	8						4	N 6° E		5·9			87		73		·764		4·0		1			1·63	0·19	+ 1·44	2·37	0·51	+ 1·86	1·63	Amini Divi.
		2	2			1		S 63° E		1·0			6		85		·093				0			0			0			0	Gyantse.
1	3	2	4	11	5	2		S 5° E		7·3			36		52		·053		1·5		0			0			0			0	Pharijong.
	3							N 72° E		1·5			11		82		·240		3·2		3			0·83			1·41			0·22	Gangtok.
																	Obser	vations	not	receiv	ed.										Gartok.
								(a)	N 56° W	?		?			†† 76		·078		3·3		0			0	0·27	− 0·27	0	0·46	− 0·46	0	Kashgar.
	9	1			4	1	6	9	N 34° W	N 82° W			36	+31	73†		·097†		3·6	+0·9	7			3·45	1·24	+ 2·21	3·69	1·53	+ 2·16	0·95	Kabul.
			1		4		7	N 82° W		1·3			23		85		·143		3·0		3			1·47	0·41	+ 1·06	2·35	1·11	+ 1·24	1·08	Meshed.
	5	2					9	N 2° W	N 18° E	11·2	12·0	—0·8	82	+11	74	+ 1	·428	− ·018	1·6	—0·3	1			0·42	0·87	− 0·45	5·14	1·65	+ 3·49	0·38	Jask.
		3				7	5	N 64° W	S 59° W	7·2	4·8	+2·4	30	− 3	68	0	·470	− ·016	3·2	+ 0·7	1			0·96	1·28	− 0·32	3·10	1·54	+ 1·56	0·94	Muscat.
	1	3	2	2	2	9	9	N 67° W		7·5			42		82		·428		3·5		1			1·13			4·70			0·89	Bahrein.
	7	2	2				6	N 16° E	N 58° E	10·2	8·0	+2·2	53	− 1	86	+ 8	·364	+ ·015	3·3	0	4			2·88	3·12	− 0·24	11·14	6·36	+4·78	1·75	Bushire.
			3	3	4	9	2	S 75° W		3·8			36		75		·302		2·9		3			2·23			2·76			1·53	Busrah.
	1		1	1	6	5	7	N 52° W		2·4			55		77†		·139†		2·1			No	rain ga	nge.							Kerman.
			1		3	4	3	N 82° W	S 79° W	3·5	3·1	+0·4	23		79§		·126§		1·5		3			1·18	0·26	+ 0·92	1·41	0·80	+ 0·61	0·92	Ispahan.
	8	1					1	N 23° E	N 16° E	3·0	2·9	+0·1	48		76		·152		2·3		3			1·56	1·29	+ 0·27	1·81	2·66	− 0·85	0·85	Tehran.
			4	3	2	3	2	S 45° W	N 8° W	7·0	3·2	+3·8	13	−12	78	− 2	·233	—·011	2·5	−0·1	1			1·32	1·38	− 0·06	2·09	3·02	− 0·93	1·32	Baghdad.
			9		13	1	1	S 27° W					36		71		·301		5·5		11			7·34			14·16			1·05	Beirut.
	26							N 45° E	N 80° E	13·8	13·5	+0·3	82	+ 8	77	+ 2	·648	—·004	4·9	−1·5	0			0·08	0·32	−0·24	0·08	0·69	− 0·61	0·07	Aden.
	1	18	5		1	3		S 81° E†	S 81° E	18·1	19·8	−1·7	61	−22	75	− 1	·675	—·009	4·7	−0·5	1			0·32	0·34	− 0·02	0·34	0·42	− 0·08	0·23	Perim.
	11	1		3	2	1	1	N 22° E	N 28° E	6·5	7·8	−1·3	52		81		·853		7·2		6			4·71	2·94	+ 1·77	17·47	6·14	+11·33	2·14	Zanzibar.

‡ Uncorrected for scale error.
§ Mean of 29 days.
‖ Mean of 27 days.
† Mean of 30 days.
(a) Indeterminate.
†† Mean of 24 days.

Table C.—Abstract of observations taken at 8 hrs. at 36 fourth class stations in India, etc., in January, 1910.

Table

Abstract of observations taken at 8 hrs. at 36 fourth

Number of subdivision.	Station.	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.	Wind direction. 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	53·7	74·5	...	45·9	...	60·2	...	28·6	80·1	31st	39·7	14th & 15th.	40·4	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	54·0	74·7	...	46·6	...	60·7	...	28·1	80·0	29th & 31st.	41·2	14th & 15th.	38·8	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	50·7	77·7	...	46·7	...	62·2	...	31·0	83·4	28th & 29th.	41·3	21st	42·1	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	51·5	73·6	...	46·2	...	59·9	...	27·4	79·1	31st	40·0	14th	39·1	...	...	...	...	...	...	...	...	...	...	...
	Dikom	49·4	73·3	...	45·6	...	59·5	...	27·7	79·6	31st	39·6	14th & 15th.	40·0	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	55·9	72·9	...	?	...	?	...	?	78·5	8th	?	?	?	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	52·7	77·1	...	49·5	...	63·3	...	27·6	84·0	29th	45·0	21st	39·0	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	55·4	72·6	...	49·6	...	61·1	...	23·0	78·9	29th	43·8	15th	35·1	...	...	...	...	...	...	...	...	...	...	...
	Messa	56·2	80·9	...	43·7	...	62·3	...	37·2	84·4	29th	41·6	16th	42·8	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	49·0	74·1	...	46·5	...	60·3	...	27·6	79·6	29th	42·0	16th & 20th.	37·6	...	...	...	...	...	...	...	...	...	...	...
	Srimangal	53·2	78·5	...	45·7	...	62·1	...	32·8	84·5	28th	41·2	21st	43·3	...	...	...	...	...	...	...	...	...	...	...
5	Brahmanbaria	60·9	77·6	...	50·3	...	63·9	...	27·3	81·3	18th	46·1	22nd	35·2	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	49·2	84·1	...	43·1	...	63·6	...	41·0	94·1	23rd	38·9	5th	55·2	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	56·7	75·7	...	50·5	...	63·1	...	25·2	79·7	18th	42·3	19th	37·4	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	60·3	76·5	...	44·4	...	60·5	...	32·1	82·1	26th	41·9	4th, 19th & 20th.	40·2	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	56·0	74·8	...	50·3	...	62·5	...	24·5	80·1	17th, 30th & 31st.	43·0	1st	37·1	...	...	...	...	...	...	...	...	...	...	...
	Pabna	57·4	76·0	...	49·2	...	62·6	...	26·8	80·2	18th	43·9	20th	36·3	...	...	...	...	...	...	...	...	...	...	...
	XI.—Central Provinces.																								
24	Chhindwara	55·3	79·1	...	50·3	...	64·7	...	28·8	85·7	15th	41·5	19th	44·2	...	3	6	2	...	...	2	6	12	N 36° W	...
	Hill Stations.																								
	Panighatta	59·6	73·6	...	52·5	...	63·1	...	21·1	79·3	17th	45·9	19th	33·4	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	47·2	55·3	...	44·5	...	49·9	...	10·8	62·3	31st	40·4	19th	21·9	...	...	...	...	...	...	...	...	...	...	...
	Gnatong	...	...	...	...	...	...	...	...	...		...		...	...	...	...	...	...	...	...	...	...	...	...
	Lachung	...	...	...	...	...	...	...	...	...		...		...	...	...	...	...	...	...	...	...	...	...	...
	Ringim	...	...	...	...	...	...	...	...	...		...		...	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	37·9	...	14·4	...	26·1	...	23·5	48·9	15th	7·0	18th	41·9	22	...	...	7	1	...	1	...	...	S 82° E	...
	Kargil	8·5	23·5	...	5·2	...	14·3	...	21·0	41·3	17th	—13·0	26th & 31st.	54·3	...	...	...	3	23	...	1	1	3	S 45° E	...
	Killa Drosh	31·3	42·6	...	28·4	...	35·5	...	14·2	52·3	9th	20·1	20th & 26th.	32·2	26	...	5	...	...	...	...	...	...	N 45° E	...
	Pishin	...	47·4	...	24·9	...	36·2	...	22·5	62·3	30th	0·2	16th	62·1	...	...	...	...	...	...	...	...	...	...	...
	Kalat	32·8¶	51·0	−1·5	25·7*	+5·3*	39·2*	+1·9	25·3	63·6	18th	1·7	17th	61·9	...	3	...	...	...	28	...	...	...	S	...

* Mean of 29 days.

¶ Uncorrected for scale error.

lass stations in India, etc., in January, 1910.

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
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. 1909 to 31st Jan. 1910.	Normal rainfall for period, 1st Dec. to 31st Jan.	Departure from normal of period, 1st Dec. 1909 to 31st Jan. 1910.		
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	...	·378	...	...	...	3	...	...	2·47	...	...	2·54	...	...	2·13	Bishnath.
...	...	...	...	...	87	...	·367	...	...	...	2	...	...	1·52	...	...	1·56	...	...	1·20	Borjuli.
...	...	...	...	...	90	...	·362	...	...	...	1	...	...	0·12	...	...	0·90	...	...	0·12	Chandkhira.
...	...	...	...	...	92	...	·349	...	...	...	3	...	...	1·26	...	...	1·41	...	...	0·39	Doom Dooma.
...	...	...	...	...	99	...	·350	...	...	...	3	...	...	0·93	...	...	0·95	...	...	0·50	Dikom.
...	...	...	...	...	91*	...	·410*	...	...	...	4	...	...	0·72	...	...	0·85	...	...	0·27	Golaghat.
...	...	...	...	...	94	...	·372	...	...	...	2	...	...	0·47	...	...	1·32	...	...	0·37	Hailakandi.
...	...	...	...	...	95	...	·419	...	...	...	3	...	...	0·67	...	...	0·69	...	...	0·33	Jorehat.
...	...	...	...	...	74	...	·340	...	...	...	1	...	...	0·33	...	...	0·43	...	...	0·33	Messa.
...	...	...	...	...	96	...	·334	...	...	...	1	...	...	0·23	...	...	0·40	...	...	0·16	Panerihat.
...	...	...	...	...	92	...	·375	...	...	...	0	...	...	0·06	...	...	0·90	...	...	0·06	Srimangal
...	...	...	...	...	81	...	·430	...	...	...	1	...	...	0·15	...	...	0·77	...	...	0·15	Brahmanbaria.
...	...	...	...	...	99	...	·248	...	...	...	2	...	...	0·49	...	...	0·52	...	...	0·27	Dam Dim.
...	...	...	...	...	87	...	·400	...	...	...	0	...	...	0·08	...	...	0·53	...	...	0·08	Goalundo.
...	...	...	...	...	73	...	·389	...	...	...	1	...	...	0·32	...	...	0·32	...	...	0·28	Kalchini.
...	...	...	...	...	81	...	·363	...	...	...	1	...	...	0·21	...	...	0·21	...	...	0·21	Nagrakata.
...	...	...	...	...	82	...	·391	...	...	...	0	...	...	0·10	...	...	0·48	...	...	0·08	Pabna.
																					XI.—Central Provinces.
3·4	...	...	55	...	84	...	·376	...	0	...	0	...	...	0	...	...	2·35	...	...	0	Chhindwara.
																					Hill Stations.
...	...	...	...	...	62	...	·317	...	...	...	1	...	...	0·16	...	...	0·35	...	...	0·10	Panighatta.
...	...	...	...	...	79	...	·256	...	...	...	2	...	...	0·46	...	...	1·21	...	...	0·14	Kurseong.
...	...	...	...	...	...	...	...	...	...	...	3	...	...	0·86	...	...	2·56	...	...	0·42	Gnatong.
...	...	...	...	...	...	...	...	...	...	...	0	...	...	0(a)	...	...	0	...	...	0	Lachung.
...	...	...	...	...	...	...	...	...	...	...	7	...	...	5·07	...	...	6·14	...	...	1·19	Ringim.
...	...	...	23	...	...	...	...	...	4·3	...	4	...	...	1·10‡	3·20	—2·10	1·56	4·25	—2·69	0·49	Poo.
...	...	...	68	...	44	...	·028	...	5·0	...	5	...	...	1·21‡	...	...	1·53	...	...	0·40	Kargil.
...	...	...	19	...	81	...	·142	...	3·2	...	2	...	...	0·73	...	...	1·51	...	...	0·46	Killa Drosh.
...	...	...	...	...	...	...	...	...	3·6	...	6	4·30	+1·70	2·15§	2·16	—0·01	4·65	3·36	+1·29	1·10	Pishin.
...	...	...	81	...	82	...	·163	...	...	...	2	3·70	—1·70	1·88	0·79	+1·09	3·54	1·44	+2·10	1·55	Kalat.

‡ Snow water.

§ Snow water and rain.

(a) Rainfall from 1st to 19th not included.

Table

Abstract of observations taken at 8 hrs. at 36 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
	Extra India.																								
	Ahwaz . . .	...	60·8	...	48·1	...	54·4	...	12·7	69·4	31st	35·6	12th	33·8	...	...	...	...	...	...	...	...	...	...	...
	Birjand . . .	35·7*	48·2†	...	30·1†	...	39·2†	...	18·1	56·7	31st	12·6	15th	44·1	10	2	10	1	2	2	...	2	...	N 49° E	...
	Chumbi . . .	23·9¶	45·6¶	...	20·1	...	32·8	...	25·5	60·0	16th & 17th	12·7	12th	47·3	...	...	...	...	...	...	...	...	...	...	...
	Kirmanshah . .	34·0	45·5	...	26·8	...	36·1	...	18·7	54·8	26th	8·8	11th	46·0	...	...	...	...	...	...	...	...	...	...	...
	Koweit	...	62·9	...	48·5	...	55·7	...	14·4	71·3	8th	35·7	13th	35·6	1	2	...	...	6	...	4	4	14	N 69° W	...
	Maidan . . .	...	[illegible]·5	...	42·6	...	51·5	...	17·9	72·2	30th	30·9	13th	41·3	...	...	...	...	...	...	...	...	...	...	...
	Pemba . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Mean of 29 days.
¶ Uncorrected for scale error.

† Mean of 30 days.

—concluded.

ISS stations in India, etc., in January, 1910—concld.

WIND VELOCITY.			WIND STEADINESS.		HYGROMETRY, 8 HRS.				CLOUD.		RAINFALL.										
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. 1909 to 31st Jan. 1910.	Normal rainfall for period, 1st Dec. to 31st Jan.	Departure from normal of period, 1st Dec. 1909 to 31st Jan. 1910.	Heaviest rainfall during month.	STATION.
7	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					Extra India.
..	...	...	...	...	...	...	...	...	2·4	...	5	...	...	4·35	...	...	4·75	...	...	2·86	Ahwaz.
1·8*	...	...	31	...	68*	...	·151*	...	2·3*	...	4	...	...	1·04§	...	...	1·29	...	...	0·50	Birjand. ‖
..	...	...	...	...	86	...	·111	...	...	...	6	...	...	0·68‡	...	...	1·26	...	...	0·20	Chumbi.
..	...	...	...	...	79	...	·156	...	...	...	4	...	...	1·65§	...	...	3·53	...	...	0·88	Kirmanshah.
..	...	...	45	...	...	...	...	...	...	...	3	...	...	2·00	...	...	2·65	...	...	1·00	Koweit.
..	...	...	...	...	...	...	...	...	...	...	6	...	...	7·24	...	...	9·48	...	...	3·12	Maidan.
..	...	...	...	...	...	...	...	...	...	...	10	...	...	5·50	...	...	15·71	...	...	1·97	Pemba.
.	...	...	...	...	...	...	...	...	...	...	?	...	...	1·07	...	...	9·96	...	...	?	Prison Island.

‡ Snow water. § Snow water and rain. ‖ Wind observations less 2.

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.

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

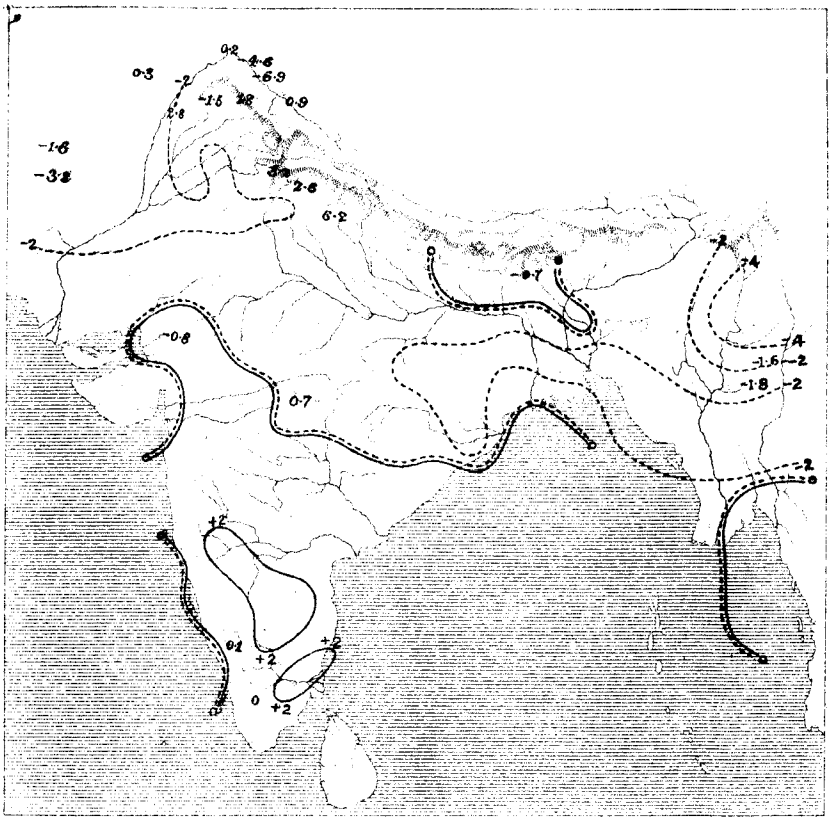


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

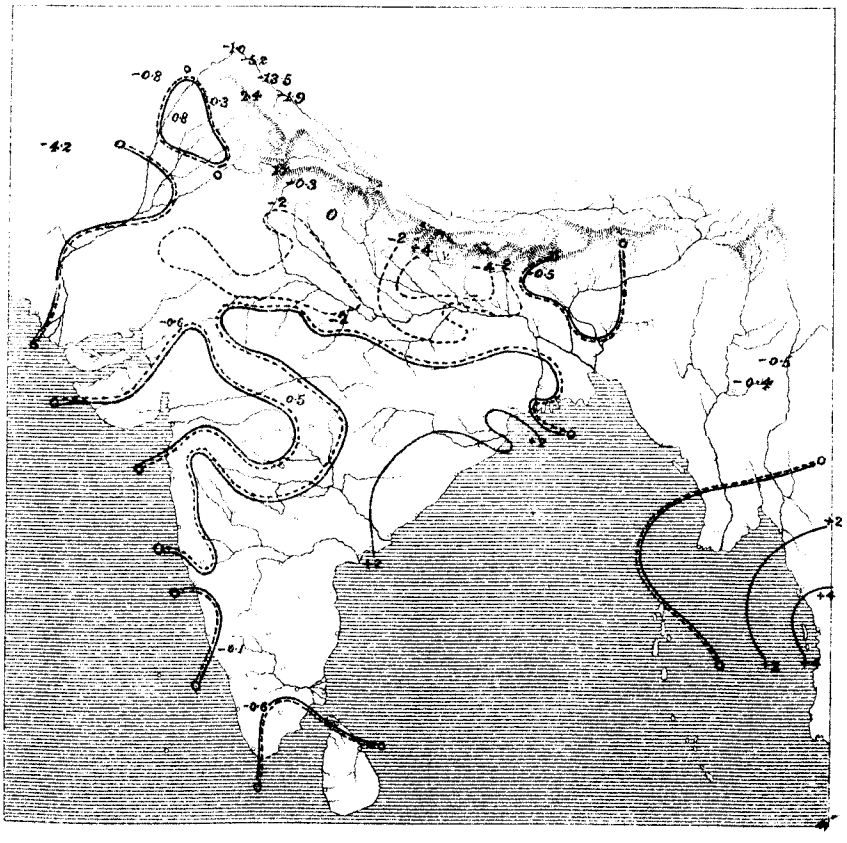


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MEAN TEMPERATURE.

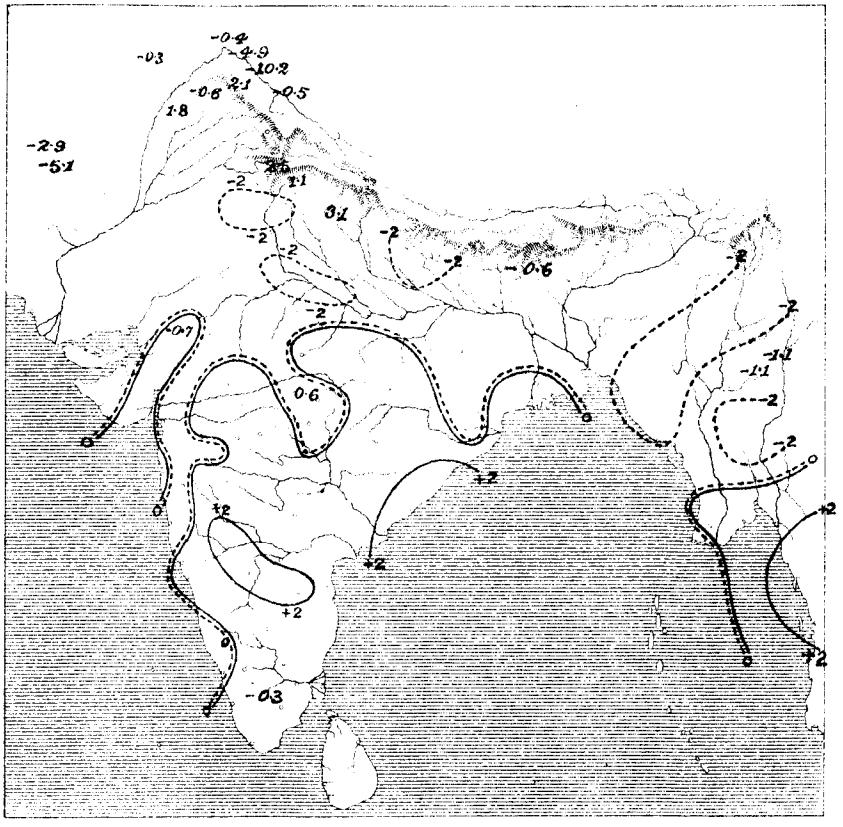


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.

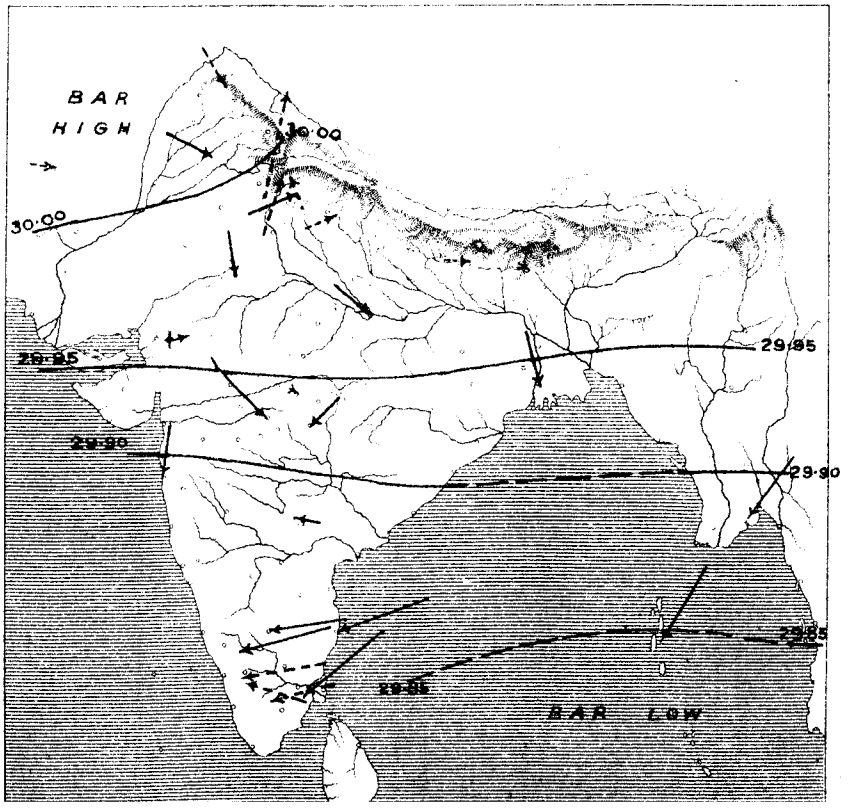


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF ABSOLUTE HUMIDITY AT 8 HRS.

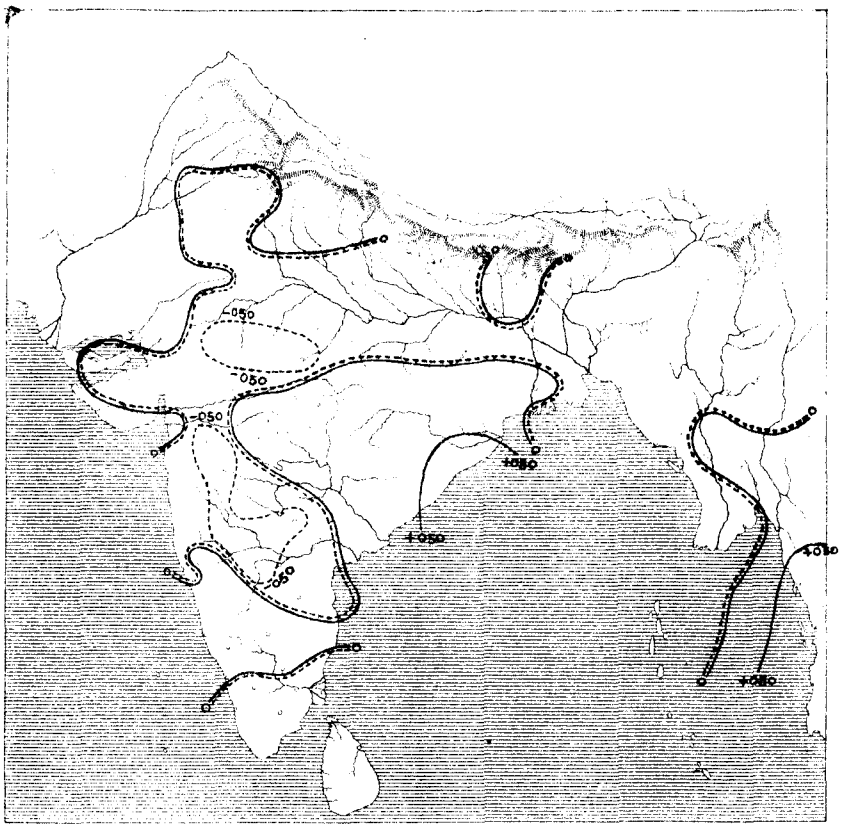


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

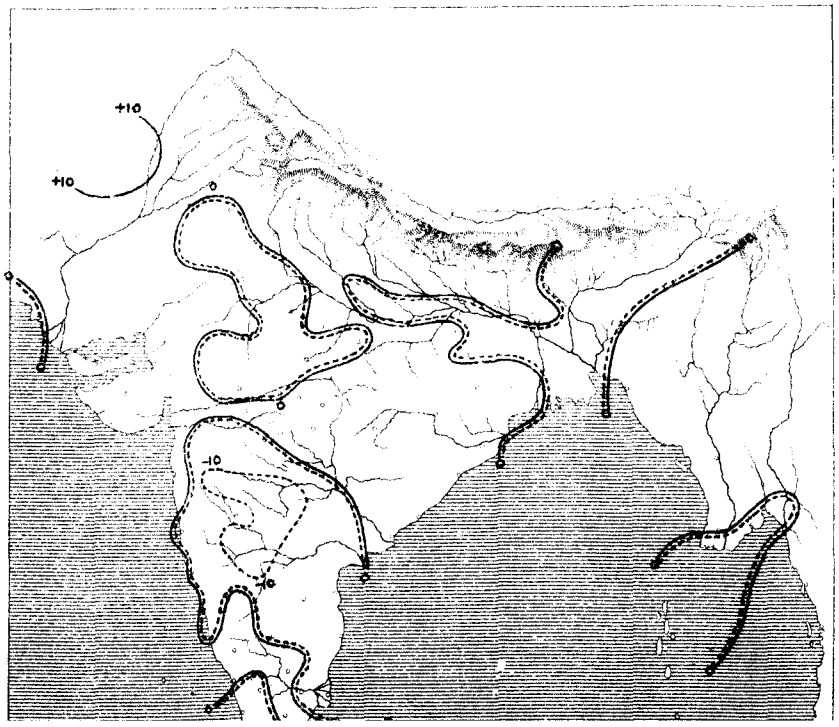


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

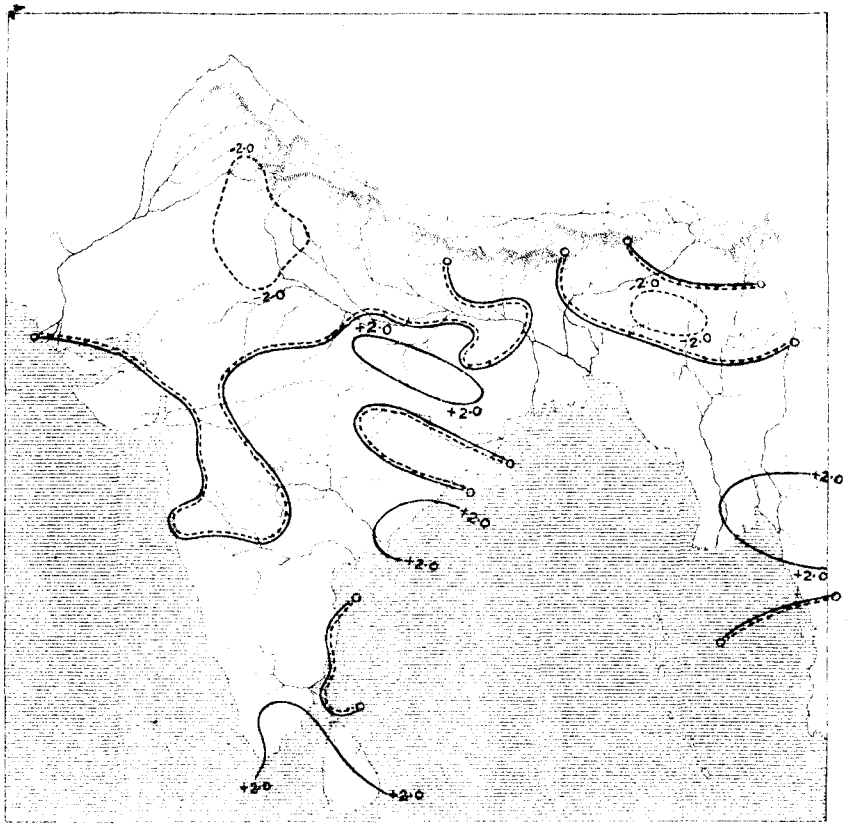
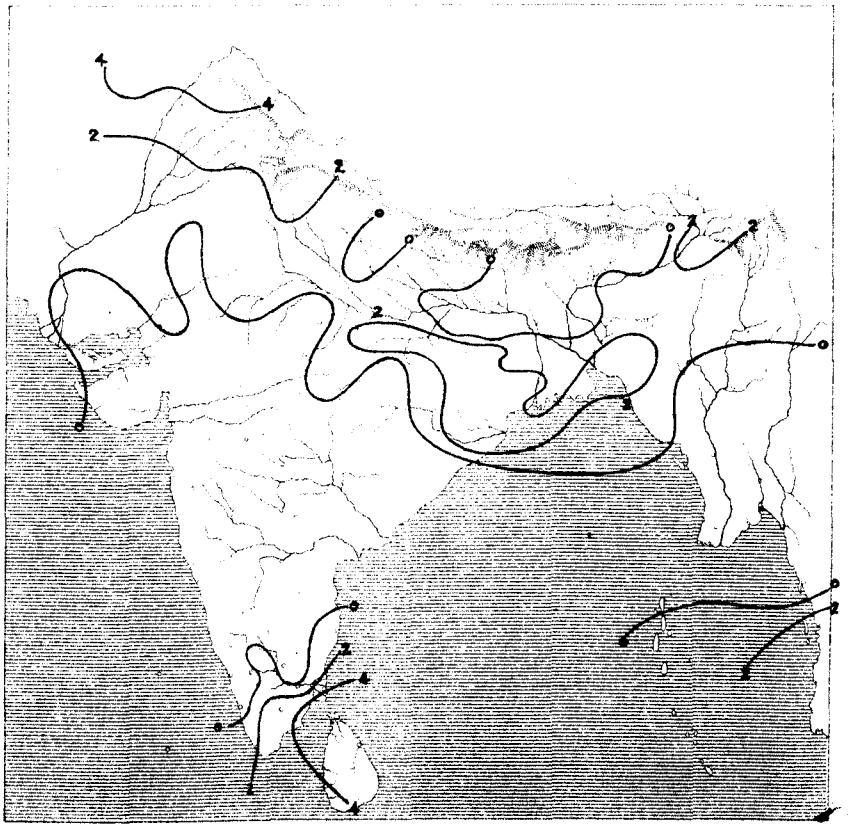
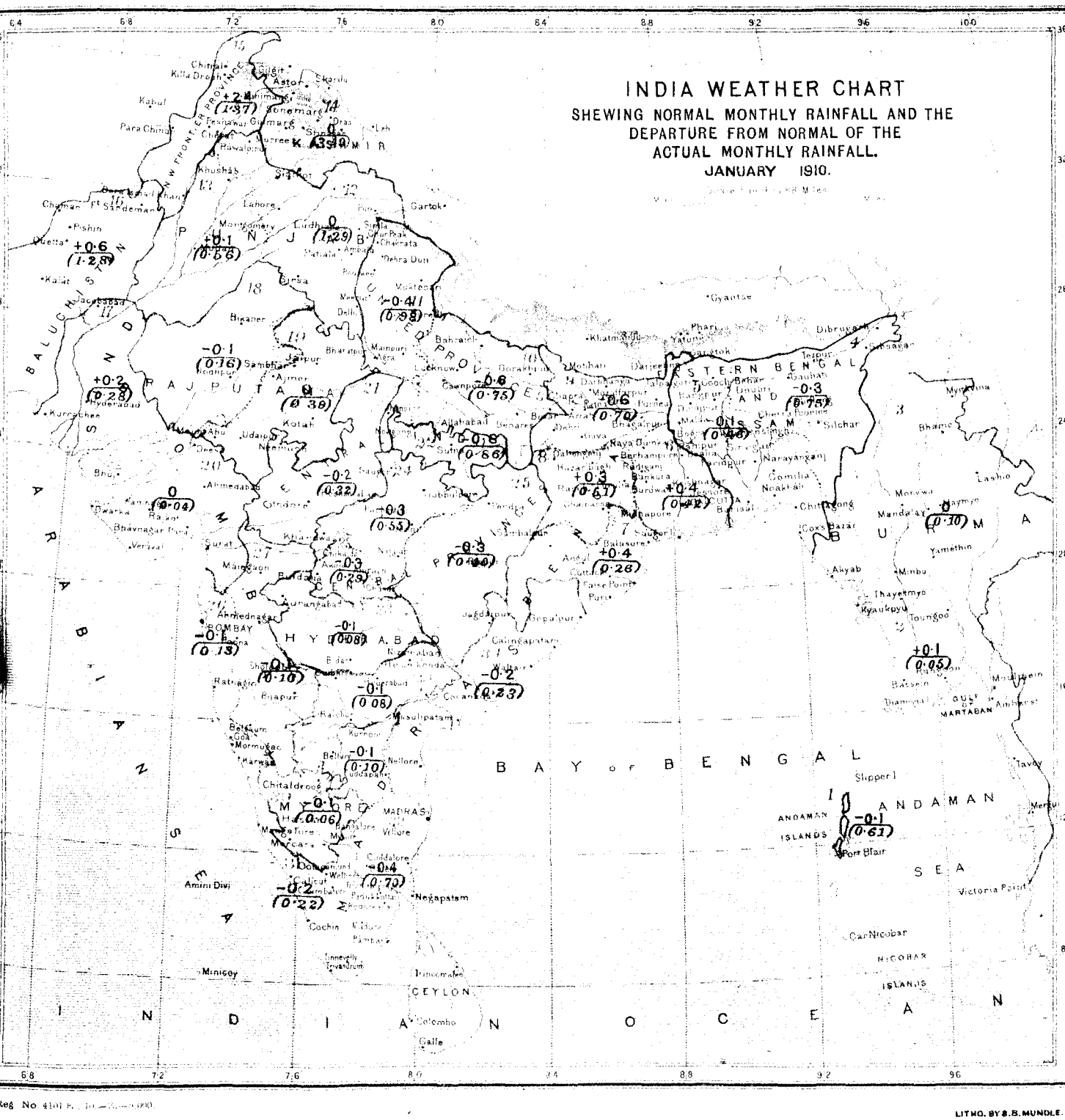


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE 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

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GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, FEBRUARY, 1910.

INTRODUCTION.

THIS review of the weather in India during the month of February, 1910, is based on observations taken daily at 8 hrs. at 240 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 33 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, 1910.

2. Weather was unsettled over northern India on three occasions, but the associated disturbances were of the same abnormal type as those recorded in January, and failed to produce the usual amount of precipitation. The only areas which received more than their ordinary share of rainfall were Lower Burma and south-east Madras, and both these lay beyond the influence of the depressions of the month. Since for three-fourths of the country the normal allowance of rainfall does not exceed half an inch, the defect was not on the whole significant, but in Baluchistan, the Punjab, the North-West Frontier Province, the United Provinces and Bengal, where under ordinary conditions the month's fall is moderately large, the deficit was quite appreciable.

Owing to the scantiness of precipitation the greater part of the country had clearer skies and a drier atmosphere than is normal for the time of year.

As ordinarily happens during the prevalence of dry clear weather, nights were somewhat cooler and days warmer than usual in most of the plains districts. The lowest temperatures were sporadic in occurrence and not remarkable.

Pressure was largely below the normal; the deficit was however smaller in the hills of northern India than in the plains, so that the vertical gradients were very weak.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar observations.*—Solar observations were possible on all the days of the month, but on 4 days the prominence record was imperfect.

Sunspots.—The recent outburst of solar activity has again died away and during the month only nine new groups were recorded—the smallest number since September, 1903. The daily average was only 2·1 but the average life of a spot was 5·7 days. On 7 days the sun was free from spots at the time of observation; there has not been a similar lull since March, 1903. The latitude distribution of spots was as follows :—

TABLE 1.

	1° - 10°.	11° - 20°.	Extreme latitudes.	Mean latitude.
North . .	2	...	2°, 9°	5°·5
South . .	2	5	2°, 20°	12°·3

Two of the new groups, Nos. 1816 and 1819, contained large spots. The latter group occupied 10° in longitude and 7° in latitude, and was made up of several large and numerous small spots.

Prominences.—As frequently happens, there was no fall in prominence activity corresponding to that of the spots. Forty-four large, 2 metallic, and 5 eruptive prominences were recorded. The tallest of them was photographed at the south-west limb on the 26th and was 20° broad and 165″ high.

Magnetic disturbances.—" Moderate " magnetic disturbances were recorded on February 14, 15, 16, 20, 21, 22, 24, 25, 26, and 27. The two large spot groups 1816 and 1819 crossed the central meridian on the 16th and 23rd.

Kodaikanal Observatory seismological records.

TABLE 2.

No.	Date.	P. T. Commencement G. M. T.	L. W. Commencement G. M. T.	Maximum G. M. T.	End.	Maximum amplitude.	Duration.	REMARKS.
	1910.	H. M.	H. M.	H. M.	H. M.	mm.	H. M.	
8	February 4	14 24·4	14 52·6	...	16 50	0·5=0·2	2 26	Many small maxima.
9	"	18 00·8	...	...	20 25	...	2 27	Widening of line.
10	" 12	18 18·2	18 53·3	18 53·3	19 51	0·6=0·3	1 33	
11	" 28	21 55·6	22 04·3	22 06·3	22 39	0·6=0·3	0 43	

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

BOMBAY OBSERVATORY.

(*The report for February has not yet been received. The following report relates to January.*)

Alibag magnetic record.

4. During the month of January, 1910, the traces showed 11 calm days, 18 days of small and 2 days of moderate disturbance.

The days of the month selected as quiet for the purposes of the Magnetic Survey of India are the 3rd, 8th, 16th, 21st and 31st.

The mean 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	0° 58′ 44″	
Horizontal force	0·36844	C. G. S. unit.
Vertical force	0·16045	" "
Dip (calculated)	23° 31′·9.	
Dip (observed)	23° 31′·5.	
Horizontal force range	0·00029	C. G. S. unit.
Horizontal force summed range	0·00186	" "
Declination range	2′·10.	
Declination summed range	7′·54	

(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 during the month.

TABLE 3.

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

C=calm, S=small, M=moderate, G=great, V. G.=very great.

Seismic disturbances.

Three seismic disturbances were recorded during the month on the 1st, 22nd and 30th.

List of disturbances.

TABLE 4.

Date.	Commencement.		Maximum.		End.		Maximum amplitude.	Duration.	
	H.	M.	H.	M.	H.	M.	mm.	H.	M.
January 1st .	11	42·4	12	30·2	13	32·5	0·5	1	50·1
" 22nd .	9	15·7	9	38·7	10	27·3	0·8	1	11·6
" 30th .	4	27·2	4	48·5	5	36·5	1·0	1	9·3

All times given above denote G. M. T.
Sensibility to tilt, 1 mm.= 0″·36.

N. A. F. MOOS,
Director,
Bombay Observatory.

CALCUTTA OBSERVATORY.

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

TABLE 5.

Date 1910.	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.	
Feb. 4th	14 14·8	—	14 24·4	16 46·9	2 32·1	0·75	Sensibility throughout 1 mm.= 0″·38 of tilt.
" 10th	8 19·1	—	8 21·2	8 30·3	0 11·2	0·50	
" 12th	18 18·2	18 26·9	18 29·9	19 13·7	0 55·5	2·25	
" 27th	14 41·8	14 47·9	14 51·4	15 10·3	0 28·5	0·75	

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing seismographs.*

TABLE 6.

Date	Beginning of 1st P. T.	Beginning of 2nd P. T.	Beginning of L. W.	Time of maximum amplitude.	End approximately.	Duration.	Maximum displacement of style.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
8th (A)	10 31·7	...	...	...	10 42·5	0 10·8	Small*	Tremors.
(B)	10 33·4	...	...	...	10 35·4	0 2	,,	,,
9th (A)	...	...	...	20 11·8	20 13	0 1·2	3	Local.
(B)	...	...	20 11·7	20 11·8	20 12·8	0 1·1	2·5	,,
12th (A)	18 17·7	...	...	18 31·3	19 3	0 45	3	
(B)	18 18·2	...	...	18 31·2	18 55	0 37	1	
13th (A)	...	...	21 4·6	...	21 9·5	0 4·9	Small*	Local.
(B)	21 5·3	...	...	...	21 10·5	0 5·2	,,	,,
26th (A)	...	...	11 51·2	...	11 52	0 0·8	,,	,,
(B)	...	...	...	11 51·3	...	...	...	
28th (A)	...	...	21 42·5	...	22 0	0 17·5	Small*	Tremors.
(B)	...	...	21 51·3	...	21 56·5	0 5·2	,,	,,

All times are given in G. M. T.
A = E—W component.
B = N—S component.

Magnification of each instrument was 15.
* Displacements less than 0·2 mm. are reported as "Small".

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

TABLE 7.

Place at which felt.	Date.	G. M. T. of earthquake.		Duration.	Intensity.	No. of shocks.	REMARKS.
		H.	M.	Sec.			
Kyelang (Kangra) .	3rd	0	10	3	2	3	
Drosh . . .	9th	23	15	2	2	1	
,, . . .	13th	21	15	2	1	1	
Bajuli . . .	15th	5	35	½	3	1	
Bishnath (Assam) .	15th	6	55	5	4	2	
Chitral . . .	25th	16	15	20	4	1	

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	1·55
Minimum	1·29
Mean	1·45
Number of days of observation . . .	12

J. PATTERSON,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

(No information yet received for September and October. The following report relates to December, 1909, and is compiled from information communicated by the Director of the Observatory.)

7. *Solar observations.*—Not reported.

Magnetic Disturbances.

TABLE 8.

Day.	Time.	Disturbance.
1st to 2nd .	12h. to 14h.	Small fluctuations in H. F. with two successive waves.
1st to 2nd .	19h. to 6h.	(+30 and +25).
6th . .	12h. to 18h.	Small fluctuations in H. F.
13th . .	...	Accentuated diurnal variation with wave.
13th . .	19h. to 20½h.	(−35).
14th . .	...	Accentuated diurnal variation followed by wave.
15th . .	1h. to 3h.	(+20).
21st to 22nd .	18h. to 2h.	Wave in H. F. (—60).
23rd to 24th .	22½h. to 0h.	Wave in H. F. (+15).
26th . .	...	Accentuated diurnal variation.
31st to 1st January 1910.	19h. to 4h.	Wave in H. F. (—60)

—	Mauritius.
Departure from normal of mean pressure	+·032
Actual mean wind direction	S 82° E
Normal mean wind direction	N 89° E
Actual mean wind velocity (miles per diem)	229
Normal mean wind velocity (miles per diem) . . .	259
Rainfall departure from normal	—3·14

Weather in the Indian monsoon region.

8. In the subequatorial region, as in India, barometric pressure and rainfall ruled below the normal. The air movement was normal at Zanzibar and more westerly and stronger than usual at the Seychelles.

TABLE 9.

—	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	...	—·009	—·025
Actual mean wind direction .	...	N 33°·4 E	N 33° W
Normal mean wind direction .	...	N 33° E	N 21° W
Actual mean wind velocity (miles per diem).	...	152	177
Normal mean wind velocity (miles per diem).	...	161	147
Rainfall departure from normal .	...	—0·45	—7·93

Depressions and cyclonic storms.

9. The meteorological conditions which favour the appearance over the highlands of Persia and Baluchistan of storms typical of a normal winter season were almost entirely absent, and as a result the weather was unusually quiet in almost all parts of the region stretching eastwards from Mesopotamia to the valley of the Brahmaputra.

Hardly any disturbed weather occurred during the first eight days of the month, but on the 9th a feeble depression began to affect the barometric conditions in Persia and by the 11th had crossed into Sind. In winter seasons of ordinary conditions the line of travel of the Persian disturbances across northern India is almost due east, but the present depression pursued a northeasterly course and was dissipated over the Punjab on the 13th. It was throughout very weak, and failed to produce any precipitation except in the western Himalayas and the adjacent plains.

On the three days following the disappearance of the above depression weather was generally settled, but on the 18th a slight low pressure centre was developed over the south-east of the Central Provinces.

This appears to have been transmitted eastwards across the north of the Bay during the next three days, and resulted in numerous showers in north-east India and the northern half of Burma. While these changes were proceeding in India weather again became disturbed in Persia, and an area of low pressure passed eastwards from that region into Baluchistan and Sind on the 22nd. It had a depth of about three-tenths of an inch on the 23rd when it lay near Jacobabad, and of a quarter of an inch on the 26th when it was advancing through Assam. As its path lay so far to the north its influence on the weather was exerted only in the western Himalayas and Assam.

At the end of the month another depression was entering Sind from the west: its history will be given in the April review.

Pressure.

10. (*a*) On the mean of the whole month the barometer in the plains of India stood ·040″ below its normal height. The deficiency of pressure was widespread, and ranged from ·030″ in the Central Provinces to about ·06″ in the Indus valley.

TABLE 10.

DIVISION.	Departure from normal of mean 8 hrs. pressure.
	″
Burma	—·037
Eastern Bengal and Assam	—·042
Bengal	—·041
United Provinces	—·042
Punjab	—·039
North-West Frontier Province	—·057
Sind	—·058
Rajputana	—·038
Bombay	—·041
Central India	—·041
Central Provinces	—·030
Hyderabad	—·037
Mysore	—·035
Madras	—·041

(*b*) The vertical gradients were very weak in northern India and stronger than usual in southern India, as is shown below :—

TABLE 11.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference. B—A.
	"		"	"
Quetta	—·007	Jacobabad	—·071	—·064
Leh	—·028	Lahore	—·052	—·024
Murree	—·033	Peshawar	—·054	—·021
Simla	—·015	Ludhiana	—·035	—·020
Chakrata	—·018	Roorkee	—·024	—·006
Darjeeling	—·041	Jalpaiguri	—·056	—·015
Mount Abu	—·027	Deesa	—·044	—·017
Pachmarhi	—·018	Khandwa	—·035	—·017
Kodaikanal	—·063	Madura	—·033	+·030

(*c*) Pressure was below normal also in Persia and equatorial regions, an indication that the low pressure conditions recorded in India were not due merely to local actions.

(*d*) The anomalous features of the distribution of the month were, it may be noted, very similar in kind and degree to those of January and were, as in that month, associated with drier weather than usual.

Temperature.

11. Day temperature ruled above the normal in northern and central India ; the excess was however marked only in the case of Sind, Rajputana and Gujarat where it amounted to about 3°. Over Burma and the peninsula the departures from the mean were small and irregular. Minimum temperature, on the other hand, was in defect in most parts of the country, particularly in the Central Provinces where nights were on the average 3° cooler than usual.

In the mountain zone bordering north-west India temperature varied somewhat irregularly from the normal, being low in Afghanistan and central Kashmir, and rather high in Baluchistan and the Punjab Himalayas.

Owing to the absence of storms of the usual cold weather type, temperature conditions were on the whole less unstable than usual. Thus in north-west India, the usual region of the winter rains, temperature was persistently high during the first fortnight, low on the last three days of the month, and approximately normal on most other days.

The lowest temperatures of the month occurred at different times in different parts of northern India, an indication that they were caused by local actions and not by the passage of a cold wave as is ordinarily the case in the winter season.

TABLE 12.

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

TABLE 13.

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	85·2	75·9	80·5	9·3	14·9	—1·4	+1·2	—2·6
2. Lower Burma	88·8	67·8	78·3	21·0	30·6	—0·6	+1·6	—2·2
3. Upper do.	85·4	55·2	70·3	30·2	41·5	—1·4	—1·2	—0·2

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.
	°	°	°	°	°	°	°	°
4. Assam	77·6	54·9	66·3	22·7	34·9	+0·8	+0·1	+ 0·7
5. Eastern Bengal	80·6	54·5	67·6	26·1	38·1	+0·7	—1·0	+ 1·7
6. Bengal	84·0	57·1	70·5	26·9	41·9	+0·7	—1·5	+ 2·2
7. Orissa	86·5	61·1	73·8	25·3	37·5	—0·1	—2·8	+ 2·7
8. Chota Nagpur	82·5	53·8	68·1	28·7	43·4	+0·7	—1·2	+ 1·9
9. Bihar	80·5	52·2	66·3	28·3	39·5	+1·6	—1·2	+ 2·8
10 United Provinces, East	80·6	49·4	65·0	31·3	44·8	+1·8	—2·2	+ 4·0
11. Do., West	77·4	49·1	63·2	28·3	41·8	+1·9	—1·0	+ 2·9
12. Punjab, East and North	73·0	46·0	59·5	27·0	41·4	+1·5	—0·7	+ 2·2
13. Do., Southwest	75·1	47·5	61·3	27·6	44·9	+2·5	+1·1	+ 1·41
14. Kashmir	37·4	14·9	26·1	22·4	44·3	+0·5	+0·1	+ 0·4
15. North-West Frontier Province	69·9	43·7	56·8	26·2	40·5	+0·9	—0·1	+ 1·0
16. Baluchistan	62·7	37·6	50·2	25·1	47·8	+4·3	—0·5	+ 4·8
17. Sind	81·9	56·1	69·0	25·8	38·1	+3·1	+1·7	+ 1·4
18. Rajputana, West	82·2	52·1	67·2	30·1	48·6	+4·5	—1·3	+ 5·8
19. Do., East	81·6	51·3	66·5	30·4	45·3	+3·0	—0·1	+ 3·1
20. Gujarat	87·4	57·9	72·6	29·5	42·7	+2·6	—0·9	+ 3·5
21. Central India, West	84·2	51·2	67·7	33·0	45·9	+1·9	—0·9	+ 2·8
22. Do., East	82·7	50·3	66·5	32·3	48·4	+2·7	—1·3	+ 4·0
23. Berar	89·2	58·5	73·9	30·6	40·5	+0·7	—4·2	+ 4·9
24. Central Provinces, West	86·5	53·4	70·0	33·1	46·6	+1·0	—2·5	+ 3·5
25. Do., East	86·3	56·1	71·2	30·3	40·9	—0·7	—3·4	+ 2·7
26. Konkan	86·8	68·2	77·5	18·6	29·3	+2·1	—0·7	+ 2·8
27. Bombay Deccan	91·1	56·7	73·9	34·4	44·2	+1·0	—1·9	+ 2·9
28. Hyderabad, North	90·7	58·0	74·3	32·7	42·2	+0·9	—2·1	+ 3·0
29. Do., South	92·1	63·9	78·0	28·3	38·0	+0·5	—1·7	+ 2·2
30. Mysore	87·9	61·3	74·6	26·5	38·6	+0·3	—0·2	+ 0·5
31. Malabar	88·5	72·4	80·5	16·1	25·2	+0·2	—0·2	+ 0·4
32. Madras, Southeast	89·5	68·8	79·2	20·7	30·9	0	—0·3	+ 0·3
33. Do. Deccan	95·3	65·9	80·7	29·4	42·3	+0·7	—0·5	+ 1·2
34. Do. Coast, North	85·8	68·0	76·9	17·8	29·8	—0·1	—1·3	+ 1·2

Winds.

12. In the wind system there was but little that was abnormal.

Humidity and cloud.

13. There was a slight excess of relative humidity in Ceylon, the greater part of Burma, southwest Bengal, Ladak and at a few stations in Madras, and of absolute humidity in Ladak, lower Sind, the eastern half of Burma and some places in Madras; but in general the air was drier than usual in both respects. The dryness was not however very marked except in Central India, the Central Provinces and Hyderabad, where the air contained only about two-thirds of the normal quantity of vapour. In Burma and the peninsula the state of the skies was about normal but in northern India the month was characterized by unusual serenity, especially in the United Provinces where the cloud proportion averaged about half the usual amount.

These anomalous features agreed in the main with those of rainfall.

TABLE 14.

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	82	+ 2	·550	+·002	2·0	+0·3
Eastern Bengal and Assam.	83	— 4	·439	—·023	2·3	—0·7
Bengal	70	— 2	·389	—·032	1·3	—0·9
United Provinces	62	—10	·278	—·052	1·3	—1·4
Punjab	69	— 6	·265	—·023	2·3	—1·4
North-West Frontier Province.	67	— 7	·231	—·025	3·1	—0·7
Sind	60	— 3	·340	+·021	2·1	—0·6
Rajputana	50	— 3	·241	—·031	1·8	—0·9
Bombay	52	—10	·365	—·074	1·0	0
Central India	41	—16	·209	—·091	1·5	—0·2
Central Provinces	41	—14	·237	—·099	0·9	—0·8
Hyderabad	43	—12	·319	—·111	0·9	—0·2
Mysore	61	— 3	·449	—·023	2·0	0
Madras	74	— 3	·644	—·038	2·7	+0·5

Rainfall.

14. Except in Lower Burma and south-east Madras, the precipitation of the month was generally below the average; and practically the whole of central India, Bombay and Hyderabad were absolutely rainless.

In the hills the greatest deficit occurred in Baluchistan (1·3″ or 85 per cent), and in the plains in the Punjab which received only a quarter of an inch in place of the normal one inch. In Bengal, the United Provinces and the North-West Frontier Province the weather was markedly dry.

TABLE 15.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			″	″	″	
1. Bay Islands	0·5	0·8	0·45	0·54	—0·09	— 17
2. Lower Burma	0·6	0·3	0·35	0·20	+0·15	+ 75
3. Upper do.	0·4	0·4	0·15	0·17	—0·02	— 12
4. Assam	2·8	3·3	1·10	1·46	—0·36	— 25
5. Eastern Bengal	0·7	1·4	0·43	0·83	—0·40	— 48
6. Bengal	0·7	1·5	0·45	0·86	—0·41	— 48
7. Orissa	0·1	1·3	0·04	0·77	—0·73	— 95
8. Chota Nagpur	0·5	1·6	0·29	0·77	—0·48	— 62
9. Bihar	0·4	1·3	0·18	0·57	—0·39	— 68

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			″	″	″	
10. United Provinces, East	0	1·1	0·01	0·48	—0·47	— 98
11. Do., West	0·6	1·6	0·18	0·87	—0·69	— 79
12. Punjab, East and North	1·0	2·1	0·32	1·07	—0·75	— 70
13. Do., Southwest	0·2	1·3	0·05	0·55	—0·50	— 91
14. Kashmir	4·1	4·9	2·72	2·91	—0·19	— 7
15. North-West Frontier Province	2·4	2·8	0·90	1·33	—0·43	— 32
16. Baluchistan	0·8	3·7	0·24	1·57	—1·33	— 85
17. Sind	0	0·7	0	0·25	—0·25	—100
18. Rajputana, West	0	0·3	0	0·13	—0·13	—100
19. Do., East	0·4	0·6	0·11	0·26	—0·15	— 58
20. Gujarat	0	0·2	0	0·11	—0·11	—100
21. Central India, West	0	0·6	0	0·30	—0·30	—100
22. Do., East	0	1·3	0·01	0·64	—0·63	— 98
23. Berar	0	0·6	0	0·23	—0·23	—100
24. Central Provinces, West	0	0·8	0	0·38	—0·38	—100
25. Do. East	0	0·8	0·01	0·45	—0·44	— 98
26. Konkan	0	0·1	0	0·05	—0·05	—100
27. Bombay Deccan	0	0·2	0	0·09	—0·09	—100
28. Hyderabad, North	0	0·3	0	0·16	—0·16	—100
29. Do., South	0	0·4	0	0·18	—0·18	—100
30. Mysore	0·1	0·2	0·03	0·09	—0·06	— 67
31. Malabar	0·3	0·2	0·17	0·18	—0·01	— 6
32. Madras, Southeast	1·4	0·7	0·81	0·50	+0·31	+ 62
33. Do. Deccan	0	0	0	0·11	—0·11	—100
34. Do. Coast, North	0·1	0·6	0·06	0·45	—0·39	— 87

TABLE 16.

Division	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	″	″	″	
Burma	0·24	0·18	+0·06	+ 33
Eastern Bengal and Assam	0·77	1·16	—0·39	— 34
Bengal	0·27	0·74	—0·47	— 64
United Provinces	0·09	0·66	—0·57	— 86
Punjab	0·26	0·96	—0·70	— 73
North-West Frontier Province	0·90	1·33	—0·43	— 32
Sind	0	0·25	—0·25	—100
Rajputana	0·07	0·22	—0·15	— 68

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	″	″	″	
Bombay	0	0·09	—0·09	—100
Central India	0	0·41	—0·41	—100
Central Provinces	0	0·34	—0·34	—100
Hyderabad	0	0·17	—0·17	—100
Mysore	0·03	0·09	—0·06	— 67
Madras	0·42	0·40	+0·02	+ 5
Mean of India when the size of the above areas is taken into account.	0·19	0·47	—0·28	— 60

Snowfall.

I.—AFGHANISTAN.

15. Snow fell on six days to a total depth of about 21 inches. At the end of the month there was an accumulation of about 2 feet on the slopes of the Paghman hills, while in the plain itself not more than 1½″ remained.

II.—NORTH-WEST FRONTIER PROVINCE.

(*a*) *Wano.*—There were altogether five falls in the month on the surrounding peaks and only one of these extended to the level of the plains. The snow melted quickly however, so that by the end of the month even the higher peaks had become almost bare.

(*b*) *Kurram.*—Heavy snow fell on the higher peaks of the Sufed Koh and on the surrounding hills, and light snow in Parachinar, on the 3rd, 12th, 13th, 15th and 22nd to 24th. The accumulations could not be accurately judged, but were believed to be greater than usual.

(*c*) *Kohat.*—There were three or four falls on the ranges bordering the district. The following statement shows the total amount received in the various localities.

TABLE 17.

Locality.	Total amount received during the month.	
	Ft.	In.
Mullaghar	0	6
Samana	1	4
Mahorah	0	5
Dappa	0	5
Mozioghar	1	3
Landoku	2	2
Krumb	0	9½
Tunga	0	9½
Moulaghar	0	1

III.—KASHMIR.

Snowstorms were of frequent occurrence. The total fall received during the month amounted to about 5 feet at Kargil, 11 feet on the heights near Kargil and 8 or 9 feet at Dras, Sonemarg and on the Zojila. At the close of the month snow to a depth of 7 feet was reported to be lying in the grounds of the Dras observatory, and to a depth of 3 feet at Kargil.

IV.—PUNJAB.

(*a*) *Murree.*—Snow fell on four days at Murree and on one day on the hills near Kahuta; the total fall measured 3 feet in depth in the former and 1 foot in the latter locality.

(*b*) *Dalhousie.*—A total of 3 inches was recorded on two days. At the end of the month there was an accumulation of about 3 feet on the Dainkund, Kalatop and Khajiar.

(*c*) *Kilba.*—There were altogether ten falls during the month. The lowest level reached by the snowline was 5,750 feet, and here the aggregate fall was estimated at nine inches.

TABLE 18.

Name of pass.	Depth of accumulation at the end of the month.		
	Reported.		Normal.
	Ft.	In.	
Runang pass	1	8	10 feet.
Brua "	5	0	15½ "
Harang "	5	0	8½ "
Shatul "	6	0	14 "
Buldar "	5	0	15½ "
Rupin "	6	0	15 "

V.—UNITED PROVINCES.

Almora.—There were several snowstorms, chiefly during the second and third weeks. The aggregate fall was reported as amounting to 32½ feet on the Nuwe pass, 11 feet in Malla Johar, 6 feet in Byans and 5½ feet in Chaudas. The snowline came down to the inhabited area.

TABLE 19.

Name of pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Nuwe pass	57? feet.	35 feet.
Untadhura	6 "	25 "
Ralamdhura	5 "	20½ "
Lipulekh pass	15 "	19 "
Lampia "	15 "	21½ "
Binkaru "	17 "	37½ "

SUMMARY.

16. In Afghanistan and Kashmir the snowfall of the month was probably normal or in slight excess; elsewhere in the mountain zone bordering upper India it was appreciably lighter than usual.

HEM RAJ.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 33 stations in India, etc., in February, 1910.

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. Mean of 10 hrs.	Pressure. Mean of 16 hrs.	Pressure. Mean daily range.	Pressure. Mean of daily mean pressures.	Pressure. Departure from normal.	Pressure. Mean reduced to sea-level and gravity, 45° Lat.	Temperature of air. Mean maximum.	Temperature of air. Mean minimum.	Temperature of air. Mean daily range.	Temperature of air. Highest maximum.	Temperature of air. Lowest minimum.	Temperature of air. Absolute range.	Temperature of air. Mean 10 hrs.	Temperature of air. Mean 16 hrs.	Temperature of air. Mean of daily means.	Temperature of air. Departure from normal.	Temperature, wet-bulb. Mean minimum.	Temperature, wet-bulb. Mean 10 hrs.	Temperature, wet-bulb. Mean 16 hrs.	Temperature, wet-bulb. 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 . .	18	29·951	29·807	·147	29·877	—·054	29·832	93·0	68·7	24·3	96·9	62·0	34·9	81·9	90·5	78·8	+1·5	65·3	70·5	72·0	69·3
	III.—Bengal.																					
6	Calcutta . .	21	·984	·851	·133	·909	—·048	·876	84·1	59·1	25·0	92·3	53·3	39·0	75·2	82·7	70·7	+0·4	56·7	64·1	65·6	62·1
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad . .	309	·695	·568	·127	·621	—·047	·890	82·4	50·1	32·3	93·0	44·0	49·0	70·2	81·7	65·1	+0·2	45·9	54·9	57·6	52·8
11	Dehra Dun . .	2,233	27·695	27·617	·078	27·649	—·054	·900	71·7	46·0	25·7	78·1	40·2	37·9	61·5	67·9	58·4	+0·8	42·5	51·6	53·6	49·2
	V.—Punjab.																					
12	Lahore . . .	702	29·270	29·184	·086	29·218	—·063	·917	73·2	45·6	27·6	79·5	37·2	42·3	61·9	71·6	58·3	+1·0	43·4	53·3	57·1	51·3
	VIII.—Rajputana.																					
19	Jaipur . . .	1,431	28·562	28·455	·107	28·497	—·041	·911	81·2	51·6	29·6	89·7	43·5	46·2	70·8	79·4	65·2	+1·0	44·7	54·4	57·6	52·2
	Udaipur . .	1,925	·967	27·953	·114	·005		·895	82·9	50·3	32·6	90·0	42·7	47·3	73·0	82·3	66·7		45·4	56·2	60·2	53·9
	IX.—Bombay.																					
26	Bombay . .	37	29·951	29·832	·119	29·885	—·048	·862	86·3	69·1	17·2	89·1	64·8	24·3	76·7	81·1	76·8	+2·0	62·4	67·1	70·9	66·8
	XI.—Central Provinces.																					
24	Nagpur . .	1,017	28·971	28·828	·143	28·892	—·026	·872	89·7	55·5	34·2	96·3	51·5	44·8	76·4	88·3	72·2	−2·1	48·8	59·0	63·6	57·1
	XII.—Hyderabad.																					
29	Hyderabad . .	1,690	·287	·161	·126	·217	−·037	·840	91·3	61·6	29·7	95·3	56·5	38·8	80·4	89·2	76·2	−0·9	53·2	62·5	63·2	59·6
	XIII.—Mysore.																					
30	Bangalore . .	3,021	26·993	26·858	·135	26·922	—·047	·809	87·2	59·8	27·4	92·0	52·7	39·3	77·2	85·1	72·8	+0·8	55·5	61·9	61·8	59·7
	Mysore . . .	2,518	27·477	27·333	·144	27·402	−·040	·816	88·5	62·1	26·4	93·9	54·1	39·8	77·7	87·3	74·6	—0·6	58·2	65·1	64·8	62·7
	XIV—Madras.																					
32	Pudukkottai .	318	29·668	29·517	·151	29·593		·842	91·1	69·6	21·5	95·9	64·4	31·5	81·5	87·9	80·4		67·4	72·9	73·6	71·3
	Madras . .	22	·974	·859	·115	·915	−·051	·868	87·5	69·1	18·4	90·9	62·5	28·4	83·0	83·8	77·4	+0·8	68·3	73·7	74·2	72·1
	Bay Islands.																					
1	Port Blair . .	58	·902	·797	·105	·848	—·048	·835	86·8	76·2	10·6	89·0	73·6	15·4	82·8	84·8	80·6	0	72·5	76·1	76·4	75·0
	Kashmir.																					
14	Srinagar . .	5,204	24·945	24·870	·075	24·903	—·034	24·875	43·8	32·1	11·7	52·1	27·7	24·4	35·9	42·0	36·2	+3·2	30·2	33·9	38·9	34·3
	Leh . . .	11,503	19·599	19·514	·085	19·556	—·037	19·524	35·8	12·6	23·2	43·8	3·0	40·8	25·8	32·0	22·4	+3·6	10·3	21·4	24·3	18·7
	Baluchistan.																					
16	Quetta . .	5,502	24·669	24·598	·071	24·626	—·021	24·587	57·2	32·3	24·9	69·7	22·1	47·6	49·1	54·3	44·5	+2·3	29·5	33·0	40·5	36·0

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.

33 stations in India, etc., in February, 1910.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.											Wind steadiness.		Wind velocity.		Rainfall.		Station.	Number of subdivision.
	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.		
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.	
31	·597	·539	·595	−·010	83	55	39	65	−4	3·4	5·7	4·5	+2·7	4	6	22	4	8	5	4		3	N 63° E	S 42° W	41	16	35	91	0	0	Rangoon	2
																															III.—Bengal.	
37	·458	·408	·461	−·024	86	52	36	61	−5	0·8	0·9	0·9	−1·3	2	4	3	3	4	8	10	6	16	S 88° W	N 73° W	29	25	88†	79	0·44	0·41	Calcutta	6
																															IV.—United Provinces of Agra and Oudh.	
58	·235	·159	·231	−·093	71	31	15	44	−14	1·4	1·4	1·4	−1·0	4	2	3	4	1	2	1	25	14	N 70° W	N 63° W	55	34	80	108	0·05	0·05	Allahabad	10
13	·264	·236	·254	−·028	74	48	35	54	−8	3·2	3·2	3·2	−1·2	4	6	2		4	6	8	17	7	S 85° W	S 85° W	42	29	45†	41	0·98	0·75	Dehra Dun‡	11
																															V.—Punjab.	
58	·296	·281	·286	−·001	84	53	36	61	−1	1·7	2·9	2·3	−1·6	3	2	2	1	10		1	12	25	N 57° W	N 30° W	45	30	67	53	0·04	0·04	Lahore	12
																															VIII.—Rajputana.	
3	·222	·208	·221	−·041	56	29	20	39	−8	2·5	2·9	2·7	−0·4	2	4	1	5	7	4	6	11	16	N 80° W	N 20° W	28	33	95†	91	0	0	Jaipur	19
5	·245	·245	·247		67	30	22	40		1·8	1·8	1·8		18	3	3	6	5	1	6	9	5	S 89° W		9		62		0	0	Udaipur.	
																															IX.—Bombay.	
6	·535	·622	·567	−·052	66	59	58	65	−6	0·9	0·8	0·9	−0·3		5	10	12	1			8	20	N 5° W	N 1° W	46	57	210†	250	0	0	Bombay	26
																															XI.—Central Provinces.	
3	·285	·281	·279	−·066	60	31	21	38	−5	0·9	1·2	1·1	−1·1	3	16	8	9	6	2	3	7	2	N 30° E	N 42° E	30	19	65	106	0	0	Nagpur	24
																															XII.—Hyderabad.	
3	·344	·253	·298	−·144	56	34	18	37	−13	0·8	0·9	0·9	−1·1	31		12		11			1	1	N 84° E	S 51° E	27	27	62	93	0	0	Hyderabad	29
																															XIII.—Mysore.	
7	·379	·284	·358	−·049	76	41	24	49	−5	1·5	1·9	1·7		1	3	11	29	6	2	2	1	1	N 84° E	S 69° E	68	59	174	120	0	0	Bangalore	30
3	·466	·336	·420	−·017	78	49	26	53	0	2·3	3·6	2·9	−0·2		4	12	18	12	3	3	2	2	N 89° E	N 87° E	52	56	184	190	0·17	0·17	Mysore.	
																															XIV.—Madras.	
5	·697	·639	·661		89	65	50	68		5·1	4·9	5·0		3	8	24	8	5	1	2	1	4	N 49° E		59		200		0·74	0·38	Pudukkottai.	32
9	·709	·722	·730	+·015	96	63	62	77	−1	2·6	2·5	2·5	−0·7		1	20	15	10	2	4		4	N 79° E	S 84° E	56	72	131†	120	0	0	Madras.	
																															Bay Islands.	
1	·810	·796	·806	−·031	83	72	66	77	−2	5·2	5·1	5·1	+2·0	13	14	15	11	2				1	N 43° E	N 42° E	59	71	102	120	0·89	0·65	Port Blair	1
																															Kashmir.	
7	·175	·208	·173	−·001	80	82	76	79‖	−5	7·9	6·5	7·2	+0·6	15	4	3		1	1	1	6	25	N 45° W	S 9° W	53	8	44	84	3·82	1·22	Srinagar	14
5	·083	·071	·069	+·002	68	55	41	58	−6	5·4	8·4	6·9	+0·1		4	3		1	18	15	11	4	S 46° W	S 9° W	53	25	65†	31	0·39	0·17	Leh.	
																															Baluchistan.	
0	·118	·111	·133	−·038	77	35	28	50	−17	2·1	2·9	2·5	−1·7	5	10		2		10		23		S 69° W	N 84° W	51	30	91	84	0·42	0·40	Quetta¶	16

† Uncorrected for scale error.

‡ Wind observations less 2.
¶ " " " 1.

‖ Mean of three previous columns.

Table

Abstract of observations taken at 10 hrs. and 16 hrs., at 33 stations

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure. Mean of 10 hrs.	Pressure. Mean of 16 hrs.	Pressure. Mean daily range.	Pressure. Mean of daily mean pressures.	Pressure. Departure from normal.	Pressure. Mean reduced to sea-level and gravity, 45° Lat.	Temperature of air. Mean maximum.	Temperature of air. Mean minimum.	Temperature of air. Mean daily range.	Temperature of air. Highest maximum.	Temperature of air. Lowest minimum.	Temperature of air. Absolute range.	Temperature of air. Mean 10 hrs.	Temperature of air. Mean 16 hrs.	Temperature of air. Mean of daily means.	Temperature of air. Departure from normal.	Temperature, wet-bulb. Mean minimum.	Temperature, wet-bulb. Mean 10 hrs.	Temperature, wet-bulb. Mean 16 hrs.	Temperature, wet-bulb. 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 . . .	7,232	23·026	23·039	·047	23·056	−·015	23·018	48·3	36·5	11·8	56·8	26·2	30·6	43·5	45·4	42·2	+1·6	30·2	34·2	36·8	33·7
	Sarain . . .		·122	·066	·056	·082		·044	48·1	28·1	20·0	58·7	19·6	39·1	40·3	42·4	37·9			34·1	35·9	
	Kalabagh . .								Obsevar	tions no	t	receiv	ed.									
	Chakrata . .	7,022	23·276	23·221	·055	23·233	−·022	23·192	55·5	36·6	18·9	65·8	28·2	37·6	46·4	47·9	45·9	+2·4	32·2	38·5	40·4	37·0
	Muktesar . .	7,592	22·820	22·759	·061	22·782		22·741	52·3	36·2	16·1	62·5	26·6	35·9	45·5	49·1	44·0		29·3	36·8	39·0	35·0
	Katmandu . .	4,388	25·665	25·553	·112	25·606	—·042†	25·560	68·2	38·6	29·6	74·1	30·8	43·3	55·3	65·0	53·2	+0·7†	36·7	48·5	51·3	45·5
	Darjeeling . .	7,376	22·963	22·882	·081	22·920	—·069	22·875	50·3	36·5	13·8	56·1	28·8	27·3	45·1	46·3	43·2	+1·6	34·8	41·0	41·5	39·1
	Pachmarhi . .	3,528	26·509	26·455	·054	26·473	—·026	26·420	77·0	48·6	28·4	82·4	40·1	42·3	68·1	75·0	62·6	—0·7	40·3	52·2	54·8	49·1
	Mount Abu . .	3,945	·113	·037	·076	·066	—·028	·016	71·2	56·1	15·1	76·6	50·8	25·8	66·4	68·5	63·4	+2·4	40·6	47·8	49·8	46·1
	Chikalda . .	3,642	·406	·303	·103	·346	—·056	·289	79·0	56·5	22·5	83·7	52·1	31·6	70·3	76·5	67·4	−1·1	47·4	53·3	55·7	52·1
	Ootacamund .	7,327	23·083	23·009	·074	23·036		22·972	66·3	43·1	23·2	69·4	35·4	34·0	61·5	62·7	54·5		40·2	48·9	51·0	46·7
	Kodaikanal . .	7,688	22·843	22·776	·067	22·810		·745	63·6	47·0	16·6	67·5	40·8	26·7	58·1	59·2	55·3		40·7	47·9	51·7	46·7
	Dodabetta . .	8,539?	·087	·020	·067	·044		21·981	59·3	44·6	14·7	62·9	38·1	24·8	54·3	55·6	51·8		37·7	44·4	47·9	43·3
	Extra India.																					
	Minicoy . .	7	29·958	29·884	·074	29·923																
	Zanzibar . .	72	·888	·783	·105	·837	—·009	29·835	86·6	79·3	7·3	88·5	74·8	13·7	83·3	86·2	82·0	—0·7	74·2	77·2	77·3	76·2
	Diego Garcia .								Observa	tions no	t	receiv	ed.									
	Seychelles . .	15	·940	·852	·088	·904	—·025†	·843	83·5	78·3	5·2	84·8	75·5	9·3	81·7	82·6	79·8	+0·7†	72·3	76·4	76·4	75·0
	Mauritius . .	181							Observa	tions no	t	receiv	ed.									

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.

—concluded.

n India, etc., in February, 1910—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.	
06	·105	·129	·123	—·036	54	40	45	49	—12	3·6	5·0	4·3	—1·4																2·37	1·06	Simla.	
	·133	·144				55	55			4·1	5·9	5·0		13	1	6	1		15	18	1	1	S 23° W		43		68		3·70§	¶ 2·06	Sarain.	
									Observations not received.																						Kalabagh.	
37	·153	·174	·164	—·009	67	50	53	60	— 6	2·7	3·6	3·1	—1·8	13	11	1		5	25	1			S 11° E	S 6° W	32	4	114	151	3·71	2·03	Chakrata.	
97	·129	·134	·130		49	46	42	49		4·3	5·3	4·8		16		2	5	1	3		27	2	S 87° W		37		197		1·72	1·05	Muktesar.	
97	·265	·224	·239	—·021	85	61	37	64	— 5	1·0	2·0	1·5	—2·0	2	1		20			1	32		N 89° W	N 87° W	23	47	15*	29	0·28	0·11	Katmandu.	
85	·216	·214	·215	—·008	82	72	69	77	— 6	5·2	5·3	5·3	—0·7	21	2	2				15	13	3	S 78° W	S 83° W	45	31	71	132	0·30	0·17	Darjeeling.	
55	·211	·196	·191	—·069	46	32	23	38	—11	0	0	0	—2·3	2	10	9	3		1	8	12	11	N 43° W	N 69° W	43	25	98	106	0	0	Pachmarhi.	
79	·122	·146	·119	—·069	17	19	21	23	—11	1·7	2·0	1·9	—0·5		5	10		5	2	14	8	12	N 72° W	N 66° W	30	28	175	146	0	0	Mount Abu.	
26	·214	·205	·219	—·054	50	29	22	38	— 5	0·2	0·2	0·2	—1·6																0	0	Chikalda.	
23	·221	·257	·249		79	41	45	58		2·9	4·0	3·5		1	6	10	18	12	7		1	1	S 87° E		57		99		1·61	1·21	Ootacamund.	
02	·239	·308	·250		60	50	63	58		2·8	4·5	3·7			16	7	9	5	6		3	10	N 22° E		36		320*		1·30	0·77	Kodaikanal.	
63	·198	·259	·207		53	46	58	52		3·3	4·9	4·1			11	23	15	7					N 58° E		76		436		1·05	0·59	Dodabetta.	
																															Extra India.	
										2·9	2·0	2·5			28	13	6				1	8	N 11° E		78		95		0	0	Minicoy.	
77	·848	·816	·831	—·039	78	39	65	63	—14	6·5	4·1	5·3	+0·7		17	21	8	2	1	3	1	3	N 33° E	N 32° E	62	55	152	161	2·36	1·28	Zanzibar.	
									Observations not received.																						Diego Garcia.	
2	·836	·830	·816	—·026	74	78	74	78	— 5	5·6	6·4	6·0	—0·5†	5	13	3	1				6	28	N 33° W	N 21° W	75	53	177*	147	4·87	2·46	Seychelles.	
									Observations not received.																						Mauritius.	

† Departure from old normal. ¶ Rain and snow water. * Uncorrected for scale error. § Rain, hail and snow water.

Table B.—Abstract of observations taken at 8 hrs., at 240 stations in India, etc., in February, 1910.

(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 2,000 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	—·037	87·2	—0·9	61·9	+0·5	74·6	—0·2	25·3	35·7	—0·2	— 7	82	+ 2	·550	+·002	2·0	+0·3	0·24	0·18	+0·06
Eastern Bengal and Assam	—·042	79·8	+0·7	54·6	—0·7	67·2	0	25·1	37·2	—0·8	+ 4	83	— 4	·439	—·023	2·3	—0·7	0·77	1·16	—0·39
Bengal	—·041	82·9	+0·7	55·5	—1·7	69·2	—0·5	27·4	40·5	—0·4	— 6	70	— 2	·389	—·032	1·3	—0·9	0·27	0·74	—0·47
United Provinces of Agra and Oudh	—·042	78·9	+1·9	49·2	—1·6	64·1	+0·1	29·7	43·2	—0·2	0	62	—10	·278	—·052	1·3	—1·4	0·09	0·66	—0·57
Punjab	—·039	73·6	+1·7	46·4	—0·3	60·0	+0·7	27·1	42·3	+0·8	+ 6	69	— 6	·265	—·023	2·3	—1·4	0·26	0·96	—0·70
North-West Frontier Province	—·057	69·9	+0·9	43·7	—0·1	56·8	+0·4	26·2	40·5	—0·9	— 5	67	— 7	·231	—·025	3·1	—0·7	0·90	1·33	—0·43
Sind	—·058	81·9	+3·1	56·1	+1·7	69·0	+2·4	25·8	38·1	—1·0	+ 1	60	— 3	·340	+·021	2·1	—0·6	0	0·25	—0·25
Rajputana	—·038	81·8	+3·4	51·5	—0·4	66·7	+1·5	30·3	46·2	+0·7	— 2	50	— 3	·241	—·031	1·8	—0·9	0·07	0·22	—0·15
Bombay	—·041	88·3	+2·0	60·1	—1·2	74·2	+0·4	28·2	39·8	—0·8	— 1	52	—10	·365	—·074	1·0	0	0	0·09	—0·09
Central India	—·041	83·5	+2·3	50·8	—1·1	67·1	+0·6	32·7	47·1	—1·1	+ 5	41	—16	·209	—·091	1·5	—0·2	0	0·41	—0·41
Central Provinces	—·030	87·1	+0·5	55·6	—3·0	71·4	—1·2	31·5	43·2	—0·2	+ 3	41	—14	·237	—·099	0·9	—0·8	0	0·34	—0·34
Hyderabad	—·037	91·5	+0·5	61·3	—1·8	76·4	—0·6	30·2	39·8	—0·7	+24	43	—12	·319	—·111	0·9	—0·2	0	0·17	—0·17
Mysore	—·035	87·9	+0·3	61·3	—0·2	74·6	+0·1	26·5	38·6	+0·9	+ 2	61	— 3	·449	—·023	2·0	0	0·03	0·09	—0·06
Madras	—·041	89·3	+0·1	68·9	—0·5	79·1	—0·2	20·4	31·1	+0·7	— 2	74	— 3	·644	—·038	2·7	+0·5	0·42	0·40	+0·02

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	29·884	−·043	29·871	30·039	3rd	29·821	9th	·218	76·4	87·9	−1·7	71·4	+2·3	79·7	+0·3	16·5	90·9	20th	66·4	4th & 6th	24·5
	Tavoy	19	29·933	−·052	29·884	30·087	3rd	29·863	9th	·224	72·4	91·4	+0·3	70·3†	+3·5†	80·9†	+1·9	21·1	93·8	10th	61·8	7th	32·0
	Moulmein	94	29·867	−·026	29·901	30·018	2nd & 3rd.	29·803	18th	·245	72·8	92·3	+0·8	69·1	+1·4	80·7	+1·1	23·2	95·5	12th	62·3	4th & 8th.	33·2
	Rangoon	18	29·931	−·050	29·887	30·107	3rd	29·851	19th	·256	71·1	92·9	+0·1	68·6	+2·7	80·7	+1·4	24·3	97·1	18th	61·9	8th	35·2
	Bassein	27?	29·927	−·035	29·892	30·102	3rd	29·853	19th	·249	70·9	90·3	+0·3	67·4	+2·5	78·9	+1·4	22·9	93·2	20th & 21st.	60·4	8th	32·8
	Diamond Island	41	29·913	−·047	29·889	30·081	3rd	29·844	19th	·237	77·7	84·7	+0·5	73·3	+1·0	79·0	+0·7	11·4	88·9	4th	69·7	7th & 8th.	19·2
	Toungoo	164	29·785	−·035	29·897	29·960	2nd	29·704	19th	·256	67·0	89·2	−1·7	61·5	+0·4	75·3	−0·7	27·7	93·5	18th	54·8	23rd	38·7
	Kyaukpyu	18	29·942		29·900	30·114	3rd	29·866	19th	·248	69·2	79·8?		63·0		71·4?		16·8?	82·0	4 days	56·4	5th	25·6
	Akyab	20	29·947	−·047	29·910	30·120	3rd	29·857	19th	·263	63·5	81·6	−3·2	60·5	−1·0	71·1	−2·1	21·1	85·9	18th	56·5	8th	29·4
3	Thayetmyo	121	29·828	−·034	29·896	30·032	2nd	29·736	19th	·296	66·1	91·1	−1·5	56·7	−0·2	73·9	−0·9	34·4	95·5	28th	49·9	7th & 9th	45·6
	Minbu	*165*	29·776	−·038	29·893	29·968	2nd	29·684	26th	·284	61·9	90·1	−1·5	58·2	−3·0	74·2	−2·3	31·9	95·8	27th	50·0	5th	45·8
	Yamethin	657	29·261	−·041	29·893	29·446	2nd	29·169	26th	·277	65·3	90·9	−1·6	59·0	−1·6	74·9	−1·6	31·9	96·8	17th	54·0	8th	42·8
	Mandalay	250	29·708	−·015	29·917	29·897	2nd	29·581	26th	·316	66·0	91·6	+1·7	?	?	?	?	?	98·0	27th	?	?	?
	Monywa	*280*	29·685		29·904	29·866	2nd	29·527	26th	·339	64·4	87·9		59·4		73·7		28·5	93·3	19th	54·6	23rd & 24th.	38·7
	Lashio	*2,751*	27·130	−·049	27·076	27·300	2nd	27·013	26th	·287	55·3	78·4	−0·6	49·3	+0·6	63·9	0	29·1	82·3	16th, 20th & 27th.	45·0	4th & 23rd.	37·3
	Bhamo	*381*	29·589	−·005	29·948	29·782	2nd	29·420	26th	·362	56·9	80·5	−1·7	51·5	−1·6	66·0	−1·7	29·0	85·9	16th	46·1	1st	39·8
	Myitkyina	458	29·486		29·930	29·669	2nd	29·322	26th	·347	57·6	79·2		52·3		65·7		26·9	85·2	16th	44·5	28th	40·7
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	353	29·633		29·965	29·807	3rd	29·380	26th	·427	58·4	73·0		55·2		64·1		17·8	80·4	15th	48·1	22nd	32·3
	Sibsagar	333	29·672	−·037	29·979	29·852	2nd	29·427	26th	·425	58·9	74·0	+0·9	53·6	+0·3	63·8	+0·6	20·4	78·6	4 days	48·0	4th & 22nd.	30·6
	Tezpur	252	29·734		29·960	29·933	2nd	29·488	26th	·445	58·5	78·4		56·3		67·3		22·1	84·1	15th & 17th.	50·4	22nd	33·7
	Gauhati	195	29·799		29·962	29·999	2nd	29·547	26th	·452	58·4	80·1		52·8		69·5		27·3	87·8	17th	46·1	28th	41·7
	Dhubri	115									59·4	79·1	+1·1	56·9	+0·9	68·0	+1·0	22·2	86·5	17th	51·7	28th	34·8
	Silchar	104	29·905	−·028	29·969	30·102	3rd	29·704	26th	·393	60·1	81·1	+0·4	54·7	−0·9	67·9	−0·3	26·4	85·8	15th	49·3	22nd & 23rd.	36·5
5	Cox's Bazar	36	29·920?		29·000?	30·101	3rd	29·816	19th	·285													
	Chittagong	87	29·886	−·044	29·926	30·060	3rd	29·761	26th	·299	62·2	80·9	−1·4	56·8	−2·2	68·9	−1·8	24·1	85·0	19th	52·5	4th	32·5
	Noakhali	43	29·936		29·928	30·117	3rd	29·801	26th	·316	61·7	80·6		57·1		68·9		23·5	84·3	15th	51·4	1st	32·9
	Barisal	12	29·952	−·048	29·911	30·135	2nd	29·813	26th	·322	65·2	81·9	+0·2	57·0	−2·7	69·5	−1·3	21·9	87·8	26th	50·6	28th	37·2
	Comilla	36	29·943		29·928	30·131	2nd	29·796	26th	·335	64·4	82·6		57·1		69·8		25·5	86·3	14th	52·2	1st & 8th.	34·0
	Narayanganj	26	29·950	−·038	29·925	30·144	3rd	29·800	25th	·344	63·2	81·7	−0·5	57·6	−1·0	69·6	−0·7	24·1	89·5	26th	52·3	8th	37·2
	Faridpur	46	29·934		29·932	30·127	3rd	29·774	25th	·353	61·5	81·8		53·6		67·7		28·2	91·3	26th	47·4	3rd	43·9
	Sirajganj	49	29·931		29·932	30·148	3rd	29·751	25th	·397	58·6	80·6		53·8		67·2		26·8	87·9	25th	46·8	9th	41·1
	Mymensingh	63	29·927	−·029	29·944	30·121	3rd	29·759	26th	·362	63·1	80·3	+1·9	56·3	+0·7	68·3	+1·3	24·0	85·6	16th	51·1	3rd	34·5
	Bogra	75	29·913	−·018?	29·943	30·119	2nd	29·734	25th	·385	62·8	81·5	+1·3	53·7	[illegible]·8	67·6	+0·3	27·8	89·7	16th	48·2	8th	41·5
	Rampur Boalia	70	29·917‡		29·940‡	30·156	3rd	29·704	25th	·452	60·9	80·9		54·2		67·6		26·7	88·1	15th	50·1	1st & 8th.	38·0
	Malda	72	29·893		29·921	30·103	3rd	29·693	25th	·410	61·9	80·4		51·8		65·1		28·6	88·3	16th	46·5	1st	41·8
	Dinajpur	123	29·827	−·054	29·913	30·044	2nd	29·621	26th	·423	56·5	80·6	+1·2	51·4	−1·7	66·0	−0·3	29·2	88·3	16th & 17th.	45·0	2nd	43·3
	Rangpur	128	29·849		29·934	30·050	3rd	29·643	26th	·407	59·3	79·5		50·2		64·9		29·3	86·6	17th	44·0	22nd	42·6

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

† Mean of 27 days. ‡ Mean of 23 days.

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

B.

in India, etc., in February, 1910.

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 Decr. 1909 to 28th Feby. 1910.	Normal rainfall for period, 1st Decr. to 28th Feby.	Departure from normal of period, 1st Decr. 1909 to 28th Feby. 1910.	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.
27				1					S 45° E	N 8° W	1·7	2·1	—0·4	4	—43	90	+ 7	·805	+ ·049	0·4	—3·2	7	2·80	+4·20	5·83	1·73	+ 4·10	11·01	3·02	+ 7·99	1·76	Mergui.
27									(a)	N 51° W	1·0*	1·4	—0·4			88†	0	·711†	+ ·017	2·5	+0·1	3	0·80	+2·20	0·99	0·65	+ 0·34	1·01	0·92	+ 0·12	0·38	Tavoy.
8		2	16	1			1		N 88° E	N 84° E	4·3	2·3	+2·0	60	+12	82	— 2	·671	—·005	3·6	+2·3	0	0·50	—0·50	0	0·25	— 0·25	0	0·63	— 0·63	0	Moulmein.
3	5	12	2				2	4	N 19° E	S 67° W	3·7	3·8	—0·1	69	+13	79	— 6	·607	—·026	5·3	+4·1	0	0·40	—0·40	0	0·31	— 0·31	0	0·52	— 0·52	0	Rangoon.
18	2	1					2	5	N 38° W	N 43° W	4·5†	4·5	0	29	—30	86	— 1	·658	—·011	1·7	—0·3	0	0·30	—0·30	0	0·29	— 0·29	0·13	0·56	— 0·43	0	Bassein.
1	14	4	3					6	N 4° E	N 9° W	10·9	8·8	+2·1	74	— 1	73	— 3	·703	+·004	3·4	+1·1	0	0·40	—0·40	0	0·07	— 0·07	0·19	0·98	— 0·79	0	Diamond Island.
10	5	5	1	1		4		2	N 9° E	N 6° E	1·5	1·9	—0·4	21	—14	88	+ 4	·589	+·034	1·4	+0·1	1	0·30	+0·70	0·18	0·15	+ 0·03	0·18	0·40	— 0·22	0·13	Toungoo.
3		19		6					N 62° E		3·9*			70		86		·619		1·0		1			0·62			1·53			0·62	Kyaukpyu.
2	8	14	4						N 38° E	N 24° E	3·5	3·5	0	78	— 5	87	+ 5	·511	—·029	1·3	+0·1	1	0·30	+0·70	0·48	0·12	+ 0·36	3·00	0·88	+ 2·12	0·48	Akyab.
1	3	7			3	5	2	7	N 41° W	N 50° W	3·0*	3·5	—0·5	29	—14	76	+10	·493	+·017	1·6	+1·0	1	0·10	+0·90	0·28	0·04	+ 0·24	0·28	0·21	+ 0·07	0·28	Thayetmyo.
12	1			3	4	3	1	4	S 41° W	N 70° W	2·6	6·3	—3·7	21	+ 3	63	+ 4	·383	—·061	2·5	+1·7	1	0·10	+0·90	0·50	0·03	+ 0·47	0·62	0·66	— 0·04	0·50	Minbu.
16	1	1		7	1			2	S 56° E	S 63° E	1·9	3·1	—1·2	18	+ 6	75	+ 5	·475	+·008	1·8	+1·1	1	0·30	+0·70	0·37	0·33	— 0·04	0·37	0·95	— 0·58	0·37	Yamethin.
14	2	1	2	4	2	2	1		S 50° E	S 30° W	3·8	2·4	+1·4	14	+ 3	69	0	·433	—·022	1·1	0	0	0·30	—0·30	0·01	0·05	— 0·04	0·03	0·39	— 0·36	0·01	Mandalay.
7	13	1	1	1			1	4	N 6° W		3·0			56		78		·473		1·2		0	0	0	0	0	0	0·44	0·15	+ 0·29	0	Monywa.
24	1	1	1			1			N 45° E		3·4*			4		84	+ 2	·369	+·017	1·6	—2·8	2			0·28	0·29	— 0·01	0·51	1·34	— 0·83	0·18	Lashio.
25		3							N 45° E	N 18° W	1·5	2·8	—1·3	11	—13	94	+ 7	·441	+·007	2·0	—0·8	1	1·10	—0·10	0·78	0·39	+ 0·39	3·25	1·53	+ 1·72	0·76	Bhamo.
13	1	6	6	2					N 72° E		1·8			46		86		·412		2·0		2			0·85			2·56			0·70	Myitkyina.
																																II.—Eastern Bengal and Assam.
15	1	4	6	1		1			N 74° E		1·7			32		94		·456		4·7		6	6·70	—0·70	2·61	2·56	+ 0·05	3·43	4·89	— 1·46	0·86	Dibrugarh.
14	1	9	1		1	1		1	N 43° E	N 48° E	1·9	2·3	—0·4	29	— 7	91	— 7	·452	—·005	6·0	+0·1	4	4·90	—0·90	1·55	1·98	— 0·43	2·62	3·86	— 1·24	0·49	Sibsagar.
17		9	1	1					N 55° E		3·5			36		89		·436		3·3		2	2·60	—0·60	0·81	0·87	— 0·06	0·89	1·95	— 1·06	0·59	Tezpur.
26	1			1					N 67° E		2·6			3		87		·427		7·1		2	1·80	+0·20	0·54	0·73	— 0·19	0·86	1·61	— 0·75	0·33	Gauhati.
9		5	8	1	2	3			S 83° E	N 67° E	4·2	4·3	—0·1	36	+ 5	80	— 4	·404	—·023	1·1	—1·1	2	1·20	+0·80	0·61	0·48	+ 0·13	0·61	0·98	— 0·37	0·50	Dhubri.
11			11	6					S 75° E	S 63° E	2·1	2·4	—0·3	56	+48	85	— 2	·451	—·011	1·6	—2·1	2	3·70	—1·70	1·37	2·31	— 0·94	2·56	3·49	— 0·93	1·21	Silchar.
22		2	3	1					N 79° E		2·4			18						1·7		0			0·09			1·75			0·05	Cox's Bazar.
2	6	14	3	3					N 47° E	N 45° E	2·3	3·9	—1·6	70	+15	88	+ 4	·501	—·022	2·4	+0·1	0	1·39	—1·39	0	0·98	— 0·98	6·19	2·13	+ 4·06	0	Chittagong.
14	3	5	2		1	1	1	1	N 31° E		2·3			21		89		·495		2·3		0	1·81	—1·81	0	1·00	— 1·00	3·08	1·82	+ 1·26	0	Noakhali.
15	2	3	1	1	2	2	2		E	N 13° W	1·6	2·1	—0·5	1	— 7	83	— 2	·519	—·040	1·1	—1·3	0	1·77	—1·77	0	1·04	— 1·04	3·62	2·31	+ 1·31	0	Barisal.
25		1		1	1				S 45° E		1·3			4		84		·513		1·2		0	2·18	—2·18	0	0·97	— 0·97	3·21	1·73	+ 1·48	0	Comilla.
10		2	2	2	4	2	4	2	S 27° W	N 27° W	2·0	2·9	—0·9	18	+10	79	— 5	·460	—·051	1·4	—1·6	0	2·12	—2·12	0·07	1·28	— 1·21	1·18	1·82	— 0·64	0·07	Narayanganj
21	1		1		3		1	1	S 45° W		1·7			4		79		·436		1·3		0	2·00	—2·00	0·07	1·32	— 1·25	1·22	1·89	— 0·67	0·07	Faridpur.
13	1	2	2	1	3	3	1	2	S 11° W		2·0			8		84		·417		2·5		1	1·57	—0·57	0·73	0·91	— 0·18	1·06	1·49	— 0·43	0·73	Sirajganj.
13	1	5	6	2			1		N 73° E	N 74° E	1·2	1·9	—0·7	36	+ 5	77	— 8	·418	—·009	?	?	1	1·48	—0·48	1·36	1·03	+ 0·33	1·70	1·58	+ 0·12	1·35	Mymensingh.
23			1		4				S 14° E	N 27° W	0·9	2·4	—1·5	14	+ 3	68	—11	·393	—·028	1·2	—0·6	1	1·52	—0·52	0·85	0·85	0	0·93	1·44	— 0·46	0·84	Bogra.
18	1	1			2	3	3		S 63° W		2·0			14		74		·405		1·9		1	1·35	—0·35	0·50	0·84	— 0·34	0·62	1·25	— 0·63	0·47	Rampur Boalia.
8	1	2	1	1	4	4	4	3	S 63° W		3·4*			25		76		·420		0·5		1	1·23	—0·23	1·40	0·75	+ 0·65	1·40	1·67	— 0·27	1·40	Malda.
19		1				1	6	1	W	N 83° W	2·0	3·6	—1·6	23	— 6	81	+ 1	·374	—·019	1·2	—0·3	1	1·39	—0·39	0·85	0·37	+ 0·48	0·85	0·92	— 0·07	0·85	Dinajpur.
21		2	2		1	1	1		S 45° E		1·3			4		79		·403		0·4		2	1·13	+0·87	0·81	0·43	+ 0·38	0·81	1·01	— 0·20	0·59	Rangpur.

(a) Indeterminate.

* Uncorrected for scale error.

stations, 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. 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
	II.—Eastern Bengal and Assam—*concld.*																						
5	Jalpaiguri	283	29·670	—·056	29·927	29·875	2nd	29·446	26th	·429	57·4	78·6	+2·1	53·5	+0·7	66·0	+1·4	25·1	84·4	15th	47·9	21st	36·5
	Cooch Behar	156	29·812		29·934	30·019	2nd	29·584	26th	·435	56·9	77·5		53·5		65·5		24·0	82·8	15th & 16th.	47·6	21st	35·2
	III.—Bengal.																						
6	Saugor Island	25	29·916	—·015	29·916	30·144	3rd	29·791	25th	·353	68·9	81·7	+0·5	64·3	—1·2	73·0	—0·3	17·4	87·0	27th	56·5	1st	30·5
	Midnapore	148	29·816		29·918	30·020	3rd	29·635	25th	·385	65·1	87·8		59·1		73·5		28·7	99·3	26th	52·7	4th	46·6
	Calcutta	21	29·957	—·016	29·925	30·169	3rd	29·778	25th	·391	68·3	83·9	+1·9	58·7	—1·7	71·3	+0·1	25·2	92·2	25th	53·5	1st & 3rd	38·7
	Jessore	33	29·940	—·015	29·921	30·139	3rd	29·767	25th	·372	63·6	82·9	—0·2	55·4	—1·	69·1	—1·1	27·5	92·5	26th	48·7	1st	43·8
	Krishnagar	47	29·921		29·924	30·130	3rd	29·746	25th	·384	56·6	83·8		53·2		68·5		30·6	95·1	26th	48·0	1st	47·1
	Burdwan	99	29·775	—·015	29·929	30·086	3rd	29·686	25th	·409	62·9	85·6	+1·8	57·2	—1·4	71·4	+0·2	28·4	96·4	26th	51·8	8th	44·6
	Bankura	813	29·633‡		29·917†	29·802	4th	29·458	25th	·344	61·6	86·1		58·0		72·1		28·1	96·6	26th	53·2	1st, 3rd & 5th.	43·4
	Raniganj	308	29·642		29·943	29·850	3rd	29·449	25th	·401	60·8	84·9†		56·4		70·6†		28·5	95·5	26th	51·5	1st	44·0
	Berhampore	67	29·915	—·033	29·935	30·127	3rd	29·717	25th	·410	59·4	81·6	—0·4	55·2	—1·3	68·4	—0·9	26·4	88·6	15th	51·2	3rd	37·4
	Naya Dumka	480	29·474		29·949	29·684	3rd	29·269	25th	·415	61·7	81·6		53·5		67·5		28·1	91·4	15th	49·0	1st & 3rd	43·4
7	Balasore	50	29·929	—·042	29·926	30·134	3rd	29·771	25th	·363	65·3	86·9	+1·5	59·7	—2·2	73·3	—0·3	27·2	95·4	26th	54·1	1st	42·3
	False Point	21	29·965	—·036	29·928	30·161	3rd	29·815	19th	·346	69·9	82·5	—0·3	61·8	—3·0	72·2	—1·7	20·7	85·2	13th, 26th & 27th,	54·1	1st	31·1
	Cuttack	80	29·897	—·040	29·924	30·097	3rd	29·750	19th	·347	67·0	88·7	—1·4	63·9	—1·8	76·3	—1·6	24·8	96·4	26th	53·2	1st & 14th	37·2
	Puri	24	29·918		29·911	30·145	2nd	29·789	19th	·356	74·5	83·9		68·3		76·1		15·6	90·6	27th	62·6	1st	28·0
	Angul	455	29·510		29·946	29·713	3rd	29·361	19th	·352	63·6	89·0		57·3		73·1		31·7	91·1	25th & 26th	52·0	1st	42·1
	Sambalpur	486	29·493	—·030	29·953	29·706	3rd	29·354	18th	·352	66·4	87·9	—0·1	55·8	—4·1	71·8	—2·1	32·1	94·6	26th	50·1	1st	44·5
8	Chaibassa	*733*	29·220	—·038	29·946	29·430	3rd	29·045	25th	·385	58·6	85·6	+0·4	54·7	—3·6	70·1	—1·6	30·9	92·1	15th, 25th & 26th.	49·3	1st	42·8
	Ranchi	2,128	27·313	—·024	29·967	28·011	3rd	27·660	25th	·351	61·0	79·6	+1·4	55·3	+0·5	67·5	+0·9	24·3	88·2	25th & 26th	49·4	9th	38·8
	Purulia	*816*	29·133		29·939	29·349	3rd	28·944	25th	·405	62·9	85·5		56·7		71·1		28·8	93·5	25th	52·1	3rd	41·4
	Hazaribagh	2,007	27·929	—·031	29·951	28·124	3rd	27·753	25th	·371	63·8	78·4	+0·4	54·1	—0·4	66·2	0	24·3	85·7	25th	48·3	1st	40·4
	Daltonganj	*730*	29·250		29·987	29·461	3rd	29·047	25th	·417	54·1	83·3		48·3		65·8		35·0	95·1	25th	41·5	1st	53·6
9	Purnea	134	29·812†	—·031†	29·939†	30·063	2nd & 3rd	29·640	26th	·423	56·5	79·8	+0·7	50·9‡	—0·1‡	65·3‡	+0·3	28·9	87·5	15th	43·7	1st	43·8
	Bhagalpur	160	29·819		29·939	30·036	3rd	29·623	25th	·413	64·5	81·0		53·3		67·2		27·7	88·7	15th	47·8	1st, 2nd & 3rd,	40·9
	Monghyr	155	29·816		29·932	30·027	3rd	29·632	25th	·395	62·5	79·3		55·1		67·2		24·2	85·2	15th	49·9	8th	35·3
	Darbhanga	165	29·797	—·046	29·928	30·001	2nd	29·627	26th	·377	57·9	80·3	+3·5	50·8	—3·6	65·6	—0·1	29·5	85·6	16th & 26th	46·3	3rd	39·3
	Pusa	188	29·776		29·930	29·995	2nd	29·595	25th	·400	56·0	80·8		48·2		64·3		32·0	86·0	16th	43·8	3rd	42·2
	Muzaffarpur	174	29·794†		29·938†	30·004	2nd	29·609	25th	·395	58·1	79·5		50·3		64·9		29·2	84·7	26th	45·5	2nd & 3rd	39·2
	Motihari	221	29·734		29·931	29·946	2nd	29·567	26th	·379	53·9	78·4		49·8		64·1		28·6	83·1	26th	46·3	22nd & 28th.	36·8
	Chapra	181	29·781†		29·928†	29·993	2nd	29·591	25th	·402	56·3	80·3		51·5		65·9		28·8	85·2	26th	47·9	2nd & 3rd	37·3
	Patna	183	29·783	—·053	29·930	29·998	3rd	29·597	25th	·401	61·6	79·3	+1·1	53·8	+0·2	66·6	+0·7	25·5	84·0	14th	48·2	2nd & 3rd	35·8
	Arrah	190	29·773		29·928	29·993	2nd	29·573	25th	·420	58·0	80·8		51·0		65·9		29·8	87·1	26th	46·0	2nd	41·1
	Buxar	239	29·720		29·929	29·930	2nd	29·514	25th	·416	58·1	81·6		52·8		67·2		28·8	89·0	14th	46·1	2nd	42·9
	Dehri	351	29·609		29·935	29·814	2nd	29·437	25th	·377	60·5	82·9		55·7		69·3		27·2	89·8	25th	51·5	2nd	38·3
	Gaya	372	29·588	—·057	29·936	29·819	3rd	29·379	25th	·440	61·0	82·3	+1·0	54·8	—1·4	68·5	—0·2	27·5	89·9	14th	49·2	2nd	40·7
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·684†	—·055†	29·915†	29·858	2nd	29·520	25th	·368	56·9	80·0	+2·0	48·8	—3·8	64·4	—0·9	31·2	85·1	15th & 26th	42·5	1st	42·6
	Benares	267	29·708	—·040	29·946	29·917	2nd	29·527	25th	·390	60·0	82·4	+2·0	50·0	—2·0	66·2	0	32·4	90·6	25th	42·1	2nd	48·5
	Allahabad	309	29·665	—·042	29·947	29·874	2nd	29·505	25th	·369	57·8	82·1	+1·9	50·1	—1·7	68·1	+0·1	32·0	93·1	25th	44·0	1st	49·1

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 27 days.

‡ Mean of 26 days.

B—*continued.*

in India, etc., in February, 1910—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., 1909 to 28th Feby., 1910.	Normal rainfall for period, 1st Dec. to 28th Feby.	Departure from normal of period, 1st Dec. 1909 to 28th Feby., 1910.	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.*
25	1							2	N 31° W	N 40° E	0·5			7	−26	83	− 3	·395	+ ·013	2·1	+0·6	0	1·03	− 1·03	0	0·45	− 0·45	0·11	0·99	− 0·88	0	Jalpaiguri.
14		2	11	1					N 86° E		1·6			46		88		·414		2·4		1	1·21	− 0·21	0·33	0·42	− 0·09	0·33	0·93	− 0·60	0·31	Cooch Behar.
																																III.—Bengal.
	6	6	2		2	6	3	4	N 36° W	N 3° W	7·9	9·7	−0·8	32	+ 8	87	+ 1	·315	−·027	1·7	−1·5	0	1·74	− 1·74	0·02	1·12	− 1·10	2·25	1·66	+ 0·59	0·02	Saugor Island.
8	12	2		1	4	1			N 7° E		2·9			20		64		·392		0·9		1	1·77	− 0·77	0·16	1·09	− 0·93	1·61	1·84	−0·23	0·16	Midnapore.
10	1	2	5	2	2	2	1	3	S 85° E	S 46° W	3·6*	3·3	+0·5	12	− 4	83	+ 2	·402	−·025	0·9	−1·3	1	1·61	− 0·61	0·44	1·00	− 0·56	2·76	1·54	+1·22	0·44	Calcutta.
21		2			1			1	N 33° E	N 18° W	0·4	2·0	−1·6	4	− 8	75†	− 8	·459†	−·013	2·1	−0·2	0	1·77	− 1·77	0·03	1·16	− 1·13	1·19	1·80	−0·61	0·03	Jessore.
25		1				1	1		W		2·3			4		85		·393		1·2		0	1·58	− 1·58	0	1·10	− 1·10	0·80	1·63	−0·83	0	Krishnagar.
15	1	1	2		1	3	2	3	N 78° W	N 27° W	1·8	2·0	−0·2	11	− 9	73	+ 5	·415	−·001	2·1	−0·4	0	1·58	− 1·58	0	0·92	− 0·92	1·30	1·32	−0·02	0	Burdwan.
24	1				1		1	1	N 63° W		2·3			7		56		·338		0·4		0	1·83	− 1·83	0	1·03	− 1·03	0·87	1·50	−0·63	0	Bankura.
22		1					2	3	N 45° W		1·6			14		59		·324		0·3		0	1·52	− 1·52	0·08	1·05	− 0·97	0·93	1·56	− 0·63	0·08	Raniganj.
18	1	1	2	1		3	1	1	S 45° W	S 83° W	1·6	2·2	−0·6	1	−39	77	− 3	·393	−·052	1·9	−0·3	1	1·65	− 0·65	0·26	0·97	− 0·71	0·54	1·49	−0·95	0·23	Berhampore.
27	1								N		1·0			4		57		·315		0·8		2	1·62	+ 0·38	1·43	0·70	+ 0·73	1·71	1·45	+ 0·26	0·38	Naya Dumka.
14	2	2	1		1	3		5	N 40° W	N 42° W	1·6	3·8	−2·2	18	−17	73	− 5	·460	−·066	1·5	−1·5	0	2·16	− 2·16	0	1·20	− 1·20	1·82	1·65	+0·17	0	Balasore.
5	4	1			2	4	8	4	N 77° W	N 57° W	6·0	7·3	−1·3	46	+ 3	91	+ 5	·660	−·007	3·5	+0·4	0	1·29	− 1·29	0	0·95	− 0·95	7·08	2·10	+ 4·93	0	False Point.
22		2	1			1	1	1	N	N 36° E	1·9*	2·1	−0·3	5	− 2	87	+ 9	·536	+·024	1·5	−0·9	0	1·16	− 1·16	0	0·46	− 0·46	3·21	0·89	+ 2·32	0	Cuttack.
3	16				1	3	1	4	N 21° W		8·9			61		83†		·618†		2·0		1	1·08	− 0·08	1·08	0·99	+ 0·09	5·59	1·99	+ 3·60	1·08	Puri.
5		1				1	3	10	N 51° W		4·3			71		67		·403		2·6		0			0			2·19			0	Angul.
	4	7	4	5	7	1			S 79° E	N 27° E	4·7	2·9	+1·8	42	−20	53	−14	·345	−·113	1·0	−1·0	0	1·00	−1·00	0	0·51	− 0·51	1·19	1·03	+ 0·16	0	Sambalpur.
4			2			18	4		S 49° W	S 86° W	2·5	1·5	+1·0	67	+10	60	0	·341	−·082	1·0	−1·1	0	1·61	− 1·61	0	1·26	− 1·26	3·32	1·50	+ 1·82	0	Chaibasa.
6	1		1	1	1	2	9	7	N 78° W	N 68° W	6·0§	5·8	+0·2	49	+14	33‖	?	·200‖	?	1·5	−0·6	1	2·10	− 1·10	0·17	1·36	− 1·19	2·92	1·74	+ 1·18	0·16	Ranchi.
4		2				2	12	3	N 72° W		3·4			63		52		·296		0·4		0	1·97	− 1·97	0·07	1·02	− 0·95	0·77	1·64	− 0·87	0·07	Purulia.
	2	1			5	5	5	7	S 79° W	S 87° W	7·1	7·2	−0·1	53	+ 9	51	− 6	·290	−·014	0·7	−1·9	1	1·84	− 0·84	0·50	0·75	− 0·25	2·06	1·44	+ 0·62	0·48	Hazaribagh.
27				1					S 45° E		2·9			4		72		·299		1·2		1	1·30	− 0·30	0·40	0·53	− 0·13	1·44	1·58	− 0·14	0·40	Daltonganj.
21		1				4		2	S 79° W	S 64° W	1·6	3·1	−1·5	14	− 6	81	− 3	·374	−·019	0·9	−0·6	1	1·13	− 0·13	0·15	0·56	− 0·41	0·25	1·13	− 0·88	0·15	Purnea.
17		1		1	1	3	5		S 63° W		2·5			25		52†		·311†		0·8		1	1·52	− 0·52	1·24	0·63	+ 0·56	1·26	1·30	− 0·04	1·24	Bhagalpur.
6			2	2	1	6	10	1	S 61° W		5·4			46		71		·406		0·9		1			0·46			0·56			0·41	Monghyr.
14		4	2	1		5	4		W	N 89° W	2·5	3·7	−1·2	2	−29	76	− 1	·371	−·021	0·9	−0·7	0	1·23	− 1·23	0·02	0·51	− 0·49	0·16	1·20	− 1·04	0·02	Darbhanga.
12		2	3	1	3	6	1		S 1° W		3·4			22		75		·338		1·0		0			0·02			0·15			0·02	Pusa.
15		1	3	1	2	4	2		S 5° W		3·4*			13		72		·346		0·5		1	1·27	− 0·27	0·12	0·47	− 0·35	0·43	1·33	− 0·90	0·12	Muzaffarpur.
12	1	3	4			1	4	3	N 11° W		2·0			18		81		·345		0·8		0	1·00	− 1·00	0	0·37	− 0·37	0·62	1·10	− 0·48	0	Motihari.
																73		·329		0·9		0	1·13	− 1·13	0·02	0·49	− 0·47	0·17	1·32	− 1·15	0·02	Chapra.
2			4		7	6	8	1	S 40° W	S 70° W	4·5	3·3	+1·2	49	+ 2	61	− 7	·339	−·032	0·9	−1·5	0	1·16	− 1·16	0·04	0·60	− 0·56	0·10	1·26	− 1·16	0·04	Patna.
9	1	2	1		1	10	4		S 56° W		2·7			39		57		·280		0·6		0	1·10	− 1·10	0·01	0·61	− 0·60	0·38	1·62	− 1·24	0·01	Arrah.
2		1	3	2	4	10	8		S 34° W		6·8			54		56		·274		1·3		0	1·39	− 1·39	0·01	0·52	− 0·51	0·97	1·50	− 0·53	0·01	Buxar.
5				1	2	19	1		S 41° W		2·0			75		58		·292		4·6		1	1·29	− 0·29	0·12	0·52	− 0·40	0·60	1·43	− 0·83	0·12	Dehri.
14		2		2	1	1	8		S 73° W	S 37° W	3·4	3·6	−0·2	25	−10	70	+ 2	·330	−·003	1·3	−1·0	1	1·39	− 0·39	0·55	0·63	− 0·08	0·77	1·39	− 0·62	0·55	Gaya.
																																IV.—United Provinces of Agra and Oudh.
13	1	3		2		2	5	2	N 68° W	N 73° W	1·8	2·2	−0·4	14	−25	69	− 4	·321	−·043	0·3	−1·6	0	1·30	−1·30	0	0·49	− 0·49	0·79	1·39	− 0·60	0	Gorakhpur.
10			1	2	3	10	1	1	S 31° W	S 52° W	2·9	3·9	−1·0	46	+12	57	−19	·295	−·083	0·8	−1·4	0	1·20	− 1·20	0·06	0·46	− 0·40	0·75	1·34	− 0·59	0·06	Benares.
6			3	1		5	11	2	S 77° W	S 81° W	3·6	4·5	−0·9	42	+18	53	−16	·255	−·106	1·6	−0·9	0	1·00	−1·00	0·05	0·47	− 0·42	1·40	1·47	− 0·07	0·05	Allahabad.

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

§ Mean of 23 days.

‖ Mean of 9 days.

* Uncorrected for scale error.

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. 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
	IV.—United Provinces of Agra and Oudh—*concld.*																						
10	Cawnpore	416	29·536	—·043	29·939	29·744	2nd	29·389	24th	·355	56·4	81·0	+2·2	47·7	—3·8	64·4	—0·8	33·3	86·7	24th	39·5	1st	47·2
	Lucknow	368	29·595	—·041	29·946	29·808	2nd	29·457	14th	·351	57·5	80·7	+1·9	50·2	—0·7	65·4	+0·6	30·5	86·0	24th&25th	42·1	2nd	43·9
	Bahraich	401	29·544	—·038	29·931	29·732	2nd	29·404	25th	·358	54·9	77·6	+0·9	49·5	-1·2	63·5	—0·1	28·1	81·1	16th&26th	43·5	27th	37·6
11	Jhansi	824	29·165	—·030	29·983	29·378	2nd	29·008	24th	·370	64·7	84·1	+2·9	56·5	+1·1	70·3	+2·0	27·6	94·5	24th	50·5	1st	44·0
	Agra	556	29·411	—·045	29·964	29·626	2nd	29·259	24th	·367	58·3	80·1	+1·5	51·9	—0·4	66·0	+0·5	28·2	89·0	25th	46·5	7th	42·5
	Mainpuri	516	29·442	—·031?	29·950	29·663	2nd	29·272	25th	·391	55·5	79·5	+2·7	48·2	—2·2	63·9	+0·3	31·3	86·8	24th	41·1	1st	45·7
	Bareilly	568	29·362	—·051	29·934	29·568	2nd	29·236	25th	·332	53·6	76·7	+1·7	48·4	—1·3	62·5	+0·2	28·3	81·3	25th	41·5	2nd	39·8
	Meerut	738	29·192	—·053	29·947	29·415	2nd	29·051	13th	·364	52·5	75·3	+0·8	47·4	—1·0	61·4	—0·1	27·9	82·1	25th	39·8	1st	42·3
	Roorkee	899	29·014	—·024	29·876	29·214	2nd	28·921	25th	·323	50·9	74·3	+1·2	45·2	—2·5	59·7	—0·7	29·1	80·0	25th	39·4	1st	40·6
	Dehra Dun	2,233	27·666	—·046	29·965	27·373	2nd	27·558	25th	·315	51·8	71·8	+2·6	46·0	—1·0	58·9	+0·8	25·8	78·0	24th	40·0	27th	38·0
	V.—Punjab.																						
12	Delhi	718	29·228	—·047	29·957	29·446	2nd	29·073	24th	·373	56·0	75·9	+2·1	51·8	0	64·3	+1·1	25·1	83·2	23rd&24th	46·7	27th	36·5
	Sirsa	662	29·287	—·050	29·961	29·509	2nd	29·057	24th	·452	53·2	77·0	+1·8	46·0	—0·8	61·5	+0·5	31·0	87·3	24th	39·0	1st & 26th	48·3
	Patiala	*818*	29·125		29·969	29·332	2nd	28·967	13th	·365	52·0	73·5		47·2		60·4		26·3	80·2	25th	39·4	1st	40·8
	Ambala	892	29·030	—·021	29·962	29·246	2nd	28·862	24th	·384	52·0	74·5	+3·0	46·4	—1·4	60·4	+0·8	28·1	80·5	10th	38·9	1st	41·6
	Ludhiana	812	29·131	—·035	29·973	29·355	2nd	28·919	24th	·436	51·2	72·3	+1·6	47·6	+0·1	60·2	+0·9	25·2	79·0	12th&24th	39·5	26th	39·5
	Lahore	702	29·215	—·052	29·974	29·491	2nd	29·021	13th	·470	48·8	73·5	+0·8	45·2	+1·1	59·4	+0·9	28·3	79·4	12th&13th	37·2	26th	42·2
	Sialkot	830	29·116	—·032	29·982	29·365	2nd	28·910	24th	·455	49·9	70·3	+0·7	43·6	—2·5	56·9	—0·9	26·7	77·0	24th	34·0	26th	43·0
	Rawalpindi	1,674	28·266	—·034	30·041	28·507	2nd	28·055	13th	·452	45·1	65·3	+0·5	40·3	—1·1	52·8	—0·3	25·0	74·4	11th	35·4	26th	39·0
13	Khushab	612	29·367	—·030	29·997	29·615	2nd	29·149	13th	·466	51·6	73·9	+5·2?	46·5	+0·4	60·2	+2·8?	27·4	82·4	10th	35·9	26th	46·5
	Montgomery	558	29·405	—·041	29·971	29·638	2nd	29·150	13th	·488	53·3	75·5	+2·7	46·4	0	60·9	+1·3	29·1	83·4	12th	35·6	26th	47·8
	Multan	420	29·573	—·047	29·989	29·826	2nd	29·349	23rd	·477	54·7	76·0	+2·3	49·6	+2·1	62·8	+2·2	26·4	81·8	11th&23rd	41·5	26th	40·3
	VI.—North-West Frontier Province.																						
15	Peshawar	1,110	28·875	—·054	30·055	29·128	2nd	28·658	24th	·470	46·5	66·2	+0·1	42·3	—0·3	54·2	—0·1	23·9	73·2	11th	33·9	26th	39·3
	D. I. Khan	590	29·399	—·061	29·986	29·642	2nd	29·172	13th	·470	50·0	73·6	+1·7	45·1	+0·2	59·4	+0·9	28·5	79·9	10th	38·1	26th	41·8
	VII.—Sind.																						
17	Jacobabad	186	29·789	—·071	29·949	30·026	4th	29·531	23rd	·495	57·7	81·6	+3·7	50·9	+2·4	66·3	+3·1	30·7	86·1	8th, 9th & 24th.	42·8	14th	43·3
	Hyderabad*	96	29·902	—·057	29·957	30·123	4th	29·741	2.rd	·382	60·8	84·1	+3·3	54·9	+0·5	69·5	+1·9	29·2	92·0	23rd	49·0	1st & 26th	43·0
	Karachi	13	30·000	—·045	29·964	30·199	4th	29·845	12th	·354	66·1	80·0	+2·2	62·5	+2·1	71·3	+2·1	17·5	85·5	5th	57·5	1st	28·0
	VIII.—Rajputana.																						
18	Bikaner	*771*	29·174	—·050	29·960	29·383	4th	28·975	24th	·408	56·5	80·5	+1·6	51·7	—1·8	66·1	+1·4	28·8	90·0	24th	44·0	1st	46·0
	Jodhpur	780	29·189	—·040	29·996	29·368	4th	29·025	13th	·343	59·3	83·9	+4·5	52·6	—0·7	68·3	+1·9	31·3	92·5	4th	41·3	15th	51·2
19	Jaipur	1,431	28·531	—·035	29·996	28·725	2nd	28·372	24th	·353	58·9	81·0	+2·4	51·6	—0·3	66·3	+1·1	29·4	89·7	24th	43·6	26th	46·1
	Sambhar	1,254	28·714	—·020	30·007	28·903	2nd	28·540	24th	·363	54·7	80·6	+3·2	47·8	—1·9	64·2	+0·7	32·8	90·4	24th	42·9	7th & 21st	47·5
	Ajmer	1,611	28·355	—·040	30·021	28·541	2nd	28·190	13th	·351	53·7	78·8	+1·0	50·8	+1·4	64·8	+1·2	28·0	85·9	24th	45·7	1st, 2nd & 18th.	41·2
	Kotah	819	29·143	—·043	30·001	29·326	2nd	28·979	13th& 24th.	·347	62·5	85·2	+4·1	55·9	+1·0	70·5	+2·5	29·3	96·0	24th	51·6	1st	44·4
	Udaipur	1,925	28·051	—·038	30·006	28·217	3rd	27·911	13th	·306	61·0	82·6	+4·1	50·3	—0·5	66·5	+1·8	32·3	90·0	24th	42·8	15th	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 stations, the elevations of which exceed 3,200 feet.

B—*continued.*

in India, etc., in February, 1910—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. 1909 to 28th Feby. 1910.	Normal rainfall for period, 1st Dec. 1909 to 28th Feby.	Departure from normal of period, 1st Dec. 1909 to 28th Feby. 1910.	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.*
7			1	2		7	8	3	S 72° W	N 81° W	3·9	3·9	0	49	+25	56	−11	·256	−·078	0·2	−1·7	0	1·00	−1·00	0	0·43	−0·43	1·32	1·33	−0·01	0	Cawnpore.
8	1	1	3			4	11		S 84° W	N 74° W	2·7	3·0	−0·3	36	+ 6	54	−18	·256	−·038	1·0	−1·8	0	1·20	−1·20	0	0·41	−0·41	1·21	1·78	−0·57	0	Lucknow.
9	1	1	5	1		1	7	3	N 54° W	N 68° W	2·8	3·2	−0·4	11	−20	70	− 8	·306	−·062	1·1	−1·9	0	1·60	−1·60	0·02	1·01	−0·99	1·04	2·27	−1·23	0·02	Bahraich.
15	2		1	1	3	3	2	1	S 45° W	S 81° W	3·5	2·5	+1·0	14	− 9	41	−12	·256	−·040	0·4	−1·3	0	0·80	−0·80	0	0·41	−0·41	1·11	1·27	−0·16	0	Jhansi.
8			1	7	2	2	7	1	S 23° W	N 53° W	5·0	4·3	+0·7	29	−10	54	−11	·266	−·044	1·2	−1·2	1	0·60	+0·40	0·16	0·29	−0·13	1·90	1·11	+0·79	0·16	Agra.
6	2		2	2	2	3	7	4	S 86° W	N 63° W	2·1	2·0	+0·1	32	+12	61	−11	·271	−·056	1·6	−2·2	0	0·70	−0·70	0·03	0·96	−0·93	1·05	2·03	−0·98	0·02	Mainpuri.
20			2				6		W	N 51° W	2·2	3·1	−0·9	14	−12	74	− 2	·307	−·017	2·1	−1·0	0	1·18	−1·18	0	0·74	−0·74	1·94	2·12	−0·18	0	Bareilly.
13			2			1	9	3	N 81° W	N 89° W	1·4	2·6	−1·2	36	+ 5	74	+ 1	·295	−·008	1·7	−1·4	1	1·50	−0·50	0·26	0·90	−0·64	3·42	2·73	+0·69	0·23	Meerut.
20				2				6	N 45° W	N 40° W	3·4	2·8	+0·6	14	+ 2	77	− 3	·236	−·022	2·1	−1·2	0	2·90	−2·90	0·17	1·32	−1·15	2·97	3·61	−0·64	0·07	Roorkee.
27		1							N 45° E	N 32° W	1·7†‡	1·7	0	4	0	64	−10	·249	−·032	3·3	−0·5	2	4·10	−2·10	0·98	2·21	−1·23	4·68	5·39	−0·71	0·75	Dehra Dun.
																																V.—Punjab.
2	3	1		3	1	1	12	5	N 76° W	N 86° W	4·5	3·5	+1·0	46	+13	60	− 5	·272	−·010	0·8	−2·9	1	1·40	−0·40	0·50	0·71	−0·21	2·91	2·47	+0·44	0·50	Delhi.
4	5	3	2	3	1	6	1	3	N 31° W	S 76° W	4·5	4·1	+0·4	7	+ 3	56	−17	·229	−·059	1·8	−2·3	0	1·10	−1·10	0·05	0·33	−0·28	1·60	1·48	+0·12	0·05	Sirsa.
	10	2	2	4	1		6	3	N 11° W		6·5			36		72		·281		2·5		2			0·53			2·89			0·45	Patiala.
6	4	1	1	4		1	1	10	N 27° W	N 39° W	6·1	2·3	+3·8	32	+ 7	74*	−10*	·283*	−·041*	2·7	−0·7	2	2·30	−0·30	1·01	2·41	−1·40	3·96	4·85	−0·89	0·80	Ambala.
11	1	1		5			3	7	N 50° W	N 52° W	3·0	1·9	+1·1	18	−10	71	− 7	·272	−·036	2·3	−2·2	0	2·40	−2·40	0·14	1·30	−1·16	3·39	3·92	−0·53	0·09	Ludhiana.
12	1	2	1	2			6	4	N 53° W	N 23° W	2·9	2·2	+0·7	25	+16	80	+ 2	·282	−·013	2·5	−1·1	0	2·20	−2·20	0·04	1·10	−1·06	4·01	2·60	+1·41	0·04	Lahore.
5	7	4	3	1	1		3	4	N 4° E	N 18° E	2·0	1·8	+0·2	39	+25	86	+ 7	·308	+·001	3·1	−0·1	2	3·50	−1·50	1·32	1·80	−0·48	6·60	4·83	+1·77	0·81	Sialkot.
22	3		1				1	1	N 11° W	N 45° W	3·1	2·3	+0·8	14	−10	81	− 1	·246	−·017	4·1	−0·2	3	4·40	−1·40	3·07	2·24	+0·83	10·98	5·72	+5·26	1·47	Rawalpindi.
16	1	3	2	1		3	2		N 67° E	N 29° E	4·1	3·3	+0·8	3	− 8	59	−11	·229	−·003	1·7	−1·6	1	1·80	−0·80	0·22	0·69	−0·47	1·71	2·05	−0·34	0·22	Khushab.
8	2	2	4	6	1	2		3	S 80° E	N 18° E	4·5	4·2	+0·3	21	+ 5	60§	− 9§	·244§	−·031§	1·8	−1·9	0	1·30	−1·30	0	0·67	−0·67	2·62	1·93	+0·76	0	Montgomery.
12	8	4		3				1	N 24° E	N 37° E	1·1	1·8	−0·7	36	+16	62	− 6	·264	−·040§	2·3	−1·0	0	1·20	−1·20	0	0·43	−0·43	1·46	1·07	+0·39	0	Multan.
																																VI.—North-West Frontier Province.
15			3	1	3	2	4		S 18° W	S 27° W	1·7	3·2	−1·5	21	−18	66	−10	·215	−·037	4·4	−0·1	3	2·90	+0·10	0·60	1·22	−0·62	6·90	3·15	+3·75	0·37	Peshawar.
12	2	7				2		5	N	N 22° W	1·7	1·9	−0·2	32	+ 8	68	− 3	·246	−·014	1·9	−1·4	0	2·00	−2·00	0	0·79	−0·79	1·42	1·44	−0·02	0	D. I. Khan.
																																VII.—Sind.
11	8	2					1	6	N 16° W	N 37° E	3·0	3·0	0	53	+33	46	−11	·219	−·030	1·5	−1·9	0	0·90	−0·90	0	0·34	−0·34	1·21	0·70	+0·51	0	Jacobabad.
10	6				3	3		5	N 52° W	N 21° W	5·5	6·9	−1·4	30	−10	66‡	+ 9‡	·359‡	+·057‡	3·1	+0·4	0	0·60	−0·60	0	0·22	−0·22	0·12	0·51	−0·39	0	Hyderabad.
14	4	8	2	1		2	2	5	N 7° E	N 39° E	8·3	9·8	−1·5	39	−20	68	− 7	·441	+·035	1·3	−0·3	0	0·80	−0·80	0	0·31	−0·31	1·09	1·10	−0·01	0	Karachi.
																																VIII.—Rajputana.
11	4	5	2	2	1	4	5	4	N 36° W	N 39° W	6·2	4·5	+1·7	25	+ 1	40	−13	·187	−·061	2·6	−0·7	0	0·80	−0·80	0	0·26	−0·26	1·01	0·82	+0·19	0	Bikaner.
9	5	5	1			1	1	1	N 14° E		3·6			32		37	− 7	·187		2·2		0	0·50	−0·50	0·03	0·11	−0·08	0·87	0·49	+0·38	0·03	Jodhpur.
11	1	5	5	1		1	2	2	N 48° E	N 2° W	3·9†	3·8	+0·1	29	− 2	47	−16	·231	−·046	1·6	−1·3	1	0·50	+0·50	0·18	0·17	+0·01	1·55	0·96	+0·59	0·18	Jaipur.
17	4	2	2	1		1		1	N 30° E	N 9° E	4·4	4·7	−0·3	21	− 7	66	+ 7	·285	+·025	1·5	−1·0	1	0·50	+0·50	0·19	0·18	+0·01	2·70	0·92	+1·78	0·19	Sambhar.
14						1	2	1	W	N 2° W	4·0	2·5	+1·5	12	+ 1	58	− 6	·241	−·043	1·8	−0·5	0	0·70	−0·70	0	0·24	−0·24	1·80	0·95	+0·85	0	Ajmer.
5							2	1	N 75° W		1·8			11		53*	+ 7*	·297*		1·3		0	0·50	−0·50	0	0·17	−0·17	0·95	0·71	+0·24	0	Kotah.
13							3	2	N 72° W		2·5			14		48	− 2	·257		1·6		0	0·30	−0·30	0	0·23	−0·23	0·23	0·42	−0·19	0	Udaipur.

* Mean of 27 days. § Mean of 24 days. † Uncorrected for scale error. ‡ Mean of 26 days.

Table

(2) *Abstract of observations taken at 8 hrs., at 240 station*

Number of subdivision.	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
	IX.—Bombay.																						
20	Deesa	466	29·509	−·044	29·955	29·631	6th	29·390	13th	·241	61·3	89·9	+3·4	52·9	−2·2	71·4	+0·6	37·0	95·8	5th	44·9	15th	50·9
	Bhuj	385	29·595	−·037	29·961	29·732	4th	29·491	13th	·241	64·3	87·1	+2·8	57·7	−0·4	72·4	+1·2	29·4	95·0	23rd	52·0	14th	43·0
	Jamnagar	61	29·959		29·960	30·060	4th	29·852	23rd	·228	66·5	85·8		55·0		70·4		30·6	90·4	4th	50·7	1st	39·7
	Dwarka	37?	29·976		29·960	30·100	4th	29·888	13th	·212	70·0	79·7		64·3		72·0		15·4	87·3	3rd	56·7	7th	30·6
	Rajkot	429	29·560	−·036	29·959	29·666	4th	29·436	23rd	·180	64·7	89·4	+2·2	53·2	−1·3	71·3	+0·5	36·2	95·9	24th	48·0	11th, 17th & 18th.	47·9
	Veraval	*18*	29·968	−·035	29·928	30·067	4th	29·889	23rd	·178	67·4	83·0	+1·5	61·4	+0·7	72·2	+1·1	21·6	94·1	6th	54·3	9th	39·8
	Bhavnagar Para	55	29·958	−·034	29·957	30·054	6th	29·872	23rd	·182	65·4	89·8	+4·0	57·6	−2·6	73·5	+0·7	32·2	96·1	24th	50·5	7th	45·6
	Surat	39	29·936	−·053	29·922	30·054	4th	29·855	23rd	·199	64·5	90·9	+1·2	59·1	+0·1	75·0	+0·7	31·8	97·6	23rd & 24th.	52·6	19th	45·0
	Ahmedabad	163	29·817	−·038	29·937	29·934	6th	29·725	13th	·209	65·4	90·7	+3·2	59·6	−0·7	75·1	+1·3	31·1	95·6	23rd & 24th.	54·2	15th	41·4
26	Bombay	37	29·932	−·049	29·910	30·043	4th	29·871	23rd	·177	72·4	86·3	+3·7	69·1	+0·4	77·7	+2·1	17·2	89·0	2nd, 4th & 8th.	65·0	18th	24·0
	Ratnagiri	110	29·833	−·049	29·835	29·950	4th	29·774	18th	·176	73·5	88·3	+2·4	66·1	−1·2	77·5	+0·6	22·7	97·3	1st & 8th.	60·9	19th & 20th.	36·4
	Goa ‡	199	?	?	?	?	?	?	?	?	74·0	85·4	−1·2?	69·4	−0·7	77·4	−0·9?	15·0	92·1	5th	65·1	19th & 20th.	27·0
	Mormugao	*60*	29·885	−·048	29·831	29·993	4th	29·799	18th	·194	73·7	86·4	+1·5	70·4	−0·8	78·4	+0·3	16·0	93·0	5th	66·7	20th	26·3
	Karwar	41	29·923†	−·035†	29·964†	30·013	3rd	29·841	18th	·172	68·9	87·2	+0·9	65·9	−1·4	76·5	−0·3	21·3	93·8	1st & 2nd.	61·0	6th & 20th.	32·8
27	Malegaon	1,430	28·522†	−·050†	29·962†	29·681	3rd	28·409	13th	·272	62·7	91·5	+1·5	51·2	−4·2	71·3	−1·3	40·3	97·4	24th	45·6	19th	51·8
	Ahmednagar	2,154	27·836	+·001?	29·953	27·974	4th	27·751	19th	·223	65·7	90·0	+1·9	54·2	−0·9	72·1	+0·5	35·3	95·4	25th	49·0	19th	46·4
	Poona	1,846	28·142	−·017?	30·001	28·232	2nd & 4th.	28·060	19th	·222	62·9	90·7	−0·6	53·4	−3·7?	72·0	−2·1?	37·3	95·0	24th & 28th.	47·8	19th	47·2
	Sholapur	1,590	28·367	−·040	29·913	28·509	3rd	28·270	18th	·239	69·7	92·9	−0·8	60·6	−1·6	76·7	−1·2	32·3	96·3	25th & 28th.	53·9	21st & 22nd.	39·4
	Bijapur	*1,948*	28·004	−·024	29·931	28·138	4th	27·930	18th	·208	70·0	92·5	+2·1	62·1	−2·1	77·3	0	30·4	96·2	21th	55·7	10th	40·5
	Belgaum	2,539	27·414	−·036	29·914	27·533	4th	27·326	19th	·207	70·2	88·9	+0·3	58·8	−0·8	73·9	−0·3	30·1	93·3	24th	53·5	9th	39·8
	X.—Central India.																						
21	Neemuch	1,624	28·335	−·037	29·998	28·489	4th	28·207	24th	·282	57·9	83·7	+2·5	50·6	−1·5	67·2	+0·5	33·1	91·0	24th	41·3	7th & 15th.	46·2
	Indore	1,823	28·157	−·011?	29·997	28·301	3rd	28·050	13th	·254	63·8	84·7	+1·4	51·8	−0·3	68·2	+0·5	32·9	90·6	24th	45·1	7th	45·5
22	Nowgong	754	29·214	−·045	29·974	29·418	2nd	29·062	24th	·356	56·5	92·6	+2·3	49·0	−2·1	65·8	+0·1	33·6	92·5	25th	42·0	1st	50·5
	Sutna	1,040	28·913	−·042	29·958	29·109	2nd	28·782	14th	·327	59·4	82·8	+3·2	51·7	−0·6	67·2	+1·3	31·1	93·0	25th	46·7	1st, 3rd & 11th.	46·3
	XI.—Central Provinces.																						
23	Buldana	2,132	27·845		29·959	27·988	3rd	27·741	13th	·247	70·0	86·0		62·2		71·1		23·8	91·0	24th	56·8	19th	34·2
	Akola	930	29·049	−·016	29·975	29·206	3rd	28·922	18th	·284	63·4	91·4	+0·7	53·3	−4·2	72·4	−1·7	38·1	96·5	25th	48·1	19th & 22nd.	48·4
	Amraoti	1,215	28·746	−·020	29·952	28·922	3rd	28·626	18th	·296	67·3	91·0	0	60·1	−1·6?	75·1	−0·8?	30·0	95·8	25th	56·8	4th & 7th.	39·0
24	Khandwa	1,044	28·920	−·035	29·977	29·088	3rd	28·771	14th	·317	59·3	90·3	+1·5	53·3	−2·6	71·8	−0·5	37·0	97·2	24th	46·1	19th	51·1
	Hoshangabad	1,006	28·973	−·029	29·992	29·129	2nd	28·848	18th	·281	59·4	86·6	+1·2	52·0	−4·0	69·3	−1·4	34·6	93·6	25th	44·9	7th	48·7
	Saugor	1,807	28·141‡	−·034‡	29·960‡	28·313	3rd	28·033	18th	·280	64·7	83·0	+1·7	57·0	+1·6	70·1	+1·7	26·0	91·1	24th	51·5	19th	39·6
	Jubbulpore	1,327	28·629	−·035	29·986	28·828	3rd	28·487	18th	·341	56·2	83·4‖	+0·5‖	49·3	−3·1	66·6‖	−1·3	34·1	92·3	25th	43·3	7th & 8th.	49·0
	Seoni	2,033	27·928	−·029	29·983	28·118	3rd	27·787	18th	·331	61·6	84·6	+0·8	48·3?	−7·1?	66·4?	−3·1?	35·3?	91·0	25th	44·0	27th	47·0
	Nagpur	1,017	28·946	−·027	29·953	29·130	3rd	28·800	18th	·330	65·2	89·3	0	55·4	−4·6	72·4	−2·3	33·9	96·1	25th	51·3	11th	44·8
25	Pendra	2,123?	27·919		29·967	28·112	3rd	27·792	25th	·320	63·6	82·5		55·0		68·8		27·5	89·8	25th	50·2	1st & 9th.	39·6
	Raipur	970	28·992	−·033	29·952	29·186	3rd	28·847	18th	·339	64·7	86·9	−0·5	58·5	−2·0	72·7	−1·3	28·4	91·7	25th	53·6	1st	38·1
	Chanda	*634*	29·322	−·042	29·929	29·513	3rd	29·169	18th	·344	64·1	90·8	−1·0	54·4	−4·8	72·6	−2·9	36·4	96·5	25th	49·0	8th	47·5
	Jagdalpur		28·159			28·370	4th	28·015	18th	·355	64·1	85·0		56·3		70·7		28·7	88·7	26th	50·1	1st	38·6

N.B.—Elevations in italics indicate barometrical determinations. ‡ Mean of 27 days. NOTE 2.—The barometric readings are not reduced to sea-level, in the
† Mean of 26 days. § Mean of 25 days. ‖ Mean of 22 days.

B—*continued.*

in India, etc., in February, 1910—continued.

Wind direction. Number of winds from: Calm (25)	N. (26)	N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction (34)	Normal direction (35)	Wind velocity. Mean velocity, miles per hour (36)	Normal (37)	Departure from normal (38)	Wind steadiness. Actual percentage (39)	Departure from normal (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal (42)	Mean vapour tension at 8 hrs., in inches of mercury (43)	Departure from normal, in inches of mercury (44)	Cloud. Mean cloud amount at 8 hrs. (45)	Departure from normal (46)	Rainfall. Number of rainy days (47)	Normal number of rainy days (48)	Departure from normal (49)	Rainfall of month (50)	Normal rainfall of month (51)	Departure from normal (52)	Total rainfall from 1st Decr. 1909 to 28th Feby. 1910 (53)	Normal rainfall for period, 1st Dec. to 28th Feby. (54)	Departure from normal of period, 1st Dec. 1909 to 28th Feby. 1910 (55)	Heaviest rainfall during month (56)	Station (57)
																																IX.—Bombay.
7	11	1						9	N 17° W	N 30° E	5·7*	8·6	−2·9	67	−31	35	−8	·193	−·039	1·5	−0·5	0	0·27	−0·27	0	0·07	−0·07	0·05	0·28	−0·23	0	Deesa.
14	1	1				4	5	3	N 81° W	N 63° W	5·9	7·3	−1·4	3[illegible]	−3	56‡	−3‡	·322‡	−·062‡	2·5	+1·2	0	0·30	−0·30	0	0·09	−0·09	0	0·23	−0·23	0	Bhuj.
3	1	7	5	1	2	6	2	1	S 85° E		9·0			13		68		·450		0·2		0			0			0·59			0	Jamnagar.
2	8	3				2	3	10	N 30° W		11·0			60		74		·519		1·4		0			0			0·56			0	Dwarka.
6	2	5	6	3	1	2	3		N 82° E	N 2° W	6·3	6·1	+0·2	55	−6	50	−9	·290	−·069	1·2	+0·2	0	0·30	−0·30	0	0·09	−0·09	0·59	0·17	+0·42	0	Rajkot.
6	7	8	2					5	N 14° E	N 7° E	7·5	7·1	+0·4	55	−12	60	+1	·203	+·002	1·3	+0·1	0	0·10	−0·10	0	0·01	−0·01	0·45	0·10	+0·35	0	Veraval.
3	3	2			1	1	10	8	N 61° W	S 85° W	5·0	8·1	−3·1	61	−4	47	−15	·294	−·101	1·5	+0·4	0	0·20	−0·20	0	0·07	−0·07	1·03	0·21	+0·82	0	Bhavnagar
8	9	3	5				2	1	N 20° E	N 27° W	2·9	5·0	−2·1	46	+3	54	−11	·332	−·105	1·1	0	0	0·10	−0·10	0	0·08	−0·08	0·42	0·14	+0·28	0	Para. Surat.
5	4	12	1	2		1		3	N 33° E	N 11° E	4·3*	4·0	+0·3	53	−5	39	−11	·244	−·077	1·0	−0·4	0	0·30	−0·30	0	0·14	−0·14	0·10	0·24	−0·14	0	Ahmedabad.
	2	12	14						N 65° E	N 47° E	8·6	10·4	−1·6	85	+14	68	−3	·545	−·031	1·2	0	0	0·10	−0·10	0	0·02	−0·02	0	0·18	−0·18	0	Bombay.
4	5	3	14	1	1				N 72° E	N 73° E	9·8	8·2	+1·6	69	+20	50‡	−6‡	·180‡	−·050‡	0·6	−0·1	0	0·10	−0·10	0	0·03	−0·03	0	0·23	−0·23	0	Ratnagiri.
	1	8	15	1	1	1			N 78° E	N 67° E	6·5§*	5·0	+0·6	78	+1	73	−1	·618	−·023	1·4	+0·8	0			0	0·06	−0·06	0	0·31	−0·31	0	Goa.
2	5	3	16	2					N 73° E	N 80° E	8·2*	9·3	−1·1	70	+22	81	−1	·673	−·013	1·3	+0·7	0			0	0·05	−0·05	0	0·05	−0·05	0	Mormugao.
8	2	17						1	N 37° E	N 55° E	4·1	4·1	0	67	−16	80	−4	·570	−·043	1·2	+0·7	0	0	0	0	0·02	−0·02	0	0·18	−0·18	0	Karwar.
9		4	2	3	1	4	4	1	S 15° W	N 63° W	5·1	6·1	−1·0	7	−64	27	−30	·160	−·193	0·2	−1·1	0	0·10	−0·10	0	0·03	−0·03	0·32	0·40	−0·08	0	Malegaon.
10	4	1			4			9	N 39° W	N 13° W	5·5*	8·3	−2·8	32	−3	27	−32	·173	−·200	0·3	−0·6	0	0·30	−0·30	0	0·40	−0·40	0·02	0·91	−0·89	0	Ahmednagar.
4	4	2	3		4	6	5		N 52° W	N 76° W	4·2	7·1	−2·9	36	+20	41	−11	·225	−·032	0·4	−0·4	0	0·10	−0·10	0	0·06	−0·06	0	0·29	−0·29	0	Poona.
4	1	4	3	4	2	3	7		N 9° W	N 72° E	6·9	7·5	−0·6	13	+2	26	−12	·203	−·107	0·5	−0·3	0	0·10	−0·10	0	0·03	−0·03	0·63	0·53	+0·10	0	Sholapur.
3	6	1	2	5	4	1		6	N 26° E	N 79° W	5·1	4·3	+0·3	11	−11	34	−22	·251	−·182‡	0	−1·0	0	0·20	−0·20	0	0·07	−0·07	0·03	0·10	−0·07	0	Bijapur.
5	3	2	6	3		3	3	3	N 45° E	N 68° E	10·2*	9·7	+0·5	11	−13	42‡	−6‡	·308‡	−·038‡	0·3	−0·2	0	0·10	−0·10	0	0·03	−0·03	0	0·19	−0·19	0	Belgaum.
																																X.—Central India.
3	9	7	3	1	1	1	2	1	N 23° E	N 30° E	5·1	7·0	−1·9	46	+15	33	−15	·160	−·193	1·4	+0·1	0	0·50	−0·50	0	0·17	−0·17	0·08	0·66	−0·58	0	Neemuch.
10	1	5	2	3	4	3			S 77° E	N 29° W	2·5	2·8	−0·3	7	−5	37	−15	·228	−·066	1·2	−0·1	0	0·50	−0·50	0	0·13	−0·13	2·11	0·51	+1·60	0	Indore.
12	2	1	3		3	3	4		S 45° W	N 85° W	2·0	2·0	0	11	−8	53	−14	·251	−·032	1·5	−1·0	0	1·00	−1·00	0	0·48	−0·48	1·43	1·74	−0·31	0	Nowgong.
1					2	9	6		N 79° W	N 30° W	2·6	4·8	−2·2	53	+18	39	−20	·198	−·110	1·9	+0·2	1	1·50	−0·50	0·12	0·65	−0·53	1·41	2·00	−0·59	0·12	Sutna.
																																XI—Central Provinces.
	2	2	3	5	4	2	5	5	S 45° W		5·2	6·4	−1·2	11		22		·157		1·1		0			0	0·30	−0·30	2·50	1·11	+1·39	0	Buldana.
6	1	1	6	4	2	1	4	3	S 57° E	S 34° E	3·4	4·3	−0·9	11	+3	31	−14	·193	−·091	1·6	+0·1	0	0·30	−0·30	0	0·17	−0·17	5·47	1·25	+4·22	0	Akola.
2	1	9	10			3	2	1	N 63° E	S 83° E	6·5	4·8	+1·7	46	+14	37	−12	·249	−·100	0·9	−0·4	0	0·60	−0·60	0	0·21	−0·21	4·31	1·13	+3·18	0	Amraoti.
2		3		1	2		3	7	N 50° W	N 18° W	4·8	4·1	+0·7	25	+1	36†	−10†	·184†	−·085†	1·1	−0·1	0	0·30	−0·30	0	0·05	−0·05	0·60	0·74	−0·14	0	Khandwa.
6		3	8	1					N 83° E	N 60° E	2·3	2·9	−0·6	39	−1	42	−16	·215	−·108	1·1	−0·3	0	0·50	−0·50	0	0·27	−0·27	1·62	1·06	+0·56	0	Hoshangabad
4		7	3	5	3	4	2		S 56° E	S 72° E	4·9	3·7	+1·2	29	−2	28	−24	·171	−·109	0·7	−0·7	0	0·80	−0·80	0	0·41	−0·41	0·73	1·75	−1·02	0	Saugor.
5	3	1		8	9	1		1	S 24° E	S 63° E	1·7	2·4	−0·7	42	+22	58‡	−8‡	·267‡	−·080‡	0·6	−1·5	0	1·10	−1·10	0	0·56	−0·56	1·69	1·61	+0·08	0	Jubbulpore.
6	1	8	6		1	3	1	2	N 55° E	N 31° E	3·9	2·9	+1·0	29	−7	42	−20	·229	−·138?	0·8	−1·4	0	1·50	−1·50	0	0·88	−0·88	4·25	1·93	+2·32	0	Seoni.
9	10	1	1				3	4	N 17° W	N 18° E	2·8	4·4	−1·6	49	+13	42	−10	·266	−·094	1·0	−0·8	0	0·90	−0·90	0	0·38	−0·38	5·04	1·29	+3·75	0	Nagpur.
1	7	1			1	2		6	N 27° W		5·2			36		32		·188		1·0		0			0·06			1·45			0·04	Pendra.
4	2	1	2		1	4		4	N 58° W	N 4° W	2·7	4·0	−1·3	11	−1	42	−11	·258	−·097	0·6	−1·5	0	0·70	−0·70	0	0·35	−0·35	2·70	0·80	+1·90	0	Raipur.
9	2		2	2			3		N 26° E	N 76° E	2·6	2·7	−0·1	11	−9	48	−12	·291	−·128	0·3	−1·0	0	0·60	−0·60	0	0·49	−0·49	1·03	1·13	−0·10	0	Chanda.
2	5	4	2	2	1		2		N 36° E					32		67		·408		0·7		0			0						0	Jagdalpur.

ses of hill or plateau stations, the elevations of which exceed 3,000 feet.

* Uncorrected for scale error.

Tabl

(2) *Abstract of observations taken at 8 hrs., at 240 station*

Number of subdivision.	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 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	26·080*	—·044*	29·979*	28·230	3rd	27·936	18th	·244	68·3	89·7	+0·9	55·9	—2·1	72·8	—0·6	33·8	94·2	25th	51·2	27th	43·0
	Nizamabad	1,248	28·701	—·045	29·936	28·863	3rd & 4th.	28·530	18th	·263	68·7	92·4	+2·0?	56·4	—4·9	74·4	—1·5?	36·0	96·9	26th	50·7	1st & 4th.	46·2
	Bidar	*2,165*	27·729?		29·849?	27·845	2nd	27·594	5th	·251	74·5	90·0		61·7		75·8		28·3	94·1	25th	56·8	2nd	37·3
29	Gulbarga	1,503	28·457	—·023	29·937	28·608	4th	28·347	18th	·261	72·1	93·4	+0·8	62·4	—1·9	77·9	—0·5	31·0	98·0	28th	58·3	4 days	39·7
	Raichur	*1,311*	28·612?	—·045?	29·892?	28·773	4th	28·511	19th	·252	73·5	92·7	—0·1	66·7	—1·5	79·7	—0·8	26·0	97·1	19th & 27th.	58·1	4th	39·0
	Hyderabad (Deccan).	1,690	28·268	—·019?	29·951	28·442	3rd	28·157	19th	·285	67·4	91·1	—0·2	61·4	—2·0	76·2	—1·1	29·7	94·8	28th	56·2	14th	38·6
	Hanumkonda	871	29·089	—·035	29·928	29·267	3rd	28·931	18th	·286	71·9	91·3	+1·3	64·9	—1·4	78·1	—0·1	26·4	95·0	25th & 26th.	60·2	8th & 22nd.	34·8
	XIII.—Mysore.																						
30	Chitaldroog	2,405	27·557	—·033	29·913	27·686	4th	27·477	19th	·209	72·8	89·7	+0·4	65·3	—0·6	77·5	—0·1	24·4	94·1	4 days	58·4	4th	35·7
	Hassan	3,149	26·860	—·019?	29·951	26·982	4th	26·783	19th	·199	68·2	86·3	0	58·2	+0·5	72·2	+0·3	28·1	92·1	21st	52·5	13th	39·6
	Bangalore	3,021	26·971	—·045	29·945	27·096	4th	26·887	19th	·209	67·3	87·0	+1·2	59·7	+0·1	73·4	+0·7	27·3	91·8	21st & 22nd.	52·8	5th, 7th & 13th	39·0
	Mysore	2,518	27·465	—·027	29·945	27·589	4th	27·380	18th	·209	69·9	88·5	—0·3	62·2	—0·7	75·3	—0·5	26·3	94·0	22nd	54·0	5th	40·0
	XIV—Madras.																						
31	Mangalore	65	29·879	—·058	29·877	29·978	4th	29·800	18th	·178	77·2	89·7	+0·3	69·4	—1·8	79·6	—0·7	20·3	97·3	6th	64·8	6th & 7th.	32·5
	Calicut	27	29·919	—·050	29·875	30·000	4th	29·842	19th	·158	77·0	87·9	—0·8	72·8*	+0·2	80·3*	—0·3	15·1	89·8	1st	66·6	7th	23·2
	Cochin	9	29·940	—·042	29·877	30·028	4th	29·873	18th	·155	77·2	90·7	+0·6	73·8	+0·1	82·3	+0·5	16·9	95·2	4th	68·2	9th	27·0
	Trivandrum	198	29·738	—·026	29·869	29·803	4th	29·665	18th	·138	76·6	85·6	+0·6	73·7	+0·7	79·7	+0·7	11·9	87·0	4 days	69·0	8th & 9th.	18·0
32	Tinnevelly	162	29·808	—·026	29·908	29·934	4th	29·710	18th	·224	77·4	92·6	+0·6	70·8	—1·9	81·7	—0·7	21·8	97·2	22nd & 27th.	65·9	28th	31·3
	Pamban	37	29·913	—·049	29·877	30·023	4th	29·819	18th	·204	77·5	84·2	—0·7	73·4	—1·5	78·8	—1·1	10·8	86·2	25th & 28th.	72·0	1st, 2nd & 3rd.	14·2
	Madura	447	29·531	—·033	29·921	29·655	4th	29·441	19th	·214	75·7	91·7	—0·3	68·4	—1·1	80·1	—0·7	23·3	95·4	17th	63·1	7th	32·3
	Pudukkottai	318	29·657		29·913	29·788	4th	29·550	18th	·238	75·0	90·9		69·6		80·3		21·3	95·9	16th	64·4	5th	31·5
	Negapatam	31	29·928	—·053	29·888	30·055	4th	29·828	19th	·227	78·1	84·5	+0·1	73·0	+0·9	78·7	+0·5	11·5	89·0	22nd	68·0	7th	21·0
	Trichinopoly	255	29·724	—·045	29·917	29·854	4th	29·623	18th	·231	76·3	92·5	+0·2	69·1	+0·7	80·8	+0·5	23·4	98·1	21st	63·3	7th	34·8
	Coimbatore	1,341	28·623	—·047	29·933	28·767	4th	28·525	19th	·242	72·9	91·5	—0·5	63·8	—1·7	77·7	—1·1	27·7	97·4	27th	55·3	7th	42·1
	Salem	940	29·057	—·045	29·956	29·182	4th	28·950	19th	·232	73·9	92·9	—0·7	66·1	+0·6	79·5	—0·1	26·8	98·0	18th	59·4	7th	38·6
	Cuddalore	37	29·933	—·037	29·901	30·078	4th	29·825	19th	·253	74·9	85·4	+1·0	69·4	+0·5	77·9	+0·7	17·0	90·1	16th	64·7	7th, 8th & 13th.	25·4
	Vellore*	707	29·268		29·936	29·423	4th	29·139	19th	·284	70·5	90·2		64·0		77·1		26·2	96·7	22nd	57·0	6th & 13th.	39·7
	Madras	22	29·954	—·051	29·907	30·101	4th	29·843	19th	·258	75·5	87·3	+0·4	69·0	+1·0	78·2	+0·7	18·3	91·0	22nd	62·5	9th	28·5
33	Cuddapah	433	29·526	—·037	29·905	29·694	4th	29·397	19th	·297	75·9	96·2	+1·1	68·3	—0·8	82·3	+0·1	27·9	102·2	27th	60·6	6th	41·6
	Bellary	1,475	28·477	—·038	29·924	28·631	4th	28·375	19th	·256	72·5	95·1	+0·9	66·0	+0·6	80·6	+0·7	29·1	101·0	26th	59·3	5th & 7th.	41·7
	Kurnool	923	29·025	—·039	29·920	29·184	4th	28·907	19th	·277	69·1	94·6	+0·1	63·5	—1·3	79·1	—0·6	31·1	98·7	26th & 28th.	55·1	5th	43·6
34	Nellore	66	29·907	—·031	29·908	30·066	4th	29·779	19th	·287	73·9	90·1	—0·5	68·9	—0·2	79·5	—0·3	21·2	97·6	27th	63·6	5th	34·0
	Masulipatam	15	29·974	—·035	29·924	30·135	3rd	29·840	19th	·295	74·2	87·1	+0·2	67·2	—1·1	77·2	—0·5	19·9	92·3	26th	62·2	7th	30·1
	Cocanada	26	29·960	—·037	29·922	30·123	3rd	29·833	19th	·290	72·7	85·2	—0·6	68·4	—1·2	76·8	—0·9	16·8	94·7	27th	63·0	5th	31·7
	Waltair (Vizagapatam).	*226*	29·753	—·045	29·925	29·936	2nd	29·624	19th	·312	74·0	82·6		70·1		76·3		12·5	88·6	27th	65·4	1st	23·2
	Calingapatam	19	29·964		29·923	30·154	2nd	29·830	19th	·324													
	Gopalpur	72	29·901	—·032	29·917	30·098	2nd	29·758	19th	·340	70·1	84·0	+0·5	65·3	—2·6	74·6	—1·1	18·7	90·7	27th	60·5	1st & 14th.	30·2

* Mean of 27 days.

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

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

B—*continued.*

in India, etc., in February, 1910—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., 1909 to 28th Feby. 1910.	Normal rainfall for period, 1st Dec., to 28th Feby.	Departure from normal of period, 1st Dec. 1909 to 28th Feby. 1910.	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		6	8	1	1			1	N 75° E		7·6			42		29	−11	·198		1·2		0	0·20	−0·20	0	0·17	− 0·17	1·00	0·76	+0·24	0	Aurangabad.
9	2	1	1	1	5	2	3	4	S 71° W		3·4			18		41	−16	·286		0·4		0	0·40	−0·40	0	0·42	− 0·42	0·03	0·65	−0·62	0	Nizamabad.
3	1	7	3	7	2	4	1		S 66° E		5·2			36		36		·302		0·1		0	0·40	−0·40	0	0·18	− 0·18	0·03	0·72	− 0·69	0	Bidar.
3	1	12	8	1	3				N 72° E	N 89° E	7·1	7·7	−0·6	63	+37	42	−7	·329	−·064	0·4	−0·5	0	0·40	−0·40	0	0·29	− 0·29	0·02	0·36	− 0·34	0	Gulbarga.
2	1	3	4	13	2	4	1	1	S 47° E	S 23° E	6·9	7·0	−0·1	42	+11	37*	−15*	·301*	−·137*	1·3	+0·3	0	0·20	−0·20	0	0·24	−0·24	0	0·24	− 0·24	0	Raichur.
8									(a)	S 68° E	2·6	4·1	−1·5			55	−12	·363	−·132	1·0	−0·4	0			0	0·15	− 0·15	0	0·38	− 0·38	0	Hyderabad (Deccan).
9				14	4			1	S 35° E		5·3			56		58*	−11*	·453*		1·8		0	0·60	−0·60	0	0·26	− 0·26	0	0·78	− 0·78	0	Hanumkonda
																																XIII.—Mysore.
9			4	8	1	2	3	1	S 32° E	S 6° E	5·6	6·3	−0·7	32	+16	49	− 2	·405	−·019	2·3	+0·8	0	0·10	−0·10	0	0·07	− 0·07	0·27	0·17	+ 0·10	0	Chitaldroog.
9	2	6	7	3				1	N 69° E	S 72° E	5·0	2·8	+2·2	50	− 1	62	− 5	·429	−·050	1·7	−0·7	1	0·10	+0·90	0·19	0·06	+ 0·13	1·70	0·24	+ 1·46	0·19	Hassan.
1		2	14	4	2	3	2		S 72° E	S 62° E	7·3	5·0	+2·3	53	− 2	64	− 6	·435	−·043	1·5	−0·2	0	0·20	−0·20	0	0·09	− 0·09	0	0·71	− 0·71	0	Bangalore.
6		4	5	4	1	4	3	1	S 53° E	S 89° E	7·7	7·9	−0·2	18	− 4	71	+ 3	·526	+·018	2·4	+0·2	1	0·30	+0·70	0·17	0·22	− 0·05	0·68	0·39	+ 0·29	0·17	Mysore.
																																XIV.—Madras.
2		7	18	1					N 80° E	N 76° E	†5·3	2·9	+2·4	85	+18	70	− 7	·666	−·039	1·6	−0·1	0	0·10	−0·10	0	0·03	− 0·03	0	0·53	−0·53	0	Mangalore.
5	3	4	11	5					N 82° E	N 69° E	6·3	9·8	−3·5	60	− 7	79	+ 1	·740	+·005	0·7	−1·3	0	0·40	−0·40	0·01	0·15	− 0·14	1·92	1·31	+ 0·61	0·01	Calicut.
3	1	12	11	1					N 67° E	N 41° E	†6·6	5·5	+1·1	78	+ 7	69	− 6	·655	−·086	1·9	+0·3	2	1·70	+0·30	1·39	0·67	+ 0·52	1·84	3·07	−1·23	1·18	Cochin.
4	1	7						6	N 4° E	N 55° E	†3·7	4·7	−1·0	36	−11	73	− 5	·673	−·050	3·3	+0·7	0	1·10	−1·10	0·08	0·64	− 0·56	1·82	3·51	− 1·69	0·04	Trivandrum.
6	6	4				2	10		N 22° W	N 17° W	4·7	4·9	−0·2	60	−16	69	− 8	·655	−·057	3·1	+0·8	1	1·80	−0·80	0·27	1·48	− 1·21	5·86	6·25	− 0·39	0·27	Tinnevelly.
4	4	12	4	4					N 58° E	N 56° E	9·2	9·0	+0·2	63	−12	84	− 5	·790		4·0		3	0·50	+2·50	3·02	0·73	+ 2·29	12·36	12·37	−0·01	2·05	Pamban.
	9	8	2				3	6	N 1° E	N 14° E	6·9	4·5	+2·4	67	+ 4	76	+ 1	·672	−·015	4·8	+2·8	2	0·90	+1·10	0·45	0·51	− 0·06	2·57	2·62	−0·05	0·27	Madura.
3	8	9	1		1	1		5	N 11° E		8·4			57		82		·710		4·4		2			0·74			3·30			0·38	Pudukkottai.
	1	8		3		1		15	N 14° W	N 18° E	12·3	6·4	+5·9	53	+13	74	− 6	·729	−·025	4·9	+0·5	2	0·80	+1·20	1·63	0·58	+1·05	4·80	14·74	−9·94	1·37	Negapatam.
9	8	1	2				2	6	N 15° W	N 27° E	†3·9	3·9	0	49	+13	73	− 5	·658	−·027	3·1	+0·4	2	0·50	+1·50	1·37	0·79	+0·58	1·45	3·82	−2·37	1·00	Trichinopoly.
3	1	8	1						N 45° E	N 63° E	5·2	2·9	+2·3	36	−27	75	− 8	·614	−·048	3·9	+1·4	1	0·80	+0·20	0·39	0·46	− 0·07	0·73	1·75	− 1·02	0·29	Coimbatore.
3		6	8				1		N 70° E	N 53° E	4·0	5·3	−1·3	42	−13	80	+ 6	·675	+·041	2·7	+1·1	2	0·50	+1·50	0·93	0·33	+ 0·60	0·93	1·82	− 0·89	0·66	Salem.
6	6	2			1	1	3	9	N 26° W	N 60° W	6·9	2·2	+4·7	53	+ 2	83	− 6	·724	+·056P	4·1	+0·6	1	0·70	+0·30	1·12	0·71	+ 0·41	2·39	9·70	− 7·31	0·96	Cuddalore.
1	1			1				1	N		†4·0			4		75		·573		2·1		0	0·50	−0·50	0	0·13	−0·13	0·10	3·50	− 3·40	0	Vellore.
	7	3			11	2	2	3	S 70° W	S 34° W	†5·5	5·0	+0·5	11	− 5	82	0	·733	−·009	2·7	0	0	0·60	−0·60	0	0·23	− 0·23	1·09	6·77	− 5·68	0	Madras.
	1	4	5	10	2	5		1	S 53° E	S 72° E				49	−14	67	+ 1	·606	−·008	2·3	+1·4	0	0·20	−0·20	0	0·07	− 0·07	0	1·37	− 1·37	0	Cuddapah.
1	1		1	4	3	1	4	3	S 42° W	S 11° E	3·2	4·0	−0·8	14	− 6	36	−20	·288	−·180	0·5	−1·0	0	0·10	−0·10	0	0·02	− 0·02	0	0·22	− 0·22	0	Bellary.
5	1		3	3	1	1	2	2	S 38° E	S 58° E	†4·5			4	− 4	50	− 8	·349	−·129	0·9	+0·1	0	0·10	−0·10	0	0·02	− 0·02	0	0·21	− 0·21	0	Kurnool.
0	3			3	4	2	2	4	S 67° W	S 14° E	†4·7	4·6	+0·1	14	− 2	82	− 3	·687	−·055	3·4	+0·9	0	0·30	−0·30	0	0·10	− 0·10	0·04	2·29	− 2·25	0	Nellore.
9	8	4	1	5	1				N 49° E	N 41° E	5·5	4·7	+0·8	32	+ 8	86	0	·729	−·019	1·6	−1·0	1	0·30	+0·70	0·22	0·22	0	0·22	1·07	− 0·85	0·22	Masulipatam.
5	12	5						6	N 2° W	N 17° W	6·5	7·2	−0·7	70	+ 3	84	+10	·683	+·045	4·7	+2·5	0	0·50	−0·50	0	0·37	− 0·37	3·89	1·28	+ 2·61	0	Cocanada.
3	4	2	1			5	11	2	N 76° W	N 86° W	6·3			49	−14	74	+ 3	·631	−·017	2·9	+0·9	0	0·50	−0·50	0	0·17	− 0·17	9·53	2·13	+ 7·40	0	Waltair. (Vizagapatam).
	6					5	17		N 43° W		5·6			86						0·9		2			0·40			13·11			0·26	Calingapatam.
	12				1	2		13	N 29° W	N 37° W	16·8	10·9	−0·1	78	+16	77	− 1	·573	−·041	0·7	−1·7	0	0·90	−0·90	0	0·48	− 0·48	6·45	1·35	+ 5·10	0	Gopalpur.

ations, the elevations of which exceed 3,100 feet. (a) Indeterminate. † Uncorrected for scale error.

Tabl

(2) *Abstract of observations taken at 8 hrs., at 240 station*

Number of subdivisions.	Station.	Elevation of barcistern 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 ranges 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
	Bay Islands.																						
1	P. V. Fraser	8	29·993		29·917	30·180	2nd, & 3rd.	29·855	19th	·325	74·5												
	Car Nicobar	25	29·826		29·778	29·890	5th	29·788	6th	·102	79·0	85·7		76·4		81·1		9·3	87·9	22nd	73·2	26th	
	Port Blair	58	29·874	—·057	29·862	29·997	2nd	29·815	10th	·182	78·8	86·7†	—1·4†	76·1	+1·2	81·4†	—0·1	10·6	89·2	22nd	73·5	9th, 25th & 28th.	14·7
	Slipper Island	90	29·856		29·880	29·999	3rd	29·787	9th	·212	79·1	83·7		75·7		79·7		8·0	87·1	4 days	73·1	26th	15·7
	Kashmir.																						14·0
	Muzaffarabad		27·508		30·089	27·659	1st & 9th.	27·354	24th	·305	49·5	57·0		48·5		52·7		8·5	61·1	11th	42·6	26th	18·5
14	Srinagar	5,204	24·921	—·033	24·892	25·254	3rd	24·644	25th	·610	33·7	43·6	+1·3	31·6	+4·3	37·6	+2·8	12·0	52·1	12th	27·6	4 days.	24·5
	Gulmarg	*8,569*									Observations not received.												
	Sonemarg	*8,764*	21·763		21·731	22·035	3rd	21·519	25th	·516	17·8	36·3		12·8		24·5		23·5	43·4	10th & 11th.	2·1	18th	41·3
	Dras	*10,059*	20·688†	—·074†	20·656†	20·973	2nd	20·408	25th	·565	—2·2	20·8	—1·7	—14·5	—3·8	3·2	—2·7	35·3	35·9	13th	—40·0	1st	75·9
	Leh	11,503	19·583	—·028	19·551	19·852	3rd	19·280	25th	·572	16·0	35·8	+4·4	12·0	+2·2	23·9	+3·3	23·8	43·6	9th	3·0	1st & 27th.	40·6
	Skardu	*7,505*	22·878	—·050	22·848	23·200	2nd	22·554	25th	·646	21·3	36·5	—1·9	16·7	—2·3	26·6	—2·1	19·8	46·9	15th	—2·9	1st	49·8
	Minimarg	*9,359*									16·2	36·7		9·1		22·9		27·6	49·8	17th	—3·0	20th & 27th.	52·8
	Astor	*7,955*	22·405		22·375	22·676	2nd	22·134	13th	·542	20·5	39·8		?		?		?	50·9	11th	?	?	?
	Gilgit	4,890	25·139		25·112	25·443	1st	24·790	25th	·653	40·0	51·8	+0·5	36·8	+0·2	44·3	+0·3	15·0	57·2	10th	32·2	1st	25·0
	Baluchistan.																						
16	Quetta	5,502	24·653	—·007	24·613	24·855	4th	24·417	23rd	·438	39·0	57·6	+4·5	30·4	—1·3	44·0	+1·6	27·2	69·6	11th	22·0	14th	47·6
	Chaman	4,311	25·741	+·018	25·703	25·945	4th	25·479	23rd	·466	46·4	60·2	+4·2	38·4	+0·3	49·3	+2·3	21·8	72·3	11th	25·2	25th	47·1
	Robat		26·965		26·923	27·172	4th	26·752	14th	·420	49·9	70·4		44·1		57·2		26·3	83·5	12th	34·8	25th	48·7
	Hill Stations exluding Kashmir and Baluchistan.																						
	Chitral	*5,486*									31·3	46·9		27·0		36·9		19·9	53·1	11th	15·3	1st	37·8
	Para Chinar	6,000	24·431		24·398	24·661	3rd	24·221	13th	·440	38·5	52·8		31·6		42·2		21·2	63·8	8th	22·8	25th	41·0
	Cherat	*4,956*	25·724	—·005	25·692	25·957	2nd	25·502	13th	·455	43·5	52·3	+0·2	40·8	+0·7	46·6	+0·5	11·5	61·7	11th	31·5	25th	30·2
	Murree	6,333	23·795	—·033	23·763	24·026	3rd	23·562	13th	·464	39·3	47·5	—0·5	35·9	+1·4	41·7	+0·5	11·6	59·6	11th	25·7	25th & 26th.	33·9
	Kailang	*10,087*	20·855		20·840	21·164	3rd	20·646	25th	·518	17·5	34·0	+0·6	13·3	—0·4	23·7	+0·1	20·7	40·4	6th	3·0	18th	37·4
	Simla	7,832	23·056	—·015	23·018	23·270	3rd	22·899	26th	·371	40·3	48·4	+2·5	36·0	+0·4	42·2	+1·5	12·4	56·8	12th	26·2	26th	30·6
	Sarain		23·097		23·059	23·313	3rd	22·948	26th	·365	30·5	48·3		27·6		38·0		20·7	58·7	11th	19·6	20th	39·1
	Kalabagh										Observations not received.												
	Chakrata	7,022	23·250	—·018	23·210	23·462	3rd	23·093	26th	·369	41·2	55·9	+4·7	36·8	+0·7	46·3	+2·7	19·1	65·8	8th	28·2	20th	37·6
	Muktesar	7,592	22·786	—·047	22·745	22·995	3rd	22·616	26th	·379	41·5	52·3	+2·7	35·7	+1·0	44·0	+1·9	16·6	62·5	8th	26·5	20th	36·0
	Darjeeling	7,376	22·944	—·041	22·899	23·092	2nd & 3rd.	22·766	26th	·326	42·0	50·4	+2·5	36·5	+0·9	43·4	+1·7	13·9	58·3	15th	28·7	21st	27·6
	Shillong	4,920	25·129		25·081	25·290	3rd	25·004	25th	·286	47·9	63·1		41·6		52·3		21·5	68·9	16th	32·7	23rd	36·2
	Cherra Poonjee	4,309	25·651		25·602	25·789	3rd	25·518	26th	·271	53·1	62·4		?		?		?	67·7	14th, 15th & 16th.	?	?	?
	Maymyo	3,545	26·443	—·060	26·388	26·607	2nd	26·347	26th	·260	51·1	74·5	—0·6	48·4	+0·8	59·0	+0·1	31·1	78·9	20th	37·6	23rd	41·3
	Pachmarhi	3,528	26·503	—·018	26·450	26·685	3rd	26·366	18th	·319	61·5	77·0	+1·5	48·6	—2·9	62·8	—0·7	28·4	82·5	14th & 25th.	40·1	7th	42·4
	Mount Abu	3,945	26·083	—·027	26·033	26·234	3rd	25·957	13th	·277	61·8	70·7	+1·9	55·3	+1·7	63·0	+1·8	15·4	76·7	4th	40·4	16th & 17th.	36·3
	Mercara	3,781	26·251	—·034	26·184	26·352	4th	26·170	19th	·182	65·7	81·1	—0·1	58·6	—0·2	69·9	—0·1	22·5	86·5	17th	53·5	11th	33·0
	Ootacamund	*7,327*	23·061		22·997	23·132	4th	23·011	18th	·121	54·7	66·1		43·1		54·6		23·0	69·5	4 days	35·2	8th	34·3
	Kodaikanal	7,683	22·819	—·063	22·754	22·890	4th	22·781	7th	·169	52·8	63·2	—2·7	46·9	—1·3	55·1	—2·0	16·3	67·5	14th, 15th & 28th.	41·0	7th & 8th	26·5

† Mean of 27 days. ‡ Mean of 22 days.

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

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

B—*continued.*

in India, etc., in February, 1910—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, 1909 to 28th Feby., 1910.	Normal rainfall for period, 1st Dec., to 28th Feby.	Departure from normal of period, 1st Dec., 1909 to 28th Feby., 1910.	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
																																Bay Islands.
1	5	3		1	3	9	3	3	S 84° W		P			32		81		·690		2·3		1			1·50			12·12			1·50	P.V.Fraser.
	12	13	1	2					N 31° E		4·6			82		87		·855		10·0		8			6·93			14·13			2·32	Car Nicobar
10	7	8	2					1	N 27° E	N 9° E	3·6*	5·0	—1·4	53	+ 2	79	— 5	·795	— ·019	5·4	+2·0	1			0·89	0·40	+ 0·49	15·48	8·04	+7·44	0·65	Port Blair.
	9	10	6				2	1	N 31° E		8·1			70		75		·743		4·0		0			0·01			1·14			0·01	Slipper Island.
																																Kashmir.
	8						5	15	N 40° W		1·2†			86		73		·259		3·9		6			4·06			4·06¶			1·20	Muzaffarabad.
11	2			4	2		1	8	N 53° W	S 24° E	2·0	3·5	—1·5	18	— 5	86	— 3	·167	+ ·009	8·5	+0·9	5	6·40	—1·40	3·82	2·80	+ 1·02	9·03	7·20	+1·83	1·22	Srinagar.
																	Observations not received															Gulmarg.
25			1	1				1	E		1·8			4		93		·098		5·5		7			8·12			24·89			4·16	Sonemarg.
25			1				1	1	N 45° W		0·6			4		93	+ 3	·049†		5·4		7	8·20	—1·20	6·00	1·98	+ 4·02	11·36	6·02	+5·34	2·04	Dras.
21				1	2	1	1	2	S 49° W	S 27° W	2·6*	1·3	+1·3	11	—25	57	+10	·054	+ ·018	6·8	+0·8	1	1·00	0	0·39	0·35	+ 0·04	0·72	0·85	—0·13	0·17	Leh.
19					2	6	1		S 40° W		2·2			29		94	+ 1	·112		7·4		3	2·60	+0·40	1·16	0·64	+ 0·52	3·24	1·70	+1·54	0·52	Skardu.
14	3	4	4			2	1		N 45° E		5·9			21		77‡		·069‡		5·8		9			6·95			16·18			1·69	Minimarg.
16			7	3	1	1			S 65° E		2·5			32		54		·066		6·7		P			P			P			P	Astor.
15			1				12		W		3·1			39		54	— 2	·133	—·003	6·1	—0·4	1	0·90	+0·10	0·60	0·16	+0·44	1·09	0·46	+0·63	0·55	Gilgit.
																																Baluchistan.
16	3		4	1	4				S 69° E	S 4° W	3·8	3·5	+0·3	18	+ 6	61	—13	·144	—·022	2·6	—1·2	1	6·40	—5·40	0·42	2·21	— 1·79	3·56	5·05	—1·49	0·40	Quetta.
4			3	5	9	6	1		S 4° E	S 46° E	7·2	8·4	—1·2	60	— 1	52	—12	·166	—·016	3·8	—0·3	1	4·30	—3·30	0·24	1·75	— 1·51	2·56	3·97	—1·41	0·13	Chaman.
2		4	6	1	1	12	2		S 7° W		7·3			25		50		·177		1·6		0			0			1·79			0	Robat.
																																Hill stations, excluding Kashmir and Baluchistan.
25		1						2	N 27° W		1·0§			7		81		·144		4·5		4			1·70			2·54			0·60	Chitral.
21	2		2	1	1			1	N 63° E		3·9			7		74		·170		3·9		4	4·80	—0·80	1·60	1·93	— 0·33	7·69	3·35	+4·34	0·64	Para Chinar.
2	16	2		1	1			6	N 6° W	N 16° W	15·5	13·6	+1·9	70	+14	47	—13	·127	—·039	4·4	0	4			2·12	3·31	— 1·19	15·48	6·38	+9·10	1·15	Cherat.
7	2			12	6	1			S 31° E	S 68° E	7·7	8·9	—1·2	53	+13	55	— 9	·123	—·021	5·8	+1·0	6	2·70	+3·30	3·49	3·84	—0·35	12·34	8·65	+3·69	0·87	Murree.
			8	7	7	4	1	1	S 30° E		1·0*	1·0	0	57		74		·079		4·7		5			2·44	3·02	—0·58	5·68	7·02	—1·34	0·67	Kailang.
																46	—10	·106	—·025	3·5	—1·0	6	4·00	+2·00	2·37	3·00	— 0·63	6·06	6·94	—0·88	1·06	Simla.
3		1			4	19	1		S 39° W		2·7			75		85		·144		4·3		5			3·70‡‡			8·20			§§ 2·06	Sarain.
																	Observations not received.															Kalabagh.
8	15		1	1	1	1		1	N 1° E	N 66° E	6·2	6·3	—0·1	48	+17	53	—11	·135	—·014	2·6	—1·0	3	5·60	—2·60	3·71	4·20	— 0·49	10·46	9·09	+1·37	2·03	Chakrata.
5	1	1	7		1		13		N 82° W		8·1			18		48	—14	·116		4·1		2			1·72	2·66	—0·94	6·07	5·74	+0·33	1·05	Muktesar.
25				1		1	1		S 38° W	S 53° E	2·9	5·5	—2·6	4	—16	74†	—10†	·201†	—·010†	4·2	—0·6	2	2·52	—0·52	0·30	1·01	—0·71	1·01	1·95	—0·94	0·17	Darjeeling.
25						3			S 45° W		2·1			11		75		·256		1·3		2	1·90	+0·10	1·60	0·79	+0·81	2·35	1·60	+0·75	1·50	Shillong.
13	2	3				7	1	2	N 83° W		5·6			18		74		·302		1·2		2	3·10	—1·10	2·30	2·08	+0·22	2·82	3·12	—0·30	1·40	Cherra Poonjee.
23		1			2	2			S 15° W		2·8			11		86	+ 3	·334		1·4		0	0·30	—0·30	0	0·30	— 0·30	0·15	0·81	—0·66	0	Maymyo.
12	1	2	1		1	5	2	4	N 83° W	S 23° W	3·9	4·4	—0·5	21	+ 5	43	— 8	·240	—·055	0	—2·2	0	1·00	—1·00	0	0·47	— 0·47	3·45	1·59	+1·86	0	Pachmarhi.
7	5	6	1	1		5	2	1	N 3° W	N 45° W	7·2	6·1	+1·1	20	— 8	26	—17	·189	—·067	1·9	—0·1	0	0·50	—0·50	0	0·29	—0·29	0·21	0·83	—0·52	0	Mount Abu.
15	2	4	5	2					N 70° E	N 60° E	4·0†	4·3	—0·3	32	—10	70	0	·440	—·008	1·9	—1·1	1	0·30	+0·70	0·41	0·14	+0·27	0·73	0·67	+0·06	0·36	Mercara.
2	2	2	8	11	3				S 67° E		4·1			63		55		·239		2·6		2	1·20	+0·80	1·64	0·38	+ 1·26	4·36	2·38	+1·98	1·21	Ootacamund
	8	3	8	1				8	N 19° E		13·8*			56		56	— 1	·227		2·9		4	2·30	+1·70	1·30	1·61	— 0·31	4·39	9·55	—5·16	0·77	Kodaikanal.

* Uncorrected for scale error.

‡ Hail, snow and rain water.

§§ Snow water.

§ Mean of 14 days.

¶ Total rainfall since 1st February, 1910.

Table

(2) *Abstract of observations taken at 8 hrs., at 240 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
	Extra India.																						
	Singapore (*a*)	10	29·878		29·809	29·997	2nd	29·831	18th	·166	81·6	90·4		70·5		80·5		19·9	91·0	11 days	70·0	17 days	21·0
	Penang (*a*)	20	29·907		29·852	29·992	1st	29·851	18th	·141	79·8	85·8		73·2		79·5		12·6	90·0	18th	72·0	1st & 19th	18·0
	Trincomalee	12	29·946	—·028?	29·884	30·048	4th	29·856	18th	·192	74·9	86·0	+1·0	74·1	—1·0	80·1	0	11·9	88·0	22nd	70·0	8th & 25th	18·0
	Colombo	40	29·888	—·060	29·855	29·958	3rd	29·810	18th	·148	73·0	88·2	—0·1	72·4	—0·5	80·3	—0·3	15·8	91·5	6th	67·0	7th	24·5
	Minicoy	7	29·954			30·023	2nd	29·903	16th	·120													
	Amini Divi	*13*							Observa	tions	not	receiv	ed.										
	Gyantse	13,120	16·926		16·887	17·096	3rd	16·589	27th	·507	26·0	43·8		8·1		26·0		35·7	55·3	28th	0·2	4 days	55·1
	Pharijong	14,400	15·703?		15·662?	15·819?	2nd	15·509?	26th	·310?	16·4	48·3		—6·2		21·0		54·5	66·1	9th	—16·0	21st	82·1
	Gangtok	5,660?	24·439?		24·395?	24·561?	2nd	24·288?	25th & 26th.	·273?	49·1	61·1		41·3		51·2		19·8	67·6	14th	34·2	21st	33·4
	Gartok	14,140									12·0	25·6		2·6		14·1		23·0	36·3	8th	—16·9	21st	53·2
	Kashgar (*c*)	4,255	25·629			25·900	3rd	25·410	24th	·490	24·2	42·0	—2·9	20·0	—2·3	31·0	—2·6	22·0	53·0	18th	13·3	2nd	39·7
	Kabul		24·155		24·224	24·502	4th	23·996	24th	·506	27·1†	45·7	—2·7	19·6	—3·4	32·6	—3·1	26·1	54·9	9th	5·9	1st	49·0
	Meshed	3,104	26·830		26·809	27·087	25th	26·543	14th	·544	34·9	50·8		24·6	—3·8	37·7		26·2	69·4	10th	16·8	25th & 27th	52·6
	Jask	13	30·012	—·040	29·982	30·215	4th	29·888	11th & 12th.	·327	65·5	77·1	+2·2	63·3	+1·5	70·2	+1·9	13·8	79·3	16th & 21st	59·3	6th & 7th	20·0
	Muscat	20	30·026	—·028	29·994	30·255	4th	29·889	15th	·366	70·9	78·9	+6·1	67·9	+0·1	73·4	+3·1	11·0	82·3	12th & 18th.	62·6	6th	19·7
	Bahrein	18	30·088		30·060	30·308	4th	29·859	27th	·449	63·2	67·6		60·0		63·8		7·6	71·4	9th & 10th	53·6	13th	17·8
	Bushire	14	30·042	—·034	30·015	30·249	4th	29·859	20th	·390	56·9	67·2	+1·5	54·0	+1·2	60·6	+1·3	13·2	75·8	21st	47·5	24th	28·3
	Busrah	25	30·097		30·083	30·333	4th	29·888	9th	·445	58·2	65·9		51·9		58·9		14·0	75·4	18th	42·3	24th	33·1
	Kerman										33·8	63·0		27·6		45·8		36·4	82·3	10th	18·3	13th	64·0
	Ispahan (*b*) ††	*5,817*	24·318			24·500	4th & 5th.	24·150	22nd	·350	32·8	53·9	—0·3	?	?	?	?	?	67·4	9th	?	?	?
	Tehran (*b*) ††	*4,002*	25·920			26·125	2nd	25·700	9th	·425	36·5	52·4	+0·4	33·2*	+0·4	42·8	+0·4	19·2	64·5	7th, 9th & 10th.	23·0	24th	41·5
	Baghdad § ††	127	29·997	+·017	30·105	30·207	4th	29·624	18th	·583	50·6	67·9	+4·7	48·0	+7·4	58·0	+6·1	19·9	75·2	6th	40·5	1st	34·7
	Beirut ‖	111			30·014						57·8	65·2		53·0		59·1		12·2	77·5	12th	48·4	22nd	39·1
	Aden	94	29·951	+·004	29·979	30·104	4th	29·892	23rd	·212	74·5	80·7	—1·0	71·5	—1·9	76·1	—1·5	9·2	84·8	18th	68·4	22nd	16·4
	Perim	201	29·809	+·020	29·949	29·955	5th	29·744	13th	·211	76·1	80·3	—3·1	73·4	—0·8	76·9	—1·9	6·9	82·3	25th & 28th.	72·4	15th & 21st	9·9
	Zanzibar	72	29·897	—·012	29·895	30·002	4th	29·808	20th	·194	82·2	86·6	—0·5	79·3	—1·0	82·9	—0·7	7·3	88·5	18th	74·7	25th	13·8

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.

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

‖ 8½ hrs. observations.
†† 7 „ „

† Mean of 27 days.
§ „ „ 16 „

B—*concluded.*

in India, etc., in February, 1910—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, 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., 1909 to 28th Feby., 1910.	Normal rainfall for period, 1st Dec., to 28th Feby.	Departure from normal of period, 1st Dec. 1909, to 28th Feby., 1910.	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.
	7	8		2				11	N 2° W		11·0*			67						1·9		10			5·34			13·45			1·30	**Singapore.**
13	5	10							N 30° E		5·1*			49						6·9		16			22·08			35·47			5·55	Penang.
19		6			2			1	N 50° E	N 7° E	1·7*	6·9	−5·2	18	−3	89	+8	·778	−·033	4·1	+1·0	4			2·14	1·98	+0·16	13·75	23·26	−9·51	1·33	**Trincomalee.**
	11	8	1		1	4	2	1	N 4° E	N 58° E	8·0*	6·4	+1·6	49	−4	94	+22	·774	−·014	5·3	+2·9	4			1·00	2·29	−1·29	3·99	12·28	−8·29	0·46	Colombo.
	12	7	3				1	5	N 8° E	N 20° E	4·0	5·2	−1·2	75						2·4		0			0	0·35	−0·35	1·36	7·10	−5·74	0	Minicoy.
															Observations not received.																	**Amini Divi.**
19			1	4	1	2	1		S 11° E		4·9			18		85		·123		0·4		0			0			0			0	**Gyantse.**
	6	2		2	6	1	6	5	N 67° W		7·7			25		58		·057		1·0		0			0			0			0	**Pharijong.**
21		2	1	1		1			E‡		2·4			8		73		·270		2·3		2			0·47			1·88			0·16	**Gangtok.**
2			22	3	1				S 38° E		11·8			86						4·1		0			0			0·58			0	**Gartok.**
26								2	N 45° W	N 29° W				4		67		·088		5·6		0			0	0·12	−0·12	0	0·58	−0·58	0	**Kashgar**
	3	5	6		5	1	4	4	N 27° E	S 51° E				18	+9	80†		·124†		3·4	+0·01	5			2·06	0·98	+1·08	5·75	2·51	+3·24	0·55	**Kabul.**
13		4				4		6	N 45° W		2·1			21		85		·167		6·8	+2·2	4			1·30	1·03	+0·27	3·65	2·14	+1·51	0·72	**Meshed.**
	9	7	4				1	7	N 9° E	N 10° E	10·0	12·2	−2·2	67	−1	74	−2	·466	−·031	1·1	−1·4	0			0	0·97	−0·97	5·14	2·62	+2·52	0	**Jask.**
9	1		2				3	13	N 45° W	S 82° W	6·3	4·7	+1·6	49	+8	70	−1	·537	+·026	2·2	−0·2	0			0	0·78	−0·78	3·10	2·32	+0·78	0	**Muscat.**
	5	1	1	1	4	1	4	11	N 51° W		9·1			46		81		·472		2·3		1			0·10			4·80			0·10	**Bahrein.**
4	4	5	4	2				9	N 12° E	N 48° E	11·1†	8·0	+3·1	42		84		·391		2·9		2			0·58	2·35	−1·77	11·72	8·71	+3·01	0·38	**Bushire.**
4		1	2	2	2	3	11	3	S 75° W		4·3			39		72		·345		4·7		1			0·31			3·07			0·18	**Busrah.**
	7		1	3	1	7	6	3	N 84° W		3·6			36		63		·118		2·1							No rain	gauge.				**Kerman.**
21	1	1		2		1	1	1	N 45° W	S 82° W	4·2†	4·6	−0·4	4		73		·140		3·0		1			0·25	0·17	+0·08	1·66	0·97	+0·69	0·20	**Ispahan.**
11	8	8				1			N 21° E	N 22° E	3·5	3·6	−0·1	50		75		·162		3·3		7			2·28	0·82	+1·46	4·09	3·48	+0·61	0·64	**Tehran.**
7	2	1		2				4	N 14° W	N 8° E	6·7	4·4	?	25	?	72	?	·265	?	3·7	?	2			0·51	2·17	−1·66	2·60	5·19	−2·59	0·30	**Baghdad.**
3		4		6		15			S 14° W					43		70		·333		3·3		6			1·80			15·96			0·57	**Beirut.**
4		24							N 45° E	N 81° E	15·3	15·3	0	82	+3	77	+1	·648	−·027	4·1	−2·3	0			0	0·29	−0·29	0·08	0·98	−0·90	0	**Aden.**
			11	11	4				S 58° E	S 83° E	18·9	19·2	−0·3	85	+14	75	−3	·677	−·039	3·9	−1·7	0			0	0·26	−0·26	0·34	0·68	−0·34	0	**Perim.**
1	9	13	2	1			1	1	N 29° E	N 27° E	5·7	6·7	−1·0	75	+3	77	−1	·837	−·027	6·6	+0·5	2			2·36	2·81	−0·45	19·83	11·27	+8·56	1·28	**Zanzibar.**

* Uncorrected for scale error.
‡ Mean of 26 days.

Table C.—Abstract of observations taken at 8 hrs., at 36 fourth-class stations in India, etc., in February, 1910.

Tabl

Abstract of observations taken at 8 hrs

Number of subdivision.	Station.	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.	Wind direction. 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	57·1	77·7	...	50·7	...	64·2	...	27·0	84·1	17th	43·7	28th	40·4	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	58·2	78·6	...	49·1	...	63·9	...	29·5	85·3	17th	43·0	22nd	42·3	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	54·2	82·5	...	49·3	...	65·9	...	33·2	85·9	18th	42·1	23rd	43·8	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	57·6	73·7	...	51·7	...	62·7	...	22·0	82·3	14th & 15th.	42·0	8th & 9th.	40·3	...	...	...	...	...	...	...	...	...	...	...
	Dikom	55·7	74·7	...	51·2	...	62·9	...	23·5	81·8	12th	44·0	22nd	37·8	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	59·6	76·9	...	...	..	...	...	...	83·1	18th	...	...	...	...	...	.	...	...	...	...	...	...	...	...
	Hailakandi	55·7	81·6	...	51·9	...	66·7	...	29·7	86·0	15th	46·0	23rd & 28th.	40·0	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	59·3	76·2	...	52·3	...	64·3	..	23·9	81·7	16th	45·6	22nd	36·1	...	...	...	...	...	...	...	...	...	...	...
	Messa	62·3	82·7	...	47·5	...	65·1	...	35·2	88·0	18th	44·3	28th	43·7	...	...	..	...	...	...	...	...	...	...	...
	Panerihat	51·8	78·5	...	48·9	...	63·7	...	29·6	83·6	15th	42·0	22nd	41·6	...	...	...	...	...	...	...	...	...	...	...
	Srimangal	57·9	83·3	...	50·0	...	66·7	...	33·3	87·1	17th	44·2	8th	42·9	...	...	...	...	...	...	...	...	..	...	...
5	Brahmanbaria	63·8	83·2	...	53·9	...	68·5	...	29·3	87·6	14th	48·1	3rd	39·5	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	53·4	86·2	...	45·4	...	65·8	...	40·8	89·4	6th & 12th.	38·4	18th	51·0	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	59·9	81·5§	...	50·8	...	66·1	...	30·7	93·0	26th	43·8	10th	49·2	...	...	...	...	...	...	...	...	...	...	..
	Kalchini	64·3	79·8	...	47·8	...	63·8	...	32·0	85·1	15th	42·9	28th	42·2	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	59·6	79·5	...	53·7	...	66·6	...	25·8	86·1	15th	49·0	18th, 21st & 22nd.	37·1	...	...	...	...	...	...	...	...	...	...	...
	Pabna	62·1	82·5	...	49·7	...	66·1	...	32·8	91·3	26th	43·5	8th	47·8	...	...	...	...	...	...	...	...	...	...	...
	XI.—Central Provinces.																								
24	Chhindwara	59·2	85·1	...	50·8	...	67·9	...	34·3	90·7	25th	46·0	10th & 23rd.	44·7	...	2	2	1	...	1	6	8	8	N 75° W	...
	Hill Stations.																								
	Panighatta	62·9	78·4	...	55·5	...	66·9	...	22·9	83·5	15th	45·5	21st	38·0	...	..	...	...	...	...	...	...	...	...	...
	Kurseong	50·7	60·7	...	47·3	...	54·0	...	13·4	67·3	16th	41·9	21st	25·4	...	...	...	...	...	...	...	...	...	...	...
	Gnatong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lachung	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Ringim	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	40·2	...	18·0	...	29·1	...	22·2	49·8	10th & 11th	10·3	26th	39·5	20	2	...	...	4	...	...	...	2	N 59° E	...
	Kargil	12·3	27·1	...	7·3	...	17·2	...	19·8	36·8	25th	—1·4	1st	38·2	...	1	1	13	13	...	...	...	...	S 73° E	...
	Killa Drosh	34·3	46·5	...	30·8	...	38·7	...	15·7	54·3	11th	25·1	26th	29·2	21	...	5	...	2	...	...	...	...	N 68° E	...
	Pishin	...	59·9	...	31·1	...	45·5	...	28·8	70·3	12th	21·0	18th	49·3	...	...	...	...	...	...	...	...	...	...	...
	Kalat	40·8*	56·1	+0·1	28·0	+3·3	42·1	+1·7	28·1	68·0	22nd	15·9	14th	52·1	...	4	...	1	...	21	...	2	...	S 3° W	...

§ Mean of 18 days.

* Uncorrected for scale error.

C.

at 36 fourth-class stations in India, etc., in February, 1910.

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 December, 1909 to 28th February, 1910.	Normal rainfall for period, 1st December to 28th February.	Departure from normal of period, 1st Dec., 1909 to 28th Feby., 1910.		
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.
...	...	...	...	...	89	...	·415	...	...	...	3	...	...	1·38	...	...	3·92	...	...	0·46	Bishnath.
...	...	...	...	...	87	...	·424	...	...	...	1	...	...	0·47	...	...	2·03	...	...	0·19	Borjuli.
...	...	...	...	...	92	...	·388	...	...	...	1	...	...	1·20	...	...	2·10	...	...	1·20	Chandkhira.
...	...	...	...	...	90	...	·425	...	...	...	7	...	..	3·45	...	...	4·86	...	...	0·78	Doom Dooma.
...	...	...	...	...	96	...	·427	...	...	...	9	...	...	2·81	...	...	3·76	...	...	0·90	Dikom.
...	...	...	...	...	89	...	·455	...	...	...	1	...	...	0·35	...	...	1·20	...	...	0·19	Golaghat.
...	...	...	...	...	92	...	·412	...	...	...	1	...	...	0·12	...	...	1·44	...	...	0·12	Hailakandi.
...	...	...	...	...	90	...	·453	...	...	...	3	...	...	0·83	...	...	1·52	...	...	0·35	Jorehat.
...	...	...	...	...	73	...	·414	...	...	...	2	...	...	0·50	...	...	0·93	...	...	0·18	Messa.
...	...	...	...	...	91	...	·352	...	...	...	2	...	...	0·48	...	...	0·88	...	...	0·18	Panerihat.
...	...	...	...	...	86	...	·416	...	...	...	2	...	...	1·66	...	...	2·56	...	...	1·00	Srimangal.
...	...	...	...	...	79	...	·473	...	...	...	1	...	...	0·23	...	...	1·00	...	...	0·19	Brahmanbaria.
...	...	...	...	...	98	...	·402	...	...	...	1	...	...	0·25	...	...	0·77	...	...	0·20	Dam Dim.
...	...	...	...	...	83	...	·424	...	...	...	0	...	...	0	...	...	0·53	...	...	0	Goalundo.
...	...	...	...	...	73	...	·449	...	...	...	2	...	...	0·50	...	...	0·82	...	...	0·38	Kalchini.
...	...	...	...	...	72	...	·368	...	...	...	3	...	...	0·37	...	...	0·58	...	...	0·15	Nagrakata.
...	...	...	...	...	73	...	·409	...	...	...	1	...	...	0·24	...	...	0·72	...	...	0·23	Pabna.
																					XI.—Central Provinces.
4·4	...	...	57	...	60	...	·302	...	0	...	0	...	...	0	...	...	2·35	...	...	0	Chhindwara.
																					Hill Stations.
...	...	...	...	...	55	...	·315	...	...	...	1	...	...	0·27	...	...	0·62	...	...	0·23	Panighatta.
...	...	...	...	...	69	...	·251	...	...	...	1	...	...	0·12	...	...	1·33	...	...	0·10	Kurseong.
...	...	...	...	...	...	...	...	...	...	...	5	...	...	2·12	...	...	4·68	...	...	0·84	Gnatong.
...	...	...	...	...	...	...	...	...	...	...	6	...	...	1·82	...	...	1·82‖	...	...	0·50	Lachung.
...	...	...	...	...	...	...	...	...	...	...	5	...	...	1·36	...	...	7·50	...	...	0·42	Ringim.
...	...	...	4	...	...	...	...	...	4·3	...	4	...	...	1·89†	3·93	—2·04	3·45	8·18	—4·73	0·60†	Poo.
...	...	...	86	...	29	...	·023	...	5·6	...	3	...	...	2·11†	...	...	3·64	...	...	0·96†	Kargil.
...	...	...	18	...	75	...	·147	...	2·6	...	5	...	...	2·02	...	...	3·53	...	...	0·90	Killa Drosh.
...	...	...	...	...	...	...	...	...	2·3	...	1	6·40	—5·40	0·31	2·86	—2·55	4·96	6·22	—1·26	0·26	Pishin.
...	...	...	61	...	55	...	·140	...	...	...	1	5·20	—4·20	0·19	1·26	—1·07	3·73	2·70	+1·03	0·19	Kalat.

† Snow water.

‖ Rainfall from 23rd December 1909 to 19th January 1910 not included.

Ta

Abstract of observations taken at 8 h

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.
															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
	Extra India.																							
	Ahwaz	...	67·4	...	53·1	...	60·2	...	14·3	71·0	9th	45·0	24th	26·0	...	...	...	...	...	...	...	...	...	...
	Birjand	37·7*	52·8†	...	33·1†	...	43·0†	...	19·7	64·1	10th	21·7	25th	42·4	7	1	10	3	...	...	...	3	...	N 41° E
	Chumbi	25·3	47·8‡	...	21·2	...	34·5	...	26·6	60·1	12th	10·1	21st	50·0	...	...	...	...	...	...	...	...	...	...
	Kirmanshah	38·6	51·3	...	30·3	...	40·8	...	21·0	62·0	6th	20·2	24th	41·8	...	...	...	...	...	...	...	...	...	...
	Koweit	...	67·8	...	52·3	...	60·0	...	15·5	78·4	14th	44·9	24th	33·5	1	...	...	...	6	...	...	2	19	N 51° W
	Maidan	...	67·6	...	47·7	...	57·6	...	19·9	74·2	18th	39·9	23rd	34·3	...	...	...	...	...	...	...	...	...	...
	Pemba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Mean of 25 days. † Mean of 26 days. ‡ Uncorrected for scale error.

—concluded.

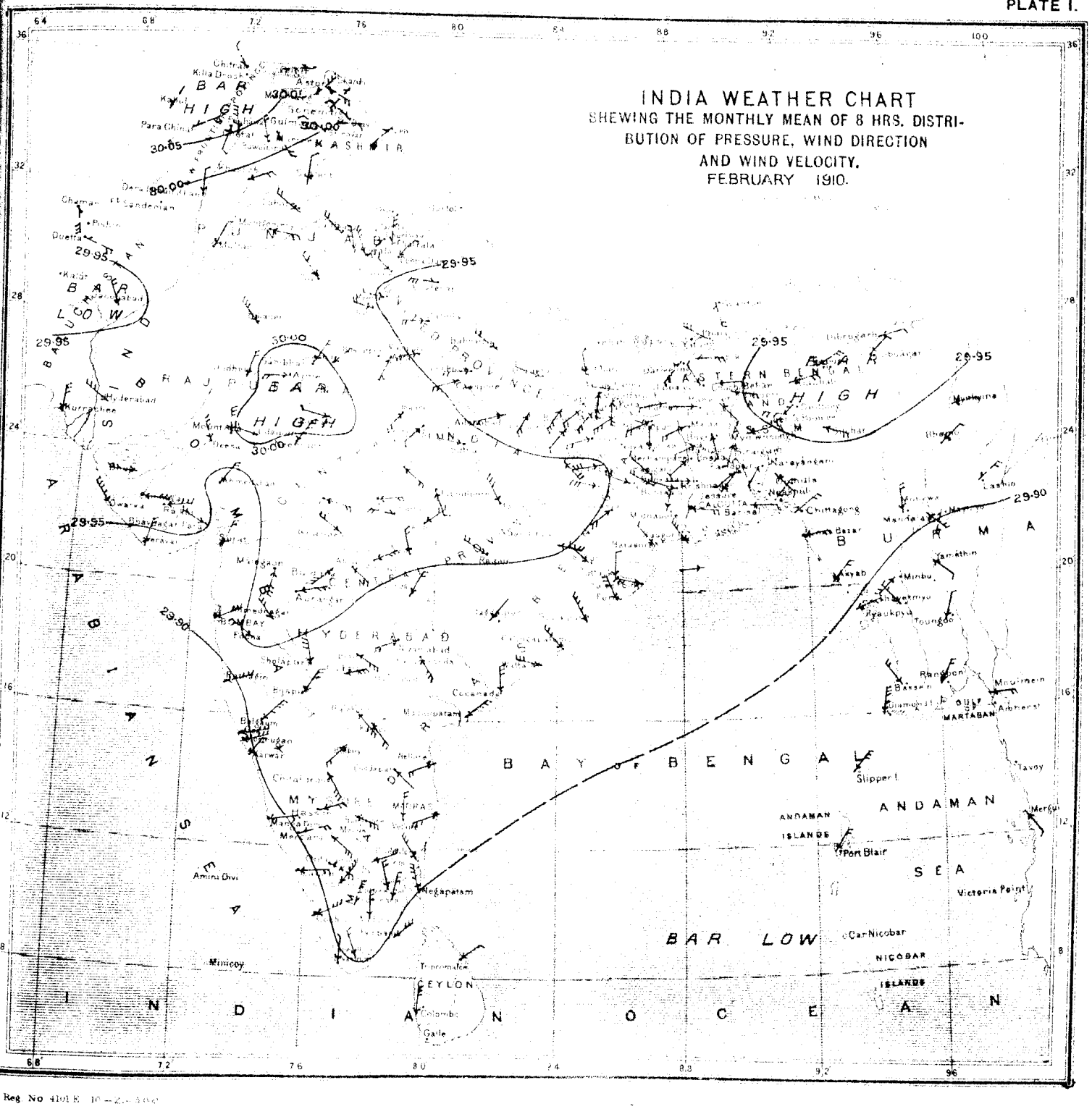
t 36 fourth-class stations in India, etc., in February, 1910—concluded.

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 December, 1909 to 28th February, 1910.	Normal rainfall for period, 1st December to 28th February.	Departure from normal of period, 1st Decr., 1909 to 28th Feby. 1910.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					Extra India.
...	...	...	...	...	...	...	...	...	4·5	...	1	...	...	0·56	...	...	5·31	...	...	0·33	Ahwaz.
2·4§	...	...	40	...	66*	...	·144*	...	4·1*	...	1	...	...	0·33‖	...	...	1·62	...	...	0·10	Birjand. (*a*)
...	...	...	...	...	77	...	·105	...	...	...	4	...	...	1·04¶	...	...	2·30	...	...	0·47¶	Chumbi.
...	...	...	...	...	72	...	·169	...	...	...	5	...	...	1·54‖	...	...	5·07	...	...	0·58	Kirmanshah.
...	...	...	50	...	...	...	...	...	5·3	...	2	...	...	0·56	...	...	3·21	...	...	0·30	Koweit.
...	...	...	...	...	...	...	...	...	...	...	2	...	...	1·47	...	...	10·95	...	...	0·97	Maidan.
...	...	...	...	...	...	...	...	...	...	...	0	...	...	0·22	...	...	15·93	...	...	0·09	Pemba.
...	...	...	...	...	...	...	...	...	...	...	0	...	...	0·07	...	...	10·03	...	...	0·07	Prison Island.

§ Mean of 24 days.
(*a*) Wind observations 3 less and 1 variable.

‖ Rain and snow water.

¶ Snow water.

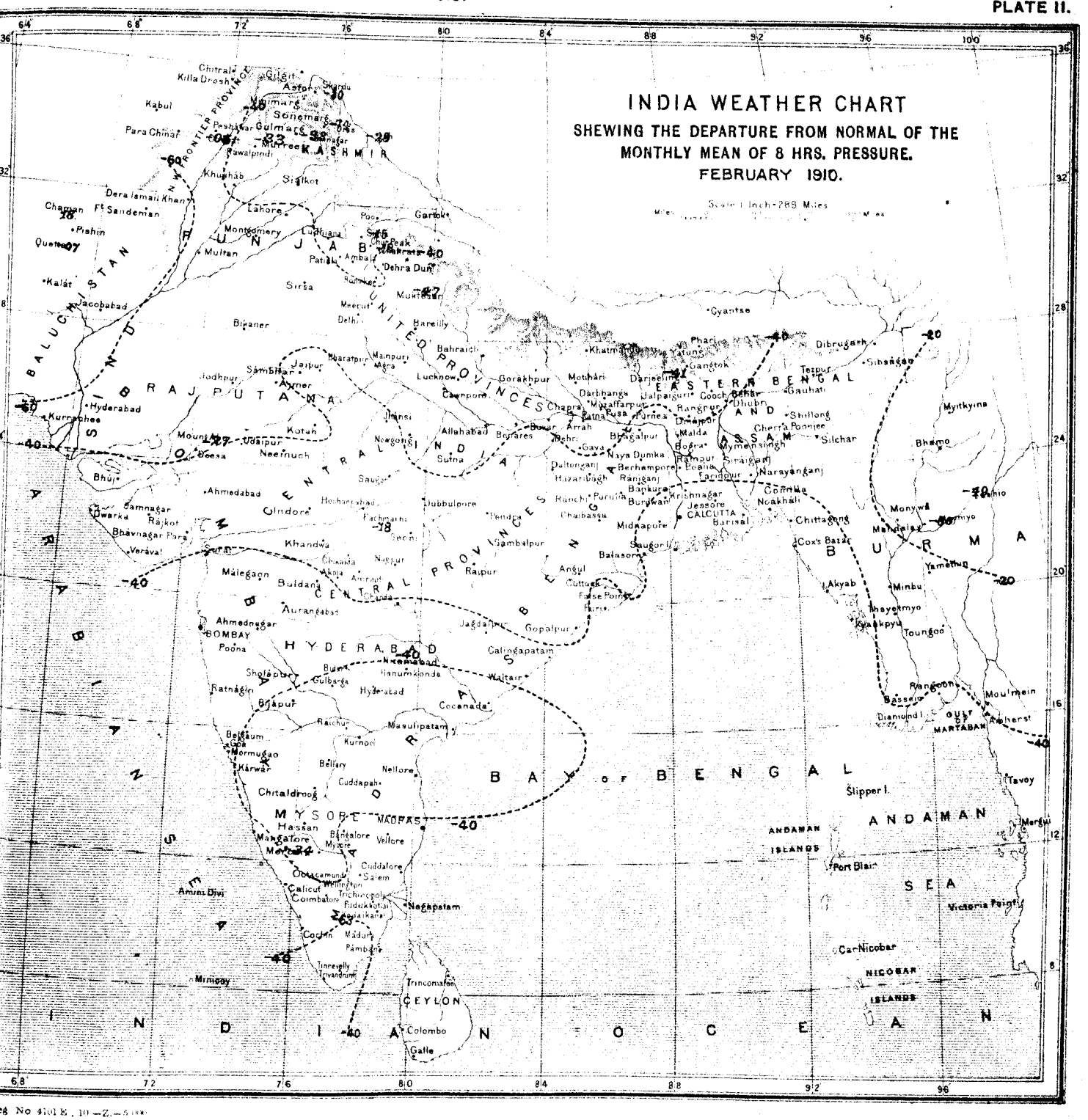


Reg No 4101 E 10—2—1910

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.

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

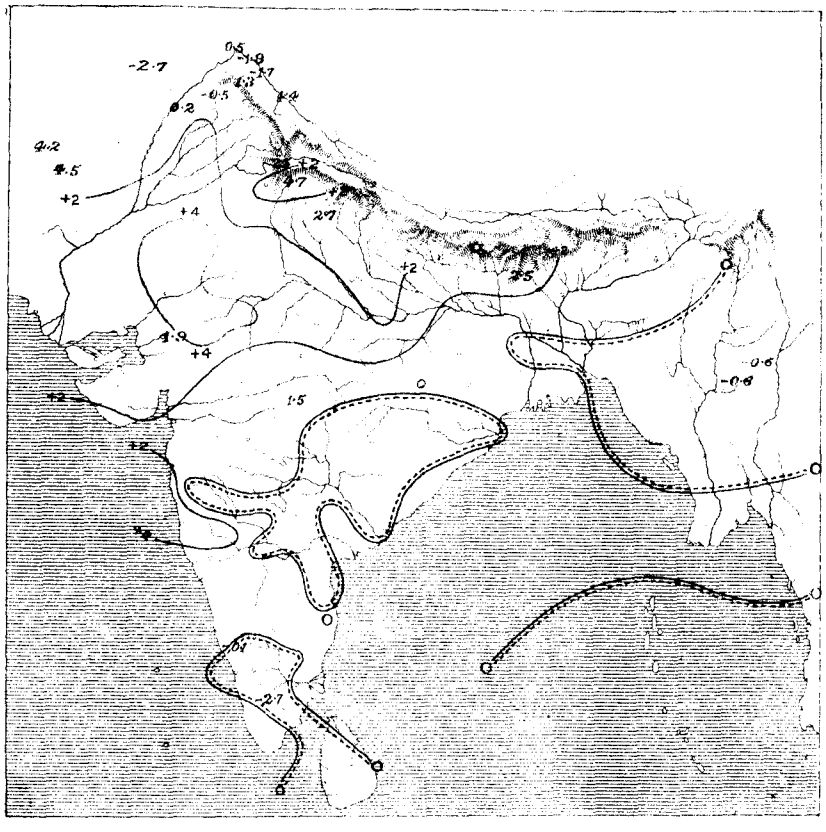


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

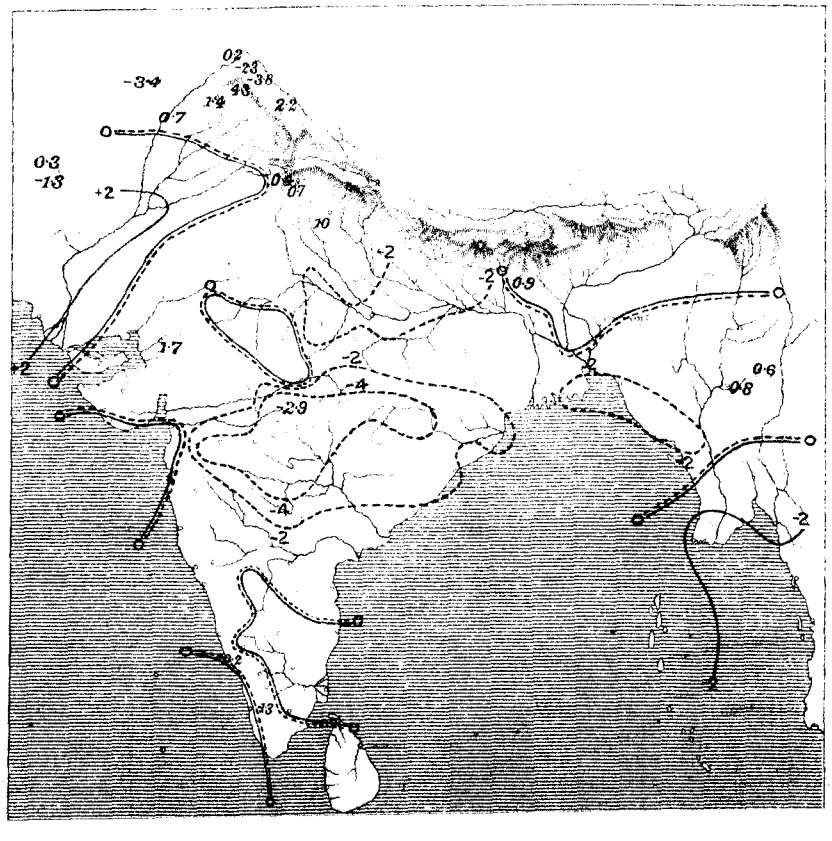


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MEAN TEMPERATURE.

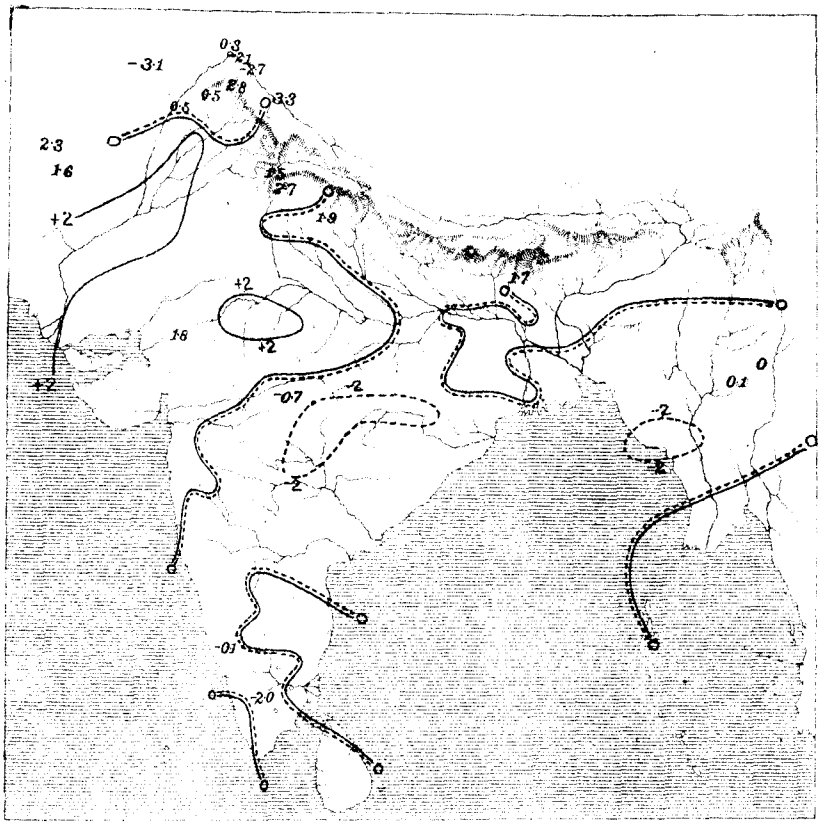


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.

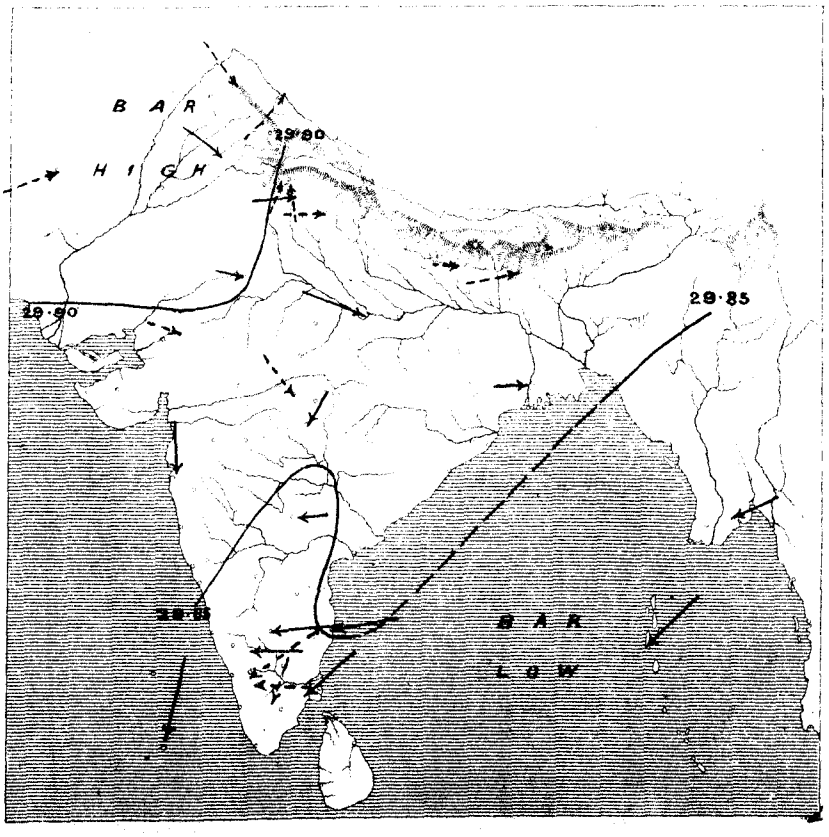


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF ABSOLUTE HUMIDITY AT 8 HRS.

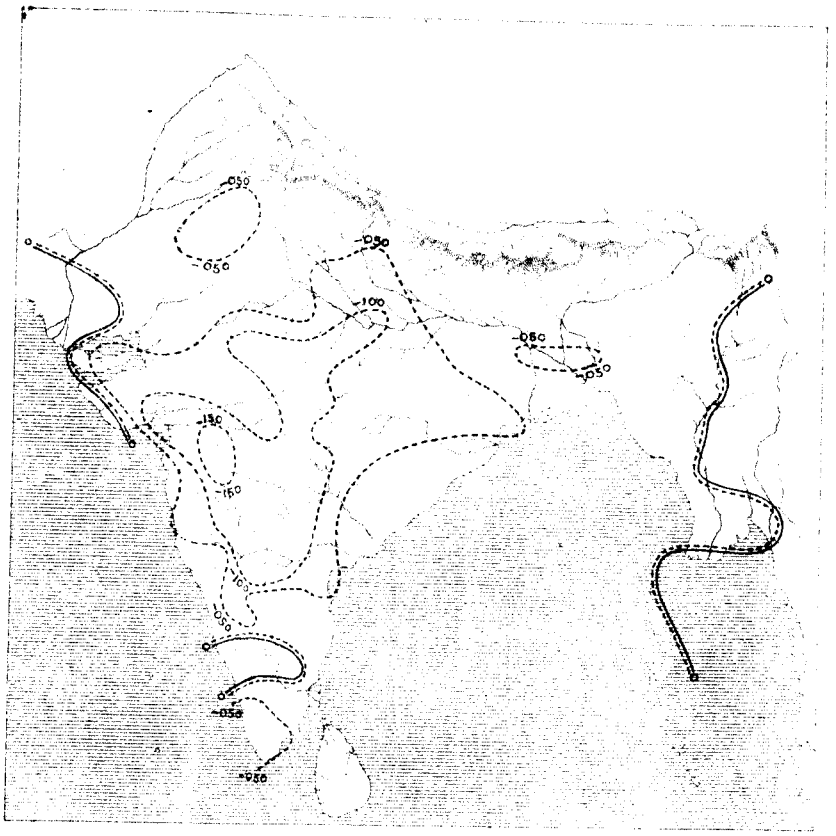


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

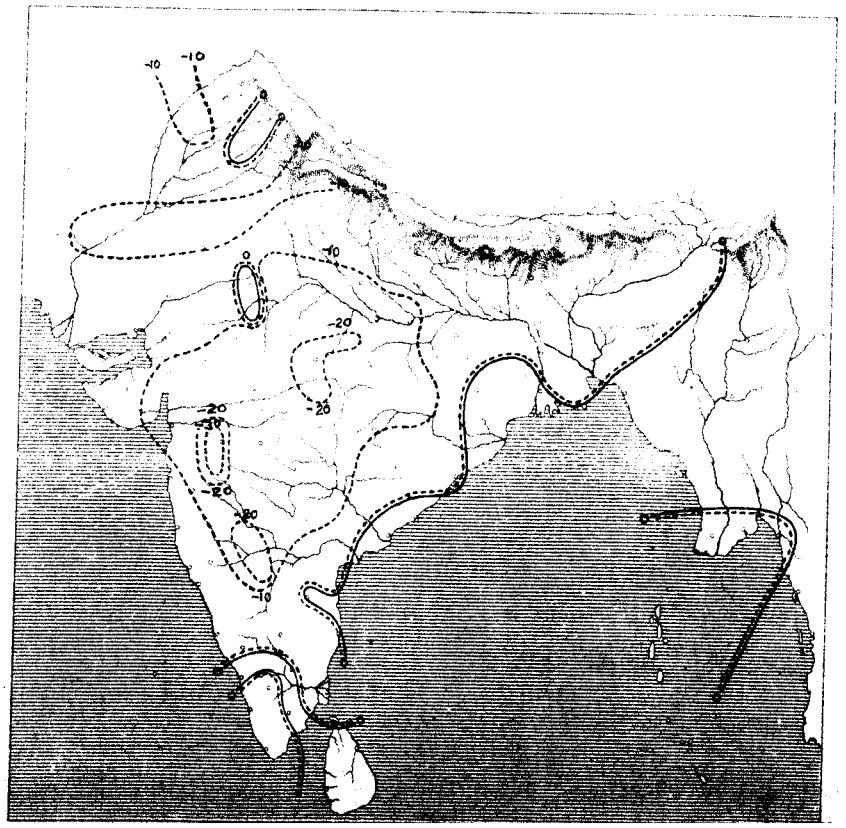


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

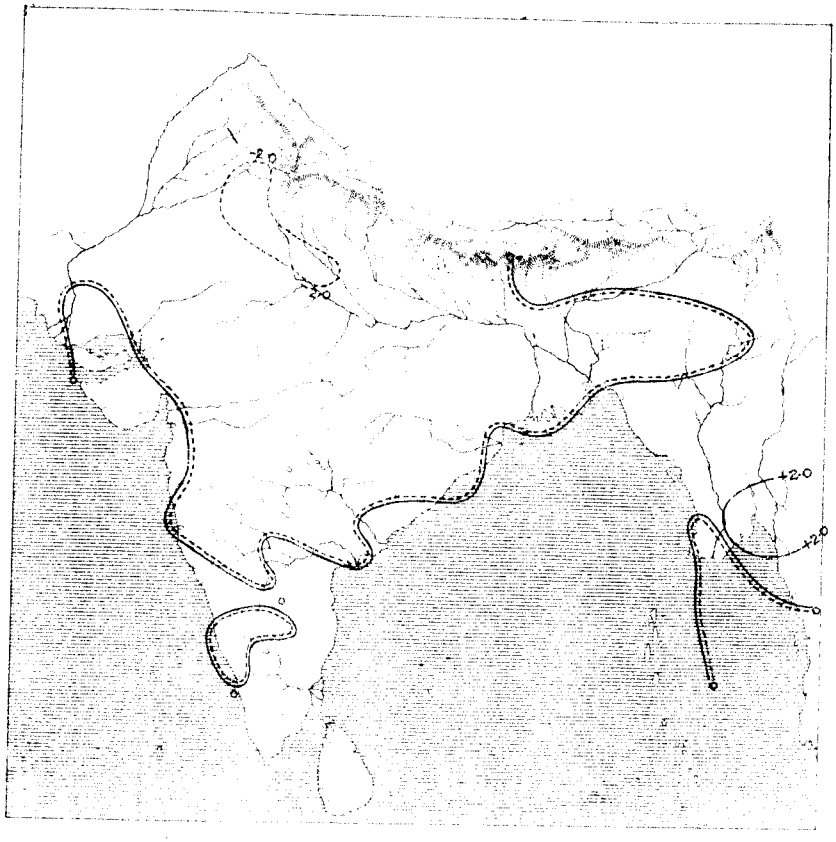
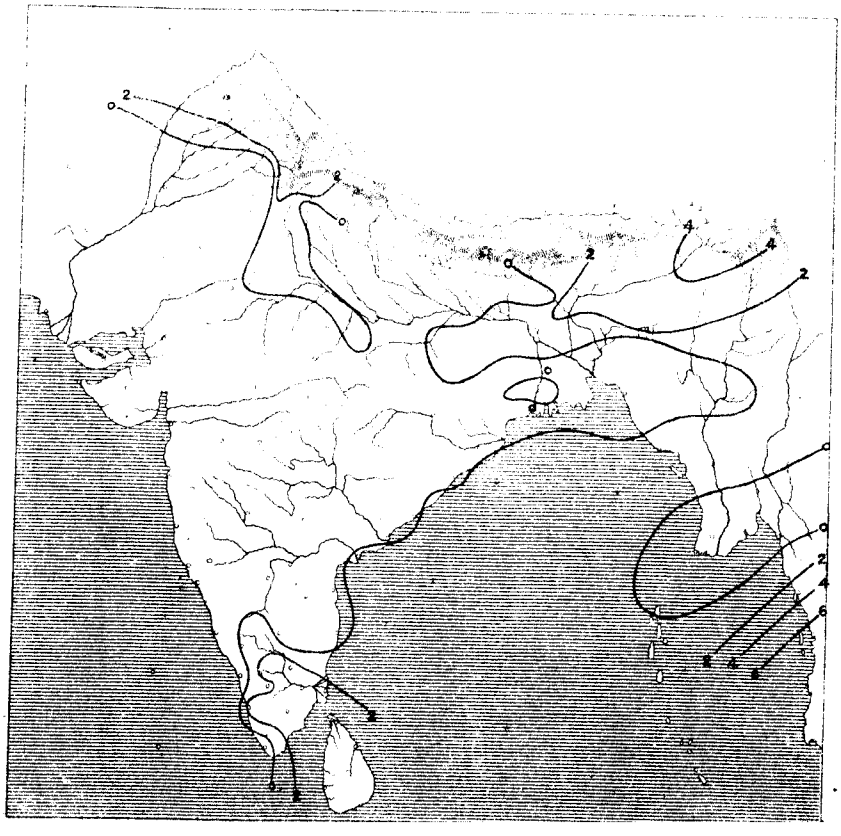
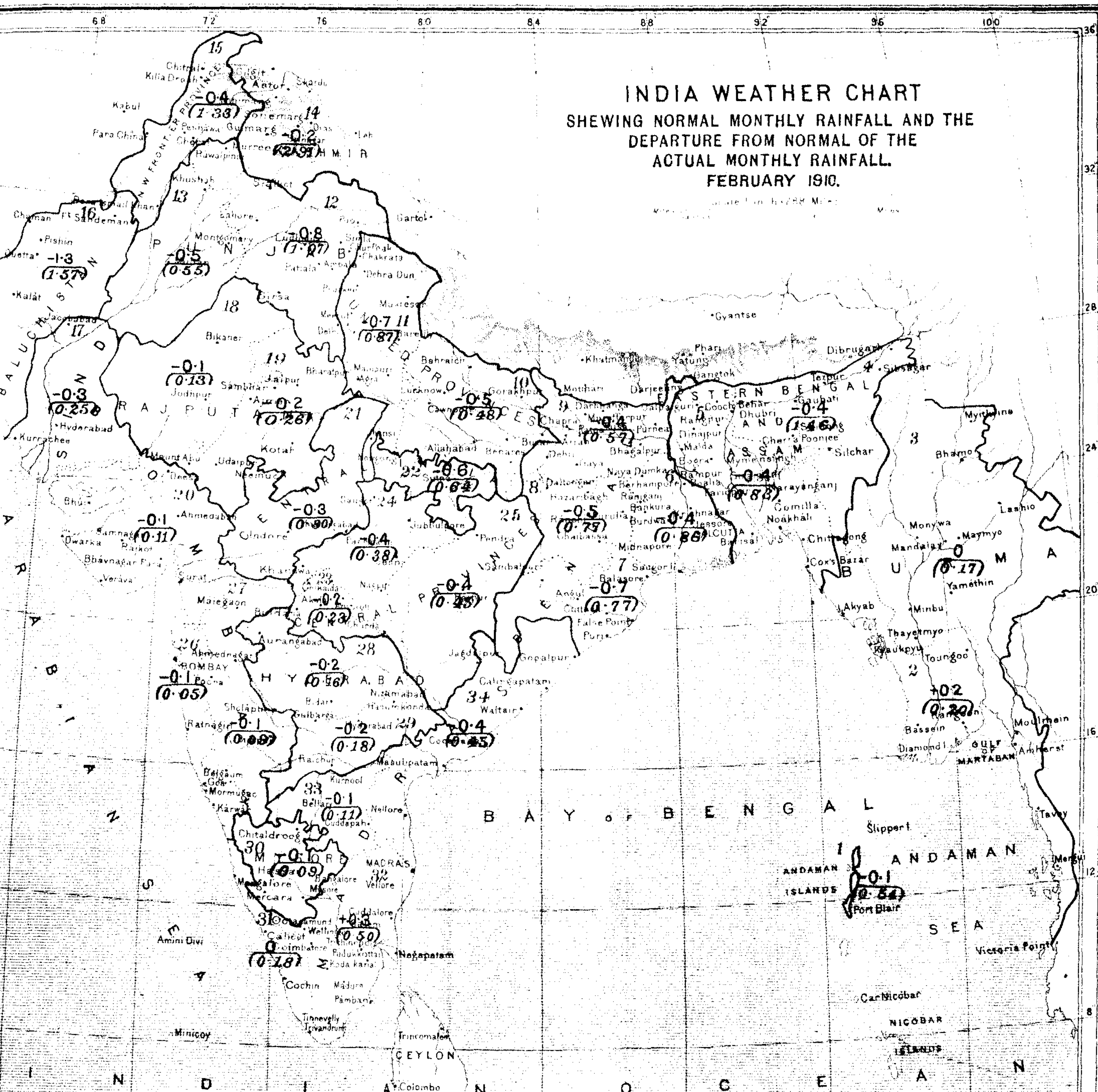


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)





o. 4101 E., 10.—2.—5,000

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, d serve to identify the areas. The numbers in brackets on the chart give the average over the divisions of the normal monthly rainfall; e numbers above these give the departures from normal of the average actual rainfall over the divisions.

Bay Islands
Lower Burma
Upper Burma
Assam
Eastern Bengal
Bengal
Orissa
Chota Nagpur
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, MARCH, 1910.

INTRODUCTION.

THIS review of the weather in India during the month of March, 1910, is based on observations taken daily at 8 hrs. at 241 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 33 stations. In the rainfall summary have been utilized 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.

The brief notes on solar, seismic and magnetic disturbances are supplied by the chief observatories in the Indian area.

Summary of the chief features of the weather in India during the month.

2. The general weather conditions during March bore a strong resemblance to those of the previous month. Pressure was on the average low by ·022"; precipitation was lighter than usual except in the Bay Islands, Burma and Assam; and cloud and humidity were in conspicuous defect over a large part of the country. Rainfall was almost wanting in a large part of northwest and central India, which under ordinary conditions receive light to moderate amounts.

Mean temperature was somewhat low in the Andamans, the interior of Lower Burma, the North-West Frontier Province, Afghanistan and Baluchistan, owing chiefly to a defect of day temperature, but over the rest of the Indian region mean monthly conditions were almost identical with the normal.

Weather was more disturbed than usual in Persia, but the associated depressions did not pass into India.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar Observations.*—Observations were possible on all the days of the month. The prominence record was imperfect on only two days.

Sunspots.—There was no day on which the sun was free from spots, but there were 7 days on which only one group was visible. There were only nine new groups, with a daily average of 1·9, and with an average life for each spot of 6·8 days. Groups Nos. 1829 and 1832 were returns of Nos. 1816 and 1825.

The latitude distribution was as follows:—

TABLE I.

	1°—10°.	11°—20°.	Extreme latitudes.	Mean latitude.
North . . .	1	3	3°, 18°	12°·0
South . . .	1	4	7°, 17°	12°·8

Groups Nos. 1825, 1829, 1830 and 1832, contained fairly large spots but there was nothing striking about any of the spots of the month.

Prominences.—The prominence activity in the month was great. Seventy large, 7 metallic and 4 eruptive prominences were recorded. One of them, recorded at the west limb on the 1st, changed in height from 15″ at 8h. om. to 70″, 345″, 295″, 165″, and 60″ at 8h. 10m., 8h. 48m., 9h. 13m., 9h. 49m., and 10h. 30m.; there were corresponding changes in the form also. There was a displacement of the hydrogen line at the base corresponding to a velocity towards the observer of 75 miles a second. Large prominences continued to be visible at that position for a week. The activity in this region was very persistent; from the 17th to the 19th the east limb was covered by a group which extended for more than 35°, and continued to be visible as a long curved stretch of prominences on flocculus photographs till the 25th.

Magnetic disturbances.—A "great" magnetic disturbance was recorded from the 27th to the end of the month. The quiet spot No. 1832 crossed the central meridian on the 29th.

Seismological records.

TABLE 2.

No.	Date, 1910.	E. T. Commencement G. M. T.	L. W. Commencement G. M. T.	Maxima. G. M. T.	End.	Maximum Amplitude.	Duration.	REMARKS.
		H. M.	H. M.	H. M.	H. M.	mm.	H. M.	
12	March 30	17 16·4	18 07·1	18 10·7	20 13	2·0=1·0	2 57	
13	„ 31	18 52·8	19 32·5	19 35·6	20 43	0·7=0·4	1 51	

C. MICHIE SMITH,

Director,

Kodaikanal and Madras Observatories.

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of March, 1910, the traces showed 7 calm days, 21 days of small, 2 days of moderate and 1 day of great disturbance.

The days of the month selected as quiet for the purposes of the Magnetic Survey of India are the 8th, 10th, 12th, 24th, and 25th.

The mean observed absolute values of the several magnetic elements reduced to the mean monthly tabulations of the magnetograms, together with the ranges and the summed ranges of the horizontal force and declination for the month, are as follow:—

Easterly declination	0° 58′ 41″
Horizontal force	0·36845 C. G. S. unit.
Vertical force	0·16075 „ „
Dip (calculated)	23° 34′·3
Dip (observed)	23° 33′·5
Horizontal force range	0·00042 C. G. S. unit.
Horizontal force summed range	0·00259 „ „
Declination range	2′·3
Declination summed range	8′·2

(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 during the month:—

TABLE 3.

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

C = calm, S = small, M = moderate, G = great, V. G. = very great.

Seismic disturbances.

TABLE 4.

Date.	Commencement.	Maximum.	End.	Maximum Amplitude.	Duration.
	H. M.	H. M.	H. M.	mm.	H. M.
March 25th, 1910	16 45·2	16 46·8	17 14·2	0·3	0 29·0
„ 30th „	17 20·0	18 1·0	19 33·8	1·0	2 13·8
„ 31st „	19 6·9	19 23·1	19 59·7	0·6	0 52·8

All times given above denote G. M. T.
Sensibility to tilt. 1 mm.=0″·36.

The following report relates to February.

Alibag magnetic record.

During the month of February, 1910, the traces showed 9 calm days, 17 days of small and 2 days of moderate disturbance.

The days of the month selected as quiet for the purposes of the Magnetic Survey of India are the 1st, 8th, 13th, 19th, and 27th.

The mean observed absolute values of the several magnetic elements reduced to the mean monthly tabulations of the magnetograms, as also the ranges and summed ranges

of the horizontal force and the declination for the month, are as follow :—

Easterly declination	0° 58′ 30″
Horizontal force	0·36849 C. G. S. unit.
Vertical force	0·16063 " "
Dip (calculated)	23° 33′·2
Dip (observed)	23° 33′·1
Horizontal force range	0·00037 C. G. S. unit.
Horizontal force summed range	0·00244 " "
Declination range	1′·3
Declination summed range	5′·6

(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 during the month :—

TABLE 5.

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

C=calm, S=small, M=moderate, G=great, V G=very great.

Seismic disturbances.

TABLE 6.

Date.	Commencement.	Maximum.	End.	Maximum Amplitude.	Duration.
	H. M.	H. M.	H. M.	mm.	H. M.
Feb. 4th, 1910	14 49·6	15 5·8	.....	0·5	.....
" 12th "	18 27·1	18 49·2	19 6·9	0·4	0 39·8

All times given above denote G. M. T.
Sensibility to tilt, 1 mm. = 0″·36.

N. A. F. MOOS,
Director,
Bombay Observatory.

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the Milne seismograph.*

TABLE 7.

Date. 1910.	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.	
Mar. 2nd	14 46·1	14 53·7	14 54·2	15 3·3	0 17·2	1·00	

Sensibility 1 mm.=0″·38 of tilt.

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing seismographs.*

TABLE 8.

Date.	Beginning of 1st P. T.	Beginning of 2nd P. T.	Beginning of L. W.	Time of maximum amplitude.	End approximately.	Duration.	Maximum displacement of style.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	mm	
1st A	1 28·5	...		...	1 38·5	0 10	Small.*	Tremors.
4th A	...	...	3 18·7	...	3 25	0 6	"	"
" B	...	...	...	...	...	...	...	No record visible.
5th A	...	...	10 0·6	...	10 10	0 9	Small.	Tremors.
" B	...	...	...	...	...	...	...	No record visible.
6th A	17 45·2	17 45·9	17 47·2	17 47·9	17 59	0 14	0·4	
" B	18 45·1	...	18 46·4	18 47·7	18 50	0 5	Small.	
16th A	20 53·6	...	20 53·7	20 53·7	20 55	0 1·5	0·5	
" B	...	...	20 53·3	20 53·3	20 53·7	0 0·4	0·4	
24th A	5 4·9	...	5 5	5 5	5 8	0 3	0·3	
" B	5 5	...	5 5·2	5 5·2	5 6	0 0·8	Small.	
24th A	15 36·3	...	15 36·4	15 36·4	15 37·6	0 1·3	"	
" B	14 38·6	...	14 38·6	...	15 39	...	"	
30th A	18 20	18 21·8	18 23·9	18 24·4	19 0	0 40	0·3	
" B	...	...	17 49·9	...	18 13·6	...	...	Tremors.

All times are given in G. M. T.
A=E—W component.
B=N—S component.
Magnification of each instrument was 15.
* Displacements less than 0·2 mm. are reported as "small."

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

TABLE 9.

Place at which felt.	Date.	G. M. T. of earthquake.	Duration.	Intensity.	No. of shocks.	REMARKS.
		H. M.	Sec.			
Drosh (Chitral)	1st	14 30	1	4	1	
Gauhati	1st	22 50	2	3	2	
Kyelang (Kangra)	16th	20 53	3	2	3	
Bhuj	24th	11 18	2	2	1	
Chaman	25th	0 20	25	2	1	

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	1·53
Minimum	1·42
Mean	1·47
Number of days of observation	8

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. (No information has yet been received for January, February and March. The following reports relate to September and October, 1909, and are compiled from information communicated by the Director of the Observatory.)

September, 1909.

Solar Observations.—Observations were taken from the 3rd to the 9th, the 11th to the 21st excepting the 12th, and again on the 23rd, 25th, 27th and 30th. Sunspots, singly and in groups, were seen throughout except on the 15th and were especially numerous between the 20th and 25th. Faculæ were seen on each day of observation with the exception of the 15th.

Magnetic disturbances.

TABLE 10.

Day.	Time.	Disturbance.
1st	15h. to 16¼h.	Decrease in H. F. (26).
3rd	3¼h. to 4½h.	Wave in H. F. (+15).
"	6h. to 16h.	Irregular wave in H. F. (+68).
"	16h. to 19h.	Wave in H. F. (+21).
"	21h. to 22½h.	Wave in H. F. (+22); 20¼h. to 21¼h. wave in declination (+20).
4th to 5th.	23½h. to 1h.	Wave in H. F. (+18).
5th to 6th.	23¼h. to 1h.	Wave in H. F. (+17).
8th to 9th.	18h. to 6h.	Undulations in H. F. (±12).
21st	15h. 15m.	Sharp increase in H. F. (17).
"	17½h. to 18h.	Decrease in H. F. (73).
"	20½h. to 22h. and 23h. to 24½h.	Waves in H. F. (—19) and (—27).
25th & 26th.	14h. to 14h.	Largest disturbances on record.
28th	19h. to 20½h.	Wave in H. F. (—23).

—	Mauritius.
Departure from normal of mean pressure	—·007
Actual mean wind direction	S 83° E
Normal mean wind direction	S 72° E
Actual mean wind velocity (miles per diem)	254
Normal mean wind velocity (miles per diem)	288
Rainfall departure from normal	+0"·89

October, 1909.

Solar Observations.—Observations were taken on the 2nd, 4th, 5th, the 9th to 12th, excepting the 11th; on the 15th, 17th, 19th to 24th, excepting the 22nd; and again on the 30th. Sunspots, singly and in groups, were seen throughout; they were especially numerous between the 2nd and 17th; faculæ were seen on each day of observation.

Magnetic disturbances.

TABLE 11.

Day.	Time.	Disturbance.
2nd	10½h. to 12h.	Wave in H. F. (—30).
"	18½h. to 21h.	Wave in H. F. (+20).
8th	—	Accentuated diurnal variations in H. F.
17th	—	Accentuated diurnal variations in H. F.
18th	18h. to 20h.	Wave in H. F. (+16).
18th to 19th	23½h. to 1h.	Double wave in H. F. (—40 to +26); wave in declination (+26).
19th	6½h. to 8h.	Sharp wave in H. F. (+22), in declination (—40). Small fluctuations in H. F. and declination till 23h., 19th.
23rd to 24th	14½h. to 0h.	Long irregular wave in H. F. (—120) 19h. to 21h.; two successive waves in declination (+32 and +38) 23h. to 23⅝h: wave in declination (—25).
24th	19h. to 23h.	Two successive waves in H. F. (+48 to +52), in declination (+20 and +30).

—	Mauritius.
Departure from normal of mean pressure	—·024
Actual mean wind direction	S 73° E
Normal mean wind direction	S 78° E
Actual mean wind velocity (miles per diem)	257
Normal mean wind velocity (miles per diem)	264
Rainfall departure from normal	—0·17

Weather in the Indian monsoon region.

8. In the sub-equatorial region, as represented by Seychelles and Zanzibar, pressure was low, the air movement normal as regards intensity but unusual in direction, and rainfall very irregularly distributed, being nearly 20 per cent. in excess at Seychelles and 94 per cent. in defect at Zanzibar. The unusual prevalence of north-

easterly winds at the two stations would suggest that the equatorial belt of low pressure was situated further south than is ordinarily the case in March.

TABLE 12.

—	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	...	—·033	—·001
Actual mean wind direction	...	N 15° E	N 63° E
Normal mean wind direction	...	S 44° E	N 17° W
Actual mean wind velocity (miles per diem).	...	126	109
Normal mean wind velocity (miles per diem).	...	130	118
Rainfall departure from normal.	...	—5·27	+2·02

Depressions and cyclonic storms.

9. The depression which was entering Sind by way of Baluchistan on the last day of February travelled eastwards to the head of the Bay where it disappeared on the 5th. It was distinctly marked throughout its passage across northern India, but caused little or no precipitation until it had reached Bengal. On the 4th and 5th numerous falls of rain were recorded in Eastern Bengal and Assam, and on the 6th local falls occurred in Assam.

No less than five disturbances appeared in Persia during the month. Of these three appear to have adopted a more northerly course than usual and passed to our north; a fourth, after having reached the northwest border, turned to north and skirting the western flanks of the Suleiman mountains advanced into Afghanistan, and the fifth entered northwest India, though as a mere wave of low pressure. Their influence on the Indian weather was accordingly small, and was confined chiefly to Kashmir and the frontier districts.

The general line of travel of the disturbances has thus remained practically unchanged since January, this being another striking illustration of the frequent persistence through a whole winter season of the general characteristics of its earlier part.

Unsettled weather was also experienced over the east and centre of the Bay between the 8th and the 12th. The marine information received up to the present does not throw much light on the origin and character of this disturbance, but it suggests that it was due to a temporary projection northwards of the equatorial belt of low pressure and its associated squally weather. A gale of wind was recorded at Slipper Island and Diamond Island on the afternoon of the 10th, but the available evidence, although confessedly imperfect, shows that the disturbed conditions never developed into a regular cyclonic storm. Besides being of a rare character, the disturbance was further noteworthy for the heavy general rain it gave to Burma.

Pressure.

10. Notwithstanding the prevalence of cooler and drier weather than usual the pressure of the atmosphere was almost universally below the average. The deficit in the plains was however much less marked than in the preceding two months, and in northern India was chiefly a result of the low density of the strata at and above the level of the observing hill stations:—

TABLE 13.

MONTH.	Mean departure from normal over India of 8 hrs. pressure.
	"
January	—·038
February	—·040
March	—·022

The low pressure conditions were not confined to India but extended southwards as far at least as the equatorial region and westwards to Bushire and Aden.

The vertical distribution differed but little from the normal except in the Himalayan area and southern India where the gradients were much stronger than usual.

TABLE 14.

DIVISION.	Departure from normal of mean 8 hrs. pressure.
	"
Burma	—·016
Eastern Bengal and Assam	—·018
Bengal	—·033
United Provinces	—·026
Punjab	0
North-West Frontier Province	—·009
Sind	—·009
Rajputana	—·017
Bombay	—·021
Central India	—·024
Central Provinces	—·025
Hyderabad	—·032
Mysore	—·017
Madras	—·025

TABLE 15.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference. B—A.
	"		"	"
Quetta	—·002	Jacobabad	—·017	—·015
Leh	—·069	Lahore	—·007	+·062
Murree	—·025	Peshawar	—·007	+·018
Simla	—·007	Ludhiana	—·001	+·006
Chakrata	—·020	Roorkee	—·006	+·014
Darjeeling	—·040	Jalpaiguri	—·024	+·016
Mount Abu	—·016	Deesa	—·018	—·002
Pachmarhi	—·008	Khandwa	—·024	—·016
Kodaikanal	—·040	Madura	—·013	+·027

Temperature.

11. As in February, temperature conditions approximated closely to the average over the greater part of the Indian area. In the plains day temperature was in defect by about 3° in the extreme northwest corner, and from 2° to 7° in the region of excessive rainfall in the Andamans and Burma excepting the districts in the north; in nearly all other places the actual monthly readings were hardly distinguishable from their corresponding normal values. Deviations of night temperature were even slighter.

In Afghanistan and the hill districts of Baluchistan there was a moderate defect of temperature, but this did not extend to any great distance eastwards, for Leh and Chakrata recorded temperatures very slightly higher than usual.

As might be expected from the absence of regular cold weather storms no marked hot or cool waves were experienced; over northwest and central India temperature was however appreciably low from the 4th to the 13th, and high during the periods from the 17th to the 21st, and from the 24th to the 30th.

TABLE 16.

SUB-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.
	°	°	°	°	°	°	°	°
1. Bay Islands	86·0	74·5	80·3	11·5	17·4	—4·7	—2·5	—2·2
2. Lower Burma	88·4	70·6	79·5	17·8	29·1	—3·7	—0·2	—3·5
3. Upper do.	91·1	64·1	77·6	27·1	44·5	—3·4	—0·4	—3·0
4. Assam	81·8	61·7	71·7	20·2	38·4	—1·5	0	—1·5
5. Eastern Bengal	87·4	64·4	75·9	23·0	43·0	—0·7	—0·3	—0·4
6. Bengal	92·5	68·1	80·4	24·4	44·4	—0·4	—0·1	—0·3
7. Orissa	92·7	69·9	81·3	22·7	39·6	—0·3	—1·0	+0·7
8. Chota Nagpur	92·5	64·0	78·3	28·6	50·1	+1·0	+0·1	+0·9
9. Bihar	90·2	62·5	76·4	27·7	48·4	—0·3	—0·4	+0·1
10. United Provinces, East	92·4	60·1	76·3	32·4	55·5	+0·7	—1·4	+2·1
11. Do. do., West	88·2	58·3	73·2	29·9	52·8	+0·6	—1·1	+1·7
12. Punjab, East and North	82·6	54·6	68·6	27·9	53·3	—1·3	—1·2	—0·1
13. Do., Southwest	83·6	56·2	69·9	27·4	56·4	—1·7	—1·1	—0·6
14. Kashmir	47·7	29·3	38·5	18·5	41·7	—0·7	—0·2	—0·5
15. North-West Frontier Province	76·5	52·4	64·5	24·1	48·8	—3·3	—1·3	—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.
	°	°	°	°	°	°	°	°
16. Baluchistan	64·6	43·6	54·1	21·1	56·0	—3·7	—2·1	—1·6
17. Sind	88·1	63·1	75·6	25·0	53·1	—0·6	—0·9	+0·3
18. Rajputana, West	90·9	61·1	76·0	29·9	59·9	+0·8	—2·9	+3·7
19. Do., East	91·0	60·8	75·8	30·2	56·9	+1·1	—0·5	+1·6
20. Gujarat	93·4	64·9	79·2	28·5	51·5	+1·3	—0·5	+1·8
21. Central India, West	92·1	59·9	76·1	32·2	57·3	+0·2	—1·0	+1·2
22. Do., East	92·5	59·9	76·2	32·5	57·9	+0·6	—1·1	+1·7
23. Berar	97·0	67·5	82·3	29·5	52·6	+0·5	—1·9	+2·4
24. Central Provinces, West	95·2	61·9	78·6	33·2	56·0	+0·2	—2·4	+2·6
25. Do., East	95·3	65·6	80·4	29·7	49·8	—0·1	—2·1	+2·0
26. Konkan	86·9	73·0	79·9	13·9	27·6	—0·2	—0·7	+0·5
27. Bombay Deccan	97·0	65·1	81·1	31·9	52·4	+0·4	—0·6	+1·0
28. Hyderabad, North	97·8	67·1	82·5	30·7	53·1	+1·3	0	+1·3
29. Do., South	98·9	71·5	85·1	27·3	46·0	+0·5	—0·1	+0·6
30. Mysore	93·0	65·9	79·5	27·1	36·7	+0·6	—0·1	+0·7
31. Malabar	89·0	75·6	82·3	13·5	20·1	—0·8	—0·1	—0·
32. Madras, Southeast	94·7	71·5	83·1	23·2	36·0	+0·5	—1·3	+1·8
33. Do. Deccan	101·6	72·6	87·1	29·0	43·0	+0·6	—0·3	+0·9
34. Do. Coast, North	90·1	73·0	81·5	17·1	28·2	—0·2	—0·3	+0·1

TABLE 17.

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

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

Winds.

12. (*a*) Winds were very unsteady in Burma but blew with remarkable steadiness from about their usual directions in most parts of the rest of India. (*b*) The rate of air movement was nearly equal to the average except in the North-West Frontier Province and Eastern Bengal and Assam.

TABLE 18.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	—0·5	—16
Eastern Bengal and Assam	—1·1	+ 3
Bengal	+0·2	+ 3
United Provinces	—0·2	+ 3
Punjab	+0·2	+14
North-West Frontier Province	—0·6	+ 9
Sind	—1·1	+19
Rajputana	—0·1	+ 2
Bombay	—0·2	+ 6
Central India	—0·8	+ 9
Central Provinces	+0·4	+ 2
Hyderabad	—1·0	+ 5
Mysore	+0·5	+20
Madras	+0·2	+ 2

Humidity and cloud.

13. The maps of absolute humidity or vapour tension, and relative humidity presented similar abnormal features, the greater part of the plains of India proper having had a drier, and of Burma a damper, atmosphere than is normally the case in March. The dryness was on the whole most pronounced in the west Deccan and the east of the Central Provinces where the air contained barely two-thirds of the normal amount of vapour, and the percentage of relative humidity was nearly 20 lower than usual. In the hill districts of northern and central India the variations were not at all decided.

Skies were clearer than usual practically everywhere, except in Ganjam, the Bay Islands, Burma, the northwest Himalayas, the Indus valley, Baluchistan and Afghanistan, and on the mid-west coast. At Rangoon the excess was equal to two-fifths of the visible expanse of the sky.

TABLE 19.

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	+7	·651	+·012	2·8	+0·7
Eastern Bengal and Assam	79	—1	·586	—·009	3·7	+0·1
Bengal	63	—1	·517	—·001	1·9	—0·3
United Provinces	45	—8	·313	—·054	1·6	—0·5
Punjab	52	—8	·308	—·049	3·0	+0·2
North-West Frontier Province.	56	—13	·302	—·059	4·3	+0·3
Sind	55	—2	·425	+·006	2·9	+0·4
Rajputana	39	—3	·293	—·035	2·2	—0·2
Bombay	52	—9	·468	—·055	1·1	—0·5
Central India	33	—8	·262	—·058	1·1	—0·3
Central Provinces	29	—14	·254	—·111	0·4	—1·3
Hyderabad	40	—10	·400	—·073	0·8	—0·4
Mysore	66	+3	·544	+·005	1·1	—0·5
Madras	73	—1	·729	—·028	2·0	—0·4

Rainfall.

14. Owing to the failure of the Persian depressions to advance eastwards into India in the usual manner the precipitation of the month was short of the normal in northern and central India. The departures were strongest in Orissa and the North-West Frontier Province where deficiencies of 1″ or 92 per cent. and 1·31″ or 72 per cent., were respectively recorded.

Scarcely any rain fell in the Punjab, the United Provinces and the Central Provinces, which under ordinary conditions obtain an average of about half an inch. Similar weather prevailed in the peninsula, particularly in Hyderabad and Madras which obtained only five cents of rainfall, the normal being about forty cents. On the other hand owing to the unsettled conditions described on

page 29, rainfall in the Bay Islands and Burma was much in excess of the normal amount. An appreciable excess occurred also in Assam.

TABLE 20.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure.
			"	"	"	
1. Bay Islands	5·0	0·5	4·53	0·20	+4·33	+2165
2. Lower Burma	3·1	0·4	3·38	0·26	+3·12	+1200
3. Upper do.	1·3	0·7	1·14	0·25	+0·89	+356
4. Assam	7·2	7·0	5·41	4·51	+0·90	+ 20
5. Eastern Bengal	2·4	2·5	1·67	1·79	−0·12	− 7
6. Bengal	1·5	1·9	0·57	1·15	−0·58	− 50
7. Orissa	0·3	1·9	0·09	1·09	−1·00	− 92
8. Chota Nagpur	0·3	1·5	0·15	0·71	−0·56	− 79
9. Bihar	0·6	0·8	0·21	0·38	−0·17	− 45
10. United Provinces, East	0	0·7	0·01	0·31	−0·30	− 97
11. Do., West	0	1·1	0	0·48	−0·48	−100
12. Punjab, East and North	0·3	1·5	0·09	0·72	−0·63	− 87
13. Do., Southwest	0·3	1·3	0·10	0·50	−0·40	− 80
14. Kashmir	5·1	5·0	2·00	2·66	−0·66	− 25
15. North-West Frontier Province	1·6	3·4	0·50	1·81	−1·31	− 72
16. Baluchistan	2·1	3·1	0·62	1·12	−0·50	− 45
17. Sind	0	0·4	0	0·16	−0·16	−100
18. Rajputana, West	0	0·2	0	0·07	−0·07	−100
19. Do., East	0	0·5	0	0·19	−0·19	−100
20. Gujarat	0	0·1	0	0·02	−0·02	−100
21. Central India, West	0	0·2	0	0·09	−0·09	−100
22. Do., East	0·1	0·7	0·01	0·30	−0·29	− 97
23. Berar	0	0·7	0	0·32	−0·32	−100
24. Central Provinces, West	0	0·8	0	0·36	−0·36	−100
25. Do., East	0·2	1·3	0·04	0·64	−0·60	− 94
26. Konkan	0·3	0·1	0·06	0·06	0	0
27. Bombay Deccan	0·3	0·4	0·11	0·19	−0·08	− 42
28. Hyderabad, North	0·1	0·8	0·02	0·34	−0·32	− 94
29. Do., South	0·1	0·8	0·05	0·49	−0·44	− 90
30. Mysore	0·8	0·6	0·30	0·31	−0·01	− 3
31. Malabar	0·7	1·0	0·36	0·57	−0·21	− 37
32. Madras, Southeast	0·1	0·6	0·05	0·44	−0·39	− 89
33. Do. Deccan	0·2	0·2	0·05	0·16	−0·11	− 69
34. Do. Coast, North	0·1	0·8	0·02	0·43	−0·41	− 95

TABLE 21.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	2·15	0·26	+1·89	+727
Eastern Bengal and Assam	3·55	3·7	+0·38	+ 12
Bengal	0·31	0·76	—0·45	— 59
United Provinces	0·01	0·39	—0·38	— 97
Punjab	0·09	0·68	—0·59	— 87
North-West Frontier Province	0·50	1·81	—1·31	— 72
Sind	0	0·16	—0·16	—100
Rajputana	0	0·15	—0·15	—100
Bombay	0·06	0·11	—0·05	— 45
Central India	0	0·17	—0·17	—100
Central Provinces	0·01	0·41	—0·40	— 98
Hyderabad	0·03	0·42	—0·39	— 93
Mysore	0·30	0·31	—0·01	— 3
Madras	0·07	0·41	—0·34	— 83
Mean of India when the size of the above areas is taken into account	0·56	0·58	—0·02	— 3

Snowfall.

I.—AFGHANISTAN.

15. No information has yet been received.

II.—NORTH-WEST FRONTIER PROVINCE.

(*a*) *Wano.*—Snow fell on the surrounding hills on the 2nd, 4th, 6th, 7th, 9th, 14th and 23rd, the lowest descent being to 7,000 feet. The falls were without exception light and melted quickly, so that on the last day of the month all the hills were quite bare of snow.

(*b*) *Kurram.*—Snow fell on two days (1st and 4th) at Parachinar, on seven days on the Sufed Koh and surrounding hills, and on five days on the Sufed Koh alone. No information is available in regard to the character of the falls. At the end of the month some snow remained unmelted on the higher passes.

(*c*) *Kohat.*—A snowstorm occurred on the 4th in the Samalzai hills giving light amounts of snow.

(*d*) *Hazara.*—At Narang on the Kagan range the total depth of snowfall during the month was 2 feet 9 inches, and the accumulations there on the 28th of the month were believed to be 10 feet deep.

III.—KASHMIR.

Snowstorms occurred less often than usual. There were in all four falls on the hills around Srinagar, and only one of these reached down into the main valley. At Sonemarg the aggregate fall of the month was equivalent to 23·36″ of rain, at Dras to 6·33″ and at Kargil to 2·06″. At Skardu only one fall was recorded, although as many as ten snowstorms occurred on the neighbouring hills. On the last day of the month the accumulations on the ground were reported to be 12 feet deep at Sonemarg, and 4 feet at Dras.

IV.—PUNJAB.

(*a*) *Murree.*—A fall of 4 inches was recorded at Murree on the 1st, but it did not extend to the hills adjacent to Kahuta.

(*b*) *Kailang.*—Snow fell on four days to a total depth of 13½ inches.

(*c*) *Kilba.*—There were altogether six falls on the hills near Kilba; the lowest level reached by the snowline was 8,000 or 9,000 feet, and here the total amount received was estimated at 14 inches. The depths of accumulations, as reported on the last day of the month, together with the corresponding normal values are given below :—

TABLE 22.

Name of pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Rupin pass	5 feet	15½ feet
Brua "	5 "	16 "
Harang "	3 "	6½ "
Shatul "	6 "	14 "
Buldar "	6 "	18 "
Runang "	1 foot	10½ "

V.—UNITED PROVINCES.

(*a*) *Garhwal.*—Snowfall was confined to the high ridges in the district and was heavy on the 27th and 28th. Weather was on the whole hot and dry.

(*b*) *Almora.*—No information is forthcoming from Malla Darma. In the rest of the mountain tract snowstorms were much less frequent than usual, no snow having fallen during the period from the 11th to the 26th. The total fall was reported to measure 6 feet on the Untadhura and Ralamdhura, 3¾ feet in Chaudas and 1 foot in Byans. The snowline descended to the foot of the hills. The statement below, provided by the local authorities, shows the actual

as well as the normal depth of accumulations on some of the peaks and passes at the end of the month.

TABLE 23.

Name of pass or peak.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Lipulekh pass	10 feet	22½ feet
Lampia "	10 "	22½ "
Binkaru "	15 "	27½ "
Ralamdhura	6 "	13 "
Untadhura	6 "	16½ "

SUMMARY.

16. No information is available respecting Afghanistan. In the hill districts of the North-West Frontier Province, the Punjab and the United Provinces the snowfall was in general light and decidedly below the average; while in Kashmir the aggregate fall was probably very nearly normal. At the end of the month the accumulations in the Simla and Almora hills were not half as thick as usual.

HEMRAJ.

TABLE A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 33 stations in India, etc., in March, 1910.

Table

Abstract of observations taken at 10 hrs. and 16 hrs. at 33

Number of subdivision.	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 sea-level 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-bulb. 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	18	29·937	29·793	·144	29·864	—·016	29·820	91·3	71·6	19·7	99·1	64·8	34·3	81·8	89·1	78·7	— 2·5	69·8	73·8	74·7	72·8
	III.—Bengal.																					
6	Calcutta	21	·837	·751	·136	·813	—·043	·780	91·5	69·7	21·8	98·0	57·3	40·7	83·1	89·9	79·7	+ 0·4	65·7	73·0	72·0	70·2
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad	309	·593	·461	·132	·518	—·030	·779	94·1	60·4	33·7	106·2	49·5	56·7	83·0	92·8	76·4	— 0·4	51·6	60·3	62·4	58·1
11	Dehra Dun	2,236	27·646	27·560	·086	27·595	—·033	·793	82·4	54·6	27·8	91·8	43·5	48·3	72·7	79·3	68·1	+ 1·1	48·1	56·1	57·1	53·8
	V.—Punjab.																					
12	Lahore	702	29·214	29·134	·080	29·168	+ ·001	·850	83·3	53·3	30·0	94·4	39·2	55·2	72·9	81·2	67·6	— 1·4	49·7	60·0	62·3	57·3
	VIII.—Rajputana.																					
19	Jaipur	1,431	28·501	28·393	·108	28·439	—·014	·820	91·7	60·4	31·3	102·5	44·0	58·5	82·4	89·6	75·6	+ 0·7	50·1	60·5	62·8	57·8
	Udaipur	1,925	·012†	27·906†	·106	27·953		·802‡	91·9	61·2	30·7	103·5	45·2	58·3	83·5	91·2	76·8		53·2	63·0	66·0	60·7
	IX.—Bombay.																					
26	Bombay	37	29·914	29·794	·120	29·850	—·027	·827	87·8	73·1	14·7	93·8	67·5	26·3	80·5	82·8	78·8	+ 0·8	67·4	71·4	72·9	70·6
	XI.—Central Provinces.																					
24	Nagpur	1,017	28·892	28·741	·151	28·812	—·022	·770	98·8	65·1	33·7	108·3	54·3	54·0	87·8	97·3	81·3	— 1·1	52·8	63·8	67·4	61·3
	XII.—Hyderabad.																					
29	Hyderabad	1,690	·227	·092	·135	·155	—·040	·752	98·3	70·0	28·3	105·8	60·0	45·8	87·7	96·0	83·5	+ 0·4	60·3	66·6	67·2	64·7
	XIII.—Mysore.																					
30	Bangalore	3,021	26·973	26·839	·134	26·906	—·026	·763	92·8	65·3	27·5	96·0	60·9	35·1	81·6	90·5	78·0	+ 1·3	57·9	66·0	64·3	62·7
	Mysore	2,518	27·452	27·304	·148	27·378	—·029	·768	93·7	66·8	26·9	97·0	61·7	35·3	81·6	92·2	79·3	— 0·1	62·5	68·9	67·3	66·2
	XIV.—Madras.																					
32	Pudukkottai	318	29·637	29·472	·165	29·555		·800	97·2	72·1	25·1	101·6	64·5	37·1	86·2	94·8	84·7		68·8	73·1	72·9	71·6
	Madras	22	·930	·805	·125	·868	—·037	·821	89·8	71·0	18·8	97·2	65·6	31·6	85·6	84·8	78·8	— 0·7	70·5	75·8	76·4	74·2
	Bay Islands.																					
1	Port Blair	58	838	·791	·107	·844	—·024	·831	86·3	74·1	12·2	89·6	70·0	19·6	82·4	84·0	78·6	— 3·7	71·8	76·1	76·2	74·7
	Kashmir.																					
14	Srinagar	5,204	24·921	24·849	·072	24·880	—·024	24·851	55·1	38·5	16·6	62·2	30·0	32·2	45·7	53·1	45·6	+ 0·5	36·4	43·2	49·3	43·0
	Leh	11,503	19·637	19·561	·076	19·597	—·061	19·565	45·8	21·1	24·4	59·6	9·6	50·0	34·9	41·7	32·4	+ 1·5	18·0	28·4	31·2	25·9
	Baluchistan.																					
16	Quetta	5,502	24·665	24·603	·062	24·627	0	24·587	62·3	36·8	25·5	76·7	19·5	57·2	54·7	53·2	49·8	— 2·8	33·9	44·1	45·8	41·3

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

† Mean of 30 days. ‡ Mean of 29 days.

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

A.

stations in India, etc., in March, 1910.

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.	
·707	·725	·667	·720	+·031	91	68	49	74	+ 6	4·7	5·6	5·1	+3·1	1	1	11	3	11	18	9	7	1	S 11° E	S 21° W	37	55	36	108	3·74	1·23	Rangoon	2
																															III.—Bengal.	
·596	·687	·555	·653	+·010	80	50	40	65	− 2	1·6	1·6	1·6	−0·6	1	5	3	1	5	11	21	8	7	S 51° W	S 60° W	44	41	142*	118	0·66	0·62	Calcutta	6
																															IV.—United Provinces of Agra and Oudh.	
·273	·228	·166	·233	−·125	51	21	11	31	−11	1·1	1·4	1·3	−0·9	1	2	2	4	1	1	4	23	24	N 67° W	N 63° W	65	41	101	122	0	0	Allahabad	10
·259	·245	·196	·236	−·055	61	31	20	38	− 9	3·1	3·7	3·4	−0·2	3	3	4	1	2	5	6	25	12	N 84° W	N 81° W	53	28	54*	50	0	0	Dehra Dun §	11
																															V.—Punjab.	
·322	·358	·319	·344	−·016	76	43	29	51	− 3	3·5	5·3	4·4	+0·9	5	5	4	1	2	2	1	12	30	N 49° W	N 12° W	61	31	67	70	0·05	0·05	Lahore	12
																															VIII.—Rajputana.	
·242	·265	·246	·255	−·050	46	23	17	32	− 7	2·5	3·1	2·8	−0·3		8	6	6	4	5	1	10	22	N 34° W	N 46° W	37	30	108*	108	0	0	Jaipur	19
·316	·328	·334	·317		58	28	22	35		1·2	1·6	1·4		10	3	2	9	8	1	4	17	8	N 86° W		14		76		0	0	Udaipur	
																															IX.—Bombay.	
·598	·653	·678	·670	−·067	73	63	60	69	− 6	0·5	0	0·3	−1·0		3	4	3	2	4	3	13	30	N 56° W	N 36° W	56	46	226*	262	0	0	Bombay	26
																															XI.—Central Provinces.	
·249	·297	·298	·277	−·069	40	23	17	28	− 6	0·2	1·0	0·6	−1·8	5	11	10	9	4	5	8	6	4	N 29° E	N 6° E	14	12	83	118	0	0	Nagpur	24
																															XII.—Hyderabad.	
·413	·389	·304	·370	−·090	56	30	18	36	− 8	0·2	2·1	1·1	−0·5	31		11		12		3	2	3	S 86° E	S 48° E	16	23	66	101	0	0	Hyderabad.	9
																															XIII.—Mysore.	
392	·453	·298	·390	−·057	62	43	21	44	− 6	0·3	1·0	0·7			2	8	16	11	9	6	8	2	S 53° E	S 36° E	32	46	158	118	0·01	0·01	Bangalore	0
515	·549	·360	·484	+·047	78	51	24	53	+ 6	1·1	3·0	2·1	−0·5		3	13	9	14	7	12	3	1	S 52° E	N 88° E	32	37	171	192	0·07	0·05	Mysore	
																															XIV.—Madras.	
562	·640	·536	·613		84	51	33	56		2·0	2·0	2·0		4	1	5	10	22	12	8			S 39° E		60		158		0	0	Pudukkottai	32
744	·760	·800	·792	−·010	98	62	67	79	+ 1	1·8	1·2	1·5	−0·7				3	29	17	13			S 17° E	S 44° E	79	81	150*	149	0	0	Madras	
																															Bay Islands.	
748	·814	·798	·814	−·078	89	74	69	81	+ 2	4·6	5·5	5·1	+2·0	21	2	13	6	14	1	3	1	1	N 87° E	N 63° E	34	66	101	101	8·12	2·50	Port Blair	1
																															Kashmir.	
197	·257	·317	·244	−·011	82	82	77	80 ††	− 1	5·9	6·6	6·3	+0·6	12	5	1	1	3	2	1	6	31	N 48° W	N 24° W	55	16	60	115	3·44	1·07	Srinagar	14
179	·103	·091	·094	−·008	64	50	35	52	− 6	7·0	7·9	7·5	+1·0					2	17	21	21	1	S 47° W	S 45° W	77	23	85*	48	0·12	0·12	Leh	
																															Baluchistan.	
** 82	·187	·176	·180	−·028	** 71	44	36	51	− 5	4·5	5·4	4·9	+0·8	5	8	2			5	16	7	16	N 81° W	S 78° W	47	30	85	96	1·17	0·37	Quetta ¶	13

* Uncorrected for scale error. § Wind observations less 1. ‖ Mean of 30½ days.

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

¶ Wind variable 3. ** Mean of 24 days. †† Mean of three previous columns.

Tabl

Abstract of observations taken at 10 hrs. and 16 hrs. at 3

Number of subdivision.	Station.	Elevation of barometer above sea-level, in feet.	Pressure. Mean of 10 hrs.	Pressure. Mean of 16 hrs.	Pressure. Mean daily range.	Pressure. Mean of daily mean pressures.	Pressure. Departure from normal.	Pressure. Mean reduced to sea-level and gravity, 45° Lat.	Temperature of air. Mean maximum.	Temperature of air. Mean minimum.	Temperature of air. Mean daily range.	Temperature of air. Highest maximum.	Temperature of air. Lowest minimum.	Temperature of air. Absolute range.	Temperature of air. Mean 10 hrs.	Temperature of air. Mean 16 hrs.	Temperature of air. Mean of daily means.	Temperature of air. Departure from normal.	Temperature, wet-bulb. Mean minimum.	Temperature, wet-bulb. Mean 10 hrs.	Temperature, wet-bulb. Mean 16 hrs.	Temperature, wet-bulb. 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	7,232	23·115*	23·073	·042	23·087	—·011	23·018*	57·0	43·7	13·3	66·9	31·0	35·9	51·8*	54·3	50·6	−0·9	36·2	40·8*	42·4	39·8
	Sarain		·153	·091	·062	·112		·074	57·6	35·7	21·9	69·2	24·5	44·7	51·4	54·1	46·9			40·9	43·0	
	Kalabagh								Observations not available.													
	Chakrata	7,022	23·297	23·247	·050	23·259	—·022	23·219	64·5	44·6	19·9	74·9	32·9	42·0	54·9	57·0	54·8	+1·5	37·5	43·9	45·7	42·4
	Muktesar	7,592	22·846	22·781	·065	22·806		22·764	62·6	43·7	18·9	74·5	32·5	42·0	54·5	59·1	53·5		34·9	42·2	45·0	40·7
	Katmandu	4,388	25·633	25·525	·108	25·576	—·035†	25·550	77·3	45·6	31·7	85·4	36·8	48·6	66·4	72·3	61·7	+0·9†	43·0	54·8	55·5	51·1
	Darjeeling	7,376	22·980	22·902	·078	22·938	−·056	22·893	57·3	43·3	14·0	63·3	33·2	30·1	52·9	52·4	50·6	+0·9	40·1	47·3	47·1	44·8
	Pachmarhi	3,528	26·494	26·429	·065	26·453	—·011	26·401	85·7*	58·0	27·7	95·2	42·6	52·6	76·9	84·6	72·1*	—0·6	47·1	55·5	58·1	53·6
	Mount Abu	3,945	·097	·022	·075	·051	—·017	·001	77·8	62·5	15·3	88·8	50·4	38·4	72·9	75·8	70·4	+0·5	46·6	53·4	55·3	51·8
	Chikalda	3,642	·386	·280	·106	·325	—·038	·269	86·8	64·1	22·7	94·3	52·7	41·6	76·5	84·9	75·8	—0·8	50·6	56·3	59·6	55·5
	Ootacamund	7,327	23·097	23·023	·074	23·054		22·990	69·9	47·7	22·2	74·6	40·6	34·0	65·6	65·9	59·1		43·1	49·8	52·1	48·3
	Kodaikanal	7,688	22·857	22·794	·063	22·826		·761	68·6	50·8	17·8	74·1	46·9	27·2	64·2	63·5	59·7		41·4	49·1	52·8	47·8
	Dodabetta	8,539	·104	·041	·063	·067		·003	64·0	47·8	16·2	68·3	43·5	24·8	59·5	59·4	56·2		40·5	46·5	49·7	45·6
	Extra India.																					
	Minicoy	7	29·960	29·896	·064	29·932																
	Zanzibar	72	·863	·762	·121	·827	—·033	29·824	87·4	80·1	7·3	89·1	76·9	12·2	84·0	86·9	82·5	+1·0	74·3	77·7	77·8	76·6
	Diego Garcia								Observations not received.													
	Seychelles	15	29·945	29·854	·091	29·904	—·001†	·845	84·7	77·9	6·8	86·5	74·6	11·9	82·4	83·5	80·3	+1·4†	72·7	77·1	77·5	75·8
	Mauritius	181							Observations not received.													

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 20 days.

A—*concluded.*

stations in India, etc., in March, 1910—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.	
·140	·141*	·150	·142	—·032	50	37*	36	42	— 7	5·7	6·5	6·1	+1·1																0·96	0·37	Simla.	
	·151	·165				41	40			6·9	7·3	7·1		9	2	12	5	2	8	16	4	4	S 23° W		13		74		¶ 1·47	0·58	Sarain.	
									Observations not available.																						Kalabagh.	
·154	·173	·192	·171	—·018	54	41	42	47	— 5	3·0	4·3	3·7	—0·3	17	12	1		3	29				S 8° E	S 39° W	31	13	115	170	0·36	0·31	Chakrata.	
·117	·143	·157	·137		42	35	33	38		4·5	5·9	5·2		17		2	4		3	2	34		S 84° W		48		208		0·23	0·09	Muktesar.	
·250	·300	·251	·265	—·036	81	46	33	54	— 7	1·7	4·5	3·1	—0·2				27			1	34		S 83° W	N 82° W	13	47	181	32	0·94	0·37	Katmandu.	
·218	·273	·272	·252	—·002	78	68	69	73	— 2	5·2	7·0	6·1	+1·0	27	1	3		1		10	18	2	S 82° W	S 78° W	39	42	103	180	3·83	1·02	Darjeeling.	
·203	·198	·177*	·188	—·063	43	22	15*	27	— 7	0	0	0	—2·3	2	8	12	2	3	2	3	10	20	N 29° W	N 57° W	45	32	127	120	0	0	Pachmarhi.	
·146	·193	·212	·179	—·032	24	23	23	23	— 8	1·4	1·6	1·5	—0·8		4	3	4	4	2	13	17	15	N 84° W	N 81° W	45	38	167	173	0	0	Mount Abu.	
·216	·225	·217	·214	—·058	37	25	18	27	— 5	0·8	0·9	0·9	—1·4																0	0	Chikalda.	
·229	·194	·247	·224		72	32	40	49		1·7	3·8	2·7			1	10	32	12	4	1	2		S 83° E		72		152		0·25	0·26	Gotacamund.	
·172	·200	·295	·222		46	33	50	43		0·7	3·1	1·9			14	17	7	20	2			1	N 71° E		56		‡ 328		0·01	0·01	Kodaikanal §	
·178	·184	·259	·207		54	37	52	48		2·1	3·8	2·9		1	4	22	22	13					N 78° E		77		441		0·13	0·11	Dodabetta.	
																															Extra India.	
										2·5	2·8	2·7			23	11	3	5		2	4	14	N 2° W		58		103		1·29	1·29	Minicoy.	
·69	·862	·826	·850	—·067	75	74	65	74	— 7						13	18	6	3	4	7	5	6	N 15° E	S 44° E	31	13	126	130	0·31	0·12	Zanzibar.	
									Observations not received.																						Diego Garcia.	
·35	·864	·863	·843	—·013	77	78	75	81	— 2	6·1	7·1	6·6	† —0·1		8	12	18	10	3		2	9	N 63° E	N 17° W	45	39	‡ 109	118	12·27	3·06	Seychelles.	
									Observations not received.																						Mauritius.	

† Departure from old normal.

¶ Rain, hail and snow water.

§ Wind variable 1.

‡ Uncorrected for scale error.

Table B.—Abstract of observations taken at 8 hrs. at 241 stations in India, etc., in March, 1910.

(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 2,000 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	—·016	89·7	—3·6	67·5	—0·3	78·6	—1·9	22·2	36·3	—0·5	—16	80	+ 7	·651	+·012	2·8	+0·7	2·15	0·26	+1·89
Eastern Bengal and Assam	—·018	85·8	—1·0	63·6	—0·3	74·7	—0·6	22·2	41·7	—1·1	+ 3	79	— 1	·586	—·009	3·7	+0·1	3·55	3·17	+0·38
Bengal	—·033	91·7	—0·1	65·7	—0·4	78·7	—0·2	26·0	45·9	+0·2	+ 3	63	— 1	·517	—·001	1·9	—0·3	0·31	0·76	—0·45
United Provinces of Agra and Oudh.	—·026	89·9	+0·6	59·0	—1·2	74·5	—0·3	30·9	53·9	—0·2	+ 3	45	— 8	·313	—·054	1·6	—0·5	0·01	0·39	—0·38
Punjab	0	82·9	—1·4	55·0	—1·2	68·9	—1·3	27·8	54·1	+0·2	+14	52	— 8	·308	—·049	3·0	+0·2	0·09	0·68	—0·59
North-West Frontier Province	—·009	76·5	—3·3	52·4	—1·3	64·5	—2·3	24·1	48·8	—0·6	+ 9	56	—13	·302	—·059	4·3	+0·3	0·50	1·81	—1·31
Sind	—·009	88·1	—0·6	63·1	—0·9	75·6	—0·7	25·0	53·1	—1·1	+19	55	— 2	·425	+·006	2·9	+0·4	0	0·16	—0·16
Rajputana	—·017	91·0	+1·0	60·8	—1·2	75·9	—0·1	30·1	57·7	—0·1	+ 2	39	— 3	·293	—·035	2·2	—0·2	0	0·15	—0·15
Bombay	—·021	92·9	+0·6	67·0	—0·6	79·9	0	25·9	45·8	—0·2	+ 6	52	— 9	·468	—·055	1·1	—0·5	0·06	0·11	—0·05
Central India	—·024	92·3	+0·4	59·9	—1·0	76·1	—0·3	32·3	57·6	—0·8	+ 9	33	— 8	·262	—·058	1·1	—0·3	0	0·17	—0·17
Central Provinces	—·025	95·6	+0·2	64·3	—2·2	80·0	—1·0	31·3	53·3	+0·4	+ 2	29	—14	·254	—·111	0·4	—1·3	0·01	0·41	—0·40
Hyderabad	—·032	98·4	+0·8	69·6	—0·1	84·0	+0·3	28·8	49·1	—1·0	+ 5	40	—10	·400	—·073	0·8	—0·4	0·03	42	—0·39
Mysore	—·017	93·0	+0·6	65·9	—0·1	79·5	+0·3	27·1	36·7	+0·5	+20	66	+ 3	·544	+·005	1·1	—0·5	0·30	0·31	—0·01
Madras	—·025	93·6	+0·1	72·7	—0·7	83·1	—0·3	20·9	32·4	+0·2	+ 2	73	— 1	·729	—·023	2·0	—0·4	0·07	0·41	—0·34

Table

(2) Abstract of observations taken at 8 hrs. at 241

Number of subdivision.	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
	I.—Burma.																						
2	Mergui	56	29·880	—·021	29·868	29·962	11th	29·797	2nd & 3rd.	·165	77·4	88·2	—3·0	72·2	+0·3	80·2	—1·3	16·0	91·9	30th	69·9	11th	22·0
	Tavoy	19	29·929	—·025	29·880	30·007	11th & 12th.	29·851	2nd	·156	74·8	90·5	—2·8	70·4*	+0·4*	80·2*	—1·2	20·1	98·0	4th	63·8	1st	34·2
	Moulmein	94	29·858	—·002	29·892	29·953	11th	29·766	2nd	·187	75·7	90·9	—3·2	72·4	—0·3	81·6	—1·7	18·5	97·0	30th	66·8	1st & 2nd	30·2
	Rangoon	18	29·921	—·022	29·877	29·997	13th	29·828	2nd	·169	74·1	91·2	—5·4	71·5	+0·4	81·4	—2·5	19·7	99·1	30th	64·9	2nd	34·2
	Bassein	27?	29·906	—·016	29·871	29·993	12th	29·815	2nd	·178	74·5	91·0	—3·4	70·6	+0·1	80·8	—1·7	20·4	98·7	4th	66·4	16th	30·3
	Diamond Island	41	29·901	—·023	29·877	29·982	13th	29·807	2nd	·175	78·9	83·9	—1·7	73·7	—1·3	78·8	—1·5	10·2	86·9	28th	70·2	16th	16·7
	Toungoo	164	29·759	—·014	29·838	29·841	11th	29·684	31st	·157	74·6	91·5	—6·3	67·7	—0·8	79·6	—3·5	23·8	98·5	30th	58·8	2nd	39·7
	Kyaukpyu	18	29·916		29·874	30·015	13th	29·857	31st	·158	74·1	82·9		68·8		75·8		14·1	88·0	10th & 23rd.	62·4	1st & 5th.	25·6
	Akyab	20	29·913	—·032	29·876	30·014	13th	29·848	20th	·166	71·9	85·5	—3·6	68·3	—0·6	76·9	—2·1	17·2	88·9	4th	59·5	1st, 2nd & 6th.	29·4
3	Thayetmyo	121	29·803‡	—·011‡	29·869‡	29·914	11th	29·664	31st	·250	73·7	94·1	—5·7	65·0	—1·5	79·6	—3·6	29·1	102·5	31st	56·4	1st	46·1
	Minbu	*165*	29·737	—·017	29·850	29·847	12th	29·645	31st	·202	72·8	94·5	—4·8	68·0	—1·3	81·3	—3·1	26·5	101·8	31st	60·5	2nd	41·3
	Yamethin	657	29·231	—·025	29·852	29·346	12th	29·137	31st	·209	73·0	92·1	—7·0	66·9‡	—1·2‡	79·5‡	—4·1	25·2	101·3	31st	60·0	2nd & 3rd	41·3
	Mandalay	250	29·663	+·002	29·867	29·783	11th & 12th.	29·556	31st	·227	75·8	97·1	—0·6	68·7	+1·6	82·6	+0·5	28·4	106·0	29th	61·1	2nd	44·9
	Monywa	*280*	29·638		29·857	29·741	12th	29·539	31st	·202	72·1	94·9		67·4		81·2		27·5	103·8	26th & 27th.	57·6	2nd	46·2
	Lashio	*2,751*	27·11	—·024	27·057	27·207	11th	27·027	31st	·180	63·6	84·8	—1·4	56·4	+0·7	70·6	—0·3	28·4	92·3	30th	46·5	1st	45·8
	Bhamo	*381*	29·543	+·007	29·894	29·663	13th	29·419	21st	·244	65·4	88·0	—1·0	59·5	—0·6	73·8	—0·8	28·5	96·4	26th	48·1	1st	48·2
	Myitkyina	458	29·441		29·875	29·560	14th	29·299	21st	·261	65·4	83·7		60·5		72·1		23·2	92·7	26th	51·0	1st & 4th	41·7
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	353	29·568		29·895	29·695	13th	29·323	21st	·372	64·8	76·7		61·3		69·0		15·4	87·4	20th	55·6	2nd	31·8
	Sibsagar	333	29·603	—·023	29·905	29·720	13th	29·361	21st	·359	64·8	77·1	—2·0	60·4	+0·4	68·8	—0·8	16·7	88·1	20th	53·5	14th	34·6
	Tezpur	252	29·666		29·887	29·788	13th	29·452	21st	·336	65·5	82·4		62·7		72·5		19·7	92·1	20th	54·9	1st & 8th	37·2
	Gauhati	195	29·730†		29·888†	29·842	13th	29·528	21st	·314	63·0	84·8		59·5¶		72·1¶		25·3	92·8	23rd	48·1	7th	44·7
	Dhubri ‡	115									67·7	84·5	—2·0	63·3	—0·1	73·9	—1·1	21·2	95·5	26th	53·2	2nd	42·3
	Silchar	104	29·849	—·008	29·910	29·958	13th	29·737	21st	·221	68·1	85·5	—0·5	62·8	—0·4	74·2	—0·5	22·7	91·3	24th	51·3	1st	40·0
5	Cox's Bazar	36	29·874		29·855	29·974	13th	29·797	31st	·177													
	Chittagong	87	29·839	—·026	29·876	29·945	13th	29·733	31st	·212	72·6	85·7	—1·0	65·5	—2·1	75·6	—1·5	20·2	91·5	10th	55·0	1st	36·5
	Noakhali	43	29·878		29·868	30·004	13th	29·751	31st	·253	74·5	85·2		68·6		76·9		16·6	89·3	10th & 11th.	56·9	7th, 8th & 9th.	32·4
	Barisal	12	29·894	—·023	29·852	30·015	13th	29·757	31st	·258	74·7	87·9	—1·4	68·0	—1·2	77·9	—1·3	19·9	92·3	23rd	56·6	7th	35·7
	Comilla	36	29·879		29·864	29·997	13th	29·752	31st	·245	72·8	87·7		67·4		77·6		20·3	91·3	31st	57·3	7th	34·0
	Narayanganj	26	29·878†	—·023†	29·853†	29·994	13th	29·749	31st	·245	73·1	88·0	—2·0	67·6	—0·6	77·8	—1·3	20·4	92·5	25th	56·8	1st	35·7
	Faridpur	46	29·858		29·855	29·993	12th	29·704	31st	·289	72·5	89·3		65·2		77·2		24·1	97·8	25th	49·9	1st	47·9
	Sirajganj	49	29·847		29·847	29·982	13th	29·691	31st	·291	70·1	88·8		64·3		76·6		24·5	99·9	26th	52·3	7th	47·6
	Mymensingh	63	29·856	—·009	29·872	29·977	13th	29·716	31st	·261	71·2	87·0	+0·1	65·1	+0·7	76·0	+0·4	21·9	97·1	26th	55·1	1st	42·0
	Bogra	75	29·832	+·003	29·861	29·970	12th	29·680	21st	·290	73·2	89·8	—0·4	64·0	+0·1	76·9	—0·1	25·8	102·2	26th	52·2	1st, 7th & 15th.	50·0
	Rampur Boalia	70	29·823		29·843	29·983	1 &	29·644	31st	·339	72·5	89·9		65·7		77·8		24·2	101·1	26th	51·1	1st	50·0
	Malda	72	29·800		29·825	29·953	12th	29·631	21st	·322	71·3	89·0		62·6†		75·8†		26·4	100·3	26th	49·5	1st	50·8
	Dinajpur	123	29·743	—·031	29·826	29·903	10th	29·569	21st	·334	67·4	89·0	—0·1	60·7	—0·6	74·9	—0·3	28·3	100·8	26th	50·5	1st	50·3
	Rangpur	123	29·775		29·857	29·921	10th	29·587	1st	·334	69·4	86·7		59·2†		72·8†		27·5	97·6	26th	49·0	1st	48·6

* Mean of 27 days. † Mean of 30 days. ‡ Mean of 24 days.

N.B.—Elevations in italics indicate barometrical determinations. ¶ „ „ 29 „

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, 1910.

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., 1909, to 31st March, 1910.	Normal rainfall for period, 1st Dec. to 31st March.	Departure from normal of period, 1st Dec., 1909, to 31st March, 1910.	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.
11									(a)	N 27° W	1·8	2·2	−0·4			89	+ 8	·825	−·010	1·1	−2·3	4	4·70	−0·70	2·97	3·28	−0·31	13·98	6·30	+7·68	2·03	Mergui.
11									(a)	N 34° W	1·0§†	1·6	−0·6			89	+ 4	·773	+·002	2·7	+0·3	7	1·60	+5·40	4·63	1·24	+3·39	5·67	2·16	+3·51	1·85	Tavoy.
8		2	19	1			1		N 88° E	S 58° E	4·4	3·3	+1·1	66	+ 1	89	+ 9	·791	+·005	4·5	+2·6	3	0·60	+2·40	3·71	0·36	+3·35	3·71	1·02	+2·69	2·25	Moulmein.
9	2	7	2		6	1	2	2	N 59° E	S 64° W	4·1	4·5	−0·4	19	−58	87	+ 2	·735	−·001	6·0	+4·0	5	0·50	+4·50	3·74	0·20	+3·54	3·74	0·72	+3·02	1·28	Rangoon.
10	1					1	6	3	N 74° W	N 55° W	5·1†	5·6	−0·5	30	−38	87	+ 3	·752	−·026	3·1	+1·1	2	0	+2·00	2·16	0·01	+2·15	2·29	0·57	+1·72	1·35	Bassein.
2	6	5	1	2		1	3	11	N 20° W	N 30° W	11·2	9·3	+1·9	53	−20	77	+ 1	·766	+·006	2·8	0	4	0	+4·00	4·55	0·05	+4·50	4·74	1·03	+3·71	1·88	Diamond Island.
2	1	3		8	3	2		2	S 42° E	S 51° E	1·6	3·1	−1·5	27	−16	80	+ 6	·682	+·005	2·4	+0·3	4	0·30	+3·70	6·41	0·11	+6·30	6·59	0·51	+6·08	4·19	Toungoo.
2	1	9	2	12	2	2	1		S 72° E		4·0§			49		87		·743		2·0		3			3·53			5·06			2·58	Kyaukpyu.
1	5	12	6	3		1			N 56° E	N 32° E	3·5	3·7	−0·2	62	−13	88	+ 6	·694	−·008	3·4	+1·0	1	0·60	+0·40	0·42	0·52	−0·10	3·42	1·40	+2·02	0·42	Akyab.
1	2	3		7	7	5	1	5	S 7° W	S 68° W	5·4‡	4·8	+0·6	27	−12	75	+16	·632	+·031	1·9	+1·3	4	0·10	+3·90	4·17	0·03	+4·14	4·45	0·24	+4·21	2·11	Thayetmyo.
1			1	10	6	2	2	6	S 2° E	S 63° E	2·9	7·4	−4·5	23	0	67	+ 9	·546	+·019	2·2	+1·7	3	0·10	+2·90	5·95	0·04	+5·91	6·57	0·70	+5·87	5·20	Minbu.
2				10	6	1		2	S 22° E	S 38° E	2·7	4·6	−1·9	43	− 8	73†	+20	·619†	+·083	1·4	+0·7	2	0·30	+1·70	4·03	0·21	+3·82	4·40	1·16	+3·24	2·77	Yamethin.
1				5	6	3	2	1	S 8° W	S 8° W	4·9	4·2	+0·7	33	+ 7	56	+ 2	·487	−·021	1·6	+0·3	0	0·40	−0·40	0·04	0·16	−0·12	0·07	0·55	−0·48	0·03	Mandalay.
10	2	2	5	1			6		N 13° W		3·8†			37		67		·537		1·9		1	10·50	+0·50	0·25	0·24	+0·01	0·69	0·39	+0·30	0·25	Monywa.
3	8	4		2	2		1		N 51° E		4·0§			33		73	+ 1	·433	+·013	1·7	−3·0	0			0·12	0·58	−0·46	0·63	1·92	−1·29	0·05	Lashio.
	4								N 45° E	N 3° W	2·1	3·3	−1·2	13	−16	86	+ 7	·516	+·023	4·1	+2·2	2	1·90	+0·10	0·73	0·66	+0·07	3·98	2·19	+1·79	0·38	Bhamo.
2	1	8	1			1			N 82° E		2·3			30		81		·505		4·8		4			1·65			4·21			0·76	Myitkyina.
																																II.—Eastern Bengal and Assam.
1	6	9	2			1			N 78° E		1·8			46		91		·552		7·0		11	10·00	+1·00	7·02	5·34	+1·68	10·45	10·23	+0·22	1·46	Dibrugarh.
2	12			2	1	2			N 52° E	N 51° E	2·7	3·0	−0·3	33	−17	91	− 2	·557	+·001	7·3	+1·1	13	9·80	+3·20	7·74	5·11	+2·63	10·36	8·97	+1·39	2·08	Sibsagar.
	12	2	1						N 55° E		5·2			46		82		·522		4·8		7	5·50	+1·50	2·76	2·68	+0·08	3·65	4·63	−0·98	0·59	Tezpur.
									(a)		3·2					79		·514		5·6		6	5·40	+0·60	3·39	2·82	+0·57	4·25	4·43	−0·18	1·17	Gauhati.
	10	10	1			3			N 75° E	N 72° E	3·3‖	6·3	−3·0	53	+ 6	76	+ 1	·531	+·007	2·0	−0·6	7	2·40	+4·60	7·28	1·88	+5·40	7·89	2·86	+5·03	1·50	Dhubri.
		8	3			1			S 74° E	S 83° E.	2·5†	3·0	−0·5	30	+14	82	0	·580	−·007	3·5	−1·4	8	10·80	−2·80	5·65	8·61	−2·96	8·21	12·10	−3·89	2·04	Silchar.
	2	11	3	1					S 82° E		4·4			48						2·8		0			0			1·75			0	Cox's Bazar.
	11	3	8	5					S 79° E	N 87° E	4·3	5·5	−1·2	53	− 1	84	+ 1	·686	−·005	3·5	+0·3	0	2·77	−2·77	0·06	2·74	−2·68	6·25	4·87	+1·38	0·06	Chittagong.
	2	4	8	7	8				S 16° E		4·6			58		81		·695		3·7		1	3·26	−2·26	1·14	2·75	−1·61	4·22	4·57	−0·35	1·12	Noakhali.
3	1		4	8	7	1	2		S 20° W	S 18° W	3·0	3·7	−0·7	40	+27	80	− 5	·688	−·066	2·2	−1·7	2	3·03	−1·03	0·69	1·96	−1·27	4·31	4·27	+0·04	0·44	Barisal.
1	1	1	4	7					S 32° E		2·7			32		85		·703		2·7		3	3·93	−0·93	5·49	2·74	+2·75	8·70	4·47	+4·23	3·25	Comilla.
2		2	6	6	6	2	3		S 11° W	S 13° W	4·4	5·0	−0·6	33	− 6	79	− 4	·660	−·037	5·1	+0·9	2	3·18	−1·18	1·52	2·75	−1·23	2·70	4·57	−1·87	0·95	Narayanganj.
1		1	7	14	2		1		S 12° E		4·5			65		78		·636		3·9		2	3·50	−1·50	0·76	2·30	−1·54	1·98	4·19	−2·21	0·34	Faridpur.
2		4	6	8	4	1	1		S 18° E		4·6			42		79		·595		4·9		2	2·20	−0·20	2·85	1·26	+1·59	3·91	2·75	+1·16	1.66	Sirajganj.
2	2	8	10	3			2		S 71° E	S 76° E	2·7	3·2	−0·5	53	− 8	77	− 4	·601	−·009	5·7	+2·1	4	3·52	+0·48	3·83	2·03	+1·80	5·53	3·61	+1·92	1·89	Mymensingh.
2	1	7		6			2		S 59° E	S 53° E	2·5	3·6	−1·1	23	− 1	65	− 9	·550	−·012	1·3	−1·1	2	1·74	+0·26	3·84	1·33	+2·51	4·82	2·77	+2·05	2·11	Bogra.
1	2	1	1	3	9	2			S 32° W		4·3			32		74		·612		3·7		1	1·68	−0·68	0·30	1·15	−0·85	0·92	2·40	−1·48	0·20	Rampur Boalia.
3	5	4	4	5	7				S 40° E		5·2§			26		73		·557		0·3		2	1·10	+0·90	0·71	0·82	−0·11	2·11	2·49	−0·38	0·50	Malda.
9	3	10	1	1	2	3	1		N 70° E	S 14° W	2·9	4·9	−2·0	27	+24	74	+ 8	·509	+·033	2·4	+0·5	2	1·19	+0·81	1·20	0·67	+0·53	2·05	1·59	+0·46	0·60	Dinajpur.
1	3	6	5	3	2		1		S 66° E		2·3			32		71		·526		1·1		2	1·68	+0·32	1·76	1·16	+0·60	2·57	2·17	+0·40	0·96	Rangpur.

(a). Indeterminate.

§ Uncorrected for scale error.

‖ Mean of 17 days.

Tab

(2) *Abstract of observations taken at 8 hrs. at 241 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	
	II.—Eastern Bengal and Assam—*concld.*																						
5	Jalpaiguri	283	29·604	—·024	29·855	29·783	10th	29·401	21st	·382	66·3	84·5	—0·3	61·0	+1·3	72·8	+0·5	23·5	91·9	27th	50·9	1st	4
	Cooch Behar	156	29·742		29·860	29·909	10th	29·538	21st	·371	66·6	83·2		61·1		72·1		22·1	92·8	26th	50·6	1st	4
	III.—Bengal.																						
6	Saugor Island	25	29·865	—·037	29·835	30·011	13th	29·732	31st	·279	77·6	87·7	+0·5	74·3	−0·7	81·0	−0·1	13·4	91·0	23rd	64·0	11th	2
	Midnapore	149	29·730		29·828	29·876	13th	29·586	31st	·290	75·2	96·4		69·7		83·1		26·7	103·3	25th	59·2	7th	4
	Calcutta	21	29·868	—·037	29·835	30·017	13th	29·715	31st	·302	74·4	91·2	+0·4	69·5	0	80·4	+0·2	21·7	98·2	25th	57·5	7th	4
	Jessore	33	29·859	—·032	29·839	29·988	13th	29·695	31st	·293	73·9	90·5	−1·9	67·6	—0·6	79·0	—1·3	22·9	99·5	25th	51·7	1st	4
	Krishnagar	47	29·831		29·828	29·991	13th	29·666	31st	·325	70·6	92·1†		65·9		79·5†		26·2	99·4	25th	51·0	7th	4
	Burdwan	99	29·781	—·039	29·830	29·933	12th & 13th	29·613	31st	·320	73·1	94·0	+0·3	68·1	—0·3	81·1	0	25·9	101·9	22nd & 29th.	55·8	7th	4
	Bankura	313	29·559		29·829	29·713	12th & 13th.	29·395	31st	·318	74·6	95·1		67·8		81·4		27·3	104·1	22nd	57·7	7th	4
	Raniganj	334	29·550		29·846	29·708	13th	29·384	31st	·324	71·5	94·4		66·7		80·6		27·7	103·5	26th	55·0	6th	4
	Berhampore	67	29·818	—·029	29·836	29·969	12th	29·647	31st	·322	71·8	91·5	—1·2	66·7	+1·0	79·1	—0·1	24·8	101·1	26th	55·2	1st	4
	Naya Dumka	489	29·381		29·840	29·570	10th	29·210	31st	·360	73·4	92·5		65·0		78·7		27·5	102·9	26th	54·0	1st & 7th	4
7	Balasore	50	29·844	—·028	29·839	30·001	13th	29·701	31st	·300	76·0	93·2	+0·5	69·5	—0·1	81·3	+0·2	23·7	97·9	22nd & 29th.	58·6	7th	3
	False Point	21	29·895	—·021	29·856	30·036	13th	29·775	31st	·261	78·0	86·1	—1·2	71·0	−1·2	78·5	−1·2	15·1	92·2	20th	58·6	7th	3
	Cuttack	80	29·819	—·033	29·844	29·964	12th	29·699	31st	·265	76·1	96·2	−0·8	71·8	—0·7	84·0	—0·7	24·4	103·9	23rd	64·2	7th	3
	Puri	24	29 887		29·850	30·029	13th	29·772	31st	·257	78·2	86·5		75·3		80·9		11·2	90·6	19th	66·1	7th	2
	Angul	155	29·436		29·860	29·579	12th	29·304	31st	·275	73·5‡	96·8		66·7		81·8		30·1	104·6	22nd	57·0	14th	4
	Sambalpur	486	29·409	—·033	29·852	29·578	12th	29·266	31st	·312	75·6	97·2	+0·5	65·2	—2·1	81·2	−0·8	32·0	105·6	30th	52·6	6th	5
8	Chaibassa	*733*	29·132	—·039	29·837	29·293	13th	28·973	29th	·320	70·7	96·1	+1·3	65·1	−1·9	80·6	—0·3	31·0	106·1	30th	53·8	7th	5
	Ranchi	2,128	27·755	—·021	29·859	27·905	12th	27·627	31st	·278	71·8	89·5	+1·9	65·0	+1·7	77·3	+1·8	24·5	100·2	30th	53·9	6th & 7th	4
	Purulia	*816*	29·045		29·829	29·194	11th	28·911	21st	·283	70·6	95·4		66·0		80·7		29·4	104·5	30th & 31st.	57·1	1st, 6th & 7th.	4
	Hazaribagh	2,007	27·860	—·035	29·834	28·014	12th	27·723	31st	·291	74·6	88·5	—0·1	64·4	+0·6	76·4	+0·3	24·1	99·7	30th	54·3	6th	4
	Daltonganj	*730*	29·165		29·877	29·353	12th	28·987	29th	·366	67·2	93·2		59·4		76·3		33·8	106·1	30th	47·0	6th	5
9	Purnea	134	29·757	+·012	29·850	29·929	11th	29·581	21st	·348	69·4	89·1	—0·8	60·1	—0·3	74·6	−0·5	29·0	100·5	26th	49·2	13th	5
	Bhagalpur	160	29·711		29·826	29·889	12th	29·541	31st	·348	74·3	90·8		63·9‡		77·2‡		26·9	101·2	27th	51·8	1st	4
	Monghyr	155	29·713		29·824	29·899	10th	29·542	31st	·357	73·0	89·4		65·0		77·2		24·4	98·7	27th	55·9	6th	4
	Darbhanga	165	29·702	—·031	29·829	29·864	12th	29·520	31st	·344	69·7	89·7	+1·8	60·7	—2·2	75·2	—0·2	29·0	99·6	26th	51·3	1st & 6th	4
	Pusa	188	29·675		29·823	29·848	10th	29·501	31st	·347	69·4	90·7		58·5		74·6		32·2	100·3	26th & 27th.	47·4	6th	5
	Muzaffarpur	177	29·690		29·830	29·878	10th	29·501	31st	·377	69·8	89·3		60·1		74·7		29·2	99·2	26th	49·5	1st	4
	Motihari	221	29·636		29·825	29·821	12th	29·453	31st	·368	68·0	88·2		58·5		73·3		29 7	98·1	26th	48·8	1st	4
	Chapra	181	29·679		29·820	29·862	12th	29·495	31st	·367	68·4	85·8§		62·0		75·4§		23·8	99·7	25th & 26th.	52·9	1st	4
	Patna	183	29·680	—·044	29·821	29·863	12th	29·502	31st	·361	73·2	89·1	—1·8	64·9	+0·9	77·0	—0·5	24·2	98·0	27th & 28th.	54·7	6th	4
	Arrah	190	29·675		29·823	29·860	12th	29·497	31st	·363	71·7	91·7		62·1		76·9		29·6	101·6	29th	52·5	1st	4
	Buxar	239	29·621		29·823	29·817	12th	29·445	31st	·372	70·4	92·4		64·0		78·2		28·4	103·0	29th & 30th.	53·1	12th	4
	Dehri	351	29·487‖		29·801‖	29·701	12th	29·285	29th	·416	72·1	93·7		66·4¶		79·9¶		27·3	105·8	29th	57·0	6th	4
	Gaya	372	29·490	—·052	29·825	29·674	12th	29·305	29th	·369	74·2	92·7	−0·6	66·2	+0·1	79·5	—0·3	26·5	103·9	29th	56·7	7th	4
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·586	—·041	29·808	29·773	12th	29·405	31st	·368	70·6	91·3	+0·8	59·3	—3·2	75·3	—1·2	32·0	100·1	29th	49·5	12th	5
	Benares	267	29·611	—·032	29·840	29·808	12th	29·431	29th	·377	72·7	93·1	+0·3	61·3‡	—0·5‡	77·3‡	—0·1	31·8	105·1	29th	50·1	7th	5
	Allahabad	309	29·574	−·031	29·846	29·770	12th	29·364	29th	·406	72·0	93·5	+0·5	60·4	—1·7	76·9	−0·6	33·1	106·1	29th	49·5	5th	5

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

† Mean of 25 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 March, 1910—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., 1909 to 31st March, 1910.	Normal rainfall for period, 1st Dec. to 31st March.	Departure from normal of period, 1st Dec. 1909, to 31st March, 1910.	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.*
19		1	9	2					S 86° E	N 75° E	1·4			37	−4	77	+2	·512	+·009	3·2	+1·3	5	2·10	+2·90	3·21	1·23	+1·98	3·32	2·22	+1·10	1·83	Jalpaiguri.
9		3	17	2					N 87° E		2·4			68		79		·528		3·9		6	2·41	+3·59	4·75	1·66	+3·09	5·08	2·59	+2·49	1·73	Cooch Behar.
																																III.—Bengal.
	3	3		1	15	7	1	1	S 14° W	S 49° W	14·9	13·1	+1·8	53	+14	82	−1	·778	−·033	3·3	−1·0	0	1·81	−1·81	0	1·33	−1·33	2·25	2·99	−0·74	0	Saugor Island.
1	5	1		1	20	1	1	1	S 4° W		4·1			48		63		·598		1·6		0	2·59	−2·59	0·04	1·67	−1·63	1·65	3·51	−1·86	0·04	Midnapore.
4	1	1	1	2	8	11		3	S 27° W	S 42° W	5·8*	4·9	+0·9	49	+2	80	−1	·698	−·008	2·7	−0·2	1	2·00	−1·00	0·66	1·19	−0·53	3·42	2·73	+0·69	0·62	Calcutta.
22		1		3	3	2			S 14° E	S 32° W	0·6	2·9	−2·3	20	−9	79	−1	·684	−·017	4·1	+0·3	2	3·13	−1·13	1·33	1·93	−0·60	2·52	3·73	−1·21	1·06	Jessore.
12	2	1	1	4	5	4	2		S 2° W		3·2			26		85		·651		3·6		2	1·97	+0·03	0·31	1·11	−0·80	1·11	2·74	−1·63	0·17	Krishnagar.
3	1	4			2	10	3	3	S 72° W	S 58° W	3·3	3·1	+0·2	30	−7	76	+12	·638	+·085	3·9	+1·1	2	2·16	−0·16	0·74	1·34	−0·60	2·04	2·66	−0·62	0·53	Burdwan.
29				1	1				S 27° E		2·7			6		67		·586		1·3		3	1·76	+1·24	0·58	1·30	−0·72	1·45	2·80	−1·35	0·26	Bankura.
24	1		1	2			1	2	N		1·9					63		·512		2·0		3	1·48	+1·52	0·91	0·76	+0·15	1·84	2·32	−0·48	0·43	Raniganj.
4	1	1	6	2	8	6	2	1	S 6° E	S 42° W	4·2	3·3	+0·9	37	−6	75	+3	·603	+·037	4·1	+1·4	2	1·73	+0·27	0·56	0·97	−0·41	1·10	2·46	−1·36	0·45	Berhampore.
27		1	1	1	1				S 63° E		1·2			6		57		·482		1·1		0	1·41	−1·41	0·04	0·81	−0·77	1·75	2·26	−0·51	0·04	Naya Dumka.
3	2				4	16	2	4	S 57° W	S 61° W	4·2	5·8	−1·6	62	+26	70	−9	·634	−·076	2·1	−1·5	1	2·87	−1·87	0·33	1·82	−1·49	2·15	3·47	−1·32	0·32	Balasore.
2	1				3	15	4	6	S 63° W	S 70° W	10·9	10·8	+0·1	69	+15	82	−4	·783	−·040	4·7	+0·5	0	1·48	−1·48	0	1·15	−1·15	7·08	3·25	+3·83	0	False Point.
11		2	1	2	4	6	5		S 33° W	S 50° W	3·4*	3·3	+0·1	33	+4	79	+1	·732	+·018	2·0	−0·9	0	1·77	−1·77	0	1·23	−1·23	3·21	2·12	+1·09	0	Cuttack.
2	6	1			1	18	1	2	S 70° W		14·4			48		83		·804		3·9		0	1·05	−1·05	0	0·65	−0·65	5·50	2·55	+2·95	0	Puri.
10		1	2	3	3		2	10	N 53° W		5·3			16		69‡		·577‡		2·5		2			0·54			2·73			0·40	Angul.
	1	6	6	8	7	3			S 55° E	N 46° E	1·7	3·1	+1·6	53	+7	47	−8	·437	−·045	1·9	+0·1	0	1·80	−1·80	0·03	1·07	−1·04	1·22	2·10	−0·88	0·03	Sambalpur.
7		1			1	18	4		S 51° W	S 69° W	3·7	1·7	+2·0	63	+15	65‡	+8‡	·504‡	+·043‡	1·3	−0·6	0	2·19	−2·19	0	1·05	−1·05	3·32	2·55	+0·77	0	Chaibassa.
7	1		1	1	1	1	11	8	N 75° W	N 86° W	9·0	6·5	+2·5	53	+10	34	−11	·260	−·056	1·7	+0·1	0	2·58	−2·58	0	1·37	−1·37	2·92	3·11	−0·19	0	Ranchi.
14	2	1	1			1	5	7	N 52° W		3·3			36		57		·432		0·8		1	2·17	−1·17	0·15	1·01	−0·86	0·92	2·65	−1·73	0·15	Purulia.
1	3			2	2	5	8	10	N 80° W	S 86° W	8·2	8·1	+0·1	56	+4	33	−5	·304	−·010	1·1	−1·2	0	1·81	−1·81	0·10	0·80	−0·70	2·16	2·23	−0·07	0·08	Hazaribagh.
21		1	4	3		1	1		S 68° E		3·2			16		53		·353		0·9		1	1·67	−0·67	1·03	0·63	+0·40	2·47	2·21	+0·26	0·99	Daltonganj.
24		3		2			1	1	N 52° E	N 45° E	1·2	4·0	−2·8	7	+3	69	0	·496	+·024	1·2	−0·2	1	0·83	+0·17	0·58	0·44	+0·14	0·83	1·57	−0·74	0·50	Purnea.
16		4	2	1		3	5		W		3·2					52		·439		1·0		0	0·84	−0·84	0·24	0·44	−0·20	1·50	1·74	−0·24	0·09	Bhagalpur.
	1	2	7	3	1	6	10	1	S 45° W		6·9			19		66		·535		1·0		1			0·19			0·75			0·19	Monghyr.
6		1	14			2	6	2	N 83° E	S 82° W	3·0	4·5	−1·5	20	−4	61	0	·446	+·007	1·0	−0·3	1	0·83	+0·17	0·14	0·46	−0·32	0·30	1·66	−1·36	0·10	Darbhanga.
8	1	6	4	2	1	3	6		N 45° E		3·8 *‡			3		59		·431		1·2		0			0·07			0·22			0·06	Pusa.
11		2	6	5		2	3	2	S 68° E		4·3			16		62		·452		0·8		1	0·97	+0·03	0·11	0·43	−0·32	0·54	1·76	−1·22	0·11	Muzaffarpur.
11	1	5	8	1			3	2	N 58° E		2·6			29		64		·420		1·0		1	0·77	+0·23	0·14	0·49	−0·35	0·76	1·59	−0·83	0·12	Motihari.
																60		·424		0·8		0	0·71	−0·71	0·08	0·38	−0·30	0·25	1·70	−1·45	0·05	Chapra.
1		13		2	4	10	1		S 7° W	S 63° E	5·8	3·9	+1·9	13	−16	50‡	0‡	·430‡	+·033‡	1·0	−0·8	1	0·74	+0·26	0·24	0·39	−0·15	0·34	1·65	−1·31	0·24	Patna.
8	1	2	3	1	8	8			S 48° W		3·5			39		42		·331		1·0		1	0·81	+0·19	0·10	0·47	−0·37	0·48	2·09	−1·61	0·10	Arrah.
	2	1	3	3	3	11	8		S 45° W		7·6			45		46		·335		1·5		1	0·87	+0·13	0·11	0·28	−0·17	1·08	1·78	−0·70	0·11	Buxar.
19					10	2			S 52° W		2·9			36		42		·326		0·8		0	1·00	−1·00	0·07	0·53	−0·46	0·67	1·96	−1·29	0·07	Dehri.
12		2		2	1		14		S 85° W	S 37° W	4·1	4·2	−0·1	37	−3	56	+3	·457	+·029	1·2	−0·9	1	1·03	−0·03	0·50	0·55	−0·05	1·27	1·94	−0·67	0·44	Gaya.
																																IV.—United Provinces of Agra and Oudh.
10	2	4	1	1	1	2	6	4	N 52° W	N 72° W	2·7	3·2	−0·5	27	−9	59‡	+2‡	·443‡	+·031‡	0·3	−1·3	0	0·70	−0·70	0	0·33	−0·33	0·79	1·72	−0·93	0	Gorakhpur.
6			2	1	1	13	7	1	S 54° W	S 54° W	3·6	4·7	−1·1	56	+9	40	−18	·321	−·101	0·9	−1·1	0	0·80	−0·80	0·04	0·25	−0·21	0·79	1·59	−0·80	0·04	Benares.
3			3	1		3	17	4	W	S 85° W	4·8	5·1	−0·3	59	+20	41	−16	·246	−·123	1·4	−0·6	0	0·60	−0·60	0	0·26	−0·26	1·40	1·73	−0·33	0	Allahabad.

§ Mean of 27 days.

‖ Mean of 28 days.

* Uncorrected for scale error.
‡ Mean of 30 days.

¶ Mean of 29 days.

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(2) *Abstract of observations taken at 8 hrs. at 241 stati*

Number of subdivision.	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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
	IV.—United Provinces of Agra and Oudh—*concld.*																						
10	Cawnpore	416	29·448	—·030	29·836	29·639	12th	29·237	29th	·402	70·6	92·3	+1·5	58·9	—1·5	75·6	0	33·4	105·7	29th	45·0	5th	6
	Lucknow	368	29·506	—·023	29·845	29·698	12th	29·330	29th	·368	71·0	92·0	+0·5	60·4	+0·1	76·2	+0·3	31·6	104·0	29th	49·6	5th	5
	Bahraich	401	29·454	—·022	29·830	29·649	11th	29·270	31st	·379	67·5	?	?	59·0	+0·2	?	?	?	?	?	49·5	5th	
11	Jhansi	824	29·088	—·024	29·686	29·262	11th	28·912	29th	·350	74·9	93·3	+0·2	66·9	+0·6	80·1	+0·4	26·4	104·5	29th	54·5	5th	5
	Agra	556	29·340	—·023	29·874	29·508	12th	29·168	28th	·340	69·8	90·3	—0·8	61·4	—1·3	75·8	—1·1	28·9	104·0	29th	49·5	4th	5
	Mainpuri	516	29·363	?	29·857	29·548	12th	29·196	29th	·352	67·0	91·7	+2·0	57·9	—0·8	74·8	+0·6	33·8	105·3	29th	46·1	5th	5
	Bareilly	568	29·281	—·033	29·836	29·466	12th	29·107	31st	·359	65·7	88·4	+0·9	58·0	—1·0	73·2	—0·1	30·4	100·3	29th	48·5	11th	5
	Meerut	733	29·129	—·024	29·858	29·297	11th	28·972	28th	·325	65·1	86·5	—0·1	55·4	—2·3	70·9	—1·2	31·1	97·6	28th	44·3	5th	5
	Roorkee	899	28·972	—·006	29·880	29·156	11th	28·811	31st	·345	62·3	85·4	0	53·6	—2·5	69·5	—1·3	31·8	95·0	28th & 29th.	42·4	7th	5
	Dehra Dun	2,233	27·622	—·029	29·866	27·778	11th	27·487	31st	·291	62·9	81·6	+1·9	54·6	—0·4	68·1	+0·7	27·0	91·5	28th	43·5	7th	4
	V.—Punjab.																						
12	Delhi	718	29·169	—·011	29·878	29·355	10th	28·989	28th	·366	66·9	86·6	—0·8	62·1	—0·1	74·3	—0·5	24·5	97·7	28th	51·2	4th	4
	Sirsa	662	29·230	—·010	29·886	29·406	11th	29·041	28th	·365	65·4	86·4	—2·2	54·7	—2·5	70·6	—2·3	31·7	102·3	28th	40·0	4th & 5th	6
	Patiala	*818*	29·077		29·897	29·313	7th	28·915	29th	·398	63·9	83·9		55·4		69·7		28·5	97·9	28th	41·8	4th	56
	Ambala	892	28·967	—·014	29·867	29·129	11th	28·814	28th	·315	62·6	86·4	+2·5	56·2	—0·9	71·3	+0·8	30·2	98·5	18th & 28th.	41·9	7th	56
	Ludhiana	812	29·074	—·001	29·893	29·239	11th	28·921	20th	·318	62·2	83·4	—1·0	56·1	—1·4	69·7	—1·2	27·3	96·0	28th	43·0	4th	53
	Lahore	702	29·190	—·007	29·899	29·343	10th & 11th,	29·018	28th	·325	60·9	82·7	—2·4	53·2	—1·0	67·9	—1·7	29·5	94·4	28th	39·2	5th	55
	Sialkot	830	29·058	—·003	29·905	29·214	11th	28·889	28th	·325	59·0	78·5	—3·2	49·6	?	64·1	?	28·9	88·5	28th	35·5	3rd	53
	Rawalpindi	1,674	28·228	+·001	29·960	28·374	10th	28·072	28th	·302	56·4	72·6	—3·9	49·6	—1·1	61·1	—2·5	23·0	81·9	27th	38·4	4th & 6th.	43
13	Khushab	612	29·310	+·020	29·920	29·458	10th	29·136	28th	·322	64·8	82·2	?	56·6	—0·2	69·4	?	25·6	92·4	27th	39·9	3rd	52
	Montgomery	558	29·357	+·012	29·907	29·506	11th	29·168	28th	·338	64·9	84·3	—1·4	54·2	—1·7	69·2	—1·5	30·1	100·4	28th	39·0	5th	61
	Multan	420	29·517	+·009	29·923	29·661	12th	29·335	28th	·326	64·3	84·4	—2·1	57·8	—0·6	71·1	—1·3	26·6	96·3	28th	41·0	3rd	55
	VI.—North-West Frontier Province.																						
15	Peshawar	1,110	28·838	—·007	29·990	28·986	10th	28·681	28th	·305	57·7	73·0	—3·1	50·9	—1·0	62·0	—2·1	22·1	81·7	30th	37·4	3rd & 5th	44
	D. I. Khan	590	29·346	—·011	29·917	29·491	5th	29·178	28th	·313	61·1	79·9	—3·6	53·9	—1·6	66·9	—2·6	26·0	89·9	30th	36·6	5th	53
	VII.—Sind.																						
17	Jacobabad	186	29·723	—·017	29·879	29·881	11th	29·498	28th	·383	67·7	89·5	—1·6	59·7	+0·1	74·6	—0·7	29·8	105·1	28th	43·8	6th	61
	Hyderabad	96	29·836	—·011	29·889	29·988	11th	29·645	29th	·343	71·9	93·1	0	63·0	—1·2	78·1	—0·6	30·1	109·5	31st	47·0	2nd & 3rd	62
	Karachi	13	29·953	0	29·917	30·083	11th	29·768	29th	·315	71·1	81·7	—0·3	66·5	—1·5	74·1	—0·9	15·2	91·5	20th	56·0	5th	35
	VIII.—Rajputana.																						
18	Bikaner	*771*	29·120	—·012	29·886	29·295	11th	28·925	28th	·370	67·9	83·6	+0·3	60·7	—4·0	75·2	—1·9	28·9	102·5	28th	45·5	5th	58
	Jodhpur	780	29·130	—·017	29·916	29·316	11th	28·957	28th	·359	70·0	92·2	+1·3	61·4	—1·9	76·8	—0·3	30·8	106·0	31st	44·3	4th	61
19	Jaipur	1,431	28·484	—·010	29·907	28·642	11th	28·331	28th	·311	72·0	91·2	+1·5	60·1	—0·7	75·6	+0·4	31·1	102·7	29th	44·1	4th	58
	Sambhar	1,254	28·666	?	29·925	28·832	11th	28·509	28th	·323	67·1	90·1	+1·4	56·4	—2·4	73·2	—0·5	33·7	102·4	28th	40·9	4th	61
	Ajmer	1,611	28·311	—·017	29·937	28·473	11th	28·154	28th	·319	64·6	87·9	—1·2	60·7	+1·0	74·3	—0·1	27·2	98·9	28th & 31st.	44·7	4th	54
	Kotah	819?	29·075	—·028	29·909	29·260	11th	28·899	29th	·361	75·6	94·4	+1·6	65·7	—0·7	80·0	+0·5	28·7	106·0	31st	54·1	4th & 5th	51
	Udaipur	1,925	28·009	—·019	29·916	28·165	11th	27·857	29th	·308	72·5	91·3	+2·2	60·9	+0·2	76·1	+1·2	30·4	103·5	30th	45·3	5th	58
	IX.—Bombay.																						
20	Deesa	466	29·462	—·018	29·895	29·618	11th	29·309	29th	·309	73·0	97·7	+1·6	61·6	—2·2	79·7	—0·3	36·1	110·3	31st	46·4	5th	63
	Bhuj	395	29·554	0	29·912	29·675	10th	29·395	29th	·280	72·9	94·2	+0·3	64·3	—1·1	79·2	—0·4	29·9	107·0	31st	53·5	4th & 5th	57

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 22 days. § Mean of 29 days. ‖ Mean of 25 days.

B—*continued.*

in India, etc., in March, 1910—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., 1909 to 31st March, 1910.	Normal rainfall for period, 1st Dec. to 31st March.	Departure from normal of period, 1st Dec., 1909 to 31st March, 1910.	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	3		2			3	15	3	N 80° W	S 89° W	4·4	4·3	+0·1	56	+20	36	−10	·278	−·077	0·5	−0·8	0	0·70	−0·70	0	0·26	− 0·26	1·32	1·59	−0·27	0	Cawnpore.
15	1		1				10	4	N 72° W	N 80° W	2·8	3·8	−1·0	43	0	40†	−13†	·315†	−·071†	0·9	−1·2	0	0·90	−0·90	0	0·33	− 0·33	1·21	2·11	−0·90	0	Lucknow.
7	3		3	2	1	1	4	10	N 47° W	N 51° W	3·4	3·6	−0·2	33	+ 5	52	−10	·354	−·081	1·5	−0·5	0	1·00	−1·00	0·01	0·57	− 0·56	1·05	2·84	−1·79	0·01	Bahraich.
19	2		1		1	1	6	1	N 81° W	S 84° W	4·0	3·0	+1·0	20	−12	29	− 9	·256	−·058	0·8	−0·5	0	0·50	−0·50	0	0·26	− 0·26	1·11	1·53	−0·42	0	Jhansi.
8	2		1	2	5	2	5	6	S 79° W	N 66° W	5·1	4·8	+0·3	27	−16	39	− 9	·285	−·057	2·4	+0·2	0	0·80	−0·80	0	0·26	− 0·26	1·90	1·37	+0·53	0	Agra.
2	5			1		6	8	9	N 71° W	N 63° W	2·3	2·5	−0·2	62	+30	43	− 8	·283	−·069	0·5	−2·0	0	0·50	−0·50	0	0·04	− 0·04	1·05	2·07	−1·02	0	Mainpuri.
21		1					6	3	N 69° W	N 43° W	3·0‡	3·7	−0·7	23	−13	91†	+ 34	·391†	+·018†	2·7	+0·5	0	1·82	−1·82	0	0·76	− 0·76	1·94	2·88	−0·94	0	Bareilly.
10		1		2		1	7	10	N 66° W	N 86° W	2·6	2·8	−0·2	46	− 1	51	− 5	·317	−·030	2·1	−0·2	0	1·40	−1·40	0·01	0·63	− 0·62	3·43	3·36	+0·07	0·01	Meerut.
25						1		5	N 56° W	N 41° W	3·6	3·0	+0·6	17	+ 2	57	− 5	·315	−·037	2·6	+0·2	0	1·90	−1·90	0	0·69	− 0·69	2·97	4·30	−1·33	0	Roorkee.
31									(a)	N 5° W	1·8§	2·1	−0·3			48	− 9	·271	−·047	3·8	+1·2	0	2·60	−2·60	0	0·94	− 0·94	4·68	6·33	−1·65	0	Dehra Dun.
																																V.—Punjab.
5	1	1			1	1	10	12	N 65° W	N 87° W	4·2	3·9	+0·3	66	+16	44	− 5	·293	−·030	1·5	−1·5	0	1·50	−1·50	0·09	0·50	− 0·41	3·00	2·97	+0·03	0·09	Delhi.
6	2	1	7	5	5	3		2	S 50° E	N 24° W	3·9	4·7	−0·8	33	+29	45	−12	·300	−·054	1·9	−1·3	0	1·10	−1·10	0	0·32	− 0·32	1·60	1·80	−0·20	0	Sirsa.
1	8	1	3				3	15	N 28° W		5·8†			71		52		·312		2·3		0			0			2·89			0	Patiala.
3	11	1	1				1	14	N 23° W	N 37° W	6·1	3·2	+2·9	79	+55	51	−12	·291	−·093	3·1	+1·1	0	1·40	−1·40	0·01	0·37	− 0·36	3·97	5·22	−1·25	0·01	Ambala.
14	3	2	1			1	4	6	N 39° W	N 31° W	2·9	2·2	+0·7	33	+11	51	−12	·295	−·076	2·8	−1·0	0	1·70	−1·70	0·06	0·79	− 0·73	3·15	4·71	−1·26	0·04	Ludhiana.
6	3	4	2	2			5	9	N 25° W	N 10° W	2·7	2·9	−0·2	40	+22	62	− 3	·346	−·028	3·3	−0·1	0	1·70	−1·70	0·05	0·65	− 0·60	4·06	3·25	+0·81	0·05	Lahore.
11	5	3	3	1			4	4	N 6° W	N 7° E	1·7	2·1	−0·4	30	+ 1	74	+ 7	·377	−·036	3·4	+0·6	1	2·90	−1·90	0·21	1·14	− 0·93	6·81	5·97	+0·84	0·19	Sialkot.
19		3				2	4	3	N 62° W	N 39° W	3·9	2·9	+1·0	20	− 6	65	− 7	·308	−·031	5·1	+1·0	3	4·20	−1·20	1·18	1·89	− 0·71	12·16	7·61	+4·55	0·65	Rawalpindi.
11	3	6	2		1	2	4	2	N 6° W	N 22° E	4·3	5·1	−0·8	20	− 2	41	−17	·262	−·075	3·8	+1·0	0	1·70	−1·70	0·03	1·13	− 1·10	1·74	3·18	−1·44	0·02	Khushab.
1	7	8	3	2	2	2	2	1	N 35° E	N 53° E	5·3	5·4	−0·1	37	+15	42‖	−10‖	·293‖	−·034‖	2·7	+0·3	0	1·20	−1·20	0·13	0·35	− 0·22	2·82	2·28	+0·54	0·07	Montgomery.
17	2	6		4	1			1	N 64° E	N 50° E	0·9	1·9	−1·0	23	− 2	48	−11	·307	−·062	3·4	+1·6	1	1·20	−0·20	0·14	0·39	−0·25	1·60	1·46	+0·14	0·14	Multan.
																																VI.—North-West Frontier Province.
17			1	3	2	7	1		S 62° W	S 27° W	2·3	3·6	−1·3	30	+ 5	58	−14	·291	−·038	5·2	+0·4	3	3·90	−0·90	0·83	2·04	−1·21	7·73	5·19	+2·54	0·31	Peshawar.
13	6	5				1	6		N 7° W	N 13° W	2·2	2·1	+0·1	46	+14	54	−11	·313	−·049	3·5	+0·3	0	2·50	−2·50	0·04	0·89	−0·85	1·46	2·33	−0·87	0·03	D. I. Khan.
																																VII.—Sind.
10	10	3		1				7	N 7° W	N 83° E	4·1	3·9	+0·2	53	+28	44	+ 3	·323	+·030	3·0	+0·2	0	0·70	−0·70	0	0·15	−0·15	1·21	0·85	+0·36	0	Jacobabad.
6	7	1	1	2	5	1	8		N 47° W	S 83° E	5·5	8·4	−2·9	37	+ 9	52	+ 3	·420	+·037	3·9	+1·5	0	0·30	−0·30	0	0·16	−0·16	0·12	0·67	−0·55	0	Hyderabad.
	6	4	3			1	9	8	N 35° W	N 32° W	10·7	11·4	−0·7	56	+20	68	−11	·532	−·048	1·8	−0·5	0	0·50	−0·50	0	0·19	−0·19	1·09	1·29	−0·20	0	Karachi.
																																VIII.—Rajputana.
2	4	5	3	4	1	5	4	3	N 8° W	S 46° W	5·6	5·3	+0·3	7	− 4	30	−10	·215	−·074	2·8	−0·2	0	0·50	−0·50	0	0·19	− 0·19	1·01	1·01	0	0	Bikaner.
4	5	11	1		1	6	2	1	N 12° E		3·7			27		27	− 8	·208		2·4		0	0·20	−0·20	0	0·01	− 0·01	0·87	0·50	+0·37	0	Jodhpur.
9	4	10	4	1				3	N 38° E	N 29° W	4·4*	4·5	−0·1	53	+13	34	−10	·278	−·049	2·5	−0·1	0	0·70	−0·70	0	0·34	− 0·34	1·55	1·30	+0·25	0	Jaipur.
16	5	5	2				2	1	N 17° E	N 11° W	5·3	5·7	−0·4	30	+ 8	47	+ 2	·320	+·020	2·2	−0·2	0	0·80	−0·80	0	0·28	− 0·28	2·70	1·20	+1·50	0	Sambhar.
		3		1		1			N 72° E	S 63° W	4·1	4·1	0	3	− 8	48	0	·300	−·037	1·8	−0·3	0	0·60	−0·60	0	0·16	− 0·16	1·80	1·11	+0·69	0	Ajmer.
21		1		1		1	3	2	N 53° W		2·2			17		45	+12	·402		1·3		0	0·40	−0·40	0	0·10	− 0·10	0·95	0·82	+0·13	0	Kotah.
22	2	1	1				3	2	N 34° W		3·1			17		41	− 5	·327		2·2		0	0·30	−0·30	0	0·09	− 0·09	0·23	0·51	−0·28	0	Udaipur.
																																IX.—Bombay.
6	18		1					6	N 8° W	N 7° W	7·5*	8·6	−1·1	72	+40	32	− 5	·269	−·043	0·6	−1·5	0	0·18	−0·18	0	0·05	− 0·05	0·05	0·33	−0·28	0	Deesa.
3	3	2		1		1	4	17	N 44° W	N 60° W	10·0	8·8	+1·2	69	+ 4	51	− 6	·413	−·067	1·7	−0·3	0	0·10	−0·10	0	0·06	− 0·06	0	0·29	−0·29	0	Bhuj.

* Uncorrected for scale error.

(a) Indeterminate.

Tab

(2) *Abstract of observations taken at 8 hrs. at 241 statio*

Number of subdivision.	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 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
	IX.—Bombay—*concld.*																						
20	Jamnagar	61	29·899		29·905	29·983	11th	29·750	29th	·233	74·3	91·2		62·6		76·9		28·6	101·7	31st	53·3	5th	48
	Dwarka	37?	29·938		29·921	30·010	10th	29·798	29th	·212	75·3	81·5		70·4§		75·9§		11·1	92·3	13th	59·2	5th	33
	Rajkot	429	29·522	−·005	29·912	29·620	11th	29·397	29th	·223	73·7	95·7	+0·1	61·4	−1·0	78·5	−0·5	34·3	105·4	31st	48·5	5th	56
	Veraval	*18*	29·932	−·003	29·892	30·016	10th	29·813	23th	·203	74·3	87·3	+1·0	64·5	−0·4	75·9	+0·3	22·8	101·1	20th	54·8	4th	46
	Bhavnagar Para	55	29·829¶	−·077¶	29·828¶	29·906	23rd	29·742	29th	·164	74·5	98·1	+4·4	65·5	+1·3	81·8	+2·9	32·6	109·7	30th	53·5	5th	56
	Surat	39	29·834	−·038	29·879	29·973	11th	29·791	29th & 31st.	·179	73·6	93·6	0	66·8	+0·8	81·7	+0·4	29·8	106·1	19th	57·1	6th	49
	Ahmedabad	163	29·736	−·025	29·882	29·906	11th	29·635	29th	·271	74·2	98·6	+1·6	66·9	−0·9	82·8	+0·3	31·7	109·6	31st	53·7	4th	55
26	Bombay	37	29·902	−·029	29·879	29·967	4th	29·802	28th	·165	76·7	87·7	+2·0	73·1	−0·3	80·4	+0·9	14·6	91·0	13th	67·5	6th & 7th.	23
	Ratnagiri	110	29·813	−·027	29·863	29·871	13th	29·728	28th	·143	77·9	87·3	−0·5	71·4	−1·0	79·4	−0·7	15·9	93·3	12th	60·9	4th	38
	Goa	199	P	P	P						78·9	84·4	−2·9	74·1	−0·1	79·3	−1·5	10·3	87·1	5 days	67·1	6 days	20
	Mormugao	*60*	29·869	−·020	29·864	29·937	11th	29·781	23th	·156	79·4	87·7	+0·8	74·7	−0·8	81·2	0	13·0	92·0	26th	67·2	4th	24·8
	Karwar	44	29·897‡	−·018‡	29·876‡	29·955	17th	29·821	24th	·134	75·1	87·3	−0·5	71·6	−1·4	79·4	−0·9	15·7	90·3	29th, 30th & 31st.	62·0	6th	28
27	Malegaon	1,430	28·482†	−·036†	29·878†	28·596	12th	28·397	23th	·199	75·0	97·4	+0·1	61·5	−2·1	79·5	−1·0	35·9	107·4	31st	46·1	5th	61
	Ahmednagar	2,154	27·795	P	29·899	27·882	12th	27·719	31st	·163	77·4	93·4	+2·6	64·2	+1·7	80·3	+2·1	32·2	104·9	31st	49·0	4th	55·9
	Poona	1,846	28·102	−·011	29·923	28·191	12th	28·026	31st	·165	72·7	93·7	−1·0	61·7	−2·2	79·2	−1·6	35·0	105·0	31st	50·3	4th & 5th.	54·7
	Sholapur	1,590	28·311	−·039	29·856	28·411	12th	28·204	21st	·207	78·5	99·8	−0·6	70·1§	+0·8§	84·9§	+0·1	29·7	106·8	31st	56·4	3rd	50·9
	Bijapur	*1,948*	27·963	−·024	29·860	28·045	13th	27·888	31st	·157	77·5	98·3	+1·9	69·7	−0·9	81·0	+0·5	28·6	105·7	31st	56·2	6th	49·5
	Belgaum	2,539	27·389	−·027	29·869	27·446	13th & 17th.	27·334	24th	·112	73·8	93·3	−0·6	63·5	−0·7	78·4	−0·7	29·8	93·3	29th & 31st.	55·5	3rd	42
	X.—Central India.																						
21	Neemuch	1,624	28·287	−·024	29·905	28·451	12th	28·135	29th	316	70·5	91·3	−0·1	60·2	−1·3	75·8	−0·7	31·1	102·0	30th	43·8	5th	58
	Indore	1,823	28·116	P	29·916	28·244	12th	28·010	29th	·234	74·3	93·0	+0·5	59·7	−0·7	76·4	−0·1	33·3	103·1	31st	46·6	5th	56·5
22	Nowgong	754	29·143	−·026	29·879	29·322	12th	28·960	29th	·362	68·9	92·2	−0·2	58·6	−2·2	75·4	−1·2	33·6	105·5	29th	44·5	5th	61
	Sutna	1,040	28·853	−·023	29·881	29·019	12th	28·714	29th & 31st.	·305	71·6	92·7	+1·4	61·3	+0·1	77·0	+0·7	31·4	104·5	29th	49·7	5th & 6th.	51·8
	XI.—Central Provinces.																						
23	Buldana	2,132	27·803		29·877	27·912	12th	27·725	29th	·187	78·9	92·8		71·0		81·9		21·8	102·3	31st	58·0	5th	44
	Akola	930	28·983	−·017	29·831	29·107	12th	28·872	31st	·235	75·8	99·8	+0·6	63·3	−2·7	81·6	−1·1	36·5	109·2	31st	49·1	5th	60·1
	Amraoti	1,215	28·685	−·022	29·853	28·819	12th	23·587	31st	·232	78·3	98·4	+0·3	68·2	−1·0	83·3	−0·3	30·2	108·3	31st	54·8	4th	53·9
24	Khandwa	1,044	28·866	−·024	29·888	29·005	12th	28·743	29th	·262	73·6	98·4	+0·8	64·5	−0·4	81·4	+0·2	33·9	107·7	28th	49·1	6th	58
	Hoshangabad	1,006	28·938	−·024	29·839	29·071	12th	28·779	28th	·292	71·8	93·0	+0·3	62·3	−2·3	79·2	−1·0	33·7	105·6	30th & 31st.	48·4	6th	57·2
	Saugor	1,807	28·091	−·027	29·870	28·245	12th	27·961	31st	·284	75·2	92·0	−0·1	66·0	+1·5	79·0	+0·7	26·0	101·6	29th	55·0	6th	46
	Jubbulpore	1,327	28·563	−·032	29·881	28·746	12th	23·426	31st	·320	69·3	93·3	+0·5	58·7	−2·1	76·0	−0·8	34·6	103·8	29th	43·8	6th	60·0
	Seoni	2,033	27·875	−·027	29·883	28·020	12th	27·769	3rd	·251	72·3	93·0	−0·2	55·1	−8·4	74·0	−4·3	37·9	103·0	30th	43·0	6th	60·0
	Nagpur	1,017	28·879	−·025	29·863	29·031	12th	28·770	31st	·261	77·1	98·4	+0·1	65·1	−2·7	81·8	−1·3	33·3	108·1	31st	51·3	6th & 14th.	53·8
25	Pendra	2,123?	27·860		29·852	28·020	12th	27·731	31st	·289	75·5	91·4		64·4		77·9		27·0	100·8	30th	53·2	6th	47
	Raipur	970	28·919	−·031	29·859	29·083	12th	28·797	31st	·286	75·3	96·5	0	67·9	−0·7	82·2	−0·3	28·6	104·7	30th & 31st.	57·6	6th	47
	Chanda	*634*	29·263	−·025	29·851	29·458	12th	29·143	31st	·315	77·1	99·6	−0·1	63·5	−3·5	81·5	−1·8	36·1	108·5	30th	49·5	5th & 7th.	59
	Jagdalpur		28·107§			28·221	13th & 14th.	28·023	31st	·193	73·0	93·6		66·5		80·0		27·1	102·7	31st	57·1	6th & 14th.	45·6
	XII.—Hyderabad.																						
23	Aurangabad	1,935	28·030	−·039	29·884	28·157	12th	27·937	31st	·220	73·3	96·6	+0·2	66·4	+1·0	81·5	+0·6	30·2	105·2	31st	51·2	2nd & 4th.	54·0
	Nizamabad	1,248	28·643	P	29·850	28·756	12th	28·545	31st	·211	79·1	100·2	+2·5	67·3	−1·0	83·8	+0·7	32·9	103·9	30th	52·7	6th	56·2

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

‡ Mean of 29 days.

† Mean of 24 days.

¶ „ 11 „

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

B—*continued.*

in India, etc., in March, 1910—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., 1909 to 31st March, 1910.	Normal rainfall for period, 1st Dec. to 31st March.	Departure from normal of period, 1st Dec., 1909 to 31st March, 1910.	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.*
3		3	1	1	1	8	3	11	N 78° W		13·4			41		69		·592		0·4		0			0			0·59			0	Jamnagar.
1	5	4				1	7	13	N 41° W		12·1			69		72		·645		1·1		0			0			0·56			0	Dwarka.
2	4	2	2	1			9	11	N 45° W	N 25° W	9·8	7·7	+2·1	59	+ 5	50	-14	·407	—·107	0·7	—1·4	0	0	0	0	0	0	0·59	0·17	+0·42	0	Rajkot.
2	8	3					1	17	N 26° W	N 13° W	9·7‡	7·7	+2·0	82	+17	62	0	·515	+·003	0·9	—0·9	0	0	0	0	0	0	0·45	0·10	+0·35	0	Veraval.
	7	1					7	16	N 43° W	N 85° W	7·1	8·6	—1·5	84	+19	36	—24	·308	—·190	0·8	—0·5	0	0·10	—0·10	0	0·08	—0·08	1·03	0·29	+0·74	0	Bhavnagar Para.
13	12				1	2		3	N 17° W	N 46° W	4·0	6·1	—2·1	43	+ 7	55§	—8§	·475§	—·081§	0·5	—0·7	0	0	0	0	0	0	0·42	0·14	+0·28	0	Surat.
2	4	6	1			1	1	16	N 22° W	N 1° E	4·5 *	4·7	—0·2	69	+35	39	— 4	·326	—·050	0·4	—1·6	0	0	0	0	0·06	—0·06	0·10	0·30	—0·20	0	Ahmedabad.
	8	7	7	5	2			2	N 58° E	N 40° E	9·5	10·9	—1·4	53	— 1	71	— 4	·664	—·033	0·3	—1·0	0	0	0	0	0·02	—0·02	0	0·20	—0·20	0	Bombay.
8	6	3	7	3	1	1		2	N 58° E	N 22° E	8·6 ‡	8·3	+0·3	37	+15	69	0	·670	—·008	1·3	—0·1	0	0·10	—0·10	0	0·01	—0·01	0	0·24	—0·24	0	Ratnagiri.
1	2	7	9		7	4		1	S 78° E	N 58° E	6·9 *	6·3	+0·6	33	—17	76	0	·756	—·009	3·6	+1·6	1			0·10	0	+0·10	0·10	0·31	—0·21	0·10	Goa.
4	7	5	3	4	6	1	1		N 83° E	N 72° E	7·2 *	9·0	—1·8	27	+ 2	80	+ 1	·814	+·013	3·6	+1·4	0			0·08	0	+0·08	0·08	0·05	+0·03	0·05	Mormugao.
17	4	5		2		2		1	N 28° E	N 43° E	3·6	4·6	—1·0	20	—41	82	0	·729	+·003	2·2	+0·7	0	0	0	0	0	0	0	0·18	—0·18	0	Karwar.
12		3	3	4		2	3	4	N 45° E	N 66° W	7·2	7·7	—0·5	3	—62	24	—29	·226	—·241	0·1	—1·6	0	0·10	—0·10	0	0·04	—0·04	0·32	0·44	—0·12	0	Malegaon.
6	7		1					17	N 30° W	N 1° W	10·1 *	9·1	+1·0	72	+22	20	—36	·190	—·321?	0·5	—0·6	0	0·30	—0·30	0	0·32	—0·32	0·02	1·23	—1·21	0	Ahmednagar.
1	1		1		1	7	17	3	S 83° W	S 87° W	5·9	8·5	—2·6	76	+43	37‡	—41	·310‡	—·027‡	0·2	—1·0	0	0·30	—0·30	0	0·04	—0·04	0	0·33	—0·33	0	Poona.
6	4	5		5		2	1	8	N 7° W	N 14° E	6·3	7·9	—1·6	27	+ 5	25	—10	·218	—·099	1·1	—0·2	0	0·60	—0·60	0	0·26	—0·26	0·63	0·79	—0·16	0	Sholapur.
	7	1	2	2	1	8	3	7	N 64° W	N 84° W	7·3 *‡	4·9	+2·4	33	— 7	37	—18	·354	—·179?	0·3	—0·8	0	0·70	—0·70	0	0·49	—0·49	0·03	0·59	—0·56	0	Bijapur.
6	3	2	1	1	1	7	5	5	N 83° W	N 8° E	12·4	11·3	+1·1	33	+22	53‡	+5‡	·454‡	+·058‡	0·2	—0·7	1	0·90	+0·10	0·35	0·43	—0·08	0·35	0·62	—0·27	0·25	Belgaum.
																																X.—Central India.
2	16	7	1		1	1	1	2	N 8° E	S 34° E	5·5	7·8	—2·3	69	+44	38	+ 1	·292	—·004	1·4	—0·4	0	0·10	—0·10	0	0·04	—0·04	0·08	0·70	—0·62	0	Neemuch.
10	3	2	5			2	7	2	N 38° W	N 7° W	3·7	3·4	+0·3	17	—12	29	—11	·259	—·061	0·2	—1·1	0	0·10	—0·10	0	0·04	—0·04	2·11	0·55	+1·56	0	Indore.
5		1	3		8	6	7	1	S 37° W	S 80° W	2·7	2·5	+0·2	46	+ 3	41	— 9	·294	—·066	1·4	—0·1	0	0·70	—0·70	0	0·22	—0·22	1·43	1·96	—0·53	0	Nowgong.
6	3	1	1			1	9	10	N 56° W	N 54° W	4·0	5·4	—1·4	59	+ 2	26	—14	·204	—·100	1·5	+0·2	0	1·00	—1·00	0	0·43	—0·43	1·41	2·43	—1·02	0	Sutna.
																																XI.—Central Provinces.
	7	2	4	2	1		5	10	N 21° W		6·3	7·4	—1·1	45		17		·171		0·5		0			0	0·15	—0·15	2·50	1·26	+1·24	0	Buldana.
4	1	2	4	4	1	2	6	7	N 62° W	N 45° W	4·5	4·8	—0·3	13	+ 2	23	—12	·208	—·100	0·5	—1·2	0	0·90	—0·90	0	0·43	—0·43	5·47	1·68	+3·79	0	Akola.
6		5	7	1		5	6	1	E	N 72° E	7·4	4·8	+2·6	3	—19	28	—11	·277	—·091	0	—1·4	0	0·80	—0·80	0	0·32	—0·32	4·31	1·45	+2·86	0	Amraoti.
3	1	4	1	1	2	1	13	5	N 73° W	N 40° W	6·6	5·0	+1·6	46	+17	26‖	—9‖	·222‖	—·068‖	0·6	—0·5	0	0·30	—0·30	0	0·12	—0·12	0·60	0·86	—0·26	0	Khandwa.
15		4	6	1		2	3		N 82° E	N 63° E	3·0	2·6	+0·4	17	— 8	30	—16	·238	—·100	0·7	—1·0	0	0·40	—0·40	0	0·18	—0·18	1·62	1·24	+0·38	0	Hoshangabad.
1	2	7	4	6	3	3	3	2	S 82° E	S 69° E	6·3	4·2	+2·1	23	+ 5	23	—16	·210	—·097	0·6	—0·9	0	0·60	—0·60	0	0·29	—0·29	0·73	2·04	—1·31	0	Saugor.
15		2	1	4	6	2		1	S 21° E	S 23° E	2·2	2·7	—0·5	27	— 2	33	—15	·243	—·114	0·2	—1·6	0	1·20	—1·20	0	0·43	—0·43	1·69	2·04	—0·35	0	Jubbulpore.
11	2	6	5		1	2	3	1	N 43° E	N 37° E	4·7	3·2	+1·5	23	— 4	27	—20	·216	—·166	0·3	—1·6	0	1·70	—1·70	0	0·59	—0·59	4·25	2·52	+1·73	0	Seoni.
4	14	7		1			3	2	N 4° E	N 14° E	3·5	4·9	—1·4	66	+24	27	—14	·259	—·120	0·2	—1·7	0	1·10	—1·10	0	0·48	—0·48	5·04	1·77	+3·27	0	Nagpur.
																						1			0·24			1·69			0·13	Pendra.
8	10	3			1	2	1	6	N 18° W		5·9			49		24		·210		0·7												Raipur.
7	2	2	3	2	2	9	1	3	S 41° W	N 59° W	3·9	4·9	—1·0	20	+ 9	28	—14	·244	—·125	0·5	—1·7	0	1·80	—1·80	0	0·65	—0·65	2·70	1·45	+1·25	0	Chanda.
14	1			7	2	3		4	S	N 46° E	3·4	3·0	+0·4	17	—15	32	—15	·307	—·127	0·1	—1·4	0	1·40	—1·40	0	1·19	—1·19	1·03	2·32	—1·29	0	Jagdalpur.
10	3	1	2	3	5	3		4	S 2° W					9		60		·501		0·3		0			0			0·10			0	
																																XII.—Hyderabad.
1	7	8	6	4		1	1	3	N 43° E		11·5			49		20	—13	·204		0·3		0	0·50	—0·50	0	0·25	—0·25	1·00	1·01	—0·01	0	Aurangabad.
14	3	1			1	4	6	2	N 82° W		3·8			33		36	—17	·367		1·3		0	0·80	—0·80	0	0·63	—0·63	0·03	1·28	—1·25	0	Nizamabad.

tations, the elevations of which exceed 3,200 feet. * Uncorrected for scale error. ‖ Mean of 28 days. § Mean of 30 days.

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(2) *Abstract of observations taken at 8 hrs. at 241 stati*

Number of subdivision.	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.
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*	?		?	?		?		?	80·7	96·6		67·6		82·1		29·0	107·3	19th	58·2	4th
29	Gulbarga	1,503	28·402	−·027	29·859	28·513	13th	28·327	20th	·186	79·3	100·2	+1·0	70·0	−0·7	85·1	+0·1	30·2	108·0	31st	55·3	5th
	Raichur	*1,311*	28·567	−·039	29·829	28·658	13th	28·479	21st	·179	80·0	99·3	+0·5	74·1	+0·1	86·7	+0·3	25·2	105·6	31st	62·1	5th
	Hyderabad (Deccan)	1,690	28·215	−·019	29·868	28·325	13th	28·135	31st	·190	76·7	98·0	+0·1	70·1	+0·5	84·0	+0·3	27·9	105·3	31st	60·2	6th
	Hanumkonda	871	29·031	−·035	29·855	29·146	13th	28·943	20th	·203	77·9	97·9	+0·4	71·8	−0·4	84·8	0	26·1	105·0	31st	62·2	6th
	XIII.—Mysore.																					
30	Chitaldroog	2,405	27·537	−·019	29·874	27·618	14th	27·463	28th	·155	76·6	95·0	+0·6	69·3	−0·9	82·1	−0·1	25·7	100·6	29th	63·9	5th
	Hassan	3,149	26·843	−·008	29·909	26·912	14th	26·792	28th	·120	71·8	90·9	−0·1	62·4	+0·2	76·7	+0·1	28·5	95·5	29th	56·1	6th
	Bangalore	3,021	26·962	−·024	29·899	27·040	14th	26·916	31st	·124	73·2	92·7	+2·0	65·2	+0·5	79·0	+1·3	27·5	95·8	20th, 22nd & 31st.	60·8	14th, 17th & 18th.
	Mysore	2,518	27·415	−·018	29·906	27·531	14th	27·394	23th & 28h.	·137	73·4	93·5	0	66·8	−0·4	80·1	−0·2	26·7	97·0	21st, 22nd & 28th.	61·5	18th
	XIV.—Madras.																					
31	Mangalore	65	29·868	−·033	29·865	29·948	14th	29·789	24th	·159	80·6	89·4	−1·2	72·6	−2·2	81·0	−1·7	16·8	91·8	29th	67·3	6th & 7th.
	Calicut	27	29·905	−·030	29·861	29·981	14th	29·840	24th	·141	80·4	88·7	−1·6	76·4†	+0·3†	82·6†	−0·7	12·3	91·3	29th	73·1	2nd & 8th.
	Cochin	9	29·931	−·021	29·868	29·995	14th	29·867	28th	·128	81·4	90·7	−0·5	77·4	+0·4	84·1	−0·1	13·3	93·7	28th	74·2	22nd
	Trivandrum	198	29·736	−·001	29·867	29·820	14th	29·682	24th	·138	79·3	87·3	+0·2	75·9	+1·2	81·6	+0·7	11·4	89·0	4 days	71·0	14th
32	Tinnevelly	168	29·778	−·006	29·876	29·879	14th	29·706	20th	·173	80·8	98·5	+2·0	73·9	−1·7	86·2	+0·1	24·6	103·2	21st	66·4	2nd
	Pamban	37	29·893	−·023	29·857	29·980	14th	29·832	29th	·148	81·2	88·3	−0·5	73·9	−2·2	81·1	−1·3	14·4	91·7	28th	72·5	4 days
	Madura	447	29·505	−·013	29·891	29·598	14th	29·439	20th	·159	80·0	96·8	+0·1	70·9	−1·9	83·9	−0·9	25·9	102·4	21st	64·1	2nd
	Pudukkottai	318	29·633†		29·886†	29·721	14th	29·554	31st	·167	79·3	97·1		72·1		84·6		25·0	101·6	20th	64·5	1st
	Negapatam	31	29·906	−·032	29·866	29·997	14th	29·831	20th	·166	80·5	90·4	+1·7	74·7	−0·8	82·5	+0·5	15·7	98·5	20th	67·0	18th
	Trichinopoly	255	29·694	−·025	29·831	29·792	13th	29·615	20th	·177	80·1	98·2	+0·3	71·4	−1·4	84·8	−0·5	26·8	104·1	20th & 21st	63·8	18th
	Coimbatore	1,341	28·593	−·036	29·892	28·681	14th	28·523	31st	·158	76·4	96·9	+0·7	68·1	−1·7	82·5	−0·5	28·8	100·9	31st	60·3	18th
	Salem	940	29·022	−·032	29·912	29·117	14th	28·957	20th	·160	77·9	98·4	−0·2	71·0	+0·2	84·7	0	27·4	103·5	25th	61·4	2nd
	Cuddalore	37	29·903	−·013	29·870	29·999	14th	29·805	20th	·194	78·9	90·1	+0·8	71·0	−1·2	80·6	−0·2	19·1	100·6	20th	65·2	1st
	Vellore	707	29·227		29·885	29·322	13th	29·124	20th	·198	76·2	97·0		68·5		82·8		28·5	103·7	20th	61·0	1st, 2nd & 3rd.
	Madras	22	29·917	−·035	29·870	30·024	13th & 14th.	29·816	20th	·208	78·9	89·7	−0·3	71·0	−1·2	80·4	−0·7	18·7	97·0	21st	65·5	18th
33	Cuddapah	433	29·469	−·028	29·841	29·560	13th	29·393	24th	·167	82·6	102·7	+1·0	74·3	−0·7	88·5	+0·1	28·4	107·2	19th & 25th.	67·6	5th
	Bellary	1,475	28·433	−·027	29·859	28·521	13th	28·352	31st	·169	79·2	101·0	+0·7	72·0	−0·1	86·5	+0·3	29·0	106·0	31st	64·8	6th
	Kurnool	923	28·971	−·029	29·847	29·081	13th	28·873	31st	·208	77·9	101·0	+0·1	71·5	0	86·2	+0·1	29·5	106·7	31st	58·6	6th
34	Nellore	66	29·850	−·022	29·851	29·983	13th	29·741	31st	·242	77·2	94·9	−1·3	71·4	−1·0	83·1	−1·1	23·5	103·6	20th	62·6	1st
	Masulipatam	15	29·916	−·031	29·866	30·047	13th	29·833	31st	·214	80·4	90·7	−0·7	71·9	−0·4	81·3	−0·5	18·8	97·3	6th	68·2	3rd & 18th.
	Cocanada	26	29·905	−·029	29·867	30·031	13th	29·815	20th	·216	78·5	92·2	+0·5	74·3	+0·8	83·3	+0·7	17·9	101·2	20th	70·0	3rd
	Waltair (Vizag.)	*226*	29·696	−·035	29·866	29·834	13th	29·609	20th	·225	78·2	85·3		74·7		80·0		10·6	88·6	19th	71·4	10th
	Calingapatam	19	29·900		29·859	30·053	13th	29·808	20th	·245												
	Gopalpur	72	29·821	−·033	29·836	29·963	13th	29·705	31st	·263	76·6	87·2	+0·6	72·6	−0·6	79·9	0	14·6	91·2	6th	68·5	11th & 14th.

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 March, 1910—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., 1909 to 31st March, 1910.	Normal rainfall for period, 1st Dec. to 31st March.	Departure from normal of period, 1st Dec., 1909 to 31st March, 1910.	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—*contd.*
4	7	3	2	1	1	11	1	1	N 86° W		6·0			16		39		·413		0·3		0	1·40	− 1·40	0	0·59	− 0·59	0·03	1·22	− 1·19	0	Bidar.
1	2	9	6	1	4	5	3		N 89° E	N 79° E	7·0	7·9	−0·9	21	0	35	− 8	·360	−·081	0·7	−0·3	0	0·80	− 0·80	0	0·52	− 0·52	0·02	0·88	− 0·86	0	Gulbarga.
	2	5		2	3	12	4	3	S 61° W	S 3° W	6·5	7·2	−0·7	37	+ 9	41	− 8	·435	−·075	0·8	−0·6	1	0·70	+ 0·30	0·44	0·44	0	0·44	0·68	− 0·24	0·44	Raichur.
31									(a)	S 47° E	2·7	4·2	−1·5			50†	−7†	·460†	−·062†	0·8	−0·4	0			0	0·58	−0·58	0	0·96	− 0·96	0	Hyderabad (Deccan).
4	1		2	14	8			2	S 34° E		7·4			59		58	− 7	·531		1·3		0	0·70	− 0·70	0	0·26	− 0·26	0	1·04	− 1·04	0	Hanumkonda.
																																XIII.—Mysore.
4			1	1	2	10	9	4	S 68° W	S 56° W	4·9	6·4	−1·5	59	+22	55	+ 4	·504	+·014	1·5	+0·4	1	0·50	+ 0·50	0·23	0·34	− 0·11	0·50	0·51	− 0·01	0·20	Chitaldroog.
4	2	2	3	1		5	9	5	N 75° W	S 37° E	5·6	3·0	+2·6	36	+13	70	+ 3	·540	−·003	0·9	−1·1	1	0·90	+ 0·10	0·32	0·38	− 0·06	2·02	0·62	+ 1·40	0·24	Hassan.
	1			6	4	11	4		S 24° W	S 12° E	6·6	4·9	+1·7	62	+12	62	− 4	·507	−·036	0·5	−1·1	0	1·00	− 1·00	0·01	0·48	− 0·47	0·01	1·19	− 1·18	0·01	Bangalore.
2				1	4	13	9	2	S 57° W	S 39° W	7·1	8·0	−0·9	72	+34	76	+ 8	·626	+·048	1·6	0	0	1·00	− 1·00	0·07	0·23	− 0·16	0·75	0·62	+ 0·13	0·05	Mysore.
																																XIV.—Madras.
8		5	16	2					N 85° E	N 70° E	4·8*	3·0	+1·8	69	+29	74	− 4	·785	−·023	2·9	+0·5	1	0·20	+ 0·80	0·91	0·07	+ 0·84	0·91	0·60	+ 0·31	0·84	Mangalore.
8	2	5	5	5			1	5	N 53° E	N 42° E	6·5	10·5	− 4·0	33	−14	79	+ 3	·829	+·017	1·2	−0·8	1	0·90	+ 0·10	0·60	0·58	+ 0·02	2·52	1·89	+ 0·63	0·60	Calicut.
4		16	9	2					N 66° E	N 31° E	8·1*	6·8	+1·3	79	+ 4	73	− 4	·794	−·054	1·1	−1·0	3	2·60	+ 0·40	1·86	2·15	− 0·29	3·70	5·22	− 1·52	1·55	Cochin.
8	9	4					2	8	N 15° W	N 24° E	4·8*	5·5	−0·7	59	+12	77	0	·781	−·014	1·5	−0·9	4	2·60	+ 1·40	2·11	1·78	+ 0·33	3·93	5·29	− 1·36	1·36	Trivandrum.
8	8	1				1	4	9	N 36° W	N 25° W	4·2	4·7	−0·5	56	− 4	68	− 5	·722	−·043	1·6	−0·7	0	2·30	− 2·30	0	1·03	− 1·03	5·86	7·28	− 1·42	0	Tinnevelly.
18			5	7	1				S 58° E	S 87° E	4·7	7·4	−2·7	40	−29	76	− 1	·310		2·8		0	0·90	− 0·90	0	0·72	− 0·72	12·36	13·09	− 0·73	0	Pamban.
1	7	12	6		1		1	3	N 34° E	N 28° E	4·5	3·8	+0·7	66	+16	71	− 2	·727	−·039	2·3	+1·1	0	1·00	− 1·00	0	0·47	− 0·47	2·57	3·09	− 0·52	0	Madura.
11	4	5	1	1	2	4	1	2	N		6·9†					72		·714		1·7		0			0			3·30			0	Pudukkottai.
4	1	2	1	3	2	7	6	5	S 72° W	S 85° E	9·9	6·3	+3·6	33	− 3	72	− 5	·760	−·067	3·6	−0·6	0	0·50	− 0·50	0	0·52	− 0·52	4·80	15·26	−10·46	0	Negapatam.
10	2	5	3	3	4	1	2	1	S 83° E	N 31° E	3·3*	3·8	−0·5	17	− 5	67	− 6	·689	−·058	1·3	−1·5	0	0·50	− 0·50	0	0·41	− 0·41	1·45	4·23	− 2·78	0	Trichinopoly.
19		7	3	1	1				N 70° E	N 84° E	3·9	2·9	+1·0	30	−10	84	+ 4	·766	+·036	2·8	+0·3	0	1·10	− 1·10	0	0·50	− 0·50	0·73	2·25	− 1·52	0	Coimbatore.
9		3	9	1	4	2	3		S 61° E	N 66° E	4·7	5·3	−0·6	27	−13	77	+ 6	·749	+·038	1·0	−0·7	0	1·20	− 1·20	0	0·71	− 0·71	0·93	2·53	− 1·60	0	Salem.
9					12	2	7	1	S 36° W	N 86° W	7·2	2·4	+4·8	53	+ 3	78	− 7	·777	−·088?	1·6	−1·6	0	0·40	− 0·40	0	0·30	− 0·30	2·39	10·00	− 7·61	0	Cuddalore.
30								1	N 45° W		4·0			3		71		·619		1·0		0	0·30	− 0·30	0	0·19	− 0·19	0·10	3·69	− 3·59	0	Vellore.
1		1		8	17	4			S 8° E	S 25° W	6·3*	6·2	+0·1	82	+28	81	+ 3	·803	−·007	1·9	−0·6	0	0·80	− 0·80	0	0·21	− 0·21	1·09	6·98	− 5·89	0	Madras.
		6	6	7		8	2	2	S 51° E	S 72° E				27	−30	58	0	·649	−·005	0·7	−0·5	0	0·20	− 0·20		0·04	− 0·04	0	1·41	− 1·41	0	Cuddapah.
13	1			1	1	1	8	6	N 77° W	S 45° W	3·3	4·6	−1·3	40	+29	40	−10	·409	−·120	0·5	−0·9	2	0·50	+ 1·50	0·76	0·14	+ 0·62	0·76	0·36	+ 0·40	0·40	Bellary.
13			4	4	2	4	3	1	S 2° E	E	5·4*			22	+11	49	− 4	·476	−·070	0·8	−0·4	1	0·60	+ 0·40	0·31	0·41	− 0·10	0·31	0·62	− 0·31	0·30	Kurnool.
2		1		10	12	5	1		S 9° E	S 32° E	6·7*	6·4	+0·3	72	+ 4	81	0	·756	−·067	2·4	−0·2	0	0·30	− 0·30	0	0·08	− 0·08	0·04	2·37	− 2·33	0	Nellore.
5	2	1		8	14	1			S 18° E	S 20° E	6·4	5·5	+0·9	62	+19	80	− 3	·825	−·032?	3·6	+0·9	0	0·40	− 0·40	0	0·12	− 0·12	0·22	1·19	− 0·97	0	Masulipatam.
9	4	2	1	1	1	4	5	4	N 63° W	N 52° W	6·2	6·5	−0·3	30	−13	85	+10	·824	+·073	4·6	+2·1	0	0·70	− 0·70	0	0·47	− 0·47	3·89	1·75	+ 2·14	0	Cocanada.
3	1	2				20	5		S 57° W	S 88° W	10·3			69	− 6	75	+ 3	·737	−·005	2·8	+0·1	0	0·60	− 0·60	0	0·32	− 0·32	9·53	2·45	+ 7·08	0	Waltair (Vizag.).
		1		2	2	11	10	5	S 70° W		8·3			65						2·5		0			0			13·11			0	Calingapatam.
1	6				5	10	2	7	S 85° W	S 89° W	9·2‡	13·9	−4·7	46	+ 4	81	+ 3	·727	−·013	0·3	−2·2	0	1·00	−1·00	0	0·65	− 0·65	6·45	2·00	+ 4·45	0	Gopalpur.

* Uncorrected for scale error. † Mean of 30 days. ‡ Mean of 10 days. (a) Indeterminate.

T

(2) *Abstract of observations taken at 8 hrs. at 241 stat*

Number of subdivision.	Station.	Elevation of barometer 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.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Bay Islands.																					
1	P. V. Fraser	8	29·924†		29·849†	30·075	13th	29·806	31st	·269	77·8											
	Car Nicobar§	25	?		?	?		?		?	77·4	85·4		73·6		79·5		11·8	87·7	3rd & 18th.	72·3	4th
	Port Blair	58	29·877	—·029	29·866	29·944	13th	29·811	29th	·133	77·2	86·4	—4·7	74·1	—2·5	80·3	—3·6	12·3	89·7	29th & 30th.	70·0	18th
	Slipper Island	90	29·843		29·867	29·919	17th	29·763	2nd	·156	80·2	86·3		75·8		81·1		10·4	90·1	29th	73·1	17th
	Kashmir.																					
14	Muzaffarabad	2,475	27·549		30·102	27·690	10th	27·386	28th	·304	55·3	59·2		53·8		56·5		5·4	64·1	23rd, 25th & 26th	47·1	3rd
	Srinagar	5,204	24·900	—·030	24·871	25·049	12th	24·713	2nd	·336	41·3	54·6	—0·8	38·1	+1·0	46·3	+0·1	16·5	62·1	30th	30·1	6th
	Gulmarg	*8,569*				Observa	tions no	t recei	ved.													
	Sonemarg	*8,764*	21·796		21·764	21·933	11th	21·555	2nd	·378	26·4	37·2		22·2		29·7		15·0	43·4	16th, 23rd & 26th.	7·1	6th & 7th
	Dras	*10,059*	20·714	—·063	20·682	20·972	12th	20·438	2nd	·534	15·6	33·7	—0·4	4·6	+0·3	19·2	—0·1	29·1	43·9	19th	—24·5	6th
	Leh	11,503	19·623	—·059	19·591	19·823	12th	19·371	2nd	·452	26·4	45·3	+2·2	21·1	0	33·2	+1·1	24·2	59·6	27th	9·5	6th
	Skardu	*7,505*	22·846	—·039	22·616	23·126	12th	22·604	2nd	·522	36·4	48·1	—1·7	31·6	—0·9	39·9	+1·3	16·5	58·4	29th	21·6	1st
	Minimarg	*9,359*									25·8	45·1		18·9		32·0		26·2	61·3	25th	2·0	6th
	Astor	*7,955*	22·433		22·403	22·690	11th	22·153	2nd	·532	29·0	45·4							54·4	16th		
	Gilgit	4,890	25·101		24·074	25·381	11th	24·904	19th	·477	48·4	58·7	—3·0	43·9	—1·4	51·3	—2·2	14·8	67·2	19th & 21st	34·2	3rd
	Baluchistan.																					
16	Quetta	5,502	24·651	—·002	24·611	24·756	11th	24·551	28th	·205	48·0	61·3	—3·2	37·2	—2·8	49·2	—3·0	24·1	76·6	31st	21·5	22nd
	Chaman	4,311	25·717	+·001	25·679	25·851	19th	25·594	28th	·257	53·0	62·2	—4·1	44·6	—1·3	53·4	—2·7	17·6	80·3	31st	25·7	4th
	Robat		26·893		26·851	27·142	19th	26·611	24th	·531	55·3	70·4		48·9		59·7		21·5	89·0	30th	30·8	2nd & 4th
	Hill Stations, excluding Kashmir and Baluchistan.																					
	Chitral	*5,486*									42·4	55·1		37·9		46·5		17·2	65·1	20th & 30th	28·0	3rd
	Para Chinar	6,000	24·442		24·409	24·560	11th	24·330	28th	·230	44·8	56·5		37·1		46·8		19·4	66·1	30th	22·4	2nd
	Cherat	*4,256*	25·725	+·011	25·693	25·858	12th	25·592	28th	·261	49·5	59·3	—2·2	46·5	—1·4	52·9	—1·8	12·8	68·7	30th	33·5	2nd
	Murree	6,333	23·822	—·025	23·790	23·933	17th	23·669	3rd	·264	46·3	53·2	—5·1	42·0	—1·3	47·6	—3·2	11·2	62·1	25th	27·2	2nd
	Kailang	*10,087*	20·933		20·888	21·098	12th	20·745	2nd	·353	27·4	39·4	—2·1	22·5	+1·0	31·0	—0·5	16·9	49·1	27th	7·1	11th
	Simla	7,232	23·091	—·007	23·053	23·220	7th	22·967	3rd	·253	49·4	56·5	+0·1	43·7	—2·3	50·1	—1·1	12·8	66·9	28th	31·0	11th
	Sanjai		23·131		23·093	23·245	17th	23·029	3rd	·216	42·0	57·0		35·5		46·2		21·5	69·2	19th	24·5	11th
	Kalabagh					Observ	ations n	ot ava	ilable.													
	Chakrata	7,022	23·273	—·020	23·233	23·380	17th	23·170	2nd	·210	50·0	63·7	+2·0	44·8	+0·5	54·2	+1·3	18·9	74·8	18th & 19th	32·7	11th
	Muktesar	7,592	22·818	—·032	22·777	22·916	17th	22·733	2nd	·183	49·8	62·1	+2·1	43·4	+0·9	52·8	+1·5	18·7	74·5	27th,	32·5	11th
	Darjeeling	7,376	22·965	—·040	22·920	23·061	10th	22·842	21st	·219	49·5	57·2	+0·7	43·1	+0·8	50·1	+0·7	14·1	63·3	23rd, 24th & 26th	33·2	1st
	Shillong	4,920	25·108		25·060	25·219	10th	24·950	21st	·269	57·5	68·5		49·7		59·1		18·8	73·9	26th & 27th	38·7	1st
	Cherra Poonjee	4,309	25·651		25·602	25·728	10th, 11th & 12th	25·567	31st	·161	59·0	66·7		?		?		?	72·7	11th		
	Maymyo	3,545	26·412	—·034	26·387	26·518	11th	26·352	1st	·166	61·1	78·7	—2·7	52·1	+2·5	65·4	—0·1	26·6	85·4	31st	41·6	2nd
	Pachmarhi	3,528	26·487	—·008	26·434	26·601	12th	26·388	3rd	·213	71·4	85·6	+1·2	58·0	—2·4	71·8	—0·6	27·6	95·0	31st	42·6	5th
	Mount Abu	3,945	26·076	—·016	26·026	26·179	11th	25·942	2nd	·237	69·0	77·4	—0·3	62·4	+0·9	69·9	+0·3	15·0	88·7	31st	50·4	5th
	Mercara	3,781	26·242	—·024	26·175	26·309	14th	26·203	28th	·106	68·8	83·6	—1·0	60·9	—0·9	72·3	—0·9	22·7	90·0	26th	58·0	23rd
	Ootacamund	*7,327*	23·078		23·014	23·123	14th	23·049	28th	·074	60·0	69·7		47·7		58·7		22·0	74·5	29th	40·7	17th
	Kodaikanal	7,688	22·836	—·040	22·771	22·882	14th	22·802	28th	·080	58·4	68·4	—0·3	50·8	—0·1	59·6	—0·2	17·6	74·0	21st	47·0	15th

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 elevation for which exceed 5,200 feet.

† Mean of 30 days.

§ Observations of 18 days.

—continued.

India, etc., in March, 1910—continued.

Wind direction. Number of winds from N. (26)	N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction. (34)	Normal direction. (35)	Wind velocity. Mean velocity, miles per hour. (36)	Normal. (37)	Departure from normal. (38)	Wind steadiness. Actual percentage. (39)	Departure from normal. (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal. (42)	Mean vapour tension at 8 hrs, in inches of mercury. (43)	Departure from normal in inches of mercury. (44)	Cloud. Mean cloud amount at 8 hrs. (45)	Departure from normal. (46)	Rainfall. Number of rainy days. (47)	Normal number of rainy days. (48)	Departure from normal. (49)	Rainfall of month. (50)	Normal rainfall of month. (51)	Departure from normal. (52)	Total rainfall from 1st Dec., 1909 to 31st March, 1910. (53)	Normal rainfall for period, 1st Dec., to 31st March. (54)	Departure from normal of period, 1st Dec., 1909 to 31st March 1910. (55)	Heaviest rainfall during month. (56)	Station. (57)
																															Bay Islands.
2	1			4	21	1		S 43° W					68		85		·812		3·6		0			0			12·12			0	P. V. Fraser.
4	4	5	5					N 75° E		1·4			61		83		·823		10·0		5			3·91			18·04			1·82	Car Nicobar.
1	2	1			2	2	2	N 45° W	N 22° W	3·6*	4·2	—0·6	10	—30	86	+ 3	·808	—·055	3·9	+1·1	7			8·12	0·40	+7·72	23·60	8·44	+15·16	2·50	Port Blair.
1	3	2		4	3		6	N 11° W		7·1			37		73		·751		5·7		3			0·94			2·08			0·48	Slipper Island.
																															Kashmir.
1			1			19	10	N 74° W		1·5			84		73		·321		5·8		8			2·60			6·66‡			0·92	Muzaffarabad.
3	1	1	2	1		1	7	N 25° W	S 3° W	2·7	4·8	—2·1	23	+15	86	— 3	·227	—·010	5·6	—0·3	7	6·60	+0·40	3·44	3·14	+0·30	12·47	10·34	+2·13	1·07	Srinagar.
															Observations not received.																Gulmarg.
1	1	2		1				N 75° E		1·8†			10		91		·136		7·1		19			23·36			48·25			3·50	Sonemarg.
1			1				4	N 34° W		1·4			13		97	+ 6	·102		6·8		20	10·80	+9·20	6·33	3·89	+ 2·44	17·69	9·91	+7·78	1·39	Dras.
			1	2	2	3		S 42° W	S 63° W	3·5*	2·0	+1·5	20	0	56	+ 6	·088	+·011	7·2	+1·1	1	1·00	0	0·12	0·22	— 0·10	0·84	1·07	—0·23	0·12	Leh.
		2		5	15	3		S 37° W		6·7			62		77	— 4	·166		7·6		3	2·70	+0·30	1·26	0·96	+ 0·30	4·50	2·66	+1·84	0·53	Skardu.
2	2	5	1		1	2	2	N 42° E		5·1			13		78‖		·115‖		7·0		19			11·92			28·10			1·95	Minimarg.
		7	2		1			S 75° E		3·8			27		65		·112		8·3		?			?			?			?	Astor.
2					2	5		N 84° W		2·2			20		53	+ 2	·184	+·005	6·9	+0·7	2	1·40	+0·60	0·47	0·59	— 0·12	1·56	1·05	+0·51	0·34	Gilgit.
																															Baluchistan.
	2	1	4	1	3	1	3	S	S 12° W	4·3	4·0	+0·3	8	— 3	59	— 3	·197	—·014	4·8	+1·8	6	4·00	+2·00	1·17	1·84	— 0·67	4·73	6·89	—2·16	0·37	Quetta.
1	1	2	9	8	2	1	2	S 23° E	S 31° E	7·0	9·9	—2·9	46	— 5	57	— 2	·229	—·030	6·2	+2·5	5	4·70	+0·30	2·03	1·31	+0·77	4·64	5·28	—0·64	1·05	Chaman.
	8	4	2		9	1		S 60° E		9·0			13		48		·215		2·7		1			0·23			2·02			0·23	Robat.
																															Hill Stations excluding Kashmir and Baluchistan.
	4		1		2			N 63° E		2·2			6		74		·203		5·3		7			3·75			6·29			1·05	Chitral.
				1		2		S 63° W		3·7			6		71		·209		4·9		10	9·00	+1·00	2·81	4·76	— 1·92	10·53	8·11	+2·42	0·45	Para Chinar.
	1		1	2	1		10	N 19° W	N 10° W	17·1	14·2	+2·9	62	+ 6	43	— 8	·174	—·043	6·0	+1·1	3			0·94	3·79	— 2·85	16·42	10·17	+6·25	0·35	Cherat.
	1	1	13	6	1		2	S 42° E	S 33° E	8·7	9·0	—0·3	46	+11	50	— 4	·159	—·018	6·3	+1·4	5	4·90	+0·10	2·42	4·05	— 1·63	14·76	12·70	+2·06	1·09	Murree.
		3	4	2	8	12	2	S 55° W		1·6	1·4	+0·2	52		79		·122		7·0		8			3·22	3·58	—0·36	8·90	10·60	—1·70	1·26	Kailang.
															38	— 6	·134	—·012	5·5	+1·7	4	4·30	—0·30	0·96	2·07	— 1·11	7·02	9·01	—1·99	0·37	Simla.
				9	14			S 28° W		3·0			71		67		·176		6·9		4			1·47			12·83			0·58	Sarain.
															Observations not available.																Kalabagh.
4						1		N 6° E	N 13° E	6·1	7·1	—1·0	69	+30	45	— 6	·165	—·011	3·2	+0·4	2	4·50	—2·50	0·46	2·30	— 1·84	10·92	11·39	—0·47	0·31	Chakrata.
1	5	1		1	12			N 87° W		8·4			20		43	— 6	·146		4·3		0			0·23	1·92	— 1·69	6·30	7·66	—1·36	0·09	Muktesar.
		1		3	4			S 62° W	S 37° E	4·1†	7·5	—3·4	20	+ 9	70	— 5	·254	+·003	3·4	—0·3	6	3·35	+2·65	3·83	1·55	+ 2·28	4·84	3·50	+1·34	1·02	Darjeeling.
			2	11				S 39° W		4·2			43		59		·285		2·8		8	4·40	+3·60	2·60	1·82	+ 0·78	4·95	3·42	+1·53	1·00	Shillong.
	2	3		12	3	1		S 40° W		7·6			43		79		·397		5·5		12	9·00	+3·00	30·56	13·83	+16·73	33·38	16·95	+16·43	12·05	Cherra Poonjee.
			2	9				S 37° W		3·1			33		80	+11	·442		1·4		2	0·90	+1·10	0·51	0·34	+ 0·17	0·66	1·15	—0·49	0·30	Maymyo.
6	2	2	3	3	3	6		N 20° W	N 3° W	5·4	5·0	+0·4	20	+16	28	— 7	·217	—·059	0	—2·1	0	0·90	—0·90	0	0·33	— 0·33	3·45	1·92	+1·53	0	Pachmarhi.
4	1	2	1	4	3	9		N 38° W	N 23° W	7·1	7·2	—0·1	37	+ 8	28	— 7	·211	—·021	1·5	—0·4	0	0·50	—0·50	0	0·13	— 0·13	0·31	0·96	—0·65	0	Mount Abu.
4	1					2		N 18° E	N 22° E	3·5	3·7	—0·2	23	+ 1	75	+ 7	·514	+·021	1·5	—1·4	2	2·00	0	0·74	0·81	— 0·07	1·47	1·48	—0·01	0·44	Mercara.
2	15	8	2					S 74° E		6·2			76		47†		·235†		1·2		1	1·80	—0·80	0·35	1·00	— 0·65	4·71	3·38	+1·33	0·26	Ootacamund.
1	9	2	1			1		N 55° E		13·5*			66		37	—10	·180		0·7		0	3·20	—3·20	0·01	1·92	— 1·91	4·40	11·47	—7·07	0·01	Kodaikanal.

* Uncorrected for scale error.

‖ Mean of 14 days.

‡ Rainfall since 1st February, 1910.

Ta

(2) *Abstract of observations taken at 8*

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
	Extra India.																					
	Singapore (*a*)	10	29·920		29·851	30·000	10th	29·849	28th & 29th,	·151	83·0	87·9		73·6		80·7		14·3	90·5	8th	71·5	18th
	Penang (*a*)	20	29·882		29·827	29·975	14th	29·759	9th & 10th	·216	81·9	90·6		70·1		80·3		20·5	92·0	12th & 18th	69·0	5 days
	Trincomalee	12	29·944†	—·010†	29·882†	29·989	12th	29·904	4th	·085	75·3	88·6	+0·6	74·5	—1·5	81·6	—0·5	14·1	94·0	21st & 23rd	70·0	3rd
	Colombo	40	29·894	—·032	29·860	29·956	13th	29·833	28th	·123	74·6	90·6	+1·2	74·0	—0·9	82·3	+0·1	16·6	92·0	4 days	72·0	17th & 30th.
	Minicoy	7	29·951			30·015	14th	29·877	28th	·138												
	Amini Divi	*13*	29·946	—·009	29·887	30·023	15th	29·868	28th	·155	83·4	90·5	+2·4	76·3	—1·8	83·4	+0·3	14·2	94·4	23rd	70·7	12th
	Gyantse	13,120	16·983		16·944	17·080	18th	16·786	1st	·294	36·6‖	53·7		19·9		36·8		33·8	64·3	20th	9·2	13th
	Pharijong	14,400	15·719		15·678	15·828	14th	15·593	1st	·235	23·5	48·6		−2·8		22·9		51·4	66·4	21st	—10·5	1st
	Gangtok	5,660P	24·414		24·369	24·578	11th	24·255	20th & 21st.	·323	53·5	67·6		48·4		57·9		19·2	73·7	27th	39·8	2nd
	Gartok	14,140									22·5	34·0		11·6		22·8		22·4	47·3	27th	—14·4	11th
	Kashgar (*c*)	4,255	25·543			25·800	22nd	25·250	13th	·550	37·5	53·3	—2·9	33·3	—2·8	43·3	—2·9	20·0	73·6	29th	23·1	1st
	Kabul		24·248		24·217	24·375	17th	24·122	27th	·253	38·3	53·0	—4·1	31·9	—3·7	42·4	—3·9	21·1	68·7	12th	13·7	3rd
	Meshed	3,104	26·761		26·739	27·026	1st	26·313	24th	·713	38·5	53·4		26·3	—12·1	39·9		27·1	74·4	11th	12·8	18th
	Jask	13	29·974	—·014	29·944	30·116	19th	29·785	29th	·331	66·8	76·4	—2·3	65·1	—1·0	70·7	—1·7	11·3	93·3	31st	58·3	5th
	Muscat	20	29·978	+·007	29·946	30·114	19th	29·813	29th	·301	74·0	81·0	+4·4	71·2	—0·8	76·1	+1·8	9·8	96·8	27th	61·6	4th
	Bahrein	18	30·023		29·995	30·202	19th	29·654	24th	·548	65·6	69·6		62·1		65·8		7·5	80·9	25th	52·3	18th
	Bushire	14	29·982	—·005	29·955	30·145	19th	29·575	21th	·570	59·3	67·7	—4·6	56·3	—2·5	62·0	—3·5	11·4	75·3	10th	48·0	14th
	Busrah	25	30·022		30·007	30·209	15th	29·680	21th	·529	61·5	66·7		53·5		60·1		13·2	72·4	29th	45·7	17th
	Kerman										38·8	59·7		33·5		45·6		26·2	70·8	31st	4·5	1st
	Ispahan (*b*) (*h*)	*5,817*	24·243			24·450	19th & 20th	23·880	24th	·570	36·7	54·0	—7·0	33·6	—2·6	43·8	—4·8	20·4	68·4	9th	22·2	17th & 18th
	Tehran (*b*) (*h*)	*4,009*	25·836			26·125	3rd	25·350	24th	·775	39·3	54·9	—2·3	35·3*	—3·1	45·0	—2·7	19·6	65·5	10th	28·0	15th & 17th.
	Baghda	127						Observations not recorded.														
	Beirut ‡	111			29·942						55·5	63·2		49·3		56·3		13·9	68·5	22nd	33·4	14th
	Aden	94	29·881	—·016	29·908	29·930	10th	29·806	25th	·124	78·0	82·7	—1·7	75·6	+0·4	79·1	—0·7	7·1	83·3	21st	71·9	20th
	Perim	201	29·756	+·019	29·894	29·810	14th	29·655	25th	·155	77·9	82·7	—2·6	75·0	—0·8	78·8	—1·7	7·7	87·3	31st	71·2	7th, 9th & 11th, 24th
	Zanzibar	72	29·881	—·026	29·879	29·928	22nd	29·827	29th	·101	82·2	87·4	+1·1	80·1	+0·8	85·8	+0·9	7·3	89·1	5th & 7th	76·9	

N.B.—The 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 " "

(*h*) 7 " "

(*c*) Aneroid corrected.

† Mean of 12 days.

‖ " " 30 "

B—*concluded.*

at 241 stations in India, etc., in March, 1910—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, 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., 1909 to 31st March, 1910.	Normal rainfall for period, 1st Dec., to 31st March.	Departure from normal of period, 1st Dec., 1909 to 31st March 1910.	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.
17	2	7	1				1	3	N 17° E		5·5*			30						4·6		11			7·49			20·94			1·93	Singapore. (a)
	9	15	2	1			1	3	N 25° E		10·2*			76						0·6		16			9·28			44·75			2·28	Penang. (a)
22					7	1	1		S 13° W	S 37° W	1·6*	5·6	−4·0	27	+ 4	92	+11	·814	−·064	1·5	−0·9	0			0	1·45	−1·45	13·75	24·71	−10·96	0	Trincomalee.
				4	3	4	16	4	S 73° W	S 58° E	4·5*	5·4	−0·9	66	+34	92	+18	·790	−·055	3·8	+0·9	2			0·84	4·45	−3·61	4·83	16·73	−11·90	0·44	Colombo.
	11	5	1	3		1		10	N 3° W	N 20° W	4·3‖	5·4	−1·1	61						2·4		1			1·29	0·98	+0·31	2·65	8·08	−5·43	1·29	Minicoy.
4	8	3				1	2	13	N 3° W		5·7			39		72		·830		2·0		0			0	0	0	2·37	0·51	+1·86	0	Amini Divi.
15		1	4	9	1		1		S 55° E		4·9			39		75§		·158‖		1·7		0			0			0			0	Gyantse.
	11	1		1	3	2	5	8	N 43° W		8·2			51		74		·098		1·8		0			0			0			0	Pharijong.
27		2	1	1					N 72° E		2·7			10		78		·321		1·3		11			4·83			6·71			1·28	Gangtok.
4				18	4	5			S 23° E		12·1‖			77						4·4		0			0			0·58			0	Gartok.
27				2				2	(d)	N 1° W	1·8	2·4	−0·6			70		·159		7·1		2			0·58	0·20	−0·38	0·58	0·78	−0·20	0·40	Kashgar.
	1	6	3	2	3	4	10	2	S 81° W	N 80° W				19	+ 2	79		·193		5·2	+1·3	14			9·38	4·90	+4·48	15·13	7·41	+ 7·72	2·12	Kabul.
9	1	6		6		3		6	N 34° E		2·3			13		80		·191		5·0	−0·5	9			4·51	2·43	+2·08	8·16	4·57	+ 3·59	2·40	Meshed.
2	6	7	5	1			1	9	N 11° E	N 23° E	10·3	11·0	−0·7	56	+20	70	− 4	·469	−·097	2·1	−0·2	5			2·60	1·15	+1·45	7·74	3·77	+ 3·97	0·89	Jask.
5	3	1	6	1		2		13	N 16° W	N 72° W	6·0	4·6	+1·4	37	+ 7	71	+ 3	·601	+·025	5·0	+2·8	2			0·44	1·05	−0·61	3·54	3·37	+ 0·17	0·21	Muscat.
	8	4	5	2		2	3	7	N 1° W		8·8			42		77		·490		5·2		2			0·43			5·23			0·17	Bahrein.
5	6	5	3	2				10	N 3° E	N 41° E	11·1‖	8·5	+2·6	49	+ 9	82	+12	·417	−·015	4·5	+1·6	8			3·03	1·00	+2·03	14·75	9·71	+ 5·04	0·97	Bushire.
3	1	3		6	2	3	8	5	S 74° W		4·0			23		71		·390		4·0		5			2·75			5·82			1·09	Busrah.
	6	4	2	1	4	7	4	3	N 79° W		3·28			16		74		·173		3·5							No rain gauge					Kerman.
14	1	1		1	1	6	5		S 63° W	S 82° W	9·3	6·3	+3·0	31		70		·160		3·5		5			2·53	0·99	+1·54	4·19	1·96	+2·23	0·77	Ispahan.
9	8	11	1		2				N 33° E	N 14° E	4·5	3·8	+0·7	55		78		·178		2·2		2			0·69	2·80	−2·11	4·78	6·28	−1·50	0·30	Tehran.
									Observati	ons not rec	orded.											3			1·45	1·60	−0·15	4·05	6·79	− 2·74	1·00	Baghdad.
	1	9	1	3		15		2	S 37° W					16		77		·334		5·6		17			9·50			25·46			1·90	Beirut.
		28		1				2	N 44° E	N 82° E	18·3	15·8	+2·5	92	+13	80	+ 4	·762	+·036	5·3	+0·1	3			0·62	0·87	−0·25	0·70	1·85	− 1·15	0·20	Aden.
2	2	2	16	4	2	1		2	S 87° E	S 73° E	16·0	19·3	−3·3	58	+ 5	81	+ 3	·772	+·006	6·5	+1·2	2			3·73	0·27	+3·46	4·07	0·95	+ 3·12	2·93	Perim.
6	7	13	2			1	1	1	N 29° E	S 27° E	5·4‖	5·4	0	58	+36	77	− 6	·856	−·036	6·2	+0·7	1			0·31	5·58	−5·27	20·14	16·85	+ 3·29	0·12	Zanzibar.

* Uncorrected for scale error.

§ Mean of 27 days.

(d) Indeterminate.

Table C.—Abstract of observations taken at 8 hrs. at 37 fourth class stations in India, etc., in March, 1910.

Ta

Abstract of observations taken at 8 h

Number of subdivision.	Station.	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.	Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant 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
	II.—Eastern Bengal and Assam.																							
4	Bishnath	64·1	82·3	...	57·9	...	70·1	...	24·4	92·9	20th	48·1	8th	44·8	...	...	..	...	...	...	...	...	...	...
	Borjuli	66·7	84·0	...	57·5	...	70·7	...	26·5	92·8	20th	44·7	1st	48·1	...	...	...	...	...	...	...	...	...	...
	Chandkhira	65·9	86·9	...	58·6	...	72·7	...	28·3	91·6	23rd	45·1	1st	46·5	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	63·9	78·3	...	58·8	...	68·5	...	19·5	90·1	20th	50·3	1st	39·8	...	...	...	...	...	...	...	...	...	...
	Dikom	63·0	77·9	...	58·8	...	68·3	...	19·1	90·4	20th	50·4	14th	40·0	...	...	...	...	...	...	...	...	...	...
	Golaghat	66·2	77·8	...	...	...	...	...	...	90·1	23rd	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	63·8	86·4	...	60·1	...	73·3	...	26·3	92·0	11th & 23rd.	48·0	1st	44·0	...	...	...	...	...	...	...	...	...	...
	Jorehat	65·4	80·4	...	59·8	...	70·1	...	20·6	89·9	20th	51·3	5th	38·6	...	...	...	...	...	...	...	...	...	...
	Messa	70·5	86·9	...	53·3	...	70·1	...	33·6	95·7	25th	44·8	29th	50·9	...	...	...	...	...	...	...	...	...	...
	Panerihat	60·8	82·7	...	57·1	...	69·9	...	25·6	90·6	19th	45·5	13th	45·1	...	...	...	...	...	...	...	...	...	...
	Srimangal	69·0	88·1	...	60·8	...	74·5	...	27·3	92·9	28th	44·5	1st	48·4	...	...	...	...	...	...	...	...	...	...
5	Brahmanbaria	72·7	87·7	...	61·9	...	74·8	...	25·8	91·6	23rd & 26th.	52·4	7th	39·2	...	...	...	...	...	...	...	...	...	...
	Dam Dim	63·4	88·0	...	55·0	...	71·5	...	33·0	92·1	27th	44·7	1st	47·4	...	...	...	...	...	...	...	...	...	...
	Goalundo	75·0	90·6	...	63·6	...	77·1	...	27·0	100·2	25th	47·8	1st	52·4	...	...	...	...	...	...	...	...	...	...
	Kalchini	71·5	84·5	...	57·3	...	70·9	...	27·2	90·6	28th	46·4	1st	44·2	...	...	..	...	...	...	...	...	...	...
	Nargakata †	69·1	84·9	...	60·3	...	72·6	...	24·6	90·1	18th, 26th & 28th.	52·0	2nd	38·1	...	...	...	...	...	...	...	...	...	...
	Pabna	72·9	90·8	...	62·6	...	76·7	...	28·2	100·0	26th	48·1	7th	51·9	...	...	...	...	...	...	...	...	...	...
	XI.—Central Provinces.																							
24	Chhindwara	72·7	93·3	...	61·3	...	77·3	...	32·0	103·2	31st	49·0	6th	54·2	...	4	8	2			5	8	4	N 38° W
	Hill Stations.																							
	Panighatta	70·9	83·9	...	62·5	...	73·2	..	21·4	90·1	26th	53·9	6th	36·2	...	...	...	...	...	...	...	...	...	...
	Kurseong	59·2	68·5	...	53·7	...	61·1	..	14·8	77·5	30th	45·3	1st	32·2	...	...	...	...	...	...	...	...	...	...
	Gnatong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lachung	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Ringim	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	48·3	...	26·0	...	37·1	..	22·3	63·5	27th	16·0	10th	47·5	19	1	...	1	6	1	1	1	1	S 37° E
	Kargil	26·8	39·3	...	21·8	...	30·6	..	17·5	51·3	27th	0·3	6th	51·0	...	1	...	13	13	...	...	2	2	S 70° E
	Killa Drosh	42·3	54·9	...	39·4	...	47·1	...	15·5	67·3	30th	29·1	3rd	38·2	17	...	3	...	1	...	4	...	3	N 63° W
	Pishin	...	61·8	...	38·5	...	50·2	...	23·3	79·3	31st	19·0	4th	60·3	...	...	...	...	...	...	...	...	...	...
	Kalat	46·3*	60·3	−4·3	35·3	+3·1	47·8	−0·6	25·0	76·0	31st	17·7	4th	58·3	...	7	...	1	...	19	...	4	...	S 14 W

* Uncorrected for scale error.

† Observations of 30 days.

C.

at 37 fourth-class stations in India, etc., in March, 1910.

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.										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 December, 1909 to 31st March, 1910.	Normal rainfall for period, 1st December to 31st March.	Departure from normal of period 1st December, 1909 to 31st March, 1910	Heaviest rainfall during month.	
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.
...	...	...	...	...	87	...	·530	...	...	...	7	...	...	3·72	...	...	7·64	...	...	1·43	Bishnath.
...	...	...	...	...	77	...	·508	...	...	...	6	...	...	3·31	...	...	5·54	...	...	1·79	Borjuli.
...	...	...	...	...	89	...	·578	...	...	...	6	...	...	6·60	...	...	8·70	...	...	4·45	Chandkhira.
...	...	...	...	...	87	...	·520	...	...	...	12	...	...	7·18	...	...	12·04	...	...	1·30	Doom Dooma.
...	...	...	...	...	92	...	·534	...	...	...	11	...	...	6·94	...	...	10·70	...	...	1·28	Dikom.
...	...	...	...	...	82	...	·533	...	...	...	6	...	...	2·94	...	...	4·14	...	...	0·98	Golaghat.
...	...	...	...	...	91	...	·546	...	...	...	7	...	...	5·78	...	...	7·22	...	...	3·65	Hailakandi.
...	...	...	...	...	85	...	·540	...	...	...	8	...	...	4·49	...	...	6·01	...	...	1·02	Jorehat.
...	...	...	...	...	76	...	·572	...	...	...	6	...	...	3·75	...	...	4·68	...	...	1·60	Messa.
...	...	...	...	...	84	...	·453	...	...	...	5	...	...	5·88	...	...	6·76	...	...	4·05	Panerihat.
...	...	...	...	...	84	...	·608	...	...	...	4	...	...	2·05	...	...	4·61	...	...	1·17	Srimangal.
...	...	...	...	...	77	...	·629	...	...	...	4	...	...	1·67	...	...	2·67	...	...	0·80	Brahmanbaria.
...	...	...	...	...	98	...	·586	...	...	...	6	...	...	3·99	...	...	4·76	...	...	1·20	Dam Dim.
...	...	...	...	...	76	...	·666	...	...	...	4	...	...	1·08	...	...	1·61	...	...	0·48	Goalundo.
...	...	...	...	...	74	...	·587	...	...	...	5	...	...	3·87	...	...	4·69	...	...	1·03	Kalchini.
...	...	...	...	...	67	...	·470	...	...	...	6	...	...	2·81	...	...	3·39	...	...	0·92	Nagrakata.
...	...	...	...	...	78	...	·641	...	...	...	2	...	...	1·04	...	...	1·76	...	...	0·55	Pabna.
																					XI.—Central Provinces.
5·1	...	...	36	...	51	...	·415	...	...	...	0	...	...	0	...	...	2·35	...	...	0	Chhindwara.
																					Hill Stations.
...	...	...	...	...	57	...	·421	...	...	...	6	...	...	2·99	...	...	3·61	...	...	0·95	Panighatta.
...	...	...	...	...	63	...	·318	...	...	...	6	...	...	5·67	...	...	7·00	...	...	1·88	Kurseong.
...	...	...	...	...	...	...	...	...	...	...	11	...	...	7·65	...	...	12·33 §	...	...	1·26	Gnatong.
...	...	...	...	...	...	...	...	...	...	...	7	...	...	6·88	...	...	8·70	...	...	3·75	Lachung.
...	...	...	...	...	...	...	...	...	...	...	10	...	...	7·70	...	...	15·20	...	...	3·83	Ringim.
...	...	...	16	...	...	...	...	...	6·6	...	8	...	...	2·53 ‡	4·11	—1·58	5·98	12·29	—6·31	0·92	Poo.
...	...	...	65	...	57	...	·097	...	7·5	...	5	...	...	2·06	...	...	5·70	...	...	0·78	Kargil.
...	...	...	7	...	75	...	·206	...	3·7	...	7	...	...	1·91	...	...	5·44	...	...	0·46	Killa Drosh.¶
...	...	...	...	...	...	...	...	...	5·3	...	4	5·00	—1·00	1·33	1·83	—0·50	6·29	8·05	—1·76	0·45	Pishin.
...	...	...	39	...	68	...	·233	...	...	...	1	2·60	—1·60	0·25	0·83	—0·58	3·98	3·53	+0·45	0·14	Kalat.

¶ Wind variable 3. ‡ Rain and snow water. § Rainfall from 23rd December 1909 to 19th January 1910 not included.

Tab

Abstract of observations taken at 8 h

Number of subdivision.	Station.	Temperature of air.													Wind Direction,									
															Number of winds from									
		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.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant 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
	Extra India.																							
	Ahwaz*	...	68·5	...	56·3	...	61·9	...	12·2	74·2	23rd	48·0	15th	26·2	...	...	...	...	...	...	...	...	...	...
	Birjand	45·0†	54·5‡	...	36·8‡	...	45·6‡	...	17·7	65·0	30th	19·5	1st	45·5	6	3	11	1	1	1	...	...	...	N 45° E
	Chumbi	33·0	52·7§	...	29·6	...	41·2	...	23·1	62·8	25th	16·2	13th	46·6	...	...	...	...	...	...	...	...	...	...
	Kirmanshah	38·9	50·7	...	28·9	...	39·8	...	21·8	60·0	21st	19·6	17th	40·4	...	...	...	...	...	...	...	...	...	...
	Koweit	...	68·1	...	54·6	...	61·4	...	13·5	75·2	23rd	40·4	17th	34·8	1	2	1	...	8	...	...	4	15	N 45° W
	Maidan	...	68·3	...	49·1	...	58·7	...	19·2	74·2	27th	39·9	31st	34·3	...	...	...	...	...	...	...	...	...	...
	Mahommerah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	2	2	5	6	1	...	5	N 72° E
	Pemba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

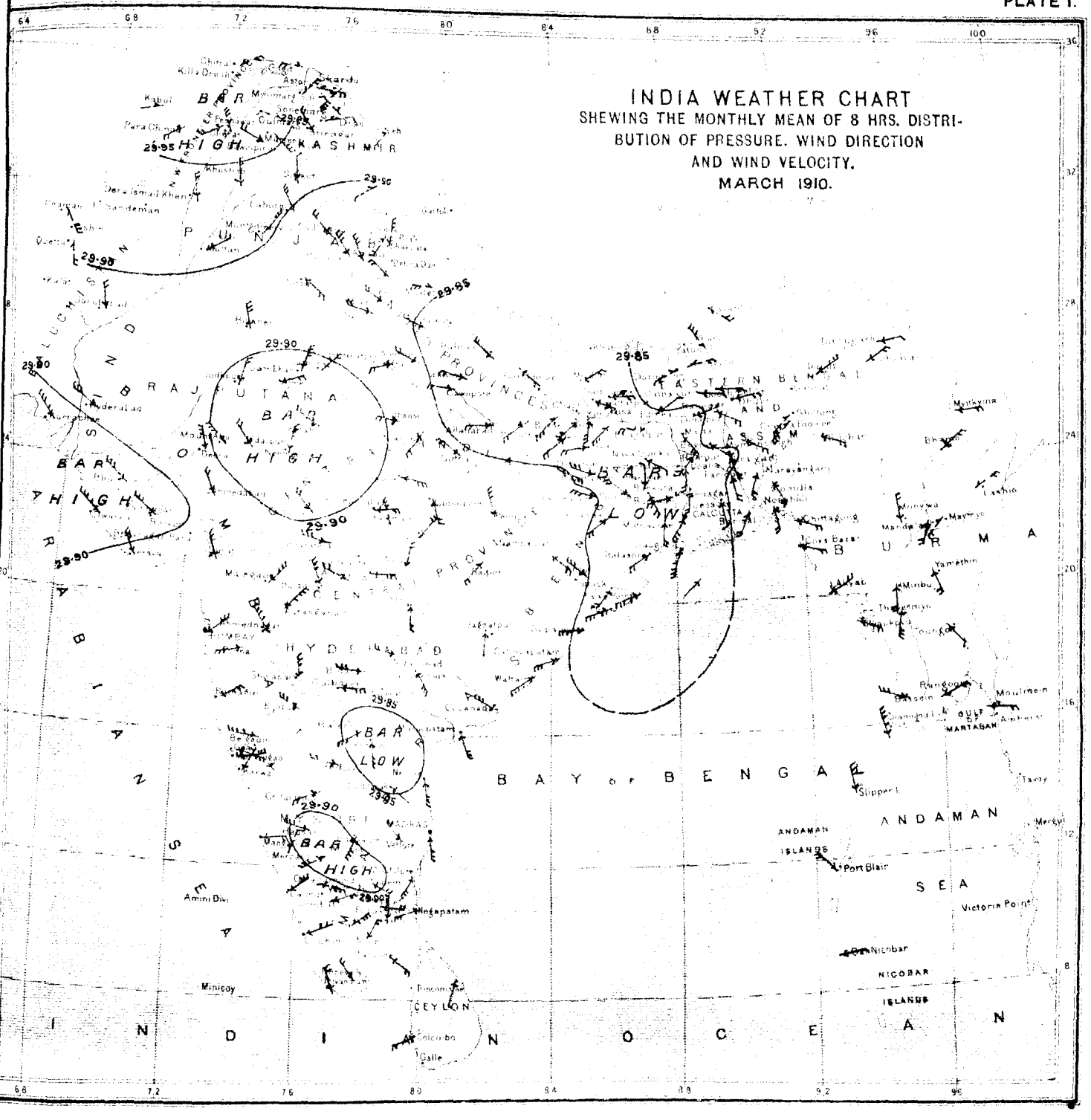
* Observations of 26 days. † Mean of 26 days. ‡ Mean of 27 days.

C—*concluded.*

at 37 fourth-class stations in India, etc., in March, 1910—concld.

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.										
Mean velocity per hour. miles	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 December, 1909 to 31st March, 1910.	Normal rainfall for period, 1st December to 31st March.	Departure from normal of period, 1st December, 1909 to 31st March 1910.	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
																					Extra India.
...	...	...	...	...	...	...	...	...	3·7	...	5	...	...	4·43	...	...	9·74	...	...	2·21	Ahwaz.
¶ 0·4	...	...	57	...	58†	...	·172†	...	‖ 0·5	...	4	...	...	1·4 **	...	...	3·10	...	...	0·60	Birjand.††
...	...	...	...	...	80	...	·162		...	...	8	...	...	3·47 **	...	...	5·77	...	...	1·10	Chumbi.
...	...	...	...	...	74	...	·176	...	...	...	12	...	...	5·37	...	...	10·44	...	...	1·17	Kirmanshah.
...	...	...	36	...	...	...	...	...	5·1	...	5	...	...	3·02	...	...	6·23	...	...	1·05	Koweit.
...	...	...	...	...	...	...	...	...	...	...	6	...	...	4·64	...	...	15·59 (a)	...	...	1·91	Maidan.
...	...	...	10	...	...	...	...	...	...	...	5	...	...	2·61	...	...	2·61	...	...	1·07	Mahommerah.
...	...	...	...	...	...	...	...	...	...	...	0	...	...	0·14	...	...	16·07	...	...	0·09	Pemba.
...	...	...	...	...	...	...	...	...	...	...	1	...	...	0·58	...	...	10·61	...	...	0·58	Prison Island.

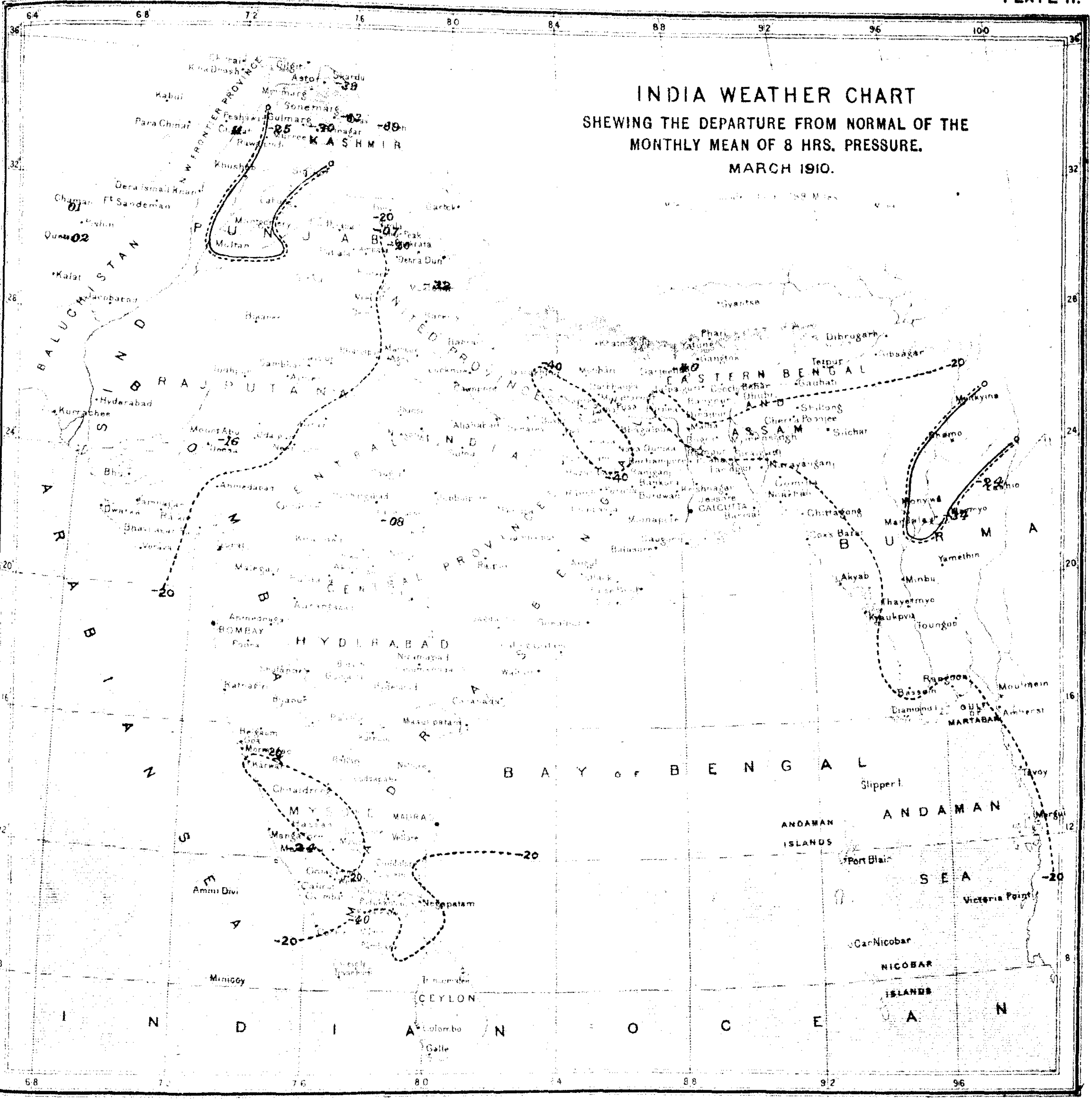
§ Uncorrected for scale error.
(a) Total rainfall since 1st March 1910.
‖ Mean of 22 days.
‡‡ Wind variable 4.
¶ Mean of 20 days.
** Rain and snow water.
†† Wind observations less 8.



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.

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

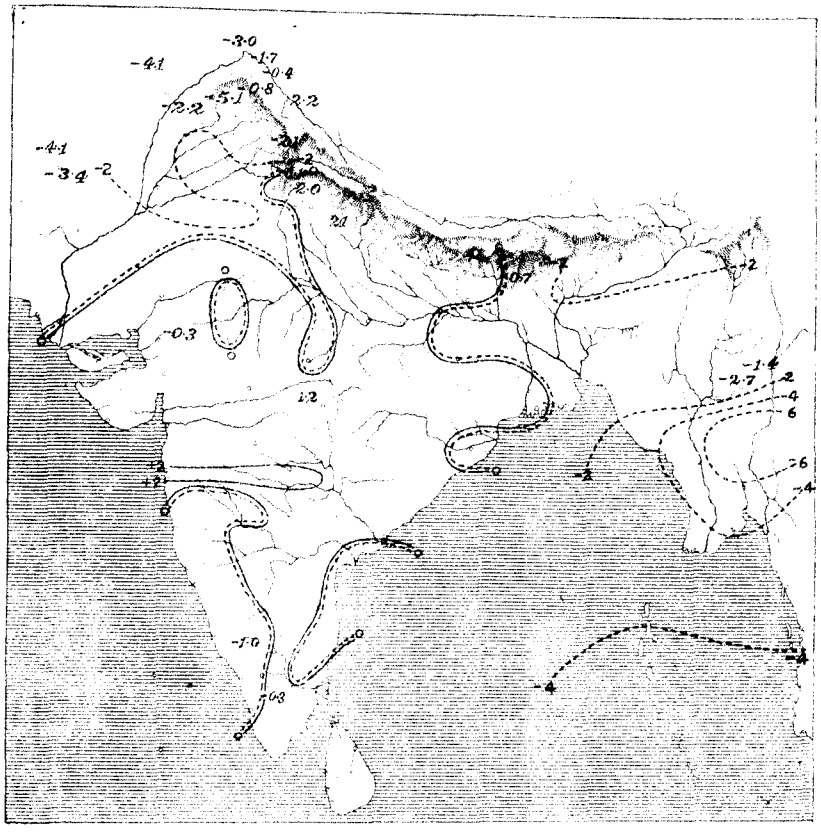


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

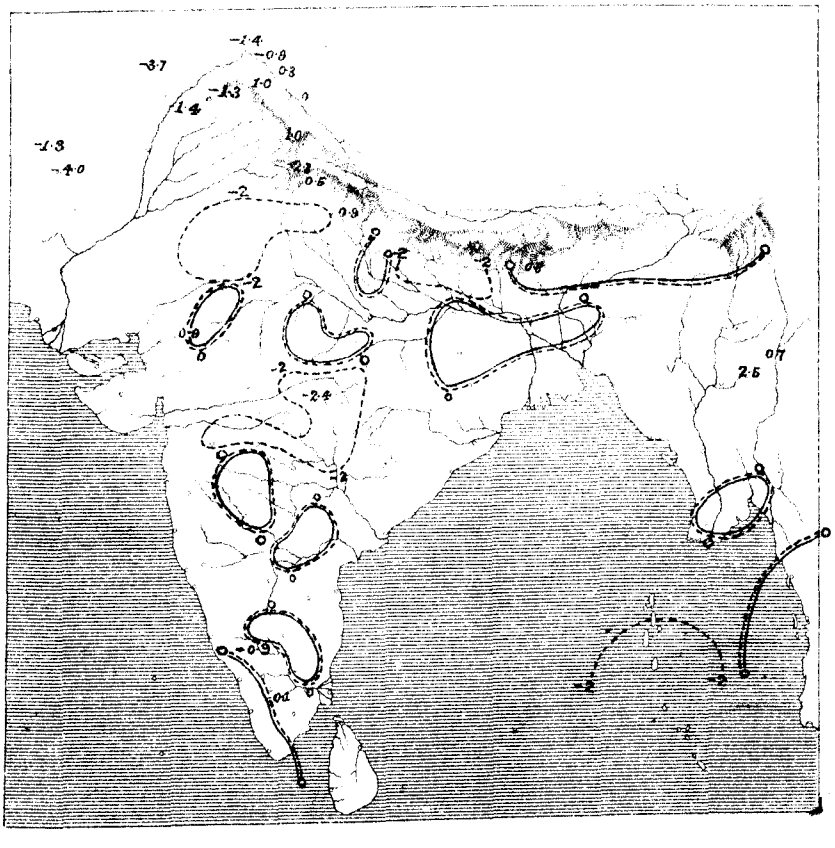


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MEAN TEMPERATURE.

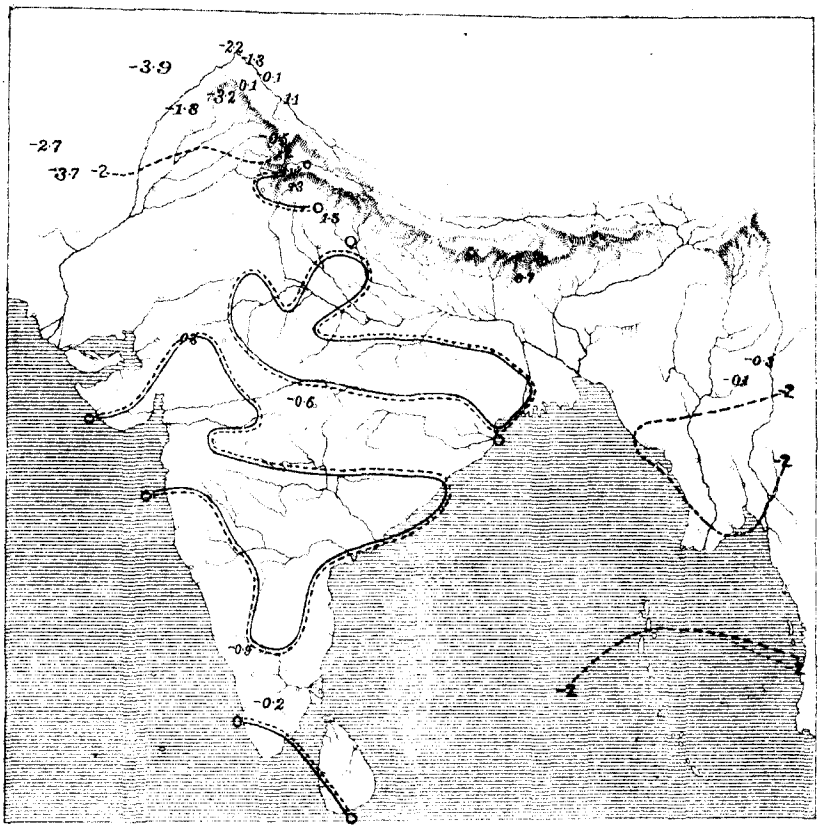


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.

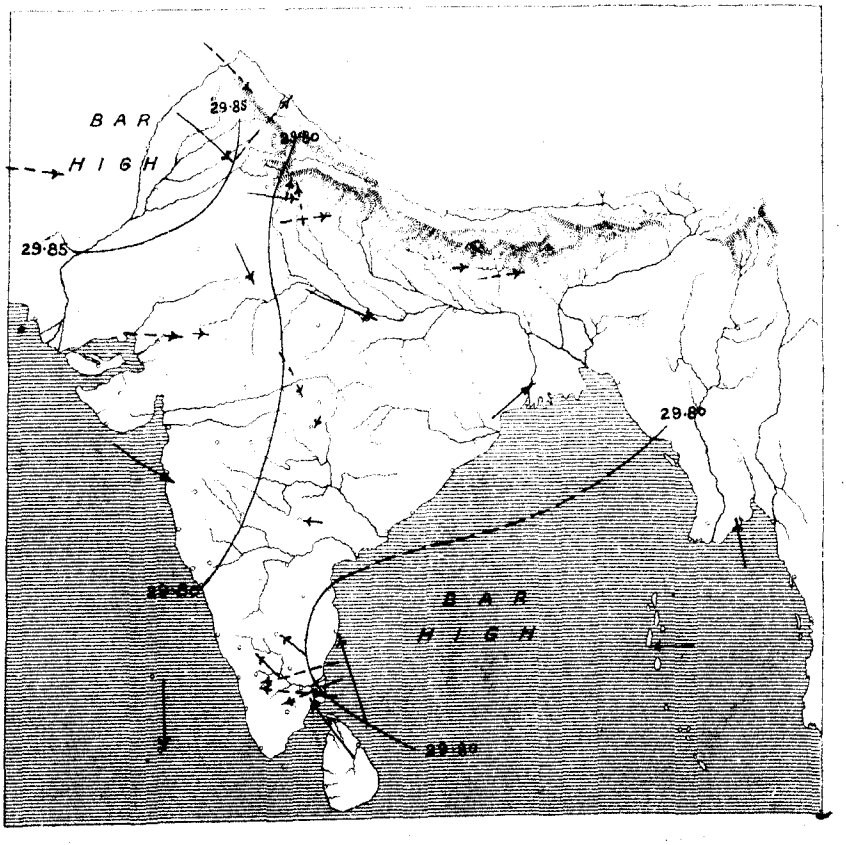


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF ABSOLUTE HUMIDITY AT 8 HRS.

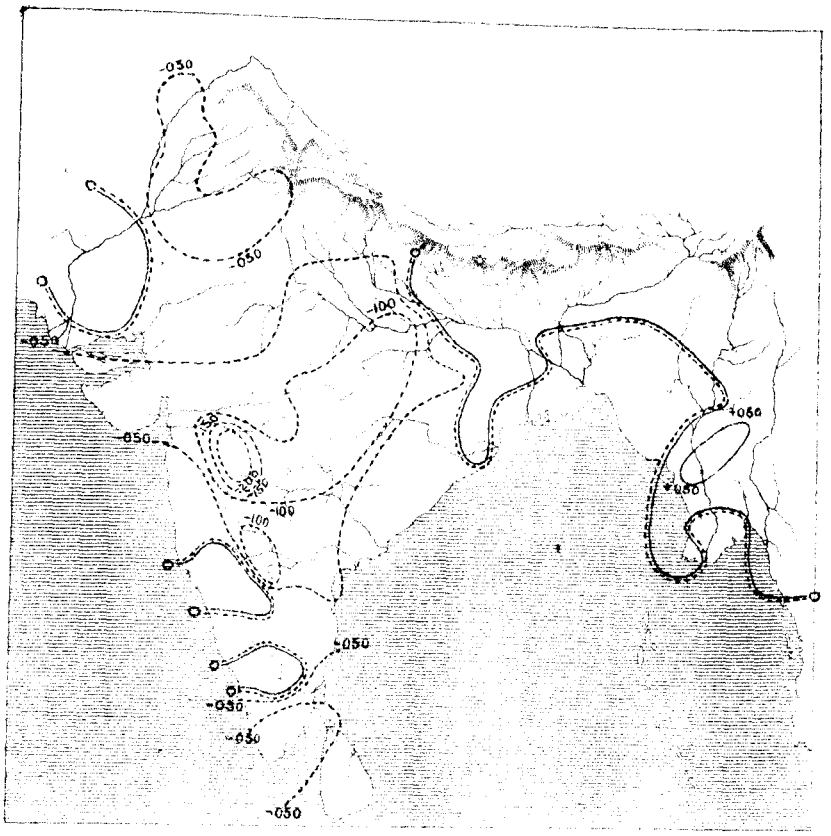


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

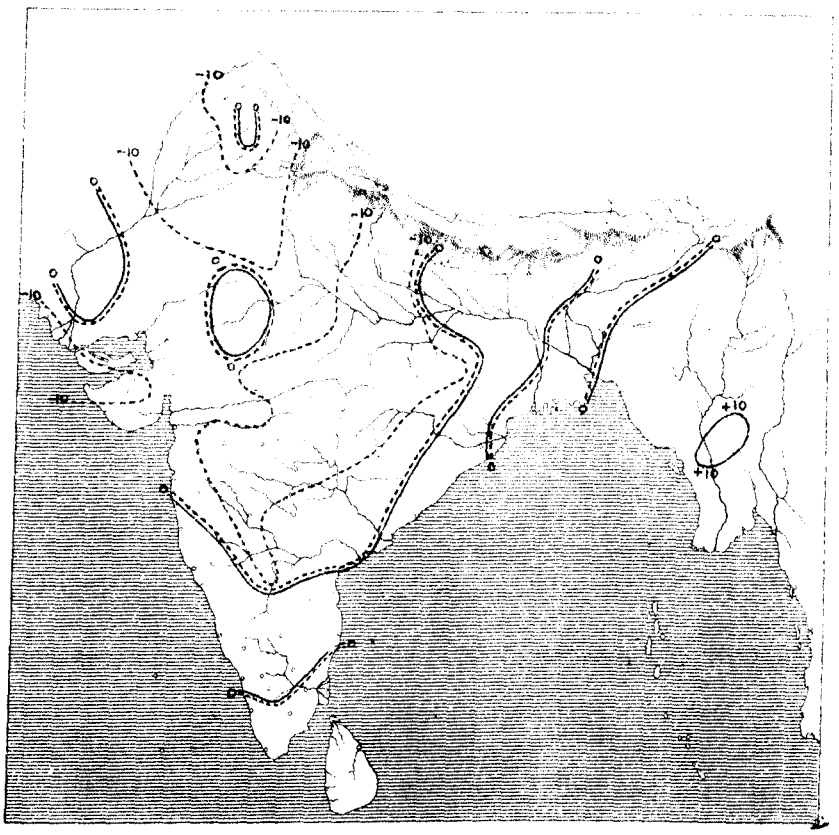


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

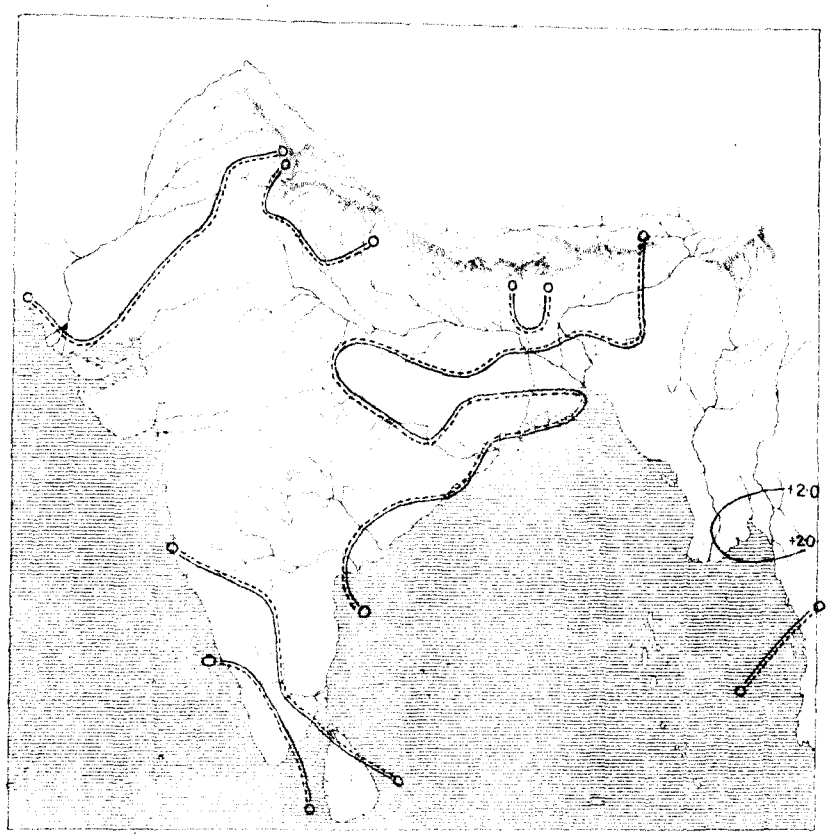
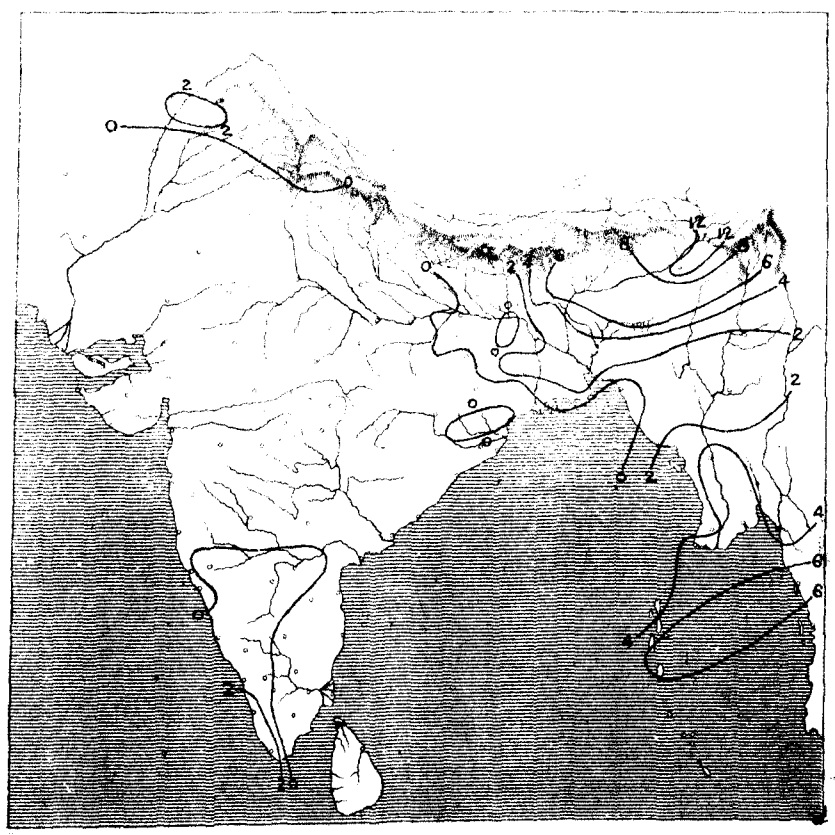
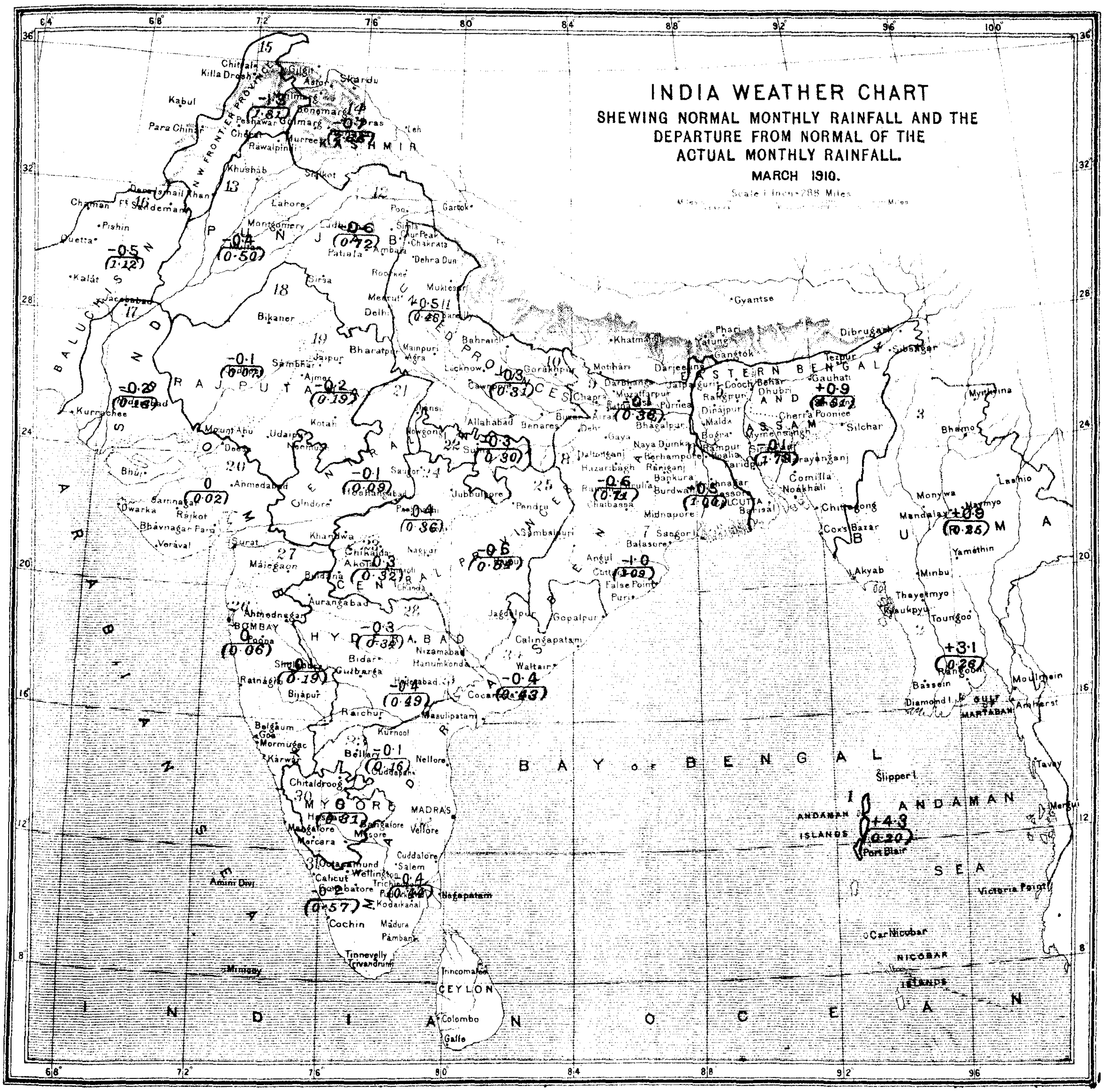


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)



LITHO. G.S.I.



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LITHO. BY S.B.M.

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, APRIL, 1910.

INTRODUCTION.

THIS review of the weather in India during the month of April, 1910, is based on observations taken daily at 8 hrs. at 239 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 34 stations. In the rainfall summary have been utilized 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.

The brief notes on solar, seismic and magnetic disturbances are supplied by the chief observatories in the Indian area.

Summary of the chief features of the weather in India during the month.

2. The chief feature of the weather of the month was the occurrence over the Bay during the second week of a severe storm which struck the coast south of Akyab and caused heavy rain in Burma as well as in the Bay Islands. Conditions were also more than usually disturbed in the north-west of India owing to a series of five depressions formed in the highlands to the west of the Indus. The precipitation associated with these was by no means heavy and occurred almost entirely in the extreme north: its temperature effects were however strongly marked and extensive, and retarded considerably the establishment of the hot weather conditions.

The month's precipitation was deficient in all parts of the peninsula excluding the north of the Madras coast, in Eastern Bengal, Assam, Bihar, the United Provinces and the east and north Punjab, and normal or above it elsewhere.

Humidity, both absolute and relative, was high in Burma and low in most other parts of the country. Skies were very cloudy in Central India, covered to about the customary extent in northern India and Burma, and clearer than usual in the greater part of the peninsula.

Temperature did not depart to any great extent from the normal, except in northwest India where the weather was much cooler than usual, both in the day time and at night. Temperature was more than usually unsteady in northern India, being influenced by a succession of hot and cold waves.

The barometric pressure of India as a whole was ·008″ in defect, and the departures from this mean were nowhere strongly marked.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar observations.*—The month was fine throughout and complete solar observations were made on all the days.

Sunspots.—Thirteen new groups were recorded and all of them were small. The daily average number was 1·3 as against 1·9 in March. The average life of a spot was only 3·5 days. There were 7 days on which the sun

was free from spots at the time of observation. The latitude distribution of spots was as follows:—

TABLE 1.

	0° - 10°.	10° - 20°.	Extreme latitudes.	Mean latitude.
North . .	6	...	4°, 10°	8°·1
South . .	5	2	1°, 14°	8°·1

Prominences.—Fifty-three large, 1 metallic, and 3 eruptive prominences were recorded during the month. The highest was photographed on the 14th at latitude —12° west and was 135″ high. Seven prominences, most of them small, were seen on Ca flocculi plates to be continued into the sun as dark streaks.

Magnetic disturbances.—A "great" magnetic disturbance was recorded from the 27th to 28th and "moderate" ones on the following dates:—1st to 3rd; 12th to 13th; 17th to 19th; and 22nd to 24th. At the time of the great disturbance there was no spot visible on the sun. On the 28th morning, however, a violent disturbance of the chromosphere was noted at latitude +2° on the east limb of the sun, heralding a new active spot that came round the next day.

Seismological records.

TABLE 2.

No.	Date.	P. T. Commencement G. M. T.	L. W. Commencement G. M. T.	Maxima G. M. T.	End.	Maximum amplitude.	Duration.	REMARKS.
	1910.	H. M.	H. M.	H. M.	H. M.	mm.	H. M.	
14	April 1	14 06·2	...	...	14 56	...	0 50	Widening of line.
15	" 12	0 22·8	0 30·5	0 38·3	2 20	2·0=1·0	1 57	
16	" 16	12 37·2	13 05·2	13 06·1	13 36	0·5=0·3	0 59	
17	" 17	1 38·6	1 50·3	1 55·4	2 45	0·4=0·2	1 06	
18	" 27	2 50·3	2 55·9	3 02·5	3 29	0·6=0·3	0 39	

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

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of April 1910, the traces showed 14 calm days, 11 days of small and 5 days of moderate disturbance.

The days of the month selected as "quiet" for the purposes of the Magnetic Survey of India are the 8th, 10th, 11th, 21st and 25th.

The mean 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 . . .	0° 58′ 23″	
Horizontal force . . .	0·36841	C. G. S. unit.
Vertical force . .	0·16085	" "
Inclination (calculated) . .	23° 35′·0.	
Inclination (observed) . .	23° 34′·4.	
Horizontal force range . .	0·00045	C. G. S. unit.
Horizontal force summed range .	0·00274	" "
Declination range . . .	3′·6.	
Declination summed range .	13′·5	

(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 during the month:—

TABLE 3.

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

C=calm, S=small, M=moderate, G=great, V. G.=very great.

Seismic disturbances.

TABLE 4.

Date.	Commencement.	Maximum.	End.	Maximum amplitude.	Duration.
	H. M.	H. M.	H. M.	mm.	H. M.
April 12th .	0 30·2	0 49·2	1 34·6	1·8	1 4·4
" 16th .	12 48·0	13 6·9	13 24·7	0·4	0 36·7
" 17th .	1 42·0	1 52·0	2 1·9	0·3	0 18·9
" 27th .	2 52·9	2 57·2	3 18·8	0·4	0 25·9

All times given above denote G. M. T.
Sensibility to tilt, 1 mm. = 0″·36.

N. A. F. MOOS,
Director,
Bombay Observatory.

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the Milne seismograph.*

TABLE 5.

Date 1910.	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 1	13 41·0	...	14 19·1	14 49·6	1 8·6	0·50	
" 6	18 38·0	...	...	19 27·8	0 49·8	...	Thickening of the line.
" 9	9 10·4	9 29·2	9 30·2	9 54·1	0 43·7	1·50	
" 12	... (a)	0 28·2	0 38·4	2 10·9	1 42·7	11·00*	*Measured from the base line.
" 16	...	12 45·4	12 59·1	14 4·1	1 18·7	1·25	

The clock did not drive the paper from 24th to the end of the month.

(a) Begins with morning air tremor. Sensibility 1mm.=0″·38 of tilt.

C. W. PEAKE,

Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing seismographs.*

TABLE 6.

Date.	Beginning of 1st P. T.	Beginning of 2nd P. T.	Beginning of L. W.	Time of maximum amplitude.	End approximately.	Duration.	Maximum displacement of style.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
1st (A)	13 59·1	14 7·4	14 12·1	14 8·9	14 25	0 26	Small*	From about 2,700 miles.
4th (A)	10 31·5	10 31·6	...	10 33·9	...	...	0·5	
(B)	10 8·9	10 9	...	10 9·1	...	...	Small*	Local.
5th (A)	5 30·2	5 31	5 32·4	5 31·5	5 37	0 6·8	"	From about 500 miles.
(B)	5 30·3	5 30·7	...	5 31·1	5 33	0 2·7	"	
(A)	22 36·9	22 39	22 39·9	22 41·7	22 56	0 19·1	0·2	From about 600 miles.
(B)	22 38·3	...	...	22 41·5	...	...	Small*	
6th (A)	2 4	2 6·5	2 7·9	2 9·4	2 19	0 15	0·3	From about 1,000 miles.
(B)	2 5·2	2 6·1	2 8·1	2 6·7	2 15	0 9·8	Small*	
9th (A)	9 31·4	9 34	9 35·3	9 37	10 0	0 28·6	Small	From about 1,000 miles.
(B)	9 31·4	9 33·9	9 36·5	9 36·7	9 44	0 12·6	"	
(A)	11 30·1	11 32·1	11 34·3	11 36·5	11 48	0 17·9	0·2	From about 1,000 miles.
(B)	11 31·9	...	...	11 37·5	11 40·4	0 8·5	Small*	
12th (A)	0 29·5	0 35·1	0 38·2	0 44	1 44	1 14	2·9	From about 2,000 miles.
(B)	0 29·6	0 35·2	0 38·9	0 36·7	1 2	0 32	6	
16th (A)	11 37·5	...	...	11 46·8	12 16	0 39	Small*	
(B)	11 18·6	...	...	11 19	11 26	0 7·4	"	

All times are given in G. M. T.
A = E—W component.
B = N—S component.

Magnification of each instrument was 15.
* Displacements less than 0·2 mm. are reported as "Small".

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

TABLE 7.

Place at which felt.	Date.	G. M. T. of earthquake.	Duration.	Intensity.	No. of shocks.	REMARKS.
		H. M.	Sec.			
Chittagong . .	9th	9 24	12	6	2	
Barisal . . .	9th	9 28	6	1	2	
Noakhali . .	9th	9 35	30	6	2	
Perim . . .	22nd	10 51	2	4	2	

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	1·26
Mean	1·40
Number of days of observation . . .	12

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ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. (*No information has yet been received for January, February, March and April.*)

Weather in the Indian monsoon region.

8. In the equatorial region, as represented by Seychelles and Zanzibar, pressure did not show any marked departure from the normal. Winds were somewhat stronger than usual, and at Seychelles a strong and unusual westerly component occurred in the mean wind direction. Precipitation was approximately normal at Zanzibar and 55 per cent. in excess at Seychelles.

TABLE 8.

—	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	...	+·003	—·002
Actual mean wind direction .	...	S 12° W	N 37° W
Normal mean wind direction .	...	S 5° E	N 8° E
Actual mean wind velocity (miles per diem).	...	184	127
Normal mean wind velocity (miles per diem).	...	170	112
Rainfall departure from normal .	...	+1·29	+3·86

Depressions and cyclonic storms.

9. In northern India April is usually a month of well-developed hot weather conditions and the disturbances which affect the weather there are of local origin. A few depressions of the winter type are recorded in the Persian region, but their line of travel lies considerably further north than in the earlier part of the year and their influence on the weather in India is accordingly confined to the extreme north. During the month under review no less than five depressions of this class crossed into India and travelled northeastwards towards the northwest Himalayas, giving light to moderate precipitation in the northern and western districts of northwest India. Four of the disturbances were followed by distinct cool waves, with the result that the establishment of the pressure conditions characteristic of the hot weather period was delayed by several weeks.

Weather was unusual also over the Bay of Bengal where an early advance of humid winds from the equatorial regions gave rise to a cyclonic storm of which the following is a brief history :—

Cyclonic storm of the 13th to the 15th in the Bay of Bengal.—The information contained in the logs of vessels, although imperfect, shows that for days previous to the formation of the storm moderate to strong westerly and southwesterly winds with rainy squally weather prevailed over the entrance to the Bay, and light unsteady winds further north over the centre.

Pressure was deficient over the Bay, particularly over the strip lying between the Andamans and the north Coromandel coast, and apparently it was the rush northwards of humid westerly winds into the east of this region on the 11th and 12th that caused the low pressure conditions to concentrate into a storm. On the morning of the 13th winds in the Andamans and the adjacent sea area showed a marked tendency to cyclonic circulation and were blowing freshly or strongly. The disturbance continued to grow during the next two days, and by the morning of the 15th had become a deep depression, at the centre of which pressure was at least three-quarters of an inch below the normal, and around which a vigorous circulation of winds prevailed. Most of the vessels contributing information for this day were at too great a distance to enable the position of the centre to be fixed precisely, but it is very probable that at 8 hrs. it was in about Lat. 15° N. and Long. 91° E. A gale of wind (force 8 or 9) was blowing at a distance of about 200 miles to the north of the centre, a further indication of the severity of the storm at this stage.

The storm advanced with unusual rapidity during the day and crossed the Arakan coast about 2 hrs. of the 16th between Kyaukpyu and Akyab, producing a fall in the barometric pressure of one inch and a quarter at the former and of over half an inch at the latter station. It filled up rapidly in its passage across the Arakan hill ranges, so that at 8 hrs. of the 16th only a shallow depression in the neighbourhood of Mandalay marked its existence.

The steamer *Quiloa* and *Paknam* which were involved on the 15th in the eastern semi-circle experienced winds of hurricane violence with terrific or dangerous seas.

The storm was in some respects the most remarkable of recent years. It formed unusually early in the year, being in fact the first instance since 1860 of a storm in the Bay during the first half of April, and it travelled on the 15th with an exceptionally high velocity (25 miles an hour).

Pressure.

10. Atmospheric pressure was decidedly below the normal at the level of the hill observatories in northwest India, but the deficiency was more than neutralized by the relative high density of the lower atmosphere, so that at the earth's surface there was an excess of pressure, amounting to about ·006″. In the rest of the plains the pressure was below the average, though not to the same extent as in March, and the geographical mean of pressure over the whole country was only ·008″ in defect, as compared with ·022″ in the previous month.

As usual during periods of more disturbed weather than usual the vertical gradient was considerably stronger than usual in northern India, and also in the south of the peninsula.

TABLE 9.

DIVISION.	Departure from normal of mean 8 hrs. pressure.
	"
Burma	—·017
Eastern Bengal and Assam	—·010
Bengal	—·009
United Provinces	+·006
Punjab	+·009
North-West Frontier Province	—·010
Sind	+·002
Rajputana	+ 008
Bombay	—·007
Central India	+ 001
Central Provinces	—·007
Hyderabad	—·025
Mysore	—·010
Madras	—·019

TABLE 10.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference. B–A.
	"		"	"
Quetta	– ·024	Jacobabad	—·012	+·012
Leh	—·074	Lahore	+·003	+·077
Murree	—·043	Peshawar	—·011	+·032
Simla	—·016	Ludhiana	+·012	+·028
Chakrata	—·015	Roorkee	+·021	+·036
Darjeeling	—·035	Jalpaiguri	—·020	+·015
Mount Abu	—·014	Deesa	+·004	+·018
Pachmarhi	+·005	Khandwa	—·004	—·009
Kodaikanal	—·029	Madura	+·003	+·032

Temperature.

11. In this month the abnormalities of temperature were in general similar in kind to those of March, but were on the whole much more pronounced. Temperature was lower than usual, both by day and night, in Burma and most parts of northern and central India. The deficit was on the whole small in amount except in the Punjab, the North-West Frontier Province, Rajputana and the hill districts of Baluchistan and Kashmir, where it ranged between 2° and 8°. Over the peninsula the deviations from the normal were inappreciable, except in a small area comprised by Hyderabad, Mysore and central Madras, where temperature during the day time was from 2° to 4° in excess. A series of waves of high and low temperature were recorded in northern India; the latter were more intense and prolonged than the former and left a strong impress on the mean temperature conditions of the month in northwestern India.

TABLE 11.

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	87·8	77·7	82·8	10·1	18·6	—4·6	—1·7	— 2·9
2. Lower Burma	91·1	75·3	83·2	15·8	24·1	—3·0	—0·6	— 2·4
3. Upper do.	95·5	71·4	83·5	24·0	37·8	—3·4	—1·3	— 2·1

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.
	°	°	°	°	°	°	°	°
4. Assam	83·5	68·6	76·0	14·9	29·0	—3·1	+0·1	— 3·2
5. Eastern Bengal	92·1	72·2	82·2	19·9	32·9	—0·8	—0·1	— 0·7
6. Bengal	99·5	75·4	87·5	24·0	39·1	+0·3	—0·5	+ 0·8
7. Orissa	97·2	76·3	86·7	21·0	33·2	—0·3	—0·5	+ 0·2
8. Chota Nagpur	101·8	73·1	87·5	28·7	43·2	+0·8	0	+ 0·8
9. Bihar	99·8	71·6	85·7	28·2	42·3	—0·2	—0·3	+ 0·1
10 United Provinces, East	101·5	69·7	85·6	31·8	47·5	—0·4	—1·7	+ 1·3
11. Do., West	97·4	67·3	82·4	30·1	48·3	—2·0	—2·5	+ 0·5
12. Punjab, East and North	92·4	63·1	77·7	29·3	51·7	—4·7	—3·6	— 1·1
13. Do., Southwest	92·8	64·7	78·7	28·1	53·2	—5·4	—3·6	— 1·8
14. Kashmir	56·2	38·2	47·2	18·0	38·7	—4·5	—2·7	— 1·8
15. North-West Frontier Province	84·5	59·8	72·1	24·7	50·8	—6·2	—3·7	— 2·5
16. Baluchistan	77·0	50·6	63·8	26·4	57·8	—4·7	—6·8	+ 2·1
17. Sind	94·8	70·1	82·5	24·7	48·8	—2·5	—1·7	— 0·8
18. Rajputana, West	98·0	69·3	83·7	28·7	52·3	—3·3	—4·9	+ 1·6
19. Do., East	97·9	69·2	83·6	28·7	49·3	—2·0	—3·9	+ 1·9
20. Gujarat	97·7	70·9	84·2	26·8	43·7	—1·1	—1·8	+ 0·7
21. Central India, West	98·1	68·7	83·3	29·4	47·7	—2·7	—1·9	— 0·8
22. Do., East	101·5	70·5	85·9	31·1	51·7	—1·1	—1·1	0
23. Berar	104·0	75·7	89·8	28·3	41·7	+0·5	—0·8	+ 1·3
24. Central Provinces, West	102·8	71·1	86·9	31·8	46·3	—0·5	—0·8	+ 0·3
25. Do., East	103·3	74·8	89·1	28·5	42·5	+1·1	—1·3	+ 2·4
26. Konkan	89·1	77·6	83·4	11·5	17·4	—0·5	—0·7	+ 0·2
27. Bombay Deccan	102·5	71·0	86·7	31·5	40·3	+1·4	—0·9	+ 2·3
28. Hyderabad, North	104·0	74·9	89·4	29·1	41·2	+2·1	+0·5	+ 1·6
29. Do., South	105·1	78·3	91·6	26·8	37·0	+2·9	+1·3	+ 1·6
30. Mysore	95·5	69·5	82·6	26·0	34·5	+2·0	+0·3	+ 1·7
31. Malabar	90·3	77·9	84·1	12·3	19·8	—0·4	+0·5	— 0·9
32. Madras, Southeast	98·3	77·0	87·7	21·3	32·1	+1·5	0	+ 1·5
33. Do. Deccan	106·8	79·2	93·0	27·6	40·8	+2·7	+0·6	+ 2·1
34. Do. Coast, North	94·1	77·7	85·9	16·4	26·6	+0·9	—0·1	+ 1·0

TABLE 12.

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

Winds.

12. The only noticeable features were (1) the prevalence over the middle portion of the Central Provinces of northerly winds, in place of the usual west or southwest winds; (2) the great steadiness of the winds over the peninsula, the United Provinces, the Punjab and the North-West Frontier Province, and the marked variability in Burma; and (3) the low rate of movement in Eastern Bengal and Assam.

TABLE 13.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	—0·2	—17
Eastern Bengal and Assam	—1·2	— 5
Bengal	—0·4	— 4
United Provinces	+0·2	+ 10
Punjab	+0·4	+ 7
North-West Frontier Province	—0·9	+ 7
Sind	—0·5	— 1
Rajputana	+1·1	— 6
Bombay	—0·3	+11
Central India	—0·6	0
Central Provinces	+0·7	0
Hyderabad	—1·1	+ 3
Mysore	+1·4	+20
Madras	+0·8	+ 9

Humidity and cloud.

13. Except in Burma and a few places elsewhere the absolute humidity was below the average in all parts of the country. The greatest deficiency occurred in the Central Provinces and Hyderabad, and it was scarcely less in the west of Central India. The relative humidity of the air was also similarly distributed, but in northern India, owing to the prevailing low temperature, the defect was very small in amount, and in some places in the northwest the defect was replaced by an excess.

The quantity of cloud was much below the average in Hyderabad and to a less extent in Sind and Bombay, while it was in considerable excess in Central India and most of

the hill districts in northern India. In all other parts of the country the state of the sky was about normal.

TABLE 14.

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	78	+ 6	·783	+·017	3·0	—0·3
Eastern Bengal and Assam.	80	— 1	·743	—·024	4·4	—0·3
Bengal	60	— 1	·630	—·036	2·0	—0·4
United Provinces	40	— 3	·405	—·057	1·3	—0·2
Punjab	44	— 1	·359	—·063	2·5	+0·2
North-West Frontier Province.	58	0	·413	—·067	3·3	+0·6
Sind	56	0	·564	—·011	1·4	—0·5
Rajputana	35	+ 2	·357	—·041	1·6	+0·1
Bombay	52	— 6	·559	—·070	1·5	—0·7
Central India	27	— 7	·299	—·108	1·9	+0·7
Central Provinces	24	—13	·286	—·176	1·7	—0·2
Hyderabad	34	—16	·429	—·167	1·1	—1·5
Mysore	68	— 3	·631	—·015	3·1	—0·7
Madras	71	— 2	·828	—·016	3·8	—0·1

Rainfall.

14. Weather was almost as dry in this as in the previous month in the peninsula, the aggregate rainfall measurements being short of the normal except in the Madras Coast North. The month was practically rainless in the Konkan and the Bombay Deccan which under ordinary conditions receive half an inch or more of rain. In northern India on the other hand the precipitation of the month was very irregularly distributed: thus the total quantity of the month was in excess in Kashmir, the North-West Frontier Province, the southwest Punjab and west Rajputana, and also in Orissa and Chota Nagpur, but was very nearly normal or in defect elsewhere. The deficit was less than a quarter of an inch in amount except in Eastern Bengal and Assam, where it averaged 1·1″ or 17 per cent. In Burma and the Bay Islands the fall was much above the normal owing to the heavy burst produced by the Bay storm.

TABLE 15.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			″	″	″	
1. Bay Islands	6·0	3·7	3·56	2·13	+1·43	+ 67
2. Lower Burma	3·7	2·5	2·99	1·87	+1·12	+ 60
3. Upper do.	3·0	2·2	2·90	1·14	+1·76	+154
4. Assam	10·8	11·4	7·89	9·21	—1·32	— 14
5. Eastern Bengal	4·1	4·6	2·87	3·75	—0·88	— 23
6. Bengal	3·7	3·0	1·95	1·91	+0·04	+ 2
7. Orissa	2·8	2·1	1·48	1·23	+0·25	+ 20
8. Chota Nagpur	2·4	1·8	1·36	0·90	+0·46	+ 51
9. Bihar	0·9	1·1	0·41	0·59	—0·18	— 31
10. United Provinces, East	0·2	0·4	0·05	0·14	—0·09	— 64
11. Do., West	0·3	0·6	0·08	0·23	—0·15	— 65

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
12. Punjab, East and North	0·9	1·0	0·28	0·43	—0·15	— 35
13. Do., Southwest	2·6	0·9	0·82	0·37	+0·45	+122
14. Kashmir	6·1	4·6	3·09	2·50	+0·59	+ 24
15. North-West Frontier Province	5·1	2·6	2·19	1·31	+0·88	+ 67
16. Baluchistan	1·5	1·2	0·48	0·48	0	0
17. Sind	0·3	0·3	0·09	0·13	—0·04	— 31
18. Rajputana, West	0·6	0·2	0·17	0·06	+0·11	+183
19. Do., East	0·3	0·3	0·07	0·11	—0·04	— 36
20. Gujarat	0	0·1	0·01	0·02	—0·01	— 50
21. Central India, West	0	0·1	0·02	0·05	—0·03	— 60
22. Do., East	0	0·3	0·12	0·12	0	0
23. Berar	0	0·6	0	0·24	—0·24	—100
24. Central Provinces, West	0	0·6	0·02	0·22	—0·20	— 91
25. Do. East	0·6	1·2	0·26	0·48	—0·22	— 46
26. Konkan	0	0·8	0·01	0·45	—0·44	— 98
27. Bombay Deccan	0	1·6	0·04	0·78	—0·74	— 95
28. Hyderabad, North	0	1·3	0	0·48	—0·48	—100
29. Do., South	0·8	1·6	0·37	0·67	—0·30	— 45
30. Mysore	2·0	2·9	0·95	1·64	—0·69	— 42
31. Malabar	3·6	4·3	2·50	2·87	—0·37	— 13
32. Madras, Southeast	1·4	2·1	0·91	1·41	—0·50	— 35
33. Do. Deccan	0·9	1·3	0·36	0·63	—0·27	— 43
34. Do. Coast, North	2·2	1·4	1·19	0·80	+0·39	+ 49

TABLE 16.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	2·94	1·48	+1·46	+99
Eastern Bengal and Assam	5·41	6·51	—1·10	—17
Bengal	1·23	1·13	+0·10	+ 9
United Provinces	0·07	0·18	—0·11	—61
Punjab	0·39	0·42	—0·03	— 7
North-West Frontier Province	2·19	1·31	+0·88	+67
Sind	0·09	0·13	—0·04	—31
Rajputana	0·10	0·09	+0·01	+11

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Bombay	0·02	0·48	—0·46	—96
Central India	0·06	0·07	—0·01	—14
Central Provinces	0·07	0·29	—0·22	—76
Hyderabad	0·20	0·59	—0·39	—66
Mysore	0·95	1·64	—0·69	—42
Madras	1·07	1·26	—0·19	—15
Mean of India when the size of the above areas is taken into account.	1·05	1·08	—0·03	— 3

Snowfall.

I.—AFGHANISTAN.

15. Frequent rainfall occurred and assisted in melting the previous snow accumulations, so that by the end of the month the plain of Kabul and the lower hills surrounding it had become quite bare. Snow is reported to have fallen on the Ghazni, Hazara, Lataband and Paghman hills. Weather was unusually cold and damp throughout.

II.—NORTH-WEST FRONTIER PROVINCE.

(*a*) *Wano.*—About 2 inches fell on the Marwatti and Pirghal hills on the 1st, and an inch in the former locality on the 25th, but it quickly melted away.

(*b*) *Kurram.*—Snow fell only on the highest peaks of the Sufed Koh on seven occasions during the month.

(*c*) *Kohat.*—No snowstorm occurred on the hills bordering this district.

III.—KASHMIR.

Light snow fell on the 20th and 21st on the mountains surrounding Srinagar but did not extend down to the valley. At Sonemarg the total quantity of the month was equivalent to 14·93″ of rain and at Dras to 6·22″. The fall on the Zojila is said to have been 7 or 8 feet thick. On the ranges visible from Skardu there were ten falls, but only one of these extended to the level of the observatory where its depth was estimated at 4 inches. In these hills the snowstorm of the 18th was very severe and resulted in two feet of snow. On the hills near Kargil there were in all seven storms and of these six descended to the level of the station: the aggregate fall amounted to 5¾ feet in the former and 2 feet in the latter locality. The unmelted residue at the end of the month was about 3 feet deep at Sonemarg and 1½ feet at Dras: it was believed to be still thicker on the ranges visible from Sonemarg.

IV.—PUNJAB.

(*a*) *Murree.*—No snow fell in the Murree hills.

(*b*) *Kailang.*—A total fall of 11½ inches occurred on the 2nd, 21st and 22nd.

(*c*) *Kilba* (*Simla hills*).—There were altogether eleven snowfalls, two during the first week and nine after the 18th. The lowest level reached by the falls was 8,500 feet, and here the total measured only 2 inches in depth.

TABLE 17.

Name of pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Shatul pass	feet.	8½ feet.
Brua "	"	11 "
Rupin "	"	12 "
Harang "	1 foot.	3 "
Buldar "	4 feet.	11 "
Runang "	0	6 "

V.—UNITED PROVINCES.

Almora.—Several snowstorms occurred during the second half of the month. The total quantity received was estimated at about 11 feet on the Nuwe pass, 6½ feet in Byans, 5 feet on the Untadhura, 4 feet on the Binkaru pass and 1 foot in Malla Danpur. The snowline came down to a distance of about a mile from the perpetual snows.

The statement below gives a comparison of the depth of snow accumulations on the various passes and peaks on the last day of the month under review with the corresponding normals.

TABLE 18.

Name of pass or peak.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Nuwe pass	(?) 44 feet.	17½ feet.
Untadhura	5 "	10 "
Ralamdhura	5 "	8 "
Pindari peak	2 "	2 "
Kaphini "	2 "	2 "
Binkaru pass	17 "	20 "
Lipulekh "	11 "	10½ "
Lampia "	11 "	11½ "

At the close of the month the Pindari Glacier was inaccessible, and snow lay much lower down than usual on the Dungi Busiyal.

SUMMARY.

16. (*a*) Weather was more disturbed than usual during April in Afghanistan, but the resulting precipitation occurred chiefly as rain, and this aided in melting the previous snow accumulations.

(*b*) In the North-West Frontier Province, according to the scanty information available, the aggregate snowfall of the month was at least equal to the average.

(*c*) In Kashmir the fall was almost certainly above the normal, although unevenly distributed.

(*d*) There were no heavy falls in the western Himalayas, and the accumulations in the Simla and Almora hills were not quite as thick as usual.

HEM RAJ.

TABLE A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 34 stations in India, etc., in April, 1910.

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. Mean of 10 hrs.	Pressure. Mean of 16 hrs.	Pressure. Mean daily range.	Pressure. Mean of daily mean pressures.	Pressure. Departure from normal.	Pressure. Mean reduced to sea-level and gravity, 45° Lat.	Temperature of air. Mean maximum.	Temperature of air. Mean minimum.	Temperature of air. Mean daily range.	Temperature of air. Highest maximum.	Temperature of air. Lowest minimum.	Temperature of air. Absolute range.	Temperature of air. Mean 10 hrs.	Temperature of air. Mean 16 hrs.	Temperature of air. Mean of daily means.	Temperature of air. Departure from normal.	Temperature, Wet-bulb. Mean minimum.	Temperature, Wet-bulb. Mean 10 hrs.	Temperature, Wet-bulb. Mean 16 hrs.	Temperature, Wet-bulb. 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 . .	18	29·869	29·733	·136	29·804	−·020	29·759	95·0	76·2	18·8	99·1	72·9	26·2	86·9	92·6	83·2	−1·8	74·0	77·3	77·4	76·2
	III.—Bengal.																					
6	Calcutta . .	21	·801	·668	·133	·734	−·017	·699	96·6	75·7	20·9	104·8	69·2	35·6	88·6	93·1	85·5	+0·5	71·5	78·0	77·5	75·7
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad . .	309	·498	·363	·135	·423	+·005	·678	103·1	71·3	31·8	109·6	61·0	48·6	93·9	101·7	86·7	−0·9	58·1	66·0	67·4	63·8
11	Dehra Dun . .	2,233	27·578	27·489	·089	27·525	−·016	·684	90·5	62·1	28·4	103·3	55·5	47·8	81·3	86·6	76·2	−1·2	52·2	60·0	60·2	57·5
	V.—Punjab.																					
12	Lahore . .	702	29·093	29·000	·093	29·041	+·006	·706	92·2	62·8	29·4	105·4	54·2	51·2	82·1	90·5	77·1	−3·8	56·3	64·8	66·8	62·6
	VIII.—Rajputana.																					
19	Jaipur . .	1,431	28·420	28·308	·112	28·358	+·011	·718	98·0	67·1	30·9	109·4	57·2	52·2	88·7	95·5	82·4	−3·9	54·9	65·3	66·7	62·3
	Udaipur . .	1,925	27·945	27·843	·102	27·889		·715	96·9	68·7	28·2	104·7	57·0	47·7	90·1	95·6	83·7		57·6	67·2	69·2	64·7
	IX.—Bombay.																					
26	Bombay . .	37	29·855	29·743	·112	29·798	−·014	·774	90·2	77·2	13·0	92·6	74·9	17·7	84·2	85·5	82·7	+0·6	73·0	78·1	76·6	75·2
	XI.—Central Provinces.																					
24	Nagpur . .	1,017	28·807	28·657	·150	28·729	−·007	·670	106·3	76·3	30·0	111·1	68·6	42·5	96·2	103·5	91·0	+0·6	57·5	67·2	69·9	64·9
	XII.—Hyderabad.																					
29	Hyderabad . .	1,690	·157	·024	·133	·089	−·035	·661	104·1	76·9	27·2	107·3	68·6	38·7	94·8	101·4	89·8	+1·8	62·8	68·6	69·4	66·9
	XIII.—Mysore.																					
30	Bangalore . .	3,021	26·935	26·805	·130	26·876	−·002	·718	95·3	69·3	26·0	98·3	65·2	33·1	84·8	91·3	81·0	+1·1	62·9	69·2	66·6	66·2
	Mysore . . .	2,518	27·412§	27·267§	·145	27·345	−·016	·728§	95·3	69·8	25·5	99·6	63·8	35·8	83·7	91·9	81·2	+0·3	65·4	72·4	70·1	69·3
	XIV.—Madras.																					
32	Pudukkottai .	318	29·569	29·410	·159	29·489		·732	100·6	78·0	22·6	104·1	73·6	30·5	90·4	97·6	89·3		74·2	77·5	78·6	76·8
	Madras . .	22	·850	·726	·124	·795	−·030	·749	94·8	78·2	16·6	101·7	71·1	30·6	91·1	88·6	85·5	+1·4	76·6	79·6	80·0	78·7
	Bay Islands.																					
1	Port Blair . .	58	·842	·738	·104	·791	−·025	·779	88·1	77·0	11·1	91·6	75·0	16·6	84·6	86·2	81·6	−3·1	74·7	78·3	78·5	77·2
	Kashmir.																					
14	Srinagar . .	5,204	24·870	24·800	·070	24·830	−·054	24·801	64·0	44·2	19·8	76·3	36·8	39·5	53·8	61·3	53·0	−2·7	41·8	50·8	57·1	49·9
	Leh . . .	11,503	19·660	19·584	·076	19·623	−·057	19·591	52·7	29·6	23·1	63·4	21·3	42·1	44·6	48·0	40·0	−2·9	25·0	34·2	35·8	31·7
	Baluchistan.																					
16	Quetta . .	5,502	24·617	24·550	·067	24·575	−·024	24·536	71·5	41·6	29·9	85·5	27·7	57·8	63·0	68·9	57·2	−3·7	38·9	47·9	49·6	45·5

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.

§ Mean of 28 days.

A.

34 stations in India, etc., in April, 1910.

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.	
·811	·807	·735	·803	−·004	90	64	49	73	+ 2	5·1	6·4	5·7	+2·3	8	1	5		3	22	9	7	5	S 26° W	S 24° W	42	57	42	134	2·87	1·56	Rangoon.	2
																															III.—Bengal.	
·722	·819	·737	·792	−·005	81	61	49	68	− 2	1·7	3·1	2·4	−0·2	1	2	2	1	7	18	23	4	2	S 23° W	S 30° W	62	69	175*	168	1·22	0·45	Calcutta	6
																															IV.—United Provinces of Agra and Oudh.	
·316	·271	·216	·287	−·087	41	17	11	25	− 7	1·2	1·6 †	1·4	−0·3	2	9	3	6	1	1	2	16	20	N 46° W	N 54° W	53	35	90	127	0·01	0·01	Allahabad.	10
·272	·257	·196	·247	−·064	49	25	16	32	− 5	3·8	4·0	3·9	+1·1	2	1	4	6	5	10	8	16	7	S 53° W	N 85° W	30	28	69*	55	0·74	0·38	Dehra Dun.‖	11
																															V.—Punjab.	
·374	·387	·346	·386	−·009	65	37	25	44	+ 3	2·2	2·8	2·5	−0·4	4	11	4	4	5	3	3	10	16	N 38° W	N 15° W	35	28	92	77	0·99	0·70	Lahore.	12
																															VIII.—Rajputana.	
·287	·337	·299	·321	−·012	43	25	17	30	0	1·8	2·8	2·3	−0·2		7	3	2	3	3	11	16	15	N 77° W	N 57° W	48	50	133*	120	0·14	0·08	Jaipur.	19
·345	·389	·390	·365		48	27	23	32		1·7	2·2	1·9		4	5	2	5	3	3	9	23	6	S 88° W		42		113		0·01	0·01	Udaipur.	
																															IX.—Bombay.	
·753	·731	·795	·805	−·036	81	67	65	74	− 3	1·5	0·6	1·1	−0·5				3	1	4	4	21	27	S 63° W	N 60° W	73	56	242*	254	0	0	Bombay.	26
																															XI.—Central Provinces.	
·244	·307	·310	·295	−·107	27	18	15	21	− 9	1·4	2·5	1·9	−1·3	3	20	4	7	1	4	3	15	3	N 25° W	N 66° W	33	22	107	144	0	0	Nagpur.	24
																															XII.—Hyderabad.	
·399	·373	·316	·379	−·185	43	23	16	29	−17	0·7	2·7	1·7	−1·1	19		13	2	4		6	9	7	N 28° W	S 9° W	13	5	72	108	0·12	0·12	Hyderabad	29
																															XIII.—Mysore.	
·501	·532	·364	·486	−·069	70	45	26	49	− 6	2·0	4·2	3·1		1	1	5	16	7	4	10	10	6	S 24° E	S 27° W	13	38	166	115	0·20	0·08	Bangalore.	30
·575	·653	·465	·584	−·005	79	57	33	58	− 1	3·1	5·6	4·3	−1·4	1		5	9	11	7	17	8	2	S 3° W	N 85° E	37	12	193	190	2·64	0·92	Mysore.	
																															XIV.—Madras.	
·791	·771	·721	·761		82	54	40	59		3·7	3·5	3·6		2	1	3	6	13	9	21	1	4	S 3° W		45		223		0·30	0·30	Pudukkottai.	32
·893	·854	·911	·910	+·010	93	60	67	77	− 1	3·0	2·0	2·5	−1·0		1			22	21	15	1		S 8° E	S 36° E	76	83	199*	182	0·94	0·04	Madras.	
																															Bay Islands.	
·825	·885	·871	·885	−·074	89	75	70	81	+ 1	5·1	6·0	5·5	+0·9	16	1	2	5	14	5	2	7	8	S 14° E	N 89° E	15	51	190	115	3·51	1·17	Port Blair.	1
																															Kashmir.	
·239	·343	·433	·317	−·013	82	81	77	80‡	+ 2	5·6	6·4	6·0	+1·0	11	2	2		9	3	1	5	27	N 54° W	N 18° W	35	19	86	115	4·25	1·49	Srinagar.	14
·100	·110	·107	·106	−·008	61	39	34	45	0	7·1	8·1	7·6	+1·1		1	1	2	6	14	16	19	1	S 42° W	S 63° W	60	27	105*	74	0·32	0·13	Leh.	
																															Baluchistan.	
·214	·188	·158	·178	−·073	80	33	23	45	− 3	2·9	3·9	3·4	+0·1	3	6	1	1	6	2	7	5	29	N 57° W	N 78° W	48	35	89	84	0·81	0·32	Quetta.	16

* Uncorrected for scale error. ‡ Mean of three previous columns. † Mean of 27 days. ‖ Wind observation less 1.

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. 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.	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-bulb. 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	7,232	23·112	23·065	·047	23·081	—·010	23·043	64·1	51·2	12·9	73·3	43·1	30·2	59·4	61·4	58·2	—1·1	41·2	45·5	46·4	44·4
	Sarain		·149	·096	·053	·113		·074	63·5	42·2	21·3	75·0	37·6	37·4	58·4	60·7	53·5			44·6	46·6	
	Kalabagh		20·105‡	20·071§	·034	20·078		20·039‡	44·9§	32·9‡	12·0	56·6	28·1	28·5	39·7‡	41·0§	39·1‡			35·8‡	36·9§	
	Chakrata	7,022	23·295	23·249	·046	23·260	—·009	23·220	69·3	50·1	19·2	82·4	39·2	43·2	62·4	62·9	60·3	—1·5	41·9	49·8	49·6	47·1
	Muktesar	7,592	22·854	22·792	·062	22·815		22·773	69·7	50·1	19·6	76·7	41·5	35·2	62·2	65·3	60·5		38·9	46·1	48·0	44·3
	Katmandu	4,388	25·604	25·503	·101	25·551	+·002 ††	25·506	84·0	52·6	31·4	89·0	46·9	42·1	73·7	79·5	68·9	+1·8 ††	49·2	59·8	59·2	56·1
	Darjeeling	7,376	22·980	22·898	·082	22·937	—·050	22·890	63·7	48·4	15·3	80·0	41·4	38·6	58·1	58·7	56·6	+0·4	45·7	52·7	53·0	50·5
	Pachmarhi	3,528	26·453	26·365	·088	26·403	+·002	26·350	92·3	69·3	23·0	97·0	58·1	38·9	82·4	90·8	81·4	—0·3	52·5	59·0	61·4	57·6
	Mount Abu	3,945	·057	25·977	·080	·011	—·011	25·960	82·5	66·5	16·0	90·2	58·8	31·4	76·5	80·3	75·1	—2·9	52·2	57·4	60·3	56·6
	Chikalda	3,642	·339	26·234	·105	·281	—·022	26·225	92·8	71·3	21·5	96·7	64·9	31·8	84·0	90·6	82·7	—0·4	54·7	59·8	62·3	58·9
	Ootacamund	*7,327*	23·082	23·010	·072	23·044		22·980	72·9	52·7	20·2	77·1	48·6	28·5	69·8	65·9	63·4		47·0	53·6	54·6	51·7
	Kodaikanal	7,688	22·847	22·781	·066	22·814		·749	69·5	54·6	14·9	75·4	52·2	23·2	65·9	63·6	62·0		45·9	53·7	55·1	51·6
	Dodabetta	8,539	·101	·032	·069	·065		·002	66·9	51·1	15·8	72·5	47·2	25·3	63·3	60·3	59·6		43·3	50·2	51·6	48·4
	Extra India.																					
	Minicoy	7	29·912	29·851	·061	29·886																
	Zanzibar	72	·950	·844	·106	·901	+·003	29·900	83·1	76·8	6·3	89·8	74·2	15·6	80·5	82·3	78·1	—1·3	72·8	76·3	76·2	75·1
	Diego Garcia										Observations not received.											
	Seychelles	15	·946	·857	·089	·904	—·002 ††	·841	85·6	78·4	7·2	87·3	74·5	12·8	83·1	84·1	80·7	+1·3 ††	72·6	77·7	77·8	76·0
	Mauritius	181									Observations not received.											

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 12 days. § Mean of 13 days.

A—*concluded.*

24 stations in India, etc., in April, 1910—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.	
·157	·164	·155	·152	—·059	43	35	31	36	− 7	3·6	3·8	3·7	—0·5																1·11	0·44	Simla.	
	·155	·174				34	35			4·2	5·9	5·1		11	6	18	1	2	4	9	7	2	N 3° E		13		78		3·03	1·24	Sarain.	
	·179‡	·187§				74‡	74§			7·3‡	7·8§	7·5		4	8	4		1	4	1	1	2	N 3° E		27		231‖		3·50‖	1·88	Kalabagh.¶	
·182	·228	·218	·202	−·003	52	42	41	45	+ 3	2·5	4·0	3·3	—0·3	15	7			14	21	2		1	S 18° E	S 54° W	43	23	98	180	2·06	0·57	Chakrata.	
·121	·146	·156	·134		35	27	27	30		3·4	5·0	4·2		13	1	1	2	2	4	1	36		S 83° W		59		184		0·31	0·24	Muktesar.	
·312	·356	·270	·306	—·054	78	43	28	50	− 8	1·8	3·5	2·7	—1·3	1		2	28	1			28		N 71° E	N 87° W	3	42	31*	36	1·80	0·88	Katmandu.	
·280	·343	·346	·316	−·003	83	73	70	75	− 1	6·6	6·9	6·7	+0·5	26	1		1			5	23	4	N 89° W	S 75° W	47	32	111	206	1·74	0·63	Darjeeling.	
·203	·231	·205	·205	—·066	28	21	15	20	− 7	1·4	1·0	1·2	—1·3	4	8	4	6		2	3	9	24	N 40° W	N 63° W	52	44	171	144	0	0	Pachmarhi.	
·232	·262	·289	·253	+·008	37	28	29	30	+ 4	1·6	2·0	1·8	0		4	5	1	1	2	20	14	13	S 89° W	S 87° W	53	56	224	211	0·20	0·20	Mount Abu.	
·240	·236	·233	·228	−·050	31	21	16	22	− 4	3·4	3·8	3·6	+0·9																0	0	Chikalda.	
·264	·247	·309	·268		68	35	50	52		3·9	6·7	5·3		1	3	10	26	13	5	1	1		S 83° E		68		167		1·99	0·59	Ootacamund.	
·236	·296	·353	·295		56	47	62	55		3·1	5·7	4·4			3	9	16	26	4	1			S 71° E		70		353*		4·10	1·09	Kodaikanal.**	
·203	·236	·297	·245		54	41	58	51		3·7	6·8	5·3			5	16	28	8				3	N 73° E		75		527		1·96	0·53	Dodabetta.	
																															Extra India.	
										4·5	4·8	4·7			11		3		2	4	16	24	N 55° W		67		131		1·35	0·83	Minicoy.	
·750	·850	·822	·847	—·043	82	82	75	84	− 1	7·9	8·0	7·9	+1·9	1				7	31	18	3		S 12° W	S 5° E	84	81	184	170	14·52	3·47	Zanzibar.	
										Observations not received.																					Diego Garcia.	
·723	·879	·866	·848	—·015	75	77	74	78	− 2	5·6	6·5	6·1	†† +1·0	20	3		8	5	4	2	5	13	N 37° W	N 8° E	12	9	127*	112	10·93	2·82	Seychelles.	
										Observations not received.																					Mauritius.	

* Uncorrected for scale error. ‖ Total rainfall from 18th to 30th April. § Wind observations less 35. ** Wind variable 1. †† Departures from old norm

Table B.—Abstract of observations taken at 8 hrs. at 239 stations in India, etc., in April, 1910.

(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 2,000 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	—·017	93·1	—3·2	73·5	—0·9	83·3	—2·0	19·7	30·6	—0·2	—17	78	+ 6	·783	+·017	3·0	—0·3	2·94	1·48	+1·46
Eastern Bengal and Assam	—·010	89·6	—1·5	71·2	—0·1	80·4	—0·7	18·4	31·8	—1·2	— 5	80	— 1	·743	—·024	4·4	—0·3	5·41	6·51	—1·10
Bengal	—·009	99·6	+0·1	73·8	—0·4	86·7	—0·1	25·8	39·9	—0·4	— 4	60	— 1	·630	—·036	2·0	—0·4	1·23	1·13	+0·10
United Provinces of Agra and Oudh.	+·006	99·3	—1·3	68·4	—2·1	83·9	—1·7	30·9	47·9	+0·2	+10	40	— 3	·405	—·057	1·3	—0·2	0·07	0·18	—0·11
Punjab	+·009	92·5	—4·9	63·5	—3·6	78·0	—4·3	29·0	52·1	+0·4	+ 7	44	— 1	·350	—·063	2·5	+0·2	0·39	0·42	—0·03
North-West Frontier Province	—·010	84·5	—6·2	59·8	—3·7	72·1	—4·9	24·7	50·8	—0·9	+ 7	58	0	·413	—·067	3·3	+0·6	2·19	1·31	+0·88
Sind	+·002	94·8	—2·5	70·1	—1·7	82·5	—2·1	24·7	48·8	—0·5	— 1	56	0	·564	—·011	1·4	—0·5	0·09	0·13	—0·04
Rajputana	+·008	98·0	—2·4	69·3	—4·2	83·6	—3·3	28·7	50·2	+1·1	— 6	35	+ 2	·357	—·041	1·6	+0·1	0·10	0·09	+0·01
Bombay	—·007	97·0	—0·1	72·6	—1·2	84·8	—0·6	24·4	36·1	—0·3	+11	52	— 6	·559	—·070	1·5	—0·7	0·02	0·48	—0·46
Central India	+·001	99·8	—1·9	69·5	—1·5	84·7	—1·6	30·2	49·7	—0·6	0	27	— 7	·299	—·108	1·9	+0·7	0·06	0·07	—0·01
Central Provinces	—·007	103·3	+0·1	73·3	—0·9	88·3	—0·4	30·0	44·1	+0·7	0	24	—13	·286	—·176	1·7	—0·2	0·07	0·29	—0·22
Hyderabad	—·025	104·6	+2·6	76·8	+1·0	90·7	+1·8	27·8	38·8	—1·1	+ 3	34	—16	·429	—·167	1·1	—1·5	0·20	0·59	—0·39
Mysore	—·010	95·5	+2·0	69·5	+0·3	82·6	+1·1	26·0	34·5	+1·4	+20	68	— 3	·631	—·015	3·1	—0·7	0·95	1·64	—0·69
Madras	—·019	97·0	+1·2	77·6	+0·1	87·3	+0·7	19·3	29·8	+0·8	+ 9	71	— 2	·828	—·016	3·8	—0·1	1·07	1·26	—0·19

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. 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
	I.—Burma.																						
2	Mergui	56	29·814	—·019	29·831	29·905	17th	29·793	11th	·112	80·0	90·3	−1·6	74·0	+0·3	82·2	−0·7	16·3	92·9	15th & 17th.	70·4	9th	22·5
	Tavoy	19	29·890	—·031	29·841	29·949	17th	29·833	23rd	·116	79·7	90·5	−3·5	74·6†	+0·4†	82·5†	—1·5	15·9	93·5	10th	71·8	19th	21·7
	Moulmein	94	29·813	—·004	29·845	29·878	17th	29·761	23rd	·117	80·3	92·4	—2·2	75·4	—1·0	83·9	—1·6	17·0	96·5	12th	71·8	17th.	24·7
	Rangoon	18	29·872	—·019	29·828	29·949	17th	29·811	23rd	·138	79·9	95·0	—3·6	76·2	0	85·6	—1·8	18·8	99·1	3rd	72·9	19th	28·2
	Bassein	27?	29·856	−·013	29·820	29·925	17th	29·769		·156	80·6	92·8	—3·4	75·4	−0·1	84·1	−1·7	17·4	96·2	12th	71·4	24th	24·8
	Diamond Island	41	29·855	—·020	29·831	29·930	17th	29·737	15th	·193	82·8	86·3	−2·4	76·8	—1·5	81·6	—1·9	9·5	88·4	23rd	75·2	1st, 8th, & 14th.	13·2
	Toungoo	164	29·707	−·016	29·813	29·777	17th	29·598	16th	·179	82·0	95·8	−4·6	74·5	—1·5	85·1	−3·1	21·3	99·5	10th & 15th.	68·8	18th & 26th.	30·7
	Kyaukpyu	18	29·863		29·821	29·924	17th	29·730	16th	·194	80·8	87·6		75·7		81·7		11·9	93·0	30th	70·4	9th & 10th.	22·6
	Akyab	20	29·862	−·016	29·825	29·909	3rd & 17th.	29·716	16th	·193	78·7	89·0	−2·8	74·7	−1·3	81·9	−2·1	14·3	91·9	30th	64·0	16th	30·9
3	Thayetmyo	121	29·709	—·036	29·772	29·775	25th	29·566	16th	·209	81·8	98·0	—5·0	73·3	—2·5	85·7	—3·7	24·7	102·0	7th	66·9	3rd	35·1
—	Minbu	*165*	29·675	—·016	29·785	29·746	25th	29·511	16th	·235	79·3	98·4	−5·0	74·8	—2·3	86·6	−3·7	23·6	106·3	9th	67·0	16th.	39·3
—	Yamethin	657	29·186	—·015	29·797	29·246	17th	29·032	16th	·214	80·2	97·2	—5·1	73·9	−2·2	85·5	—3·7	23·3	103·8	12th	67·0	19th	36·8
	Mandalay	250	29·598	+·002	29·797	29·682	15th	29·353	16th	·329	83·6	102·0	−0·3	77·5	—0·3	89·8	−0·3	24·5	109·0	12th	68·1	19th	40·9
	Monywa	*280*	29·576		29·795	29·700	15th	29·372	16th	·328	80·3	99·9		74·6		87·3		25·3	108·8	7th	67·1	19th & 20th.	41·7
	Lashio	*2,751*	27·073	—·040	27·019	27·162	15th	26·928	16th	·234	71·3	88·4	—2·5	63·5	+0·6	76·0	—0·9	24·9	96·3	12th	58·0	26th	38·3
	Bhamo	*381*	29·473	+·001	29·816	29·601	26th	29·275	16th	·326	72·9	91·2	—2·7	66·5	—1·1	78·9	—1·9	24·7	99·4	7th	62·1	24th	37·3
	Myitkyina	458	29·372		29·797	29·506	15th	29·246	16th	·260	72·6	88·6		67·4		78·1		21·2	96·2	24th	63·0	1st & 2nd.	33·2
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	353	29·507		29·827	29·616	25th	29·324	23rd	·292	71·2	80·6		67·1		73·8		13·5	90·4	24th	62·1	19th	28·3
	Sibsagar†	333	29·538	−·009	29·835	29·657	29th	29·370	23rd	·287	70·5	80·4	—2·1	66·6	+0·1	73·5	—1·0	13·8	91·6	24th	63·0	4 days	26·6
	Tezpur	252	29·597		29·812	29·740	25th	29·440	23rd	·300	72·3	84·6		69·1		76·8		15·5	91·6	9th, 24th & 25th.	63·9	19th	27·7
	Gauhati	195	29·663		29·818	29·776	25th & 29th.	29·507	23rd	·269	73·6	85·1		68·4		76·8		16·7	94·8	24th & 25th.	63·6	1st & 4th,	31·2
	Dhubri	115									73·9	84·3†	−4·4†	71·3	+0·6	77·8†	—1·9	13·0	93·0	15th	63·7	30th	29·3
	Silchar	104	29·782	+·005	29·841	29·834	26th & 30th.	29·640	16th	·194	74·2	85·8	−2·7	68·9	—0·3	77·3	−1·5	16·9	91·3	15th	62·3	17th & 23rd.	29·0
5	Cox's Bazar	36	29·819		29·799	29·884	30th	29·629	16th	·255													
	Chittagong	87	29·775	—·016	29·811	29·842	30th	29·584	16th	·258	75·3	88·1	—0·8	72·7	—1·0	80·4	−0·9	15·4	94·0	28th	64·0	18th	30·0
	Noakhali	43	29·812		29·803	29·877	30th	29·688	16th	·189	80·1	87·7		74·6		81·3		13·1	91·3	30th	64·4	18th	26·9
	Barisal	12	29·822	—·011	29·780	29·903	30th	29·727	16th	·176	81·1	91·7	—0·5	74·1	—1·3	82·9	—0·9	17·6	96·3	23rd	67·6	15th	28·7
	Comilla	36	29·865		29·790	29·884	30th	29·632	16th	·252	79·2	91·9		74·6‡		83·6‡		17·3	96·3	7th, 8th & 9th.	68·3	26th	28·0
	Narayanganj	26	29·799	—·012	29·773	29·880	29th	29·696	16th	·184	79·7	91·9	—1·3	73·9	—0·4	82·9	—0·9	18·0	97·0	9th	67·3	18th	29·7
	Faridpur	46	29·783†		29·779†	29·868	29th	29·698	10th	·170	79·6	94·9†		73·0†		84·0†		21·9	104·8	10th & 11th,	66·9	29th	37·9
	Sirajganj	49	29·766†		29·765†	29·858	30th	29·679	17th	·179	77·4	94·5		72·8		83·6		21·7	102·4	10th & 11th.	67·3	18th	35·1
	Mymensingh	63	29·780	+·004	29·795	29·862	30th	29·684	16th	·178	78·5	90·2	—0·6	72·9	+0·7	81·5	+0·1	17·3	96·6	12th	67·6	18th & 30th.	29·0
	Bogra	75	29·745	—·005	29·773	29·843	30th	29·662	1st	·186	79·7	95·0	—1·2	71·7	—0·2	83·3	—0·7	23·3	101·7	23rd	65·7	8th	36·0
	Rampur Boalia	70	29·732		29·752	29·826	30th	29·632	1st	·194	80·9	98·7		73·5		86·1		25·2	106·1	12th	67·1	8th & 16th.	39·0
	Malda	72	29·712§		29·736§	29·826	30th	29·613	17th	·213	79·5†	97·3		71·1†		84·1†		26·2	103·3	6th & 22nd.	62·5	7th	40·8
	Dinajpur	123	29·667	—·026	29·747	29·767	30th	29·556	23rd	·211	76·9	94·2	−0·4	70·8	+0·1	82·5	—0·1	23·4	102·8	24th & 25th.	65·0	7th	37·8
	Rangpur	123	29·695		29·775	29·794	30th	29·581	23rd	·213	77·1	89·9		68·4		79·2		21·5	99·6	24th & 25th.	63·0	6th	36·6

‡ Mean of 25 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

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tations in India, etc., in April, 1910.

Wind direction. Number of winds from Calm. (25)	N. (26)	N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction. (34)	Normal direction. (35)	Wind velocity. Mean velocity, miles per hour. (36)	Normal. (37)	Departure from normal. (38)	Wind steadiness. Actual percentage. (39)	Departure from normal. (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal. (42)	Mean vapour tension at 8 hrs., in inches of mercury. (43)	Departure from normal, in inches of mercury. (44)	Cloud. Mean cloud amount at 8 hrs. (45)	Departure from normal. (46)	Rainfall. Number of rainy days. (47)	Normal number of rainy days. (48)	Departure from normal. (49)	Rainfall of month. (50)	Normal rainfall of month. (51)	Departure from normal. (52)	Total rainfall from 1st Dec., 1909, to 30th April, 1910. (53)	Normal rainfall for period, 1st Dec. to 30th April. (54)	Departure from normal of period 1st Dec., 1909, to 30th April, 1910. (55)	Heaviest rainfall during month. (56)	Station. (57)
																																I.—Burma.
6				2	2				S 23° E	N 8° W	2·1	2·3	−0·2	10	−47	87	+ 6	·877	−·016	1·8	−2·8	11	6·70	+4·30	9·39	6·54	+ 2·85	23·37	12·84	+10·53	1·81	Mergui.
9				1					S 45° E	N 27° W	1·5*†	1·6	−0·1	3	− 1	86	+ 3	·877	+·010	1·8	−2·5	7	5·30	+1·70	6·30	3·78	+ 2·52	11·97	5·94	+ 6·03	2·07	Tavoy.
2		2	10	1	2	1	2		S 78° E	S 34° E	6·9	3·9	+3·0	30	−15	85	+ 6	·835	+·004	3·0	−1·0	4	5·00	−1·00	6·95	3·11	+ 3·84	10·66	4·13	+ 6·53	3·60	Moulmein.
9		3	1		3	5	6	3	S 74° W	S 61° W	5·0	5·6	−0·6	30	−40	83	+ 3	·850	+·002	5·6	+2·5	5	2·20	+2·80	2·87	1·83	+ 1·04	6·61	2·55	+ 4·06	1·56	Rangoon.
4				3	1		7	5	N 87° W	N 55° W	5·7†	6·1	−0·4	28	−39	84	+ 5	·830	+·010	3·8	+0·3	4	2·10	+1·90	2·08	1·55	+ 0·53	4·37	2·12	+ 2·25	1·23	Bassein.
3	2	1	3	2			4	15	N 39° W	N 47° W	13·8	8·5	+5·3	49	−11	76	+ 2	·858	+·009	3·0	−1·2	3	2·09	+0·91	2·53	1·46	+ 1·07	7·27	2·49	+ 4·73	1·26	Diamond Island.
5		3	1	16	3	1		1	S 47° E	S 28° E	2·4	4·6	−2·2	59	−15	89	+16	·983	+·135	2·7	−0·1	5	3·10	+1·90	4·23	2·28	+ 1·95	10·82	2·79	+ 8·03	2·12	Toungoo.
	1	9	4	8			3	5	N 61° E		4·8*			33		80		·844		2·6		2			3·31			8·37			2·67	Kyaukpyu.
2	5	11	4	2	1	1	1	3	N 38° E	N 48° E	4·3	3·8	+0·5	49	+ 2	86	+ 6	·843	−·042	4·7	+0·2	3	1·80	+1·20	12·46	1·28	+11·18	15·88	2·68	+13·20	11·50	Akyab.
	2	3		4	11	6		4	S 10° W	S 10° W	11·0†*	6·5	+4·5	37	−26	75	+13	·819	+·084	2·2	+1·1	2	1·60	+0·40	3·53	0·90	+ 2·63	7·98	1·14	+ 6·84	2·70	Thayetmyo.
1	1	1		14	7	2	1	3	S 23° E	S 45° E	3·7	9·7	−6·0	49	+ 1	69	+ 9	·692	+·015	3·0	+1·8	2	1·20	+0·80	7·43	0·85	+ 6·58	14·00	1·55	+12·45	6·02	Minbu.
4	1			10	13	2			S 15° E	S 28° E	3·3	6·3	−3·5	69	− 2	77	+12	·787	+·045	1·6	+0·6	3	3·60	−0·60	3·96	1·52	+ 2·44	8·36	2·68	+ 5·68	1·96	Yamethin.
9		1		9	6	3	1	1	S 14° E	S 3° W	5·4	6·3	−0·9	43	− 4	56	− 3	·638	−·072	2·3	−0·1	4	2·40	+1·60	1·49	1·12	+ 0·37	1·56	1·67	− 0·11	0·45	Mandalay.
1	10	3	1	9	1	1	1	3	N 42° E		4·2			27		65		·674		1·7		1	2·00	−1·00	2·52	0·71	+ 1·81	3·21	1·10	+ 2·11	2·41	Monywa
0	2	9	2	1	2	3	1		N 59° E		4·2*			27		70	0	·538	+·027	3·0	−2·5	5			1·39	2·20	− 0·81	2·02	4·12	− 2·10	0·61	Lashio.
7		2		1					N 72° E	N 14° W	2·5	4·2	−1·7	7	−23	82	+ 3	·665	+·031	3·1	−0·7	5	4·80	+0·20	2·26	1·66	+ 0·60	6·24	3·85	+ 2·39	1·39	Bhamo.
1	3	4	12						N 69° E		2·3			53		78		·621		4·9		1			1·28			5·49			0·95	Myitkyina.
																																II.—Eastern Bengal and Assam.
0	1	6	5	5	1	1		1	N 86° E		1·7			37		95		·723		7·2		13	13·50	−0·50	7·37	9·76	− 2·39	17·82	19·99	− 2·17	2·13	Dibrugarh.
1	2	12		1		1		2	N 34° E	N 48° E	1·9	3·3	−1·4	42	−11	89	− 1	·664	−·025	7·3	+0·4	13	14·50	−1·50	6·32	9·50	− 3·18	16·68	18·47	− 1·79	2·05	Sibsagar.
4		11	4	1					N 61° E		5·6			43		87		·691		6·2		9	11·00	−2·00	3·59	5·92	− 2·33	7·24	10·55	− 3·31	1·17	Tezpur.
8				2					S 45° E		3·1			3		84		·699		5·5		12	10·20	+1·80	6·58	5·87	+ 0·71	10·83	10·30	+ 0·53	1·46	Gauhati.
3	1	10	13	1	1	1			N 74° E	N 72° E	8·6	8·7	−0·1	69	+ 6	83	+ 4	·703	+·016	3·8	−1·2	11	7·40	+3·60	5·17	4·73	+ 0·44	13·06	7·59	+ 5·47	1·25	Dhubri.
5	1	1	6	7					S 75° E	N 82° E	2·9‖	3·4	−0·5	40	+15	85	+ 2	·717	−·013	5·2	−0·9	13	13·70	−0·70	19·65	13·61	+ 6·04	27·86	25·71	+ 2·15	3·49	Silchar.
	1	3	11	11	4				S 67° E		5·5			77						5·0		3			2·14			3·39			1·19	Cox's Bazar.
5		4	2	10	6	4		1	S 41° E	S 47° E	5·7	6·9	−1·2	43	− 8	80	0	·804	−·036	4·7	+0·3	3	4·42	−1·42	1·21	3·85	− 2·64	7·46	8·72	− 1·26	0·53	Chittagong.
		3	3	5	11	7	1		S 10° E		6·8			57		79		·814		3·9		6	4·61	+1·39	3·21	4·66	− 1·42	7·46	9·23	− 1·77	1·18	Noakhali
4	3	2	1	5	12	6			S 7° E	S 8° W	4·7	5·7	−1·0	49	− 6	79	− 3	·831	−·072	4·3	−0·6	3	4·29	−1·29	3·31	3·12	+ 0·19	7·62	7·39	+ 0·23	2·26	Barisal.
3		1		9	13	1			S 25° E		5·4			47		83		·825		2·5		7	6·45	+0·54	4·18	6·27	− 2·09	12·88	10·74	+ 2·14	1·09	Comilla.
	2	2	3	3	9	10	1		S 5° W	S 10° E	6·3	7·3	−1·0	49	− 8	81	− 1	·818	−·032	5·8	−0·1	7	6·50	+0·41	5·93	4·51	+ 1·42	8·63	9·08	− 0·45	2·37	Narayanganj.
1	2		3	5	17	2			S 14° E		6·2			70		79		·797		3·7		5	6·00	−1·00	6·21	4·16	+ 2·05	8·19	8·35	− 0·16	2·49	Faridpur.
1		1	5	4	11	5	2	1	S 37° E		5·7			53		81		·755		5·4		6	4·60	+1·40	3·33	2·95	+ 0·41	7·27	5·70	+ 1·57	1·17	Sirajganj.
1		7	13	2					S 58° E	S 68° E	2·9	4·3	−1·4	62	− 8	80	− 2	·780	+·008	6·3	+1·0	8	6·23	+1·77	10·36	5·37	+ 5·59	16·49	8·93	+ 7·51	3·38	Mymensingh.
2	1	8		3					S 83° E	S 63° E	2·1	4·6	−2·5	29	−30	67	−10	·680	−·071	1·5	−2·3	2	3·61	−1·81	0·83	2·07	− 1·21	5·68	4·81	+ 0·84	0·62	Bogra.
				3	6	1			S 36° W		4·8			30		80		·854		3·0		4	2·95	+1·05	0·82	1·81	− 0·99	1·74	4·21	− 2·47	0·27	Rampur Boalia.
	4	4	1	1	7	5	4	3	S 68° W		6·3			17		71†		·714†		1·2		2	1·81	+0·19	0·30	1·35	− 0·96	2·50	3·84	− 1·34	0·23	Malda.
		9	11	2	1	1	2		N 78° E	N 86° E	4·0	5·6	−1·6	53	+ 5	72	0	·665	−·014	3·2	−0·9	0	3·21	−3·21	0	2·33	− 2·33	2·05	3·92	− 1·87	0	Dinajpur.
		9	9	4	2	2	1		N 89° E		3·6			54		75		·700		2·4		2	4·39	−2·39	0·62	3·16	− 2·61	3·09	5·33	− 2·24	0·37	Rangpur.

itions the elevations of which exceed 3,000 feet. * Uncorrected for scale error. ‖ Mean of 26 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. 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
	II.—Eastern Bengal and Assam—*concld.*																						
5	Jalpaiguri	283	29·529	−·020	29·771	29·623	26th	29·399	23rd	·224	75·5	89·0	−0·5	69·4	+1·2	79·2	+0·3	19·6	96·4	24th	64·9	2nd	31·5
	Cooch Behar	156	29·669		29·783	29·767	26th	29·539	23rd	·228	74·6	86·5		70·1		78·3		16·4	93·3	24th	66·1	1st & 18th	27·2
	III.—Bengal.																						
6	Saugor Island	25	29·789	−·014	29·753	29·893	30th	29·694	18th	·199	82·6	90·9	+0·1	78·6	−1·3	84·8	−0·6	12·3	91·0	15th & 24th	71·0	16th	23·9
	Midnapore	149	29·652		29·749	29·774	30th	29·531	18th	·243	82·2	102·8		75·6		89·2		27·2	111·3	10th	68·2	13th	43·1
	Calcutta	21	29·793	−·009	29·760	29·897	30th	29·670	18th	·227	80·9	96·7	+1·1	75·6	−0·1	86·2	+0·5	21·1	104·7	11th	69·0	16th	35·7
	Jessore	33	29·779	−·016	29·759	29·870	30th	29·673	18th	·197	81·2	97·4	+0·2	74·3	−0·8	85·9	−0·3	23·1	106·5	11th	65·2	28th	41·3
	Krishnagar	47	29·743		29·739	29·825	30th	29·624	18th	·201	78·8	98·7		74·7		86·7		24·0	107·4	10th	67·0	27th	40·4
	Burdwan	99	29·697	−·012	29·745	29·809	30th	29·572	18th	·237	79·8	100·5	−0·1	74·9	−0·8	87·7	−0·5	25·6	109·9	10th	67·8	30th	42·1
	Bankura	313	29·475		29·738	29·596	30th	29·358	18th	·238	83·3	103·1		76·2		89·7		26·9	111·1	10th	68·2	7th	42·9
	Raniganj	334	29·466		29·755	29·594	30th	29·348	18th	·246	80·8	102·9		75·5		89·2		27·4	109·5	10th	67·0	13th	42·5
	Berhampore	67	29·730	−·010	29·747	29·842	30th	29·637	18th	·205	80·3	100·0	0	74·9	+0·3	87·5	+0·1	25·1	107·1	10th	69·2	16th & 30th.	37·9
	Naya Dumka	489	29·297		29·744	29·421	30th	29·203	1st	·218	83·3	101·5		74·1		87·8		27·4	107·9	10th	66·0	30th	41·9
7	Balasore	50	29·761	−·068	29·755	29·890	30th	29·658	19th	·232	82·5	96·9	−0·6	75·6	−0·4	86·3	−0·5	21·3	105·9	19th	70·6	4 days	35·3
	False Point	21	29·816	−·006	29·779	29·923	30th	29·725	19th	·198	82·3	88·2	−1·7	76·9	−0·7	82·5	−1·2	11·3	90·2	16th & 23rd.	68·6	16th	21·6
	Cuttack	30	29·741	−·012	29·761	29·876	30th	29·634	19th	·242	83·2	101·5	−0·5	77·9	−0·1	89·7	−0·3	23·6	108·4	10th	73·2	15th & 16th.	35·2
	Puri	24	29·788		29·751	29·908	30th	29·675	19th	·233	81·8	88·0		78·2		83·1		9·8	91·6	23rd	71·1	27th	20·5
	Angul	455	29·362		29·777	29·522	29th	29·240	19th	·282	81·2	103·1		74·2		88·7		28·9	110·1	20th	66·0	21st	44·1
	Sambalpur	486	29·319	−·021	29·751	29·466	30th	29·216	19th	·250	85·9	105·7	+1·4	74·8	−0·8	90·2	+0·3	30·9	111·1	20th	68·6	17th	42·5
8	Chaibassa	*733*	29·052	−·017	29·737	29·177	30th	28·916	18th	·231	81·1	104·5	+0·9	74·9	−1·1	89·7	−0·1	29·6	103·1	10th & 19th.	61·8	16th	47·3
	Ranchi	2,128	27·704	+·005	29·766	27·801	30th	27·604	18th	·197	81·0	98·3	+1·2	72·6	+0·5	85·5	+0·9	25·7	103·2	20th	62·9	16th	39·3
	Purulia	*816*	28·961		29·729	29·077	30th	28·839	18th	·238	79·2	104·0		74·7		89·3		29·3	110·5	10th	65·1	30th	45·4
	Hazaribagh	2,007	27·799	−·009	29·735	27·900	30th	27·677	18th	·223	83·2	98·5	+0·4	73·1	+0·6	85·8	+0·5	25·4	102·2	13th & 20th.	66·3	30th	35·9
	Daltonganj	*730*	29·080		29·770	29·200	30th	28·930	18th	·270	80·4	103·7		70·3		87·0		33·4	108·1	12th	60·0	14th	48·1
9	Purnea	134	29·678	+·013	29·767	29·798	30th	29·563	17th	·235	78·4	96·2	−0·8	70·0	0	83·1	−0·4	26·2	102·5	25th	63·2	7th	39·3
	Bhagalpur	160	29·629		29·742	29·762	30th	29·517	17th	·245	82·1	100·0		71·9		86·0		28·1	106·2	22nd	64·8	14th	41·4
	Monghyr	155	29·631		29·739	29·764	29th	29·515	17th	·249	80·6	98·7*		71·7		85·0*		27·0	104·2	12th	66·9	1st	37·3
	Darbhanga	165	29·625	−·007	29·747	29·785	29th	29·515	17th	·270	79·3	98·7	+2·6	69·8	−2·1	84·2	+0·3	28·9	104·6	10th	60·3	14th	44·3
	Pusa	188	29·599		29·743	29·756	29th	29·484	17th	·272	79·8	100·4		68·1		84·3		32·3	107·2	10th	57·8	14th	49·4
	Muzaffarpur	177	29·614		29·749	29·776	29th	29·496	17th	·280	79·0	98·4		68·3		83·3		30·1	105·2	10th	59·5	7th & 14th	45·7
	Motihari	221	29·558		29·742	29·682	29th	29·442	17th	·240	76·4	96·6		67·7		82·1		28·9	103·1	10th	57·2	14th	45·4
	Chapra	181	29·598		29·736	29·711	30th	29·482	17th	·229	78·7§	100·8‡		71·5		86·2‡		29·3	105·9	12th	62·9	15th	43·1
	Patna	183	29·597	−·010	29·736	29·726	30th	29·480	17th	·246	81·1	98·1	−2·5	73·5	0	85·9	−1·3	24·6	102·5	13th	66·7	7th	35·8
	Arrah	190	29·594		29·738	29·714	30th	29·473	17th	·241	82·8	101·1		72·0		86·6		29·1	106·6	10th	63·5	14th	43·1
	Buxar	239	29·539		29·735	29·653	30th	29·416	17th	·237	82·6	101·8		73·4		87·6		28·4	107·0	12th	64·1	13th	42·9
	Dehri	351	29·407†		29·712†	29·477	30th	29·274	17th	·203	84·0	103·7		77·1§		90·2§		26·6	109·3	18th	67·5	14th	41·8
	Gaya	372	29·405	−·012	29·730	29·516	30th	29·275	17th	·241	85·3	103·4	0	75·9	+1·0	89·6	+0·5	27·5	107·9	12th & 18th.	67·2	14th	40·7
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·508	−·007	29·724	29·637	30th	29·400	17th	·237	81·1	100·3	−0·1	69·6	−2·8	84·9	−1·5	30·7	107·1	11th	59·5	14th	47·6
	Benares	267	29·525	+·007	29·747	29·637	30th	29·379	18th	·258	83·9	102·9	−0·2	71·1	−0·8	87·0	−0·5	31·8	107·6	18th	59·6	14th	48·1
	Allahabad	309	29·484	+·004	29·747	29·582	30th	29·333	18th	·249	83·2	103·2	−0·6	71·3	−1·1	87·2	−0·9	31·9	109·6	19th	61·0	14th	48·6

N.B.—Elevations in italics indicate barometrical determinations.
* Mean of 23 days. ‡ Mean of 24 days. § " " 29 "

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plat
† Mean of 28 days.

B—*continued.*

stations in India, etc., in April, 1910—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., 1909, to 30th April, 1910.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec., 1909, to 30th April, 1910.	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	1	3	10	8					S 82° E	N 88° E	2·6			59	− 8	73	0	·677	0	4·2	+1·4	5	5·53	−0·53	2·37	3·85	−1·48	5·69	6·07	−0·38	0·76	Jalpaiguri.
5		1	20	4					S 85° E		3·3			30		79		·675		4·9		5	7·41	−2·41	2·44	5·88	−3·44	7·52	8·47	−0·95	0·82	Cooch Behar.
																																III.—Bengal.
	1	1	1	2	17	7	1		S 7° W	S 18° W	13·7	17·9	+0·8	72	− 5	82	+ 2	·906	−·022	4·5	−1·3	3	2·00	+1·00	1·57	0·85	+0·72	3·82	3·84	−0·02	0·80	Saugor Island.
	2	1		2	23		1	1	S 1° E		4·8			70		67		·726		1·9		5	3·10	+1·90	2·39	1·78	+0·61	4·04	5·29	−1·25	0·60	Midnapore.
		2	2	2	7	17			S 20° W	S 25° W	7·4‖	7·0	+0·4	69	− 1	79	+ 1	·816	−·007	3·0	−0·4	3	2·92	+0·08	1·22	1·43	−0·21	4·64	4·16	+0·48	0·45	Calcutta.
19			2	4	5				S 32° E	S 1° E	0·9	4·1	−3·2	33	−19	76	− 5	·830	−·057	3·9	−0·8	5	4·68	+0·32	2·63	3·18	−0·55	5·15	6·91	−1·76	0·72	Jessore.
1		2	1	4	15	5	2		S 1° W		4·3			66		83		·814		2·6		6	3·39	+2·61	2·99	2·43	+0·56	4·10	5·17	−1·07	1·63	Krishnagar.
7		1	2		6	12	2		S 30° W	S 27° W	3·9	4·8	−0·9	53	− 7	78	+ 8	·802	+·038	3·5	+0·2	8	3·48	+4·52	5·67	1·75	+3·92	7·71	4·41	+3·30	1·62	Burdwan.
27					2		1		S 27° W		3·6			7		60		·658		1·5		4	3·00	+1·00	1·36	1·53	−0·17	2·81	4·33	−1·52	0·67	Bankura.
19		2	1	1		3	2	2	W		2·6			8		70		·729		1·7		3	2·47	+0·53	0·92	1·59	−0·67	2·76	3·91	−1·15	0·58	Raniganj.
8		1	3	1	12	5			S 3° E	S 2° E	4·8	4·8	0	53	− 4	72	− 4	·746	−·041	3·6	−0·2	3	2·56	+0·44	1·38	1·24	+0·14	2·48	3·70	−1·22	0·55	Berhampore.
26			1	1				2	N 15° E		1·3			6		52		·573		1·0		2	2·38	−0·38	1·87	1·02	+0·85	3·62	3·28	+0·34	1·47	Naya Dumka
3	1	3			6	16	1		S 36° W	S 29° W	5·4	8·6	−3·2	56	+ 1	71	− 7	·777	−·096	2·7	−1·3	5	3·58	+1·42	1·64	1·36	−0·22	3·79	5·33	−1·54	0·85	Balasore.
1	2		1	1	4	18	3		S 42° W	S 38° W	13·2§	13·8	−0·6	69	− 8	82	0	·897	−·031	6·3	+1·1	1	1·84	−0·84	0·28	0·73	−0·45	7·36	3·98	+3·38	0·22	False Point.
4	1		2	1	5	12	5		S 39° W	S 39° W	4·6‖	5·0	−0·4	56	− 4	77	+ 5	·889	+·063?	3·9	+0·4	1	1·97	−0·97	1·04	0·98	+0·06	4·25	3·10	+1·15	1·02	Cuttack.
1	2		1	2	3	21			S 35° W		15·7			70		83		·892		4·1		2	1·17	+0·83	0·63	0·80	−0·17	6·13	3·35	+2·78	0·56	Puri.
5	3	10	4	2			2	4	N 34° E		7·0			50		73		·766		3·0		5			1·84			4·57			0·86	Angul.
		3	3	6	7	8	2	1	S 4° E	S 87° E	4·4	3·9	+0·5	46	+36	44	− 7	·544	−·066	1·9	−0·3	2	1·50	+0·50	0·25	0·60	−0·35	1·47	2·70	−1·23	0·14	Sambalpur.
4	1	1	1	2	3	15	3		S 38° W	S 62° W	4·1	2·6	+1·5	53	− 6	61§	+ 6	·648§	−·007	1·0	−0·8	3	2·06	+0·94	1·33	1·36	−0·03	4·65	3·91	+0·74	0·56	Chaibassa.
3	2			2	1	4	7	11	N 75° W	S 51° W	9·1	7·4	+1·7	53	+ 5	35	− 9	·359	−·123	1·4	−0·1	3	2·16	+0·84	0·95	0·84	+0·11	3·87	3·95	−0·08	0·56	Ranchi.
13	1		1	1		3	10	1	S 85° W		3·7			33		51§		·528§		0·8		5	2·39	+2·61	1·15	0·99	+0·16	2·07	3·64	−1·57	0·35	Purulia.
	5	1		1	5	4	6	8	N 78° W	S 55° W	9·4§	8·9	+0·5	43	−10	33	− 3	·366	−·024	0·8	−1·2	2	1·35	+0·65	0·47	0·39	+0·08	2·83	2·62	+0·01	0·37	Hazaribagh.
20	2		2	2		1	2	1	N		4·2			2		41		·423		0·9		1	0·70	+0·30	0·33	0·27	+0·06	2·80	2·48	+0·32	0·21	Daltonganj.
19		6	1	1			3		N 35° E	N 68° E	2·4	4·7	−2·3	23	−37	67	0	·642	−·009	1·2	−1·4	0	1·93	−1·93	0	1·22	−1·22	0·83	2·79	−1·96	0	Purnea.
9		4	7	1	1	1	7		N 83° E		4·7			10		49		·522		1·1		1	1·45	−0·45	0·35	0·88	−0·53	1·85	2·62	−0·77	0·35	Bhagalpur.
3		2	12	5		1	6	1	S 79° E		8·2			33		66		·680		0·5		1			0·22			·97			0·22	Monghyr.
3		1	19	1	1	1	3	1	S 86° E	S 67° E	4·2	5·7	−1·5	53	0	59	− 4	·591	−·032	1·6	+0·4	1	1·47	−0·47	0·42	0·70	−0·28	0·72	2·36	−1·64	0·39	Darbhanga.
4		8	7	5		3	3		E		4·7			36		53		·528		1·6		1			0·14			0·99			0·13	Pusa.
2		2	10	8	1	1	3	3	S 70° E		6·4‖			40		56		·541		0·8		1	0·90	+0·10	0·29	0·47	−0·18	0·83	2·23	−1·40	0·25	Muzaffarpur
3	2	4	13	3	1	1	2	1	N 82° E		3·5			50		56		·498		1·4		1	1·23	−0·23	0·55	0·68	−0·13	1·31	2·27	−0·96	0·52	Motihari.
																52§		·503§		1·4		1	0·55	+0·45	0·25	0·32	−0·07	0·50	2·02	−1·52	0·25	Chapra.
2	1		12	1	2	6	4		S 35° E	S 21° E	5·3	4·9	+0·4	20	0	47	− 4	·480	−·076	1·0	−0·3	1	0·58	+0·42	0·58	0·27	+0·31	0·92	1·92	−1·00	0·58	Patna.
6	1	1	2	5	1	5	6		S 51° W		3·7			23		39		·431		0·9		1	0·55	+0·45	0·20	0·47	−0·27	0·68	2·56	−1·88	0·20	Arrah.
1		1	7	4	2	7	7		S 14° W		8·4			27		35		·380		1·5		1	0·35	+0·65	0·28	0·15	+0·13	1·36	1·93	−0·57	0·28	Buxar.
11	1		3			10	5		S 56° W		3·6			37		27		·296		0·5		0	0·41	−0·41	0	0·10	−0·10	0·67	2·06	−1·39	0	Dehri.
7	1	6		1	1	1	13		N 71° W	S 34° W	4·5	4·8	−0·3	30	− 3	50	− 1	·614	+·016	1·3	−0·4	1	0·58	+0·42	0·51	0·15	+0·36	1·78	2·09	−0·31	0·51	Gaya.
																																IV.—United Provinces of Agra and Oudh.
12		4	4	2		1	5	2	N 28° E	N 57° E	3·5	3·5	0	7	− 4	74¶	+23?	·781¶	+·247?	0·3	−1·0	0	0·50	−0·50	0·03	0·45	−0·42	0·82	2·17	−1·35	0·03	Gorakhpur.
7		1	2	4	1	8	5	2	S 42° W	S 53° W	3·8	3·5	+0·3	33	+11	29	−19	·355	−·139	1·2	−0·1	0	0·40	−0·40	0·02	0·13	−0·11	0·81	1·72	−0·91	0·02	Benares.
8	1	1	1	1	1	4	8	5	N 87° W	N 86° W	4·2	5·3	−1·1	40	+18	28	− 8	·321	−·103	1·3	−0·3	0	0·20	−0·20	0·01	0·13	−0·12	1·41	1·86	−0·45	0·01	Allahabad

stations, the elevations of which exceed 3,200 feet. ¶ Mean of 27 days. ‖ Uncorrected for scale error.

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
	IV.—United Provinces of Agra and Oudh—*concld.*																						
	Cawnpore	416	29·361	+·003	29·738	29·472	6th	29·209	18th	·263	81·1	101·1	−1·1	67·7	−4·6	84·4	−2·9	33·4	109·2	19th	60·0	12th	49·2
	Lucknow	368	29·419	+·012	29·747	29·530	30th	29·268	17th	·262	82·1	101·9	−0·5	70·1	−0·8	86·0	−0·7	31·8	107·5	19th	61·6	12th	45·9
	Bahraich	401	29·372	+·002	29·737	29·488	30th	29·197	17th	·291	79·3	99·7†	−0·1†	68·5†	−0·1‡	84·2§	−0·1	31·2	105·6	5th	60·0	13th	45·6
11	Jhansi	824	28·999	+·006	29·775	29·119	6th	28·873	18th	·246	85·8	101·5	−2·7	76·6‖	−0·1‖	89·2‖	−1·4	24·9	110·5	19th	68·5	14th	42·0
	Agra	556	29·248	+·013	29·769	29·370	6th	29·096	18th	·274	80·0	99·6	−3·0	71·1	−2·6	85·3	−2·8	28·5	110·0	19th	62·0	12th	48·0
	Mainpuri	516	29·266	+·007	29·745	29·353	7th	29·109	18th	·244	78·4	101·1	−1·4	66·9	−3·6	81·0	−2·5	34·2	110·3	19th	60·1	11th & 12th.	50·2
	Bareilly	568	29·157	+·002	29·736	29·302	6th	29·039	18th	·263	77·5	97·8	−1·5	67·3	−1·6	82·6	−1·5	30·5	104·8	19th	60·5	6th	44·3
	Meerut	733	29·048	+·012	29·754	29·179	6th	28·883	18th	·296	77·2	96·3	−2·2	63·9	−4·2	80·1	−3·2	32·4	105·6	19th	55·3	12th	51·3
	Roorkee	859	28·888	+·021	29·768	29·018	6th	28·707	18th	·311	74·5	95·1	−3·1	63·5	−3·0	79·3	−3·1	31·6	107·0	19th	52·9	7th	54·1
	Dehra Dun	2,233	27·564	−·008	29·766	27·677	30th	27·402	18th	·275	71·7	90·7	+0·1	62·1	−2·2	76·4	−1·1	23·6	103·5	19th	55·5	23rd	48·0
	V.—Punjab.																						
12	Delhi	718	29·071	+·013	29·762	29·214	6th	28·921	18th	·293	77·7	96·7	−3·0	69·9	−3·6	83·3	−3·3	26·8	107·2	19th	60·2	10th	47·0
	Sirsa	662	29·120	+·007	29·754	29·290	6th	28·951	19th	·339	73·5	95·9	−5·2	64·0	−4·5	79·9	−4·9	31·9	108·3	19th	54·0	11th	54·3
	Patiala	*818*	28·971		29·769	29·130	6th	28·780	1st	·350	75·2	94·5		62·9		79·2		30·6	105·4	19th	55·3	5th	50·1
	Ambala	892	28·878	+·005	29·752	28·998	6th	28·697	18th	·301	74·1	96·0	−1·7	64·1	−2·1	80·0	−1·9	31·9	107·5	19th	53·9	6th	53·6
	Ludhiana	812	28·967	+·012	29·765	29·126	6th	28·797	18th	·329	72·9	93·9	−3·5	64·2	−3·0	79·0	−3·3	29·7	106·0	19th	55·0	5th	51·0
	Lahore	702	29·069	+·003	29·757	29·252	6th	28·872	20th	·380	72·3	92·1	−6·1	62·8	−1·5	77·4	−3·8	29·3	105·4	19th	54·2	5th & 11th.	51·2
	Sialkot	830	28·940	+·001	29·762	29·112	6th	28·748	19th	·364	71·1	88·9	−6·3	59·9	−6·4	74·4	−6·3	29·0	103·0	19th	46·5	5th	56·5
	Rawalpindi	1,674	28·128	+·002	29·821	28·306	6th	27·913	19th	·363	65·0	81·3	−7·1	55·7	−4·2	68·5	−5·7	25·6	94·9	19th	45·4	16th	49·5
13	Khushab	612	29·181	+·019	29·777	29·351	6th	28·926	19th	·425	73·9	90·2	−5·1	64·2	−3·8	77·2	−4·5	26·0	103·9	18th	55·4	2nd & 5th.	48·5
	Montgomery	558	29·227	+·016	29·762	29·408	6th	28·996	19th	·412	75·8	93·4	−6·7	62·9	−5·2	78·2	−5·9	30·5	108·4	19th	52·0	5th	56·4
	Multan	420	29·380	+·008	29·773	29·564	6th	29·139	19th	·425	76·1	94·7	−4·3	66·9	−1·7	80·7	−3·0	27·8	111·3	19th	56·5	12th	54·8
	VI.—North-West Frontier Province.																						
15	Peshawar	1,110	28·722	−·011	29·648	28·904	6th	28·533	20th	·371	67·2	80·7	−6·2	57·4	−3·4	69·0	−4·8	23·3	97·2	18th	48·9	4th	48·3
	D. I. Khan	590	29·219	−·009	29·774	29·410	4th	28·976	19th	·434	71·4	88·3	−6·2	62·2	−3·9	75·3	−5·1	26·1	103·9	19th	50·6	5th	53·3
	VII.—Sind.																						
17	Jacobabad	186	29·592	−·012	29·742	29·803	4th	29·301	19th	·502	78·9	99·2	−3·9	68·4	−1·3	83·8	−2·6	30·8	115·1	18th	55·8	10th	59·3
	Hyderabad	96	29·726	+·007	29·777	29·892	4th	29·570	19th	·322	79·5	99·5	−3·2	69·1	−3·2	84·3	−3·2	30·4	114·0	18th	57·5	12th	56·5
	Karachi	13	29·847	+·010	29·810	29·958	4th	29·718	19th	·240	77·6	85·8	−0·5	72·8	−0·5	79·3	−0·5	13·0	93·5	12th	63·0	10th	30·5
	VIII.—Rajputana.																						
18	Bikaner	*771*	29·014	+·001	29·760	29·170	5th	28·861	18th	·309	78·5	97·6	−3·7	70·3	−5·3	83·9	−4·5	27·3	112·0	19th	61·0	5th & 6th.	51·0
	Jodhpur	780	29·041	0	29·810	29·158	5th	28·911	1st	·247	78·7	99·4	−2·9	68·4	−4·6	83·4	−3·7	30·0	109·0	18th	55·3	11th	53·7
19	Jaipur	1,431	28·406	+·011	29·804	28·532	6th	28·284	18th	·248	79·5	98·0	−3·7	66·9	−4·2	82·5	−3·9	31·1	109·2	19th	57·1	11th	52·1
	Sambhar	1,254	28·579	+·022	29·804	28·704	6th	28·444	18th	·260	79·4	97·9	−2·5	65·3	−5·8	81·6	−4·1	32·6	109·4	19th	52·9	13th	56·5
	Ajmer	1,611	28·236	+·005	29·819	28·359	6th	28·112	18th	·247	76·9	95·0	−4·3	70·8	−0·6?	82·9	−2·5?	24·2	104·4	19th	58·7	11th & 13th.	45·7
	Kotah	819?	28·997	+·014	29·812	29·111	6th	28·866	18th	·245	86·0	101·5	−1·1	74·5	−2·4	88·0	−1·7	27·0	111·0	19th	66·1	13th	44·9
	Udaipur	1,925	27·941	+·001	29·810	28·029	6th	27·861	19th	·168	81·3	97·3	−0·7	68·7	−3·0	83·0	−1·9	28·6	104·5	18th & 19th.	57·3	11th & 13th.	47·2

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

† Mean of 26 days.
‡ „ „ 22 „
§ „ „ 20 „

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

3—*continued.*

tations in India, etc., in April, 1910—continued.

Wind direction. Number of winds from N. (26)	N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction. (34)	Normal direction. (35)	Wind velocity. Mean velocity, miles per hour. (36)	Normal. (37)	Departure from normal. (38)	Wind steadiness. Actual percentage. (39)	Departure from normal. (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal. (42)	Mean vapour tension at 8 hrs. in inches of mercury. (43)	Departure from normal in inches of mercury. (44)	Cloud. Mean cloud amount at 8 hrs. (45)	Departure from normal. (46)	Rainfall. Number of rainy days. (47)	Normal number of rainy days. (48)	Departure from normal. (49)	Rainfall of month. (50)	Normal rainfall of month. (51)	Departure from normal. (52)	Total rainfall from 1st Dec., 1909, to 30th April, 1910. (53)	Normal rainfall for period, 1st Dec. to 30th April. (54)	Departure from normal of period, 1st Dec., 1909, to 30th April, 1910. (55)	Heaviest rainfall during month. (56)	Station. (57)
																															IV.—United Provinces of Agra and Oudh—*concld.*
4	2		3	1	4	9	3	N 81° W	S 79° W	4·1	4·1	0	33	+14	2	−11	·315	−·150	0·3	−0·6	0	0·40	−0·40	0	0·03	−0·03	1·32	1·62	−0·30	0	Cawnpore.
1		1			3	2	3	N 79° W	N 81° W	3·3	4·0	−0·7	17	−3	39¶	−1	·428¶	−·017	0·9	−0·8	0	0·40	−0·40	0·03	0·04	−0·01	1·24	2·15	−0·91	0·03	Lucknow.
	1	2	2	1	2	6	10	N 63° W	N 55° E	4·5‖	4·1	+0·4	37	+31	39	−12	·396	−·157	0·7	−0·8	0	0·80	−0·80	0	0·40	−0·40	1·05	3·24	−2·19	0	Bahraich.
6		1		1	2	4	2	N 49° W	S 87° W	5·4	3·6	+1·8	27	−3	27	−1	·327	−·037	1·0	+0·1	0	0·50	−0·50	0·02	0·12	−0·10	1·13	1·65	−0·52	0·02	Jhansi.
1		1	4	4	3	7	5	S 63° W	S 89° W	5·7	5·1	+0·6	33	−4	31	−4	·320	−·075	1·9	+0·7	1	0·40	+0·60	0·15	0·13	+0·02	2·05	1·50	+0·55	0·15	Agra.
2		1	1		9	5	8	N 88° W	S 74° W	2·1	2·4	−0·3	49	+35	36	−1	·352	−·048	0·8	−0·6	0	0·40	−0·40	0	0·48	−0·48	1·05	2·55	−1·50	0	Mainpuri.
1			1			2		N 75° W	N 20° W	1·7	3·7	−2·0	4	−4	57	+12	·548	+·103	1·3	−0·1	0	0·45	−0·45	0·07	0·17	−0·10	2·01	3·05	−1·04	0·07	Bareilly.
6	1		1			6	7	N 41° W	N 81° W	4·5	2·5	+2·0	49	+29	50	+10	·469	+·075	1·9	+0·3	1	0·90	+0·10	0·19	0·19	0	3·62	3·55	+0·07	0·12	Meerut.
			3				4	N 45° W	S 60° E	4·1	3·3	+0·8	3	−4	41	0	·351	−·070	1·9	+0·3	0	1·10	−1·10	0·14	0·39	−0·25	3·11	4·69	−1·58	0·06	Roorkee.
								(*a*)	N 43° W	2·8*	2·3	+0·5			30	−7	·307	−·060	3·1	+0·4	2	1·50	+0·50	0·74	0·59	+0·15	5·42	6·92	−1·50	0·38	Dehra Dun.
																															V.—Punjab.
3	1		1		2	14	6	N 73° W	N 77° W	4·4	3·9	+0·5	62	+25	43	+7	·409	+·036	1·6	−0·4	0	0·90	−0·90	0·08	0·21	−0·13	3·08	3·18	−0·10	0·05	Delhi.
3	1		3	5	9	3		S 87° W	N 28° W	4·9	5·4	−0·5	46	+44	34‖	−5	·324‖	−·068	1·3	−1·6	0	0·60	−0·60	0·04	0·26	−0·22	1·64	2·06	−0·42	0·03	Sirsa.
4	3	2	4	2		2	7	N†		6·2			23		39		·336		2·6		1			0·17			3·06			0·12	Patiala.
7		2	3		2	2	6	N 25° W	N 18° W	5·7	3·1	+2·6	27	+18	37	−16	·308	−·167	3·7	+2·4	0	0·90	−0·90	0·14	0·31	−0·17	4·11	5·53	−1·42	0·07	Ambala.
7	3		3	1	1		6	N 4° W	N 27° E	3·1	2·4	+0·7	30	+23	39	−6	·311	−·117	2·2	−0·5	0	1·00	−1·00	0·04	0·71	−0·67	3·49	5·42	−1·93	0·02	Ludhiana.
4	4	2	1	4		2	6	N 7° W	N 31° E	3·9	3·2	+0·7	20	0	50	+3	·401	−·018	2·6	+0·3	2	1·00	+1·00	0·99	0·42	+0·57	5·05	3·67	+1·38	0·70	Lahore.
7	3	2	2	1	1	2	5	N 4° W	N 20° E	3·1	2·8	+0·3	39	−3	56	+8	·413	−·023	2·0	−0·1	0	1·90	−1·90	0·17	0·80	−0·63	6·98	6·77	+0·21	0·09	Sialkot.
1	4	1	1	3	1	2	3	N 13° W	N 30° W	4·1	3·1	+1·0	5	−21	62	+6	·391	−·028	4·9	+1·8	8	3·20	+4·80	3·88	1·70	+2·18	16·04	9·31	+6·73	1·06	Rawalpindi.
3	7	5	1		3	1	3	N 36° E	N 37° E	5·9	6·7	−0·8	30	−7	46	+4	·361	−·041	2·4	−0·4	6	1·50	+4·50	1·88	0·62	+1·26	3·62	3·80	−0·18	0·72	Khushab.
7	6	3	4	2	3	2	2	N 38° E	S 83° E	7·1	6·3	+0·8	27	+1	36	−2	·305	−·108	2·3	+0·1	1	0·70	+0·30	0·21	0·13	+0·08	3·03	2·41	+0·62	0·13	Montgomery.
2	5		3		1		3	N 31° E	N 51° E	1·3	2·2	−0·9	20	−3	43	−5	·379	−·092	1·8	+0·2	1	0·70	+0·30	0·28	0·10	+0·18	1·88	1·56	+0·32	0·16	Multan.
																															VI.—North-West Frontier Province.
2		3	1			4	3	N 36° W	S 54° W	2·1	4·0	−1·9	13	+3	59	+3	·393	−·076	4·2	+0·8	5	3·40	+1·60	1·97	1·75	+0·22	9·70	6·94	+2·76	0·93	Peshawar.
7	5			1		1	5	N 4° W	N 5° E	2·4	2·4	0	43	+10	57	+3	·432	−·057	2·5	+0·4	5	1·90	+3·10	1·99	0·70	+1·29	3·45	3·03	+0·42	0·88	D. I. Khan.
																															VII.—Sind.
4	6	3	4		2	1		N 62° E	N 88° E	5·4	4·2	+1·2	30	+3	47	+9	·420	+·059	0·7	−1·2	1	0·40	+0·60	0·16	0·15	+0·01	1·37	1·00	+0·37	0·15	Jacobabad.
2				7	9	2	5	S 56° W	S 48° W	7·3	10·8	−3·5	46	−11	49‖	+1	·515‖	+·004	2·0	+0·4	0	0·20	−0·20	0·02	0·04	−0·02	0·14	0·71	−0·57	0·02	Hyderabad.
1		3			4	15	7	N 81° W	N 89° W	14·1	13·2	+0·9	66	+5	73	−10	·697	−·096	1·4	−0·8	0	0·20	−0·20	0	0·25	−0·25	1·09	1·54	−0·45	0	Karachi.
																															VIII.—Rajputana.
1	3	3	5	1	7	5	4	S 20° W	S 51° W	7·5	5·9	+1·6	20	−2	32	−4	·307	−·102	1·7	−0·1	1	0·30	+0·70	0·14	0·11	+0·03	1·15	1·12	+0·03	0·14	Bikaner.
1	5	1	1	2	12	2		S 39° W		5·3			30		28	+1	·274		1·2		1	0·20	+0·80	0·37	0·05	+0·32	1·24	0·55	+0·69	0·30	Jodhpur.
2	7	1	1		2	3	7	N 15° W	N 34° W	5·5*	5·0	+0·5	33	−1	34	−1	·342	−·051	2·1	0	0	0·40	−0·40	0·14	0·07	+0·07	1·69	1·37	+0·32	0·08	Jaipur.
2	2	2		4	3	7	2	S 80° W	N 49° W	7·2	6·9	+0·3	23	−10	40	+5	·403	+·026	2·0	+0·4	1	0·30	+0·70	0·19	0·09	+0·10	2·89	1·29	+1·60	0·12	Sambhar.
	2		1	1	3	5	2	S 81° W	W	8·0	5·8	+2·2	20	−11	41	+4	·384	−·039	1·8	+0·3	0	0·50	−0·50	0	0·11	−0·11	1·80	1·22	+0·58	0	Ajmer.
2		5			2	4	2	N 41° W		3·4			10		32	+10	·412		1·1		0	0·30	−0·30	0·02	0·34	−0·32	0·97	1·16	−0·19	0·02	Ketan.
		2			1	8	5	N 74° W		4·8			33		35	−3	·379		1·4		0	0·30	−0·30	0·01	0·09	−0·08	0·24	0·60	−0·36	0·01	Udaipur.

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

¶ Mean of 28 days.
‖ „ „ 29 „

* Uncorrected for scale error.

(*a*) Indeterminate.

Tabl

(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. 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
	IX.—Bombay.																						
20	Deesa	466	29·392	+·004	29·814	29·464	7th	29·321	18th	·143	81·2	102·9	−1·3	68·2	−3·5	85·6	−2·4	31·7	110·3	18th	56·4	11th	53
	Bhuj	395	29·476	+·020	29·827	29·544	4th	29·402	19th	·142	79·5	99·4	−1·6	70·5	−1·0	84·9	−1·3	28·9	108·5	18th	62·0	12th	46
	Jamnagar	61	29·821		29·827	29·879	26th	29·745	21st	·134	81·0	96·4		68·6		82·4		27·8	100·3	18th	62·4	13th	37
	Dwarka	37?	29·861		29·844	29·920	6th	29·798	18th	·122	80·0	85·1	‖	76·0†	†	80·5† ¶		9·1	94·8	6th	67·2	5th	27
	Rajkot	429	29·449	+·003	29·832	29·512	26th	29·367	19th	·145	80·5	100·4	−1·8	68·3	−1·1	83·8	−1·5	32·1	105·9	1st	60·0	12th	45
	Veraval	*18*	† 29·867	† +·009	† 29·827	29·919	26th	29·811	18th	·108	77·9	86·3	−1·4	69·7	−2·8	78·0	−2·1	16·6	97·9	9th	59·3	12th	38
	Bhavnagar Para	55	† 29·838	† −·001	† 29·837	29·905	7th	29·784	18th	·121	81·2	103·7	+2·9?	71·4	−3·5	87·5	−0·3?	32·3	109·7	1st	61·5	13th	48
	Surat	39	29·832	−·019	29·816	29·889	21st	29·777	8th	·112	81·4	100·3	+0·2	72·7	−0·1	86·5	+0·1	27·6	108·6	9th	61·1	13th	47
	Ahmedabad	163	29·699	+·004	29·812	29·752	7th	29·634	18th	·118	81·7	104·7	−0·7	73·0	−2·2	88·8	−1·5	31·7	111·6	18th	64·7	11th	46
26	Bombay	37	29·819	−·018	29·826	29·921	26th	29·771	8th	·150	80·9	90·0	+1·5	77·0	−0·7	83·5	+0·4	13·0	92·5	14th, 23rd & 24th.	71·0	5th	21
	Ratnagiri	110	29·768	−·013	29·817	29·830	26th	29·705	8th	·125	82·7	89·4	−0·7	76·5	−0·9	82·9	−0·8	12·9	94·3	23rd	72·9	12th & 13th.	21
	Goa	199	?	?	?	?		?		?	82·2	86·6	−2·6	78·7	−0·2	82·6	−1·4	7·9	88·6	23rd	77·1	8th, 16th & 29th.	11
	Mormugao	*60*	29·825	−·015	29·820	29·893	26th	29·777	11th	·116	84·3	89·9	−0·2	78·8	−1·2	84·3	−0·7	11·1	92·5	4th	76·7	8th & 23rd.	15
	Karwar	44	29·845	−·015	29·823	29·922	26th	29·784	18th	·138	81·2	89·7	−0·3	77·2	−0·7	83·5	−0·5	12·5	91·3	10th	74·5	8th & 17th.	16
27	Malegaon	1,430	28·431	−·015	29·800	28·483	21st	28·381	9th	·102	86·3	103·9	+0·7	70·0	−1·8	87·0	−0·5	33·9	107·4	1st, 18th & 19th.	62·1	14th	45
	Ahmednagar	2,154	27·747	+·001	29·818	27·794	26th	27·711	8th	·083	84·4	102·3	+3·3?	71·0	+1·4	86·6	+2·3?	31·3	105·4	1st & 9th.	63·0	17th	42
	Poona	1,846	28·050	−·006	29·837	28·123	26th	28·007	8th	·116	80·9	101·5	−0·1	68·2	−1·5	84·9	−0·6	33·3	106·0	9th	63·3	13th & 16th.	42
	Sholapur	1,590	28·263	−·022	29·785	28·313	26th	28·212	15th	·101	85·2	105·4	+0·6	75·1	−0·4	90·2	+0·1	30·3	107·8	10th	68·9	13th	38
	Bijapur	*1,948*	27·915	−·019	29·782	27·964	26th	27·867	15th	·097	84·4	103·7	+3·9	75·7	+0·9	89·7	+2·4	28·0	106·2	1st	72·2	17th & 27th.	34
	Belgaum	2,539	27·351	−·014	29·811	27·396	26th	27·307	11th	·089	77·1	98·0	+2·0	65·8†	−1·6†	82·0†	+0·2	32·2	100·3	3rd, 10th & 24th.	62·0	17th	38
	X.—Central India.																						
21	Neemuch	1,621	28·219	−·002	29·801	28·285	6th	28·127	18th	·158	79·4	96·7	−4·2	68·7	−2·6	82·7	−3·4	28·0	103·0	8th	56·0	11th	47
	Indore	1,823	28·043	+·011	29·808	28·115	7th	27·970	18th	·145	82·6	99·4	−1·2	68·6	−1·1	84·0	−1·1	30·8	104·6	19th	56·1	13th	48
22	Nowgong	754	29·050	−·001	29·766	29·165	6th	28·925	18th	·240	80·2	101·0	−2·4	69·1	−2·3	85·0	−2·3	31·9	110·0	19th	59·0	16th	51
	Sutna	1,046	† 28·758	† −·003	† 29·757	28·870	6th	28·622	18th	·248	84·1	102·0	+0·3	71·8	+0·2	86·9	+0·3	30·2	109·0	19th	56·7	11th	52
	XI.—Central Provinces.																						
23	Buldana	2,132	27·748		29·794	27·792	4th	27·693	9th	·099	84·8	99·9		77·5		88·7		22·4	104·7	9th	71·1	13th	33
	Akola	930	28·908	−·006	29·784	28·951	7th	28·848	19th	·103	86·5	106·6	+0·6	73·3	−1·5	90·0	−0·5	33·3	112·2	10th	61·1	14th	51
	Amraoti	1,215	28·617	−·005	29·774	28·672	22nd	28·560	19th	·112	86·5	105·5	+0·5	76·2	−0·1	90·8	+0·2	29·3	109·3	10th	68·8	13th	40
24	Khandwa	1,044	28·796	−·004	29·795	28·849	6th	28·727	9th	·122	83·9	104·8	0	73·5	−1·8	89·1	−0·9	31·3	109·2	9th, 10th & 19th.	60·6	14th	48
	Hoshangabad	1,006	28·837	+·001	29·800	28·917	6th	28·760	19th	·157	84·1	103·5	−1·3	72·3	−1·5	87·9	−1·4	31·2	109·1	19th	62·4	13th, 14th & 16th.	46
	Saugor	1,807	28·031	0	29·775	28·128	6th	27·950	19th	·178	84·1	99·8	−1·7	73·1	+0·3	86·4	−0·7	26·7	105·6	19th	64·5	12th	41
	Jubbulpore	1,327	28·490	−·007	29·774	28·577	7th	28·400	18th	·177	81·3	101·3	−0·7	69·4	−1·2	85·4	−0·9	31·9	105·8	20th	58·8	13th	46
	Seoni	2,033	27·818	−·005	29·776	27·897	30th	27·722	19th	·175	83·7	101·1	0	61·6	? −10·2	81·3	−5·1?	39·5	105·5	19th	54·5	13th	51
	Nagpur	1,017	28·801	−·009	29·763	28·876	30th	28·718	19th	·158	86·9	106·5	+1·0	76·4	+0·2	91·5	+0·6	30·1	111·1	20th	68·8	15th	42
25	Pendra	2,123?	27·795		29·741	27·887	30th	27·674	19th	·213	85·2	100·0		73·7		86·9		26·3	105·8	20th	65·2	13th & 14th.	40
	Raipur	970	28·838	−·014	29·750	28·953	30th	28·753	19th	·200	86·3	104·9	+0·6	76·8	−0·1	90·8	+0·3	28·1	110·7	20th	64·6	30th	46
	Chanda	*634*	29·178	−·021	29·750	29·234	6th	29·121	19th	·113	87·9	108·0	+1·5	73·9	−2·5	91·0	−0·5	34·1	111·0	20th	64·0	17th	47
	Jagdalpur	...	28·046			28·119	30th	27·975	19th	·144	83·9	100·4		74·9		87·6		25·5	104·2	12th, 20th & 21st.	68·1	16th & 23rd.	36

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. ‖ Mean of 18 days. ¶ Mean of 17 days.

B—*continued.*

***stations in India, etc., in April, 1910*—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., 1909, to 30th April 1910.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec., 1909, to 30th April 1910.	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.
8	22								N	N 88° W	8·6*	9·1	−0·5	73	+43	36	− 4	·386	−·071	1·1	−0·1	0	0	0	0	0·01	−0·01	0·05	0·34	− 0·29	0	Deesa.
	6		1	2		2	8	11	N 54° W	N 75° W	10·8	11·6	−0·8	59	−18	53	− 2	·530	−·080	1·5	+0·5	0	0	0	0	0·12	−0·12	0	0·41	− 0·41	0	Bhuj.
	1	2			1	5	11	10	N 77° W		15·0			69		65		·673		0·6		0			0			0·59			0	Jamnagar.
1	1	1			1	8	7	11	N 82° W		12·4			66		74		·759		1·4		0			0			0·56			0	Dwarka.
1	5	1				1	12	10	N 58° W	N 66° W	11·6	10·4	+1·2	72	− 1	59†	− 6	·608†	−·062	1·1	0	0	0	0	0·03	0·01	+0·02	0·62	0·18	+ 0·44	0·03	Rajkot.
2	8	1					9	20	N 44° W	N 47° W	10·2	8·4	+1·8	69	+ 6	72	0	·684	−·040	1·0	−1·6	0	0	0	0	0	0	0·45	0·10	+ 0·35	0	Veraval.
	10				1	4	1	14	N 41° W	S 65° W	7·9	10·6	−2·7	70	+ 3	43	−19?	·456	−·245?	0·9	−0·7	0	0	0	0·01	0·01	0	1·04	0·30	+ 0·74	0·01	Bhavnagar Para.
3	11	4	3		5	2		2	N 19° E	S 61° W	5·1	7·4	−2·3	30	−10	61	− 4	·661	−·078	1·0	−0·7	0	0	0	0	0	0	0·42	0·14	+ 0·28	0	Surat.
	1	3	1		2	2	6	15	N 55° W	N 45° W	5·4	4·7	+0·7	59	+18	42	− 5	·417	−·095	0·9	−0·6	0	0·10	−0·10	0	0	0	0·10	0·30	− 0·20	0	Ahmedabad.
1	10	3	2	3	4	1		6	N 8° E	N 33° E	10·0*	10·6	−0·6	30	+20	74	− 1	·785	−·047	2·0	−1·1	0	0·10	−0·10	0	0·07	−0·07	0	0·27	− 0·27	0	Bombay.
4	7	4	4	6	3			2	N 67° E	N 81° W	10·9	8·4	+2·5	37	+17	66	− 5	·736	−·076	2·9	−1·0	0	0·10	−0·10	0	0·08	−0·08	0	0·32	− 0·32	0	Ratnagiri.
2	5	5	8		3	3		4	N 47° E	N 29° E	6·8‡	6·9	−0·1	30	+16	74	0	·808	−·058	4·3	+0·9	0			0	0·32	−0·32	0·10	0·63	− 0·53	0	Goa.
7	5	5	3	1	4		2	3	N 28° E	N 5° W	6·7*	8·5	−1·8	23	+19	75	0	·885	−·002	4·8	+1·0	0			0	1·04	−1·04	0·08	1·09	− 1·01	0	Mormugao.
18	8	1			2			1	N	N 9° W	4·1*	4·8	−0·7	25	−18	77§	− 1	·831§	+·001	2·4	−0·9	0	0·90	−0·90	0	0·55	−0·55	0	0·73	− 0·73	0	Karwar.
10	3	2					5	10	N 43° W	N 69° W	9·6	9·5	+0·1	49	−14	23	−30?	·300	−·351?	0·7	−1·3	0	0·30	−0·30	0	0·10	−0·10	0·32	0·54	− 0·22	0	Malegaon.
	7	1		2				20	N 30° W	N 1° E	11·5	10·6	+0·9	76	+28	18	−37?	·215	−·416?	0·9	−0·7	0	0·60	−0·60	0	0·33	−0·33	0·02	1·56	− 1·54	0	Ahmednagar.
					3	26	1		S 87° W	N 83° W	7·9*	10·6	−2·7	96	+39	31	−10	·324	−·102?	0·4	−1·5	0	1·40	−1·40	0	0·68	−0·68	0	1·01	− 1·01	0	Poona.
2	10	4	1	1	1	2	9		N 14° W	N 45° W	6·8	8·8	−2·0	62	+39	21	−18	·250	−·222	1·1	−1·5	0	1·10	−1·10	0	0·43	−0·43	0·63	1·22	− 0·59	0	Sholapur.
	9	2			4	6	9		N 45° W	N 82° W	7·7	5·6	+2·1	66	+ 8	30	−30	·351	−·307?	0·4	−1·9	0	2·20	−2·20	0	0·80	−0·80	0·03	1·39	− 1·36	0	Bijapur.
2	1	2	1	3	4	7	7	3	S 55° W	S 83° W	*‡ 13·4	13·1	+0·3	37	+ 9	53‡	− 9	·490‡	−·074	0·6	−1·0	1	3·80	−2·80	0·48	1·90	−1·42	0·83	2·52	− 1·69	0·48	Belgaum.
																																X.—Central India.
2	6	4	3	2		4	8	1	N 39° W	N 51° W	7·0	8·7	−1·7	23	+ 1	34	− 1	·347	−·075	1·1	−0·2	0	0·10	−0·10	0·03	0·09	−0·06	0·11	0·79	−0·68	0·03	Neemuch.
3	3	5	5				7	7	N 17° W	N 45° W	5·5	4·4	+1·1	37	−13	24	−15	·272	−·186	1·5	+0·1	0	0·20	−0·20	0	0·13	−0·13	2·11	0·68	+ 1·43	0	Indore.
2	4	3		1	4	7	8	1	S 75° W	S 75° W	4·0	3·1	+0·9	37	0	31	− 7	·326	−·097?	2·0	+0·8	0	0·10	−0·10	0	0·05	−0·05	1·43	2·01	− 0·58	0	Nowgong.
2	2		3	1		1	12	9	N 66° W	N 55° W	4·1	6·7	−2·6	53	+13	21‡	− 5	·252‡	−·064	3·2	+2·2	0	0·20	−0·20	0	0·11	−0·11	1·41	2·54	− 1·13	0	Sutna.
																																XI.—Central Provinces.
	5	2	2	2		1	7	11	N 43° W		8·3	9·0	−0·7	53		16 **		·188 **		1·7		0			0	0·28	−0·28	2·50	1·54	+0·96	0	Buldana.
2	1	2	1	2	1		10	11	N 60° W	N 67° W	6·4	5·9	+0·5	53	0	22	−3	·311	−·067?	2·4	+0·5	0	0·50	−0·50	0	0·20	−0·20	5·47	1·88	+ 3·59	0	Akola.
1	3	6	6	2		4	7	1	N 17° E	S 69° W	7·9	5·4	+2·5	13	−17	17	−8	·221	−·222	2·6	+0·5	0	0·80	−0·80	0	0·23	−0·23	4·31	1·68	+ 2·63	0	Amraoti.
	4	2	2		1	1	14	6	N 63° W	N 68° W	8·9	6·5	+2·4	57	− 6	22‡	− 8	·262‡	−·098?	1·3	−0·1	0	0·30	−0·30	0	0·13	−0·13	0·60	0·99	− 0·39	0	Khandwa.
15		3	5			1	5	1	N 18° E	S 43° W	3·8	3·0	+0·8	7	−10	25	−13	·292	−·154	1·6	−0·1	0	0·30	−0·30	0	0·15	−0·15	1·62	1·39	+ 0·23	0	Hoshangabad.
1	2	5	3	4	1	3	6	5	N 37° W	S 53° W	7·4	4·6	+2·8	13	− 4	21	− 9	·242	−·109	2·5	+1·2	0	0·30	−0·30	0·04	0·09	−0·05	0·77	2·13	− 1·36	0·04	Saugor.
7	2	2	1	2	3	3	7	3	S 82° W	S 18° W	2·7	3·3	−0·6	23	−10	25	−10	·273	−·117	2·1	+0·5	0	0·60	−0·60	0	0·15	−0·15	1·69	2·19	− 0·50	0	Jubbulpore.
3	4	10	5	1			4	3	N 28° E	S 86° W	5·6	3·9	+1·7	46	+37	17	−22	·199	−·245	2·0	−0·1	0	1·30	−1·30	0	0·39	−0·39	4·25	2·91	+ 1·34	0	Seoni.
5	10	4	1		2	1	3	4	N 12° W	N 83° W	4·2	6·0	−1·8	43	+35	23	−13	·303	−·164	1·6	−0·9	0	1·10	−1·10	0	0·48	−0·48	5·04	2·25	+ 2·79	0	Nagpur.
6	12	2		1	2	1	1	5	N 13° W		5·3			43		19		·201		1·7		3			0·66			2·35			0·31	Pendra.
4	2	5	1	3	1	8	5	1	S 62° W	S 56° W	5·2	6·3	−1·1	20	−17	3	−14	·281	−·175	0·9	−1·6	1	1·40	−0·40	1·49	0·53	+0·96	4·19	1·98	+ 2·21	1·45	Raipur.
8	1	1	1	6	1	3	3	6	S 67° W	S 52° E	4·7	3·6	+1·1	10	− 9	25	−20	·333	−·220	0·3	−2·1	0	1·80	−1·80	0·01	0·59	−0·58	1·04	2·91	−1·87	0·01	Chanda.
4		1	2	1	6	13	2	1	S 30° W					53		53		§		1·2		2			1·99			2·99			1·82	Jagdalpur.

* Uncorrected for scale error. † Mean of 28 days. § Mean of 24 days. ** Mean of 25 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. 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
	XII.—Hyderabad.																						
28	Aurangabad	1,905	27·970	—·033	29·793	28·024	18th	27·932	15th	·092	86·5	102·4	—0·2	75·2	+2·2	88·8	+1·0	27·2	106·2	9th	66·7	14th	39·5
	Nizamabad	1,243	28·578	—·031	29·759	28·622	4th	28·529	11th	·093	83·7	107·3	+4·3	75·4	—1·1	91·3	+1·6	31·9	110·4	11th	61·7	17th	48·7
	Bidar	*2,165*	27·640?		29·705?	27·752	2nd	27·604	10th	·148	86·5	102·3		74·0		88·2		28·3	105·0	11th	69·5	16th	35·5
29	Gulbarga	1,503	28·315	—·025	29·772	28·384	6th	28·300	11th	·084	88·3	105·1	+2·9	78·1	+1·5	91·9	+2·2	28·0	108·0	2nd, 11th & 20th.	67·8	17th	40·2
	Raichur	*1,311*	28·532	—·014	29·775	28·586	6th	28·472	13th	·114	86·6	101·9	+2·8	79·9	+0·7	92·4	+1·7	25·0	107·1	12th & 22nd.	73·6	17th	33·5
	Hyderabad (Deccan)	1,690	28·157	—·022	29·773	28·263	7th	28·114	11th & 13th.	·089	85·6	101·3	+2·3	76·9	+1·6	90·6	+1·9	27·4	107·3	20th	68·7	17th	38·6
	Hanumkonda	871	28·963	—·022	29·776	29·033	6th	28·900	19th	·133	84·2	101·9	+3·4	73·1	+1·2	91·5	+2·3	26·8	108·5	20th & 21st.	72·7	23rd	35·8
	XIII.—Mysore.																						
30	Chitaldroog	2,405	27·497	—·015	29·813	27·550	6th	27·452	13th	·098	80·5	98·7	+2·9	72·5	+1·2	85·6	+2·1	26·2	102·1	4th	70·4	6th & 7th	31·7
	Hassan	3,149	26·811	—·001	29·854	26·848	6th	26·759	13th	·089	75·0	92·8	+1·7	66·5	+0·1	79·7	+0·9	26·3	96·6	8th	58·9	14th	37·7
	Bangalore	3,021	26·929	—·013	29·842	26·983	26th	26·872	13th	·111	76·6	95·3	+2·1	69·4	+0·2	82·4	+1·1	25·9	98·3	12th	65·3	8th	33·0
	Mysore	2,518	27·413	—·011	29·851	27·479	26th	27·360	13th	·119	76·9	95·4	+1·4	69·8	—0·5	82·6	+0·5	25·6	99·5	13th	64·0	25th	35·5
	XIV.—Madras.																						
31	Mangalore	65	29·824	—·021	29·821	29·836	23th	29·770	12th	·116	84·7	92·3	0	77·0	—0·2	84·7	—0·1	15·3	94·3	26th	70·8	9th	23·5
	Calicut	27	29·862	—·020	29·818	29·925	26th	29·818	11th	·107	83·3	90·4	—0·9	78·9	+1·0	84·6	+0·1	11·5	92·8	4th & 28th	73·6	12th	19·2
	Cochin	9	29·892	—·009	29·829	29·955	26th	29·838	15th	·118	83·6	90·6	—0·9	78·5	+0·1	84·5	—0·4	12·1	92·7	4th	71·7	27th	21·0
	Trivandrum	198	29·695	0	29·824	29·766	26th	29·648	13th	·118	81·5	87·7	+0·2	77·3	+1·0	82·5	+0·6	10·4	89·5	14th & 25th.	74·0	6th	15·5
32	Tinnevelly	168	29·720	—·001	29·817	29·769	26th & 30th.	29·644	13th	·125	85·4	100·2	+2·2	78·5	—0·1	89·4	+1·1	21·7	104·2	28th	73·9	6th	30·3
	Pamban	37	29·833	—·025	29·797	29·880	26th	29·760	13th	·120	82·7	91·6	+0·9	76·1	—2·9	84·0	—1·0	15·7	93·2	15th	73·5	1st, 4th & 5th.	19·7
	Madura	447	29·447	+·003	29·828	29·491	30th	29·378	13th	·116	84·9	100·0	+0·7	76·6	+0·2	88·3	+0·5	23·4	102·9	2nd & 13th.	71·6	8th	31·3
	Pudukkottai	318	29·564		29·813	29·618	26th	29·483	13th	·135	83·7	100·6		77·9		89·3		22·7	101·1	27th	73·6	8th	30·5
	Negapatam	31	29·844	—·024	29·803	29·833	30th	29·789	12th	·104	85·5	99·1	+2·6	79·6	+0·5	87·4	+1·5	15·5	103·0	14th	75·0	7th	28·0
	Trichinopoly	255	29·630	—·014	29·816	29·675	26th	29·548	13th	·127	85·3	104·1	+1·0	77·5	0	89·8	+0·5	24·6	105·6	13th	72·3	8th	34·3
	Coimbatore	1,341	28·536	—·028	29·825	28·582	26th	28·483	13th	·099	79·3	98·[illegible]	+1·0	72·3	—1·1	85·2	—0·1	25·8	101·9	8th	64·3	12th	37·6
	Salem	940	28·969	—·017	29·846	29·014	30th	28·894	13th	·120	83·1	102·[illegible]	+1·3	76·9	+1·1	89·5	+1·2	25·1	106·0	14th	69·4	7th	36·6
	Cuddalore	37	29·836	—·019	29·803	29·887	30th	29·730	13th	·157	84·8	95·1	+2·3	77·6	+0·8	86·5	+1·5	17·5	105·6	14th	71·7	8th	33·9
	Vellore	707	29·161		29·806	29·221	6th	29·061	13th	·160	83·4	101·7		76·0		88·9		25·7	106·7	14th	66·5	8th	40·2
	Madras	22	29·848	—·029	29·801	29·906	30th	29·751	13th	·155	85·1	94·5	+1·4	78·3	+1·2	86·4	+1·3	16·2	101·5	25th	71·0	7th	30·5
33	Cuddapah	433	29·405	—·030	29·770	29·457	26th	29·317	13th	·140	89·5	108·1	+2·9	81·1	+0·3	94·6	+1·6	27·0	110·7	20th & 23rd.	71·6	9th	39·1
	Bellary	1,475	28·377	—·022	29·785	28·427	26th	28·320	12th	·107	84·9	106·1	+2·7	78·1	+1·0	92·1	+1·9	28·0	110·0	22nd	71·3	9th	38·7
	Kurnool	923	28·905	—·037	29·764	28·947	26th	28·833	13th	·114	85·2	106·2	+1·6	78·5	+0·5	92·4	+1·5	27·7	108·2	13th, 21st & 22nd.	63·6	23rd	44·6
34	Nellore	66	29·777	—·024	29·776	29·847	30th	29·678	13th	·169	84·1	101·7	+0·8	77·7	+0·3	89·7	+0·5	24·0	108·6	20th	71·1	7th	37·5
	Masulipatam	15	29·845	—·022	29·795	29·906	30th	29·783	12th	·123	85·5	94·7	—0·1	77·1	—0·4	85·9	—0·3	17·5	100·8	13th	71·2	7th	29·6
	Cocanada	26	29·839	—·024	29·801	29·901	30th	29·758	13th	·143	84·0	97·4	+1·2	78·8	+0·5	88·1	+1·1	18·6	102·2	10th	75·0	28th	27·2
	Waltair (Vizagapatam).	*226*	29·623	—·024	29·791	29·695	30th	29·551	19th	·144	82·7	89·3		78·1		83·7		11·2	94·1	24th	72·4	16th	21·7
	Calingapatam	19	29·822		29·781	29·914	30th	29·751	19th	·163	84·04	92·71		77·34		85·31‡		14·8	95·9	24th	72·5	9th	23·4
	Gopalpur	72	29·746	—·019	29·760	29·895	30th	29·651	19th	·244	81·7	89·0	+1·3	76·7	—0·8	82·9	+0·3	12·3	92·2	23rd & 24th.	72·0	9th & 27th.	20·2

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 22 days.

—continued.

tations in India, etc., in April, 1910—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., 1909, to 30th April, 1910.	Normal rainfall for period, 1st Dec., 1909, to 30th April, 1910.	Departure from normal of period, 1st Dec., 1909, to 30th April, 1910.	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
																															XII.—Hyderabad.
9	5	3	2		3	2	6	N 2° W		14·9			44		21	−8	·266		1·2		0	0·60	−0·60	0	0·28	−0·28	1·00	1·29	−0·29	0	Aurangabad.
4	2			2	3	9	2	N 77° W		4·5*			37		25	−28	·344		2·3		0	1·40	−1·40	0	1·03	−1·03	0·03	2·31	−2·28	0	Nizamabad.
4	3				8	2	10	N 58° W		4·0			50		32		·401		0		0	2·60	−2·60	0	0·98	−0·98	0·03	2·20	−2·17	0	Bidar.
2	12	2	2	5	2	1	2	N 63° E	N 78° W	8·0	9·0	−1·0	30	+23	26	−24	·350	−·233	0·3	−2·2	0	2·20	−2·20	0	1·05	−1·05	0·02	1·93	−1·91	0	Gulbarga.
1	1	1	4	1	12	4	6	S 62° W	S 58° W	7·7	8·5	−0·8	43	+1	43	−10	·541	−·094	1·6	−1·1	1	1·20	−0·20	0·71	0·66	+0·05	1·15	1·34	−0·19	0·63	Raichur.
							2	N 45° W	S 72° W	2·9	4·5	−1·6	3	−16	38	−18	·462	−·173	1·1	−1·1	1			0·12	0·67	−0·55	0·12	1·63	−1·51	0·12	Hyderabad (Deccan).
1	1		12	8	1	1	1	S 25° E		8·2			56		55	−9	·642		1·5		1	1·30	−0·30	0·39	1·25	−0·86	0·39	2·29	−1·90	0·39	Hanumkonda.
																															XIII.—Mysore.
		1		3	11	11	4	S 69° W	S 70° W	6·3	6·7	−0·4	72	+9	57	−6	·594	−·034	4·3	+1·4	1	2·50	−1·50	0·14	1·97	−1·83	0·64	2·48	−1·84	0·14	Chitaldroog.
1				6	11	8		N 85° W	S 82° W	7·1	3·4	+3·7	70	+41	72	−1	·625	−·010	2·4	−2·0	4	4·80	−0·80	2·94	3·10	−0·16	4·96	3·72	+1·24	1·36	Hassan.
		1	2	3	9	13	2	S 63° W	S 41° W	6·9	4·8	+2·1	66	+12	67	−5	·611	−·038	2·3	−1·0	0	2·40	−2·40	0·20	1·26	−1·06	0·21	2·45	−2·24	0·08	Bangalore.
				3	9	11	4	S 72° W	S 68° W	8·1	7·9	+0·2	69	+17	75	+1	·692	+·022	3·3	−1·1	5	4·30	+0·70	2·64	3·00	−0·36	3·39	3·62	−0·23	0·92	Mysore.
																															XIV.—Madras.
4	4	10				1	1	N 56° E	N 60° E	5·0*	3·2	+1·8	46	+16	69	−7	·840	−·023	5·1	+0·6	0	2·30	−2·30	0·01	1·65	−1·61	0·95	2·25	−1·30	0·03	Mangalore.
3	4	2	1	1	3	2	7	N 27° W	N 13° E	6·3	10·3	−4·0	30	−3	79	+1	·900	+·029	4·7	−0·2	4	5·10	−1·10	4·24	4·38	−0·14	6·76	6·27	+0·49	1·51	Calicut.
2	14	5	4	1				N 66° E	N 27° E	7·0*	6·0	+1·0	66	+6	76	−3	·874	−·017	4·1	−0·4	6	7·00	−1·00	6·94	5·20	+1·74	10·64	10·42	+0·22	3·48	Cochin.
7	2						7	N 15° W	N 4° E	4·6*	5·9	−1·3	46	−6	81	+2	·877	+·016	5·9	+1·6	6	7·10	−1·10	6·96	4·74	+2·22	10·89	10·03	+0·86	4·34	Trivandrum.
4	3	1	1			2	6	N 14° W	N 48° W	4·4	4·6	−0·2	33	−25	67	−4	·814	−·023	2·3	−2·5	4	3·70	+0·30	2·15	3·28	−1·13	8·01	10·56	−2·55	1·07	Tinnevelly.
			11	12	3			S 15° E	S 38° E	10·2	7·3	+2·9	76	+30	74	−4	·826		3·6		1	3·30	−2·30	2·53	2·40	+0·13	14·89	15·49	−0·60	2·43	Pamban.
3	8	8	1	1		3	5	N 37° E	N 41° E	4·9	3·1	+1·8	43	+17	69	−2	·819	−·014	5·2	+1·2	1	3·30	−2·30	1·23	2·25	−1·02	3·80	5·34	−1·54	1·15	Madura.
1	2	2	4	2	8	1	3	S 27° W		9·3			23		75		·861		3·9		1			0·30			3·60			0·30	Pudukkottai
	2		4	2	15	1	6	S 50° W	S 6° E	9·8	6·9	+2·9	53	+23	67	−8	·828	−·080	4·1	−0·4	0	1·20	−1·20	0	0·56	−0·56	4·80	15·82	−11·02	0	Negapatam.
1	3	2	4	2	6	4		S 13° W	S 34° W	4·6*	5·4	−0·8	20	+3	65	−3	·784	−·020	3·3	−0·9	1	2·10	−1·10	0·70	2·03	−1·36	2·15	6·29	−4·14	0·64	Trichinopoly.
2	2	1		1	2			N 45° E	S 1° W	3·7	3·0	+0·7	3	−12	83	+1	·837	+·020	3·6	−0·9	3	3·50	−0·50	0·88	1·69	−0·81	1·61	3·94	−2·33	0·60	Coimbatore.
	1	1	1	6	12	4		S 35° W	S 67° E	5·0	4·6	+0·4	56	+43	76	+5	·868	+·032	3·7	+0·2	3	3·10	−0·10	0·81	1·84	−1·03	1·74	4·37	−2·63	0·31	Salem.
			3	18	1	1		S 1° E	S 39° W	8·3	2·7	+6·1	69	+17	72	−9	·867	−·100?	4·0	−0·4	1	1·00	0	0·23	0·83	−0·60	2·62	10·83	−8·21	0·18	Cuddalore.
2	1		2	2	1		2	(a)†		4·0					67		·738		2·2		2	1·20	+0·80	1·04	0·71	+0·33	1·14	4·40	−3·26	0·89	Vellore.
			8	18	2	1	1	S 6° E	S 10° W	8·4*	7·6	+0·8	79	+6	74	0	·889	−·003	3·7	−0·7	0	1·10	−1·10	0·04	0·40	−0·36	1·13	7·38	−6·25	0·04	Madras.
	2	2	8	2	6	7	3	S 28° W	S 41° E				30	−7	54	−1	·756	+·025	3·1	+0·5	0	0·70	−0·70	0·02	0·54	−0·52	0·02	1·95	−1·93	0·02	Cuddapah.
1		1			2	9	8	N 71° W	N 69° W	4·6	5·4	−0·8	53	+23	39	−14	·465	−·164	1·9	−1·0	1	1·90	−0·90	0·12	0·74	−0·62	0·88	1·10	−0·22	0·10	Bellary.
			6	5	5	3	6	S 38° W	S 10° E	7·5*			37	+30	53	−1	·640	−·026	1·6	−0·6	1	1·70	−0·70	0·23	0·94	−0·71	0·54	1·56	−1·02	0·20	Kurnool.
			7	14	6	2	1	S 5° W	S 29° E	8·8*	8·2	+0·6	72	+5	74	−1	·866	−·039	3·9	−0·2	0	0·30	−0·30	0·03	0·40	−0·37	0·07	2·77	−2·70	0·03	Nellore.
			3	21	4	1		S 4° W	S 1° E	9·0	7·7	+1·3	86	+19	82	+1	1·006	+·027?	3·6	−0·4	1	0·50	+0·50	0·25	0·47	−0·22	0·47	1·66	−1·19	0·25	Masulipatam.
	1	1	3	3	11	6	2	S 46° W	S 66° W	7·3	7·5	−0·2	49	+2	80	+6	·933	+·063	6·3	+2·5	0	0·70	−0·70	0·05	0·35	−0·30	3·94	2·10	+1·84	0·02	Cocanada.
	1			1	25	2		S 46° W	S 75° W	13·8			86	+13	70	−5	·785	−·062	5·0	+1·3	1	0·90	+0·10	0·24	0·59	−0·35	9·77	3·04	+6·73	0·13	Waltair (Vizagapatam.)
1	1		1	2	14	8	1	S 60° W		9·6			67		79‡		·906‡		3·1		2			0·61			13·72			0·28	Calingapatam.
2	1		1	12	10		3	S 27° W	S 35° W	19·5	17·9	+1·6	56	−11	79	−3	·852	−·032	2·3	−1·2	2	1·10	+0·90	0·55	0·69	−0·14	7·00	2·69	+4·31	0·39	Gopalpur.

* Uncorrected for scale error.
(a) Indeterminate

† Mean of 29 days.

Tabl

(2) *Abstract of observations taken at 8 hrs. at 23*

Number of subdivision.	Station.	Elevation of barometer 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
	Bay Islands.																						
1	P. V. Fraser	8	29·848		29·772	29·920	30th	29·770	19th	·150	82·0												
	Car Nicobar	25					Obser	vatory	closed														
	Port Blair	58	29·832	−·025	29·820	29·908	17th	29·664	14th	·244	80·4	87·9	−4·6	77·1	−1·7	82·5	−3·1	10·8	91·2	9th	75·0	11th & 22nd.	18·2
	Slipper Island	90	29·796		29·820	29·862	3rd	29·644	15th	·218	82·6	87·7		78·4‡		83·1‡		9·3	90·1	4 days	69·1	14th	21·0
	Kashmir.																						
14	Muzaffarabad	2,475	27·463		29·975	27·639	6th	27·334	18th	·305	61·9	66·9		59·9		63·4		7·0	75·1	19th	53·6	4th	21·5
	Srinagar	5,204	24·859	−·050	24·830	25·021	6th	24·712	10th	·309	49·1	63·9	−4·3	44·0	−1·4	54·0	−2·9	19·9	76·1	18th	36·6	6th	39·5
	Gulmarg	*8,569*					Obser	vations	not avai	lable.													
	Sonemarg	*8,764*	21·798		21·765	21·939	6th	21·649	1st	·290	31·7	45·6		26·2		36·9		17·4	57·4	29th	14·1	5th	43·3
	Dras	*10,059*	20·735	−·073	20·703	20·837	6th	20·560	3rd	·327	26·7	38·9	−5·5	16·6	−3·7	27·7	−4·6	22·3	43·4	28th	−4·0	5th	47·4
	Leh	11,503	19·656	−·074	19·624	19·781	6th	19·500	2nd	·281	37·4	52·7	−4·4	29·6	−1·3	41·1	−2·9	23·1	63·6	19th	21·5	6th	42·1
	Skardu	*7,505*	22·835	−·051	22·805	22·999	6th	22·672	2nd	·327	46·2	58·5	−2·7	39·4	−2·5	48·9	−2·6	19·1	67·4	18th	31·1	6th	36·3
	Minimarg	*9,359*					Obser	vations	not avai	lable.													
	Astor	*7,955*																					
	Gilgit	4,890	25·068		25·041	25·243	6th	24·815	1st	·428	55·3	67·0	−5·7	49·6	−4·4	58·3	−5·1	17·4	81·2	18th	40·2	4th	41·0
	Baluchistan.																						
16	Quetta	5,502	24·608	−·024	24·568	24·717	4th	24·470	19th	·247	56·9	71·3	−2·9	41·6	−4·7	56·5	−3·8	29·7	85·6	18th	27·5	4th	58·1
	Chaman	4,311	25·651	−·045	25·613	25·773	7th	25·498	19th	·275	63·7	74·3	−6·6	51·0	−8·9	62·7	−7·7	23·3	88·8	18th	36·7	4th	52·1
	Robat		26·846		26·804	27·047	7th	26·640	22nd	·407	68·8	85·3		59·2		72·3		26·1	101·0	17th	37·8	7th	63·2
	Hill Stations, excluding Kashmir and Baluchistan.																						
	Chitral	*5,486*									48·3	63·3		43·1		53·2		20·2	79·1	18th & 19th.	34·0	5th	45·1
	Para Chinar	6,000	24·385		24·352	24·497	15th	24·255	10th	·242	54·8	64·2		44·3		54·3		19·9	80·9	17th & 18th.	32·8	4th	48·1
	Cherat	*4,256*	25·664	−·009	25·632	25·815	6th	25·521	20th	·294	58·1	68·0	−7·5	53·1	−4·8	60·6	−6·1	14·9	83·2	18th & 19th.	43·5	2nd	39·7
	Murree	6,333	23·790	−·043	23·758	23·921	6th	23·653	10th	·268	52·5	61·1	−7·7	47·9	−4·4	54·5	−6·1	13·2	75·6	19th	36·2	3rd & 4th.	39·4
	Kailang	*10,087*	20·936		20·891	21·069	6th	20·775	11th	·294	36·7	49·1	−3·9	30·9	−0·4	40·0	−2·1	18·2	58·5	19th	22·7	12th	35·8
	Simla	7,232	23·093	−·016	23·055	23·196	7th	22·996	11th	·200	56·5	64·1	−1·1	51·3	−0·9	57·7	−1·0	12·8	73·3	20th	43·1	22nd	30·2
	Sarain		23·127		23·089	23·232	6th	23·036	11th	·196	51·4	63·7		42·3		53·0		21·4	75·0	19th	37·6	24th	37·4
	Kalabagh †		20·084		20·046	20·141	19th	20·005	22nd	·136	38·4	45·2		33·2		39·2		12·0	56·6	20th	28·1	23rd	28·5
	Chakrata	7,022	23·275	−·015	23·235	23·371	6th	23·178	17th	·193	56·6	69·8	−0·5	50·1	−2·0	60·0	−1·3	19·7	82·3	19th	39·2	30th	43·1
	Muktesar	7,592	22·827	−·025	22·786	22·910	7th	22·731	17th	·179	57·8	70·1	+0·7	50·2	−0·1	60·1	+0·3	19·9	76·5	19th	41·5	23rd	35·0
	Darjeeling	7,376	22·959	−·035	22·924	23·023	25th	22·882	1st	·141	55·2	63·4	+1·2	48·5	−0·4	56·0	+0·4	14·9	79·8	13th	41·2	13th	38·6
	Shillong	4,920	25·072		25·024	25·183	29th	24·973	19th	·210	63·9	73·9		57·0		65·5		16·9	82·9	12th	50·7	18th	32·2
	Cherra Poonjee	4,309	25·628		25·579	25·696	25th	25·505	16th	·191	63·0	70·4		49·0§		60·1§		21·4	75·7	13th	44·1	24th	31·6
	Maymyo	3,545	26·419	−·014	26·364	26·519	20th	26·222	16th	·297	69·8	82·3	−2·2	60·3	+1·6	71·3	−0·3	22·0	89·9	12th	53·6	19th & 29th.	36·3
	Pachmarhi	3,528	26·449	+·005	26·386	26·536	7th	26·394	11th & 28th.	·142	79·3	92·6‡	+0·1‡	69·3	−0·3	80·9‡	−0·1	23·3	97·0	19th	58·1	15th & 16th.	38·9
	Mount Abu	3,945	26·039	−·014	25·989	26·121	7th	25·978	19th	·143	73·8	82·6	−1·1	65·5	−3·6	74·0	−3·3	17·1	90·2	18th	52·4	15th	37·8
	Mercara	3,781	26·220	−·014	26·153	26·273	26th	26·177	11th	·096	70·9	84·6	+0·7	64·3	+0·1	74·5	+0·4	20·3	91·0	8th	60·5	2nd	30·5
	Ootacamund	*7,327*	23·069		23·005	23·117	26th	23·037	13th	·080	64·9	73·1		52·7		62·9		20·4	77·0	14th	48·7	29th	28·3
	Kodaikanal	7,688	22·830	−·029	22·765	22·877	26th	22·799	8th & 13th.	·078	61·5	69·5	+0·1	54·6	+1·1	62·0	+0·6	14·9	75·5	2nd	52·0	6th	23·5

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

‡ Mean of 29 days.
§ " " 10 "
† " " 12 "

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

3—*continued.*

tations in India, etc., in April, 1910—continued.

Wind direction. Number of winds from									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., 1909, to 30th April, 1910.	Normal rainfall for period, 1st Dec., to 30th April.	Departure from normal of period, 1st Dec., 1909, to 30th April, 1910.	Heaviest rainfall during month.	Station.
	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
																																Bay Islands.
		2		2	7	17	1	1	S 31° W					70		84		·917		4·0		0			0			12·12			0	P. V. Fraser.
																																Car Nicobar.
														Observatory closed.																		
5				2	3	1	4	5	S 76° W	N 82° W	7·8*	4·3	+3·0	23	−7	33	0	·869	−·080	4·3	−0·1	7			3·51	3·33	+0·18	27·11	11·77	+15·34	1·17	Port Blair.
1	7	2	1	4		2	4	9	N 32° W		10·1			43		76		·845		5·7		5			3·61			5·69			1·23	Slipper Island.
																																Kashmir.
	3	5	1	1			7	13	N 36° W		1·2			63		71		·331		5·4		9			5·25			11·91§			1·13	Muzaffarabad.
9	1			5	4	1	3	7	S 63° W	S 29° E	3·6	4·8	−1·2	17	+6	84	0	·291	−·039	6·1	+1·6	8	6·30	+1·20	4·25	2·69	+1·56	16·72	13·03	+3·69	1·49	Srinagar.
																																Gulmarg.
														Observations not available.																		
5		1		1	1	1		1	S		1·8			3		88		·161		6·2		14			17·84			66·00			3·50	Sonemarg.
3	1					1	3	2	N 7° W		1·4			17		91	+3	·138		5·9		10	8·80	+1·20	6·22	4·04	+2·18	23·91	13·95	+9·96	1·79	Dras.
3	2	1	1		1	1	5	1	N 69° W	S 65° W	4·3*	3·1	+1·2	17	−11	49	+1	·109	−·001	6·5	+1·0	2	0·70	+1·30	0·32	0·16	+0·16	1·16	1·23	−0·07	0·13	Leh.
1			2	2	3	11	1		S 24° W		7·5			43		60	−2	·185		6·8		7	2·00	+5·00	2·85	0·86	+1·99	7·35	3·52	+3·83	0·95	Skardu.
																																Minimarg.
														Observations not available.																		Astor.
2			5				3		E		1·8			7		58	+8	·253	+·009	6·9	+1·7	4	2·30	+1·20	1·83	1·15	+0·68	3·39	2·20	+1·19	1·25	Gilgit.
																																Baluchistan.
3	1	2		4		3		7	N 49° W	S 45° W	5·1	3·5	+1·6	10	+3	45	−7	·213	−·069	2·2	−0·3	3	2·40	+0·60	0·81	1·07	−0·26	5·54	7·96	−2·42	0·32	Quetta.
8	2			2	9	6	1	2	S 25° W	S 2° W	7·3	8·1	−0·8	40	−3	37	−21	·212	−·096	3·6	+1·2	2	1·60	+0·40	0·83	0·43	+0·40	5·47	5·71	−0·24	0·64	Chaman.
4		10	8	1		7			N 83° E		8·7			37		48		·346		0·5		0			0			2·02			0	Robat.
																																Hill Stations, excluding Kashmir and Baluchistan
																				5·1		9			4·40			10·60			1·00	Chitral.
7		3							N 45° E		2·1			10		79		·267		3·5		9	8·50	+0·50	4·10	3·19	+0·91	14·63	11·30	+3·33	0·88	Para Chinar.
5			2		2				S 45° E		4·2			10		53		·222		4·7	+1·5	6			3·93	2·22	+1·71	20·35	12·39	+7·96	1·55	Cherat.
1	11	2	1	1	3		1	10	N 17° W	N 11° W	13·6	13·1	+0·5	56	+4	48	0	·214	−·063	6·6	+2·5	10	5·90	+4·10	4·89	3·35	+1·54	19·65	16·05	+3·60	1·26	Murree.
7	3	2	2	9	5			2	S 56° E	N 68° E	9·7*	9·3	+0·4	33	+13	48	+2	·165	−·040	6·4		7			3·22	2·96	+0·26	12·12	13·56	−1·44	1·03	Kailang.
		2	7	6	1	4	2	4	S 36° E		2·7	2·0	+0·7	31		60		·129		3·9	+0·7	3	3·10	−0·10	1·07	1·70	−0·63	8·09	10·71	−2·62	0·41	Simla.
																36	−4	·156	−·011	4·5		5			3·03			15·86			1·24	Sarain.
1		5	1		4	4		2	S 8° E		3·3			7		56		·202		7·4		8			3·59			3·50**			1·88	Kalabagh.
	4	1		2	4			1	N		8·3			12		72		·165		2·4	−0·2	6	3·90	+2·10	2·06	1·44	+0·62	12·98	12·83	+0·15	0·57	Chakrata.
2	16			1	1				N 3° E	N 17° E	5·3	7·5	−2·2	46	+8	47	+4	·210	0	2·4		1			0·37	1·39	−1·02	6·67	9·05	−2·38	0·24	Muktesar.
3	1	1	7				3		N 69° E		7·5			17		32	−8	·149		6·2	+1·4	4	8·29	−4·29	1·74	4·34	−2·60	6·58	7·84	−1·26	0·63	Darjeeling.
2		3				1	4		N 61° W	S 28° E	4·5	8·6	−1·1	10	+2	75	−6	·322	−·027	3·6		11	8·70	+2·30	6·04	4·29	+1·75	10·99	7·71	+3·28	1·66	Shillong.
3					3	15			S 38° W		4·9			59		63		·371		6·4		12	17·00	−5·00	27·43	32·92	−5·49	60·81	49·87	+10·94	6·80	Cherra Poonjee.
7	1	1	1	1	2	16		1	S 40° W		7·9			53		89		·516		1·2		5	4·30	+0·70	3·28	2·80	+0·48	3·94	3·95	−0·01	1·47	Maymyo.
5		1			2	11	1		S 42° W		3·8			40		76	+9	·557		1·3	−0·6	0	0·80	−0·80	0	0·25	−0·25	3·45	2·17	+1·28	0	Pachmarhi.
3	2	2	8		1	1	4	9	N 11° W	N 85° W	7·2	6·0	+1·2	27	0	23	−6	·229	−·076	1·8	+0·8	1	0·30	+0·70	0·20	0·04	+0·16	0·51	1·00	−0·49	0·20	Mount Abu.
1	3	7		3		9	3	4	N 66° W	N 63° W	9·3	8·8	+0·5	17	−26	31	+5	·287	+·023	4·4	+0·2	5	5·70	−0·70	2·62	2·67	−0·05	4·00	4·15	−0·06	1·24	Mercara.
3	3	3					2	6	N 24° W	N 21° W	3·7	4·0	−0·3	33	−7	83	+5	·611	+·025	3·5		7	7·10	−0·10	1·99	3·46	−1·47	6·70	6·81	−0·14	0·59	Ootacamund.
3		4	13	8	2				S 78° E		7·1			69		41		·253		2·7		5	7·00	−2·00	4·03	4·50	−0·41	8·49	15·67	−7·18	1·09	Kodaikanal.
	1	7	12	9				1	S 89° E		14·5*			75		49	−12	·270														

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

* Uncorrected for scale error.
§ Rainfall since 1st February 1910.

**Rainfall since 19th April 1910.

Tabl

(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. 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	29·906		29·837	29·948	4th	29·865	22nd	·083	83·5	88·4		74·2		81·3		14·2	90·8	20th	71·5	1st & 3rd	19·3
	Penang (a)	20	29·880		29·825	29·912	4th, 17th & 21st.	29·842	13th	·070	82·9	80·9		71·0		80·9		19·9	92·0	8 days	70·0	11th	22·0
	Trincomalee	99									78·6	94·7	+3·7	76·3	−1·3	85·5	+1·2	18·4	99·0	30th	72·5	16th	16·5
	Colombo	24	29·872	−·025	29·822	29·937	26th	29·830	8th & 11th.	·107	76·7§	88·9	0	75·0	−1·0	81·9	−0·5	13·9	91·0	29th	69·0	2nd	22·0
	Minicoy	7	29·907			·972	26th	29·859	13th	·118	11.8												
	Amini Divi	*13*	29·884	−·012	29·825	29·947	26th	29·790	12th	·157	84·9	92·1	+1·7	79·3	−0·8	85·7	+0·5	12·8	95·0	26th	74·2	12th	20·8
	Gyantse	13,120	16·989		16·950	17·026	7th & 12th.	16·971	11th & 22nd.	·055	38·3	58·6		25·5		42·1		33·1	65·3	5 days	20·2	7th	45·1
	Pharijong	14,400	15·744		15·703	15·805	26th	15·645	16th	·160	32·7	57·9		7·8		32·8		50·1	68·5	22nd	3·5	1st	65·0
	Gangtok	5,660?	24·419		24·374	24·565	30th	24·300	16th	·265	59·4	70·6		53·5		62·0		17·1	75·6	12th & 13th.	45·8	18th	29·8
	Gartok	14,140									28·8	40·8		17·2		29·0		23·6	49·5	19th	8·1	14th & 16th.	41·4
	Kashgar (c)	4,255	25·491			25·710	11th	25·310	27th	·400	54·8	66·8		47·2		57·0		19·6	83·1	27th	36·3	1st	46·8
	Kabul		24·203		24·172	24·307	6th	24·055	20th	·252	51·6	65·2§	−6·2§	41·6	−3·6	53·3§	−4·9	23·6	80·2	16th	31·4	11th	48·8
	Meshed	3,104	26·751		26·729	26·971	6th	26·436	22nd	·535	52·3	67·0		37·0	−11·1	52·3		30·0	80·4	30th	19·8	7th	60·6
	Jask	13	29·843	−·039	29·813	29·997	9th	29·707	19th	·290	73·8	81·1	−3·1	71·4	−1·9	77·7	−2·5	12·7	87·8	19th	65·3	5th	22·5
	Muscat	20	29·871	+·002	29·839	30·027	9th	29·741	23rd	·286	81·8	89·5	+3·7	77·1	−3·4	83·3	+0·1	12·4	100·8	19th	70·1	4th & 6th,	30·7
	Bahrein	18	29·929		29·900	30·152	2nd	29·613	23rd	·539	74·2	79·8		68·3		74·1		11·5	92·1	14th	57·3	4th	34·8
	Bushire	14	29·897	+·006	29·870	30·084	2nd	29·647	23rd	·437	70·6	77·4	−4·2	65·1	−1·6	71·3	−2·9	12·3	92·3	15th	47·0	2nd	45·3
	Basrah	25	29·927		29·912	30·099	2nd	29·699	23rd	·400	72·9	80·2		65·8		73·0		14·4	89·5	21st	56·1	5th & 6th	33·4
	Kerman										52·1	73·9		42·7		58·3		31·2	87·3	16th	27·9	3rd	59·4
	Ispahan (b) ‖	*5,817*	24·292			24·450	10th	24·050	23rd	·400	51·5	70·0	−3·1	45·6 ††	0	57·8	−1·5	24·4	82·4	11th	26·2	1st	56·2
	Tehran (b)	*4,002*	25·779			26·000	2nd, 6th & 8th.	25·500	22nd & 23rd.	·500	53·8	70·0	−1·4	47·4	−2·4	58·7	−1·9	22·6	82·5	12th	35·0	2nd & 6th	47·5
	Baghdad ¶	127	29·756	−·090	29·857	29·923	16th	29·580	20th	·343	67·2	85·0	+1·9	58·5	0	71·5	+0·9	26·5	94·9	20th	52·8	16th	42·1
	Beirut ††	111			29·945						65·8	72·4		58·5		65·5		13·9	88·3	18th	51·1	1st	37·2
	Aden	94	29·866	+·025	29·892	29·952	3rd	29·812	22nd	·140	80·9	87·8	−1·3	76·6	−0·7	82·2	−1·0	11·2	92·3	3rd	73·4	10th	18·9
	Perim	201	29·720	+·032	29·857	29·817	3rd	29·648	22nd	·169	81·6	87·6	−1·1	78·3	−0·5	82·9	−0·8	9·3	90·2	27th	76·7	9th	13·5
	Zanzibar	72	29·937	0	29·936	30·011	29th	29·868	22nd	·143	79·0	83·2	−1·5	76·6	−1·0	79·9	−1·3	6·6	89·8	9th	72·2	4th	17·6

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.

(a) 9 hrs. observations. (b) Aneroid uncorrected.

(c) Aneroid corrected. ‖ 7 hrs. observations. †† 8½ hrs. observations.

—concluded.

tations in India, etc., in April, 1910—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 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., 1909, to 30th April, 1910.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec., 1909, to 30th April 1910.	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
																															Extra India.
	3		1		1		1	N 45° E		7·0*			3						5·7		18			10·85			31·79			2·70	Singapore.
8	6	6					10	N 10° E		11·4*			62						1·0		10			4·39			49·14			1·45	Penang.
			1	2	22	5		S 48° W	S 39° W	6·2*†	6·8	−0·6	89	+21	81‡	0	·797‡	−·130	2·4	−0·7	4			2·89	1·81	+ 1·08	16·64	26·52	− 9·88	1·49	Trincomalee.
1	15	1	1	1	1	2		N 46° E	S 12° E	4·8*	6·3	−1·5	49	− 3	93§	+15	·860§	−·034	6·0	+1·1	8			5·83	12·03	− 6·20	10·66	28·76	−18·10	2·28	Colombo.
8		1		2	3	5	11	N 49° W	N 59° W	5·6	7·4	−1·8	60	+ 5					0·4	−4·3	2			1·35	3·67	− 2·32	6·18	11·75	−5·57	0·89	Minicoy.
9						1	18	N 32° W		7·8			87		71	− 4	·853	−·078	4·5	−0·4	1			0·33	2·58	− 2·25	2·70	3·09	− 0·39	0·28	Amini Divi.
	2	4						S 67° E		3·7			43		56		·127		2·1		0			0·01			0·01			0·01	Gyantse.
11	1		3	5	1	4	5	N 36° W		7·4			30		71		·135		1·8		0			0			0			0	Pharijong.
	2		1		1			E		2·6			4		73		·369		2·6		15			15·54			22·25			2·65	Gangtok.
			12	6	2			S 24° E		12·2			60						3·8		0			0			0			0	Gartok.
1					1		2	N 45° W	N 21° W		4·6		3	− 9	52	+ 6	·217	−·003	6·1	+1·1	4			0·77	0·12	+ 0·65	1·35	0·90	+ 0·45	0·28	Kashgar.
2	3				5	11	9	N 70° W	N 89° W				67	+51	65		·246		4·4	+2·5	10			4·55	2·24	+ 2·31	19·68	9·65	+10·03	0·95	Kabul.
2	1		4		2		7	N 45° W		2·2			13		65		·259		4·6	+0·2	4			1·11	1·78	− 0·67	9·27	6·35	+ 2·92	0·45	Meshed.
3	1	5			1	6	11	N 39° W	N 45° W	10·6	9·8	+0·8	46	+31	67	+ 1	·563	−·109	0·4	−0·6	0			0	0·03	− 0·03	7·74	3·80	+ 3·94	0	Jask.
		5	1	1		5	14	N 54° W	N 51° W	6·6	4·3	+2·3	45	+16	49	− 9	·536	−·109	0·9	+0·1	0			0	0·03	− 0·03	3·54	3·40	+ 0·14	0	Muscat.
5		1	2	3	3	6	10	N 65° W		7·6			47		68		·579		1·6		0			0·04			5·27			0·04	Bahrein.
1	2	2	1	2	2	2	12	N 49° W	N 1° E	10·8	9·0	+1·8	33	− 4	71	+ 9	·532	+·015	1·7	−0·7	0			0	0·53	− 0·53	14·75	10·24	+4·51	0	Bushire.
1			1	6	1	9	8	S 59° W		4·0			57		66		·533		2·5		0			0			5·82			0	Busrah.
5	6	2	[illegible]		6	6	[illegible]	N 35° W		4·3			17		50		·188		1·2			No	rain gauge.								Kerman.
2	1			1	7	9	3	S 86° W	N 83° W	11·5	6·4	+5·1	50		63		·234		0·8		1			0·15	0·38	− 0·23	4·34	2·34	+ 2·00	0·15	Ispahan.
8	9	1		1	1	1		N 25° E	S 63° W	3·5	4·4	−0·9	47		55		·219		1·8		4			0·83	1·18	− 0·35	5·61	7·46	− 1·85	0·26	Tehran.
1		1				1	7	N 40° W	N. 2° W	** 7·5	4·2	+3·3	50	+17	54	− 8	·358	−·044	1·0	−0·6	1			0·22	0·96	− 0·74	4·27	7·75	− 3·48	0·22	Baghdad.
	12				17			S 45° W					13		69		·439		3·6		4			1·18			25·64			0·42	Beirut.
1	28				1			N 44° E	N 80° E	16·6	15·4	+1·2	92	+18	77	+ 3	·806	+·015	2·4	−1·0	0			0	0·38	− 0·38	0·70	2·23	− 1·53	0	Aden.
	5	16	8					S 40° E	S 69° E		18·0		80	+22	76	0	·818	−·021	3·1	−1·2	0			0	0·02	− 0·02	4·07	0·97	+ 3·10	0	Perim.
1		2	12	12	1			S 18° W	S 15° W	7·6	7·1	+0·5	73	−11	85	− 1	·840	−·018	7·8	+1·5	16			14·52	13·23	+ 1·29	34·66	30·08	+ 4·58	3·47	Zanzibar.

* Uncorrected for scale error.
† Mean of 27 days.
‡ Mean of 28 days.
§ Mean of 29 days.
¶ Mean of 16 days.
** Mean of 15 days.

Table C.—Abstract of observations taken at 8 hrs. at 38 fourth class stations in India, etc., in April, 1910.

Table

Abstract of observations taken at 8 hrs., at 38 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.	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	71·6	83·6	...	65·5	...	74·5	...	18·1	93·1	24th	60·9	19th	32·2	...	...	...	...	...	...	...	...	...	...	...
	Borjuli	73·8	85·4	...	65·1	...	75·3	...	20·3	91·1	15th	59·4	26th	31·7	...	...	...	...	...	...	...	...	...	...	...
	Chandkhira	73·8	87·4	...	66·2	...	76·8	...	21·2	95·2	14th	61·7	2nd	33·5	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	71·2	81·2	...	65·6	...	73·4	...	15·6	93·8	24th	58·4	19th	35·4	...	...	...	...	...	...	...	...	...	...	...
	Dikom	70·2	81·8	...	65·7	...	73·7	...	16·1	92·0	24th	59·0	19th	33·0	...	...	...	...	...	...	...	...	...	...	...
	Golaghat	73·0	82·2	...	...	...	...	...	...	90·1	9th	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	70·5	87·1	...	67·0	...	77·0	...	20·1	93·0	7th	62·0	17th & 18th.	31·0	...	...	...	...	...	...	...	...	...	...	...
	Jorehat	72·3	82·9	...	67·2	...	75·1	...	15·7	95·1	24th	62·3	19th	32·8	...	...	...	...	...	...	...	...	...	...	...
	Messa	75·8	89·2	...	65·3	...	77·3	...	23·9	95·5	10th & 25th.	59·9	18th	35·6	...	...	...	...	...	...	...	...	...	...	...
	Panerihat	67·7	84·2	...	65·2	...	74·7	...	19·0	90·1	25th	61·0	19th	29·1	...	...	...	...	...	...	...	...	...	...	...
	Srimangal	76·6	92·2	...	69·9	...	81·1	...	22·3	97·9	12th	60·2	18th	37·7	...	...	...	...	...	...	...	...	...	...	...
5	Brahmanbaria	81·0	92·5	...	71·7	...	82·1	...	20·8	98·2	10th & 22nd.	61·1	29th	37·1	...	...	...	...	...	...	...	...	...	...	...
	Dam Dim	74·8	90·5	...	65·1	...	77·8	...	25·4	96·1	24th	58·7	24th	37·4	...	...	...	...	...	...	...	...	...	...	...
	Goalundo	82·4	96·7	...	72·3	...	84·5	...	24·4	106·7	11th	65·2	26th	41·5	...	...	...	...	...	...	...	...	...	...	...
	Kalchini	78·7	87·7	...	65·3	...	76·5	...	22·4	95·6	9th	59·4	17th	36·2	...	...	...	...	...	...	...	...	...	...	...
	Nagrakata	75·5	87·0	...	66·8	...	76·9	...	20·2	92·1	15th, 25th & 26th,	60·0	13th	32·1	...	...	...	...	...	...	...	...	...	...	...
	Pabna	79·8	97·5	...	70·8	...	84·1	...	26·7	105·0	10th & 11th,	62·4	20th	42·6	...	...	...	...	...	...	...	...	...	...	...
	XI.—Central Provinces.																								
24	Chhindwara	84·3	100·6	...	72·3	...	86·5	...	28·3	104·5	19th	64·0	13th	40·5	...	5	7	2	1	1	2	5	7	N 18° W	...
	XIV.—Madras.																								
34	Guntur ‖	84·2	102·3	...	77·4	...	89·8	...	24·9	109·0	13th	72·1	9th	36·9	...	...	...	...	...	...	...	...	...	...	...
	Hill Stations.																								
	Panighatta	77·3	87·8	...	67·0	...	77·4	...	20·8	95·3	23rd	60·9	13th	34·4	...	...	...	...	...	...	...	...	...	...	...
	Kurseong	64·6	71·6	...	58·2	...	64·9	...	13·4	78·6	13th	49·1	13th	29·5	...	...	...	...	...	...	...	...	...	...	...
	Gnatong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lachung	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Ringim	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	56·4	...	32·5	...	44·5	...	23·9	67·1	19th	27·3	5th & 13th	39·8	19	...	...	...	8	1	1	1	...	S 30° E	...
	Kargil	39·1	52·0	...	34·4	...	43·2	...	17·6	63·5	27th	18·4	5th	45·1	...	3	1	12	6	...	...	2	6	N 70° E	...
	Killa Drosh	49·2	64·1	...	46·5	...	55·3	...	17·6	80·3	18th	36·1	4th & 10th.	44·2	8	...	14	...	2	...	3	...	3	N 38° E	...
	Pishin	...	73·3	...	43·5	...	58·4	...	29·8	88·4	18th	29·0	4th	59·4	...	...	...	...	...	...	...	...	...	...	...
	Kalat	53·9*	69·3	−6·8	38·5	+1·1	53·9	−2·9	30·8	82·6	19th	21·1	4th	61·5	...	8	...	1	...	21	...	...	...	S 4° E	...

* Uncorrected for scale error.

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lass stations in India, etc., in April, 1910.

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 Dec., 1909, to 30th April, 1910.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec., 1909, to 30th April, 1910.		
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.
...	...	...	...	...	87	...	·673	...	...	...	10	...	...	3·90	...	...	11·54	...	...	1·14	Bishnath.
...	...	...	...	...	80	...	·667	...	...	...	10	...	...	3·22	...	...	8·76	...	...	0·65	Borjuli.
...	...	...	...	...	89	...	·738	...	...	...	11	...	...	11·85	...	...	20·55	...	...	4·45	Chandkhira.
...	...	...	...	...	84	...	·637	...	...	...	12	...	...	6·88	...	...	18·92	...	...	1·56	Doom Dooma.
...	...	...	...	...	92	...	·683	...	...	...	11	...	...	6·58	...	...	17·28	...	...	1·44	Dikom.
...	...	...	...	...	85	...	·683	...	...	...	12	...	...	4·90	...	...	9·04	...	...	1·12	Golaghat.
...	...	...	...	...	90	...	·673	...	...	...	11	...	...	22·16	...	...	29·38	...	...	7·55	Hailakandi.
...	...	...	...	...	80	...	·668	...	...	...	12	...	...	5·18	...	...	11·19	...	...	1·05	Jorehat.
...	...	...	...	...	74	...	·654	...	...	...	8	...	...	3·09	...	...	7·77	...	...	0·70	Messa.
...	...	...	...	...	88	...	·593	...	...	...	9	...	...	4·63	...	...	11·39	...	...	1·08	Panerihat.
...	...	...	...	...	84	...	·768	...	...	...	8	...	...	10·20	...	...	14·81	...	...	3·88	Srimangal
...	...	...	...	...	73	...	·769	...	...	...	8	...	...	6·12	...	...	8·79	...	...	1·75	Brahmanbaria.
...	...	...	...	...	99	...	·848	...	...	...	4	...	...	2·33	...	...	7·09	...	...	0·99	Dam Dim.
...	...	...	...	...	77	...	·838	...	...	...	7	...	...	2·98	...	...	4·59	...	...	0·68	Goalundo.
...	...	...	...	...	74	...	·742	...	...	...	8	...	...	4·22	...	...	8·91	...	...	1·22	Kalchini.
...	...	...	...	...	73	...	·621	...	...	...	8	...	...	4·12	...	...	7·51	...	...	1·12	Nagrakata.
...	...	...	...	...	78	...	·829	...	...	...	5	...	...	3·53	...	...	5·29	...	...	1·52	Pabna.
																					XI.—Central Provinces.
6·2	...	...	43	...	47	...	·555	...	...	...	0	...	...	0	...	...	2·35	...	...	0	Chhindwara.
																					XIV.—Madras.
...	...	...	...	...	84	...	9·86	...	2·0	...	2	...	...	0·84	...	...	0·84‡	...	...	0·61	Guntur.‖
																					Hill Stations.
...	...	...	...	...	60	...	·543	...	...	...	3	...	...	2·06	...	...	5·67	...	...	1·10	Panighatta.
...	...	...	...	...	69	...	·410	...	...	...	5	...	...	5·27	...	...	12·27	...	...	2·09	Kurseong.
...	...	...	...	...	...	...	...	...	...	...	15	...	...	11·40	...	...	23·73	...	...	1·70	Gnatong.
...	...	...	...	...	...	...	...	...	...	...	10	...	...	7·24	...	...	15·94§	...	...	2·61	Lachung.
...	...	...	...	...	...	...	...	...	...	...	17	...	...	7·25	...	...	22·45	...	...	0·97	Ringim.
...	...	...	30	...	...	...	...	...	5·5	...	3	...	...	0·85	1·72	−0·87	6·83	14·01	−7·18	0·47	Poo.
...	...	...	40	...	70	...	·171	...	7·3	...	6	...	...	3·47	...	...	9·17	...	...	1·04	Kargil.
...	...	...	37	...	70	...	·267	...	2·5	...	8	...	...	4·43	...	...	9·7	...	...	1·12	Killa Drosh.
...	...	...	...	...	...	...	...	...	2·6	...	3	1·90	+1·10	1·07	0·86	+0·21	7·36	8·91	−1·55	0·74	Pishin.
...	...	...	43	...	55	...		...	...	...	0	1·10	−1·10	0·06	0·22	−0·16	4·04	3·75	+0·29	0·04	Kalat.

‖ Observations of 23 days.
§ Total rainfall from 23rd December 1909 to 19th January 1910 not included.

‡ Total rainfall from 8th April 1910.

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Abstract of observations taken at 8 hrs. at 38 fo

Number of subdivision.	Station.	Temperature of air.													Wind direction.									
															Number of winds from									
		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.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant 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
	Extra India.																							
	Ahwaz . . .	...	87·8	...	67·8	...	77·8	...	20·0	92·6	28th	63·2	25th	29·4	...	...	...	...	...	...	...	...	...	...
	Birjand . . .	56·8†	66·4‡	...	50·2‡	...	58·3‡	...	16·2	79·8	15th & 18th	32·4	6th	47·4	1	1	11	1	2	4	...	3	...	N 67° E
	Chumbi . . .	3[illegible]·0	59·4*	...	35·0	...	47·2	...	24·4	72·0	7th	30·2	18th	41·8	...	...	...	...	...	...	...	...	...	...
	Kirmanshah . .	52·2	64·3	...	37·9	...	51·1	...	26·4	78·2	11th	28·0	1st	50·2	...	...	...	...	...	...	...	...	...	...
	Koweit	...	82·1	...	65·0	...	73·6	...	17·1	95·0	21st	55·7	5th	39·3	1	...	...	...	7	...	...	1	20	N 48° W
	Maidan . . .	...	85·9	...	59·5	...	72·7	...	26·4	99·2	23rd	47·9	1st, 2nd, 3rd & 4th.	51·3	...	...	...	...	...	..	.	...	...	...
	Mahommerah . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8	...	1	4	4	...	...	7	N 10° W
	Pemba . . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island . .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...

* Uncorrected for scale error.

† Mean of 28 days.

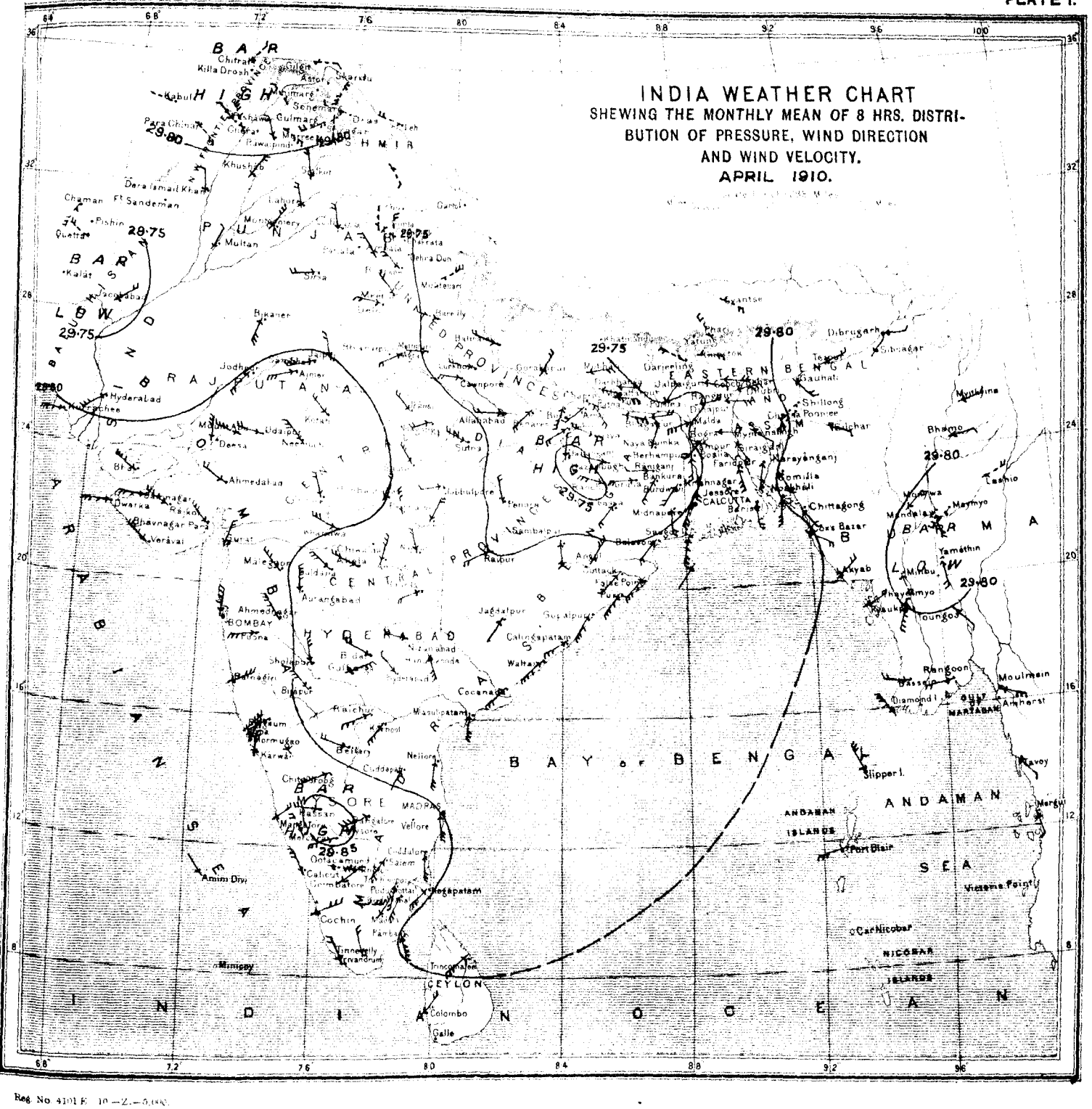
‡ Mean of 27 days.
§ " " 9 "

—*concluded.*

ass stations in India, etc., in April, 1910—concluded.

Wind velocity.			Wind steadiness.		Hygrometry, 3 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
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., 1909, to 30th April, 1910.	Normal rainfall for period, 1st Dec. to 30th April.	Departure from normal of period, 1st Dec., 1909, to 30th April, 1910.		
7	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					Extra India.
.	...	...	...	...	..	...	...	...	3·1	...	0	...	...	0·01	...	...	9·75	...	...	0·01	Ahwaz.¶
5·2§	...	...	29	...	45†	...	·202†	...	3·3†	...	4	...	...	1·31	...	...	4·41	...	...	0·70	Birjand. ** ††
.	...	...	...	...	81	...	·193	...	...	...	12	...	...	3·63‖	...	...	9·40	...	...	0·59‖	Chumbi.
.	...	...	...	...	62	...	·241	...	...	...	3	...	...	1·06	...	...	11·50	...	...	0·38	Kirmanshah.
.	...	...	48	...	...	...	...	...	2·3	...	0	...	...	0	...	...	6·23	...	...	0	Kowcit.‡‡
.	...	...	...	...	...	...	...	...	...	...	0	...	...	0	...	...	15·59 ¶¶	...	...	0	Maidan.
.	...	...	20	...	...	...	...	...	...	...	0	...	...	0·02	...	...	2·63	...	...	0·02	Mahommerah§§
	...	...	...	...	...	...	...	...	...	...	23	...	...	37·56	...	...	53·63	...	...	6·53	Pemba.
	...	...	...	.	...	...	...	...	...	...	10	...	...	11·76	...	...	22·37	...	...	3·12	Prison Island.

‖ Rain and snow water.
¶¶ Total rainfall since 1st March 1910.
†† Wind observations less 6.
** Wind variable 1.
§§ " " 6.
¶ Observations of 16 days.
‡‡ " " 29 "

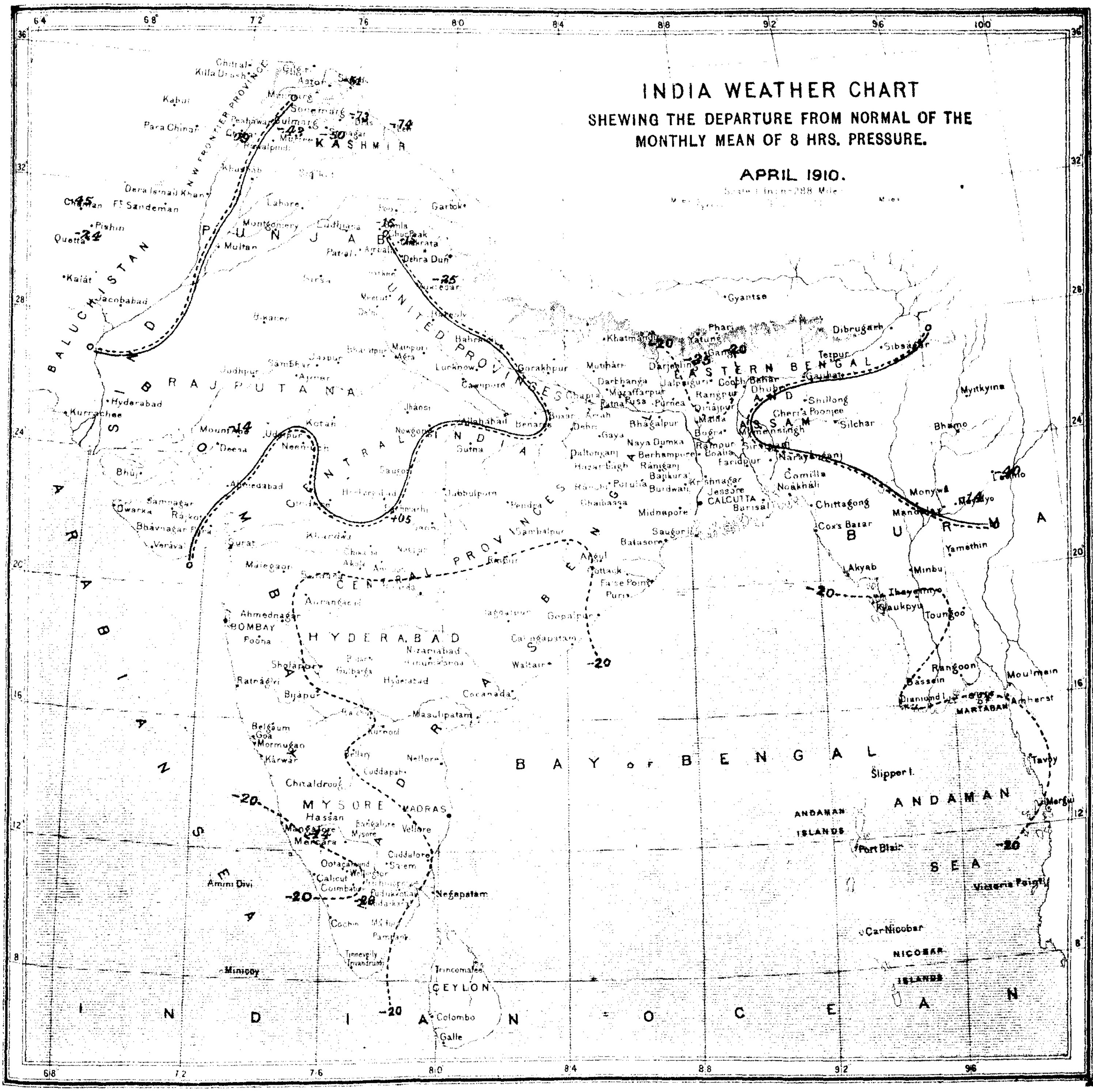


Reg. No. 4101 E. 10—2.—5,000.

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	,,	,,	,,	,,	,,	



Reg. No. 4101 E., 10—2.—5.—06.

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.

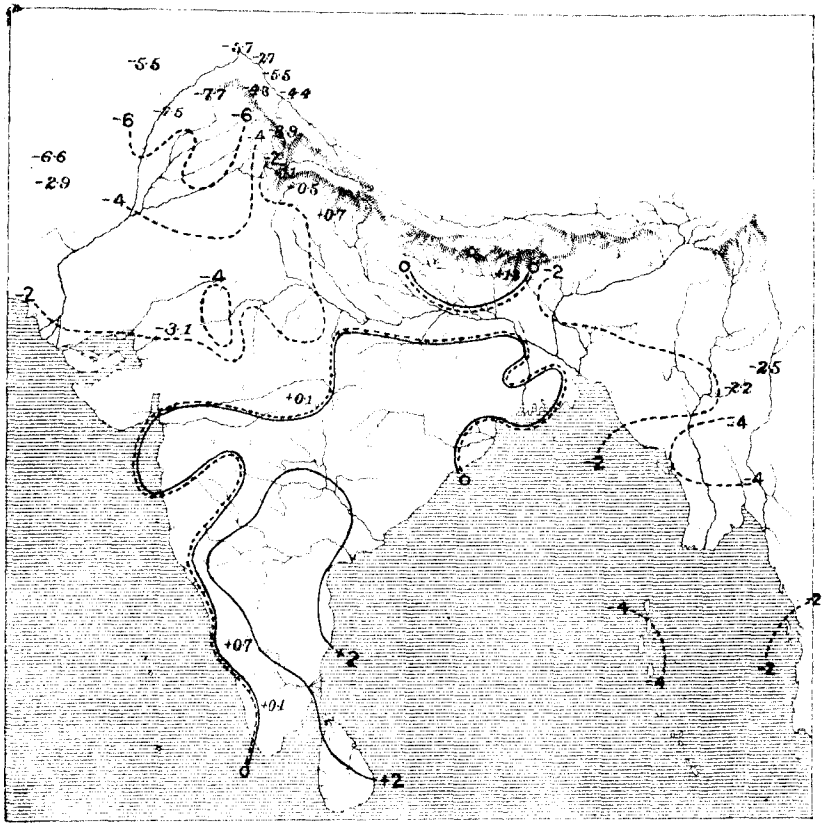


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

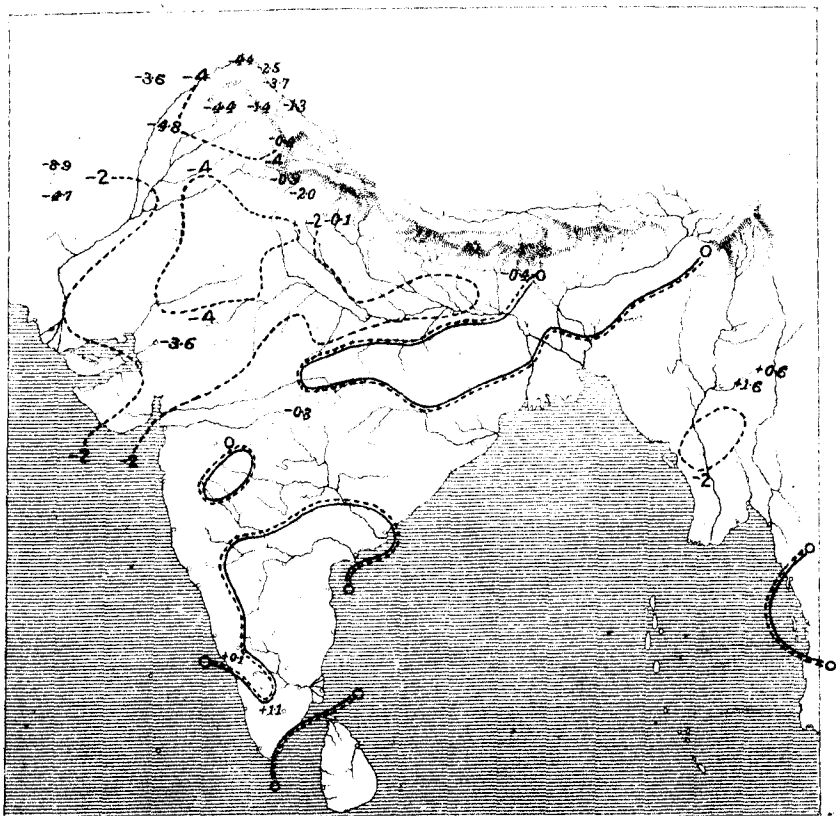


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MEAN TEMPERATURE.

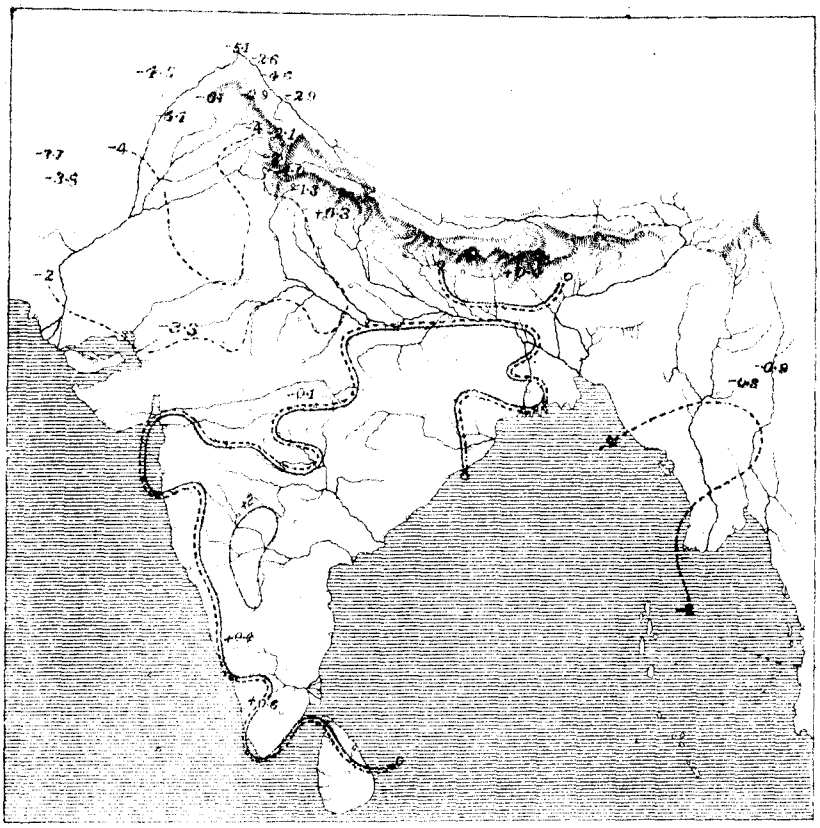


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.

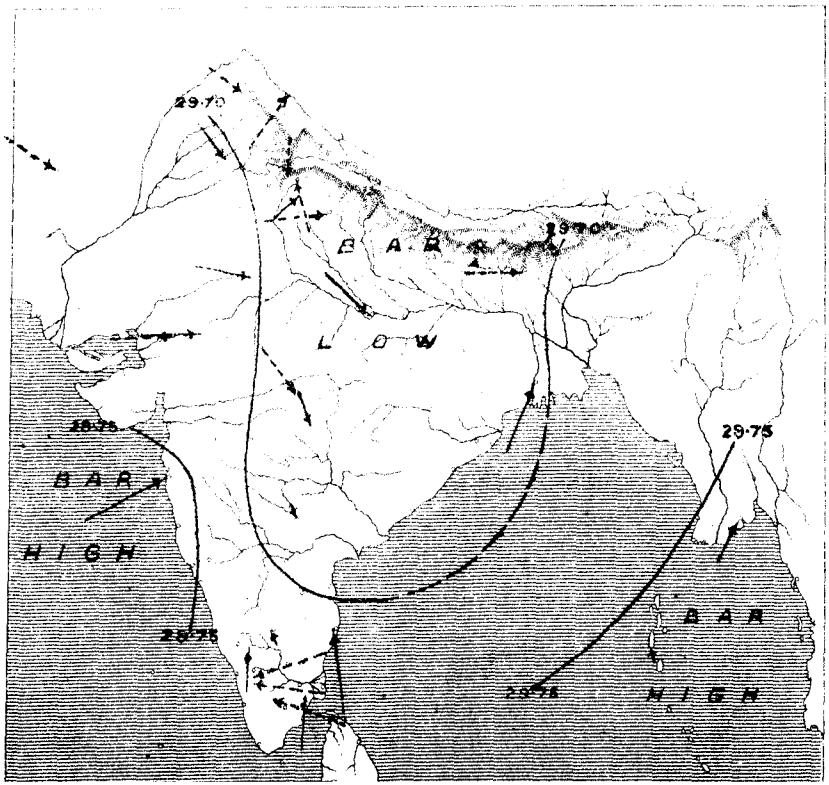


PLATE V.

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

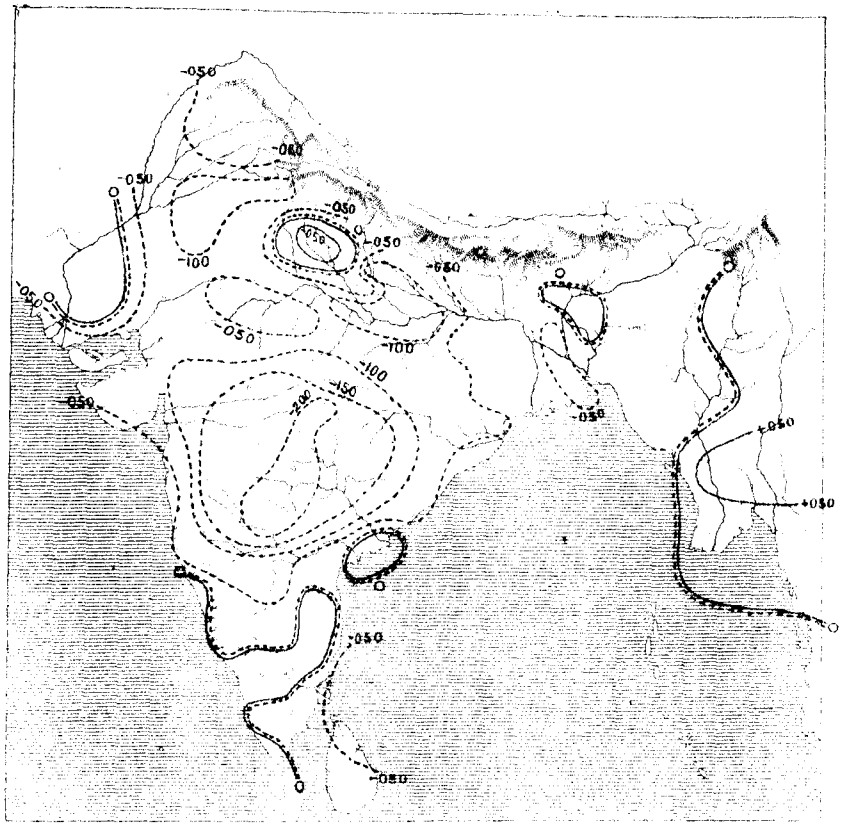


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

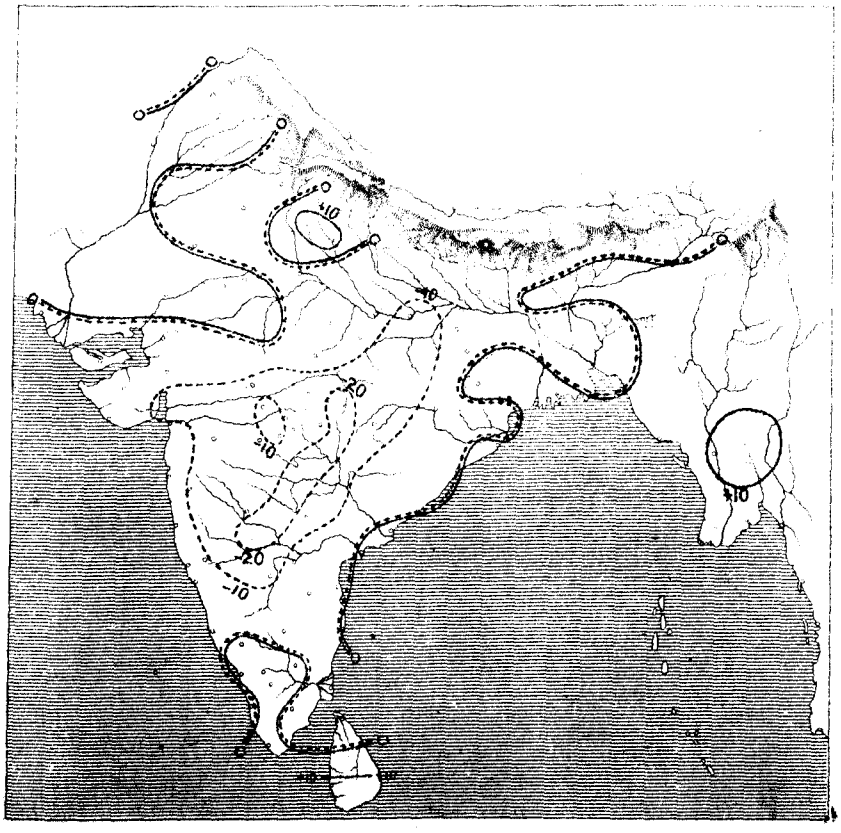


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

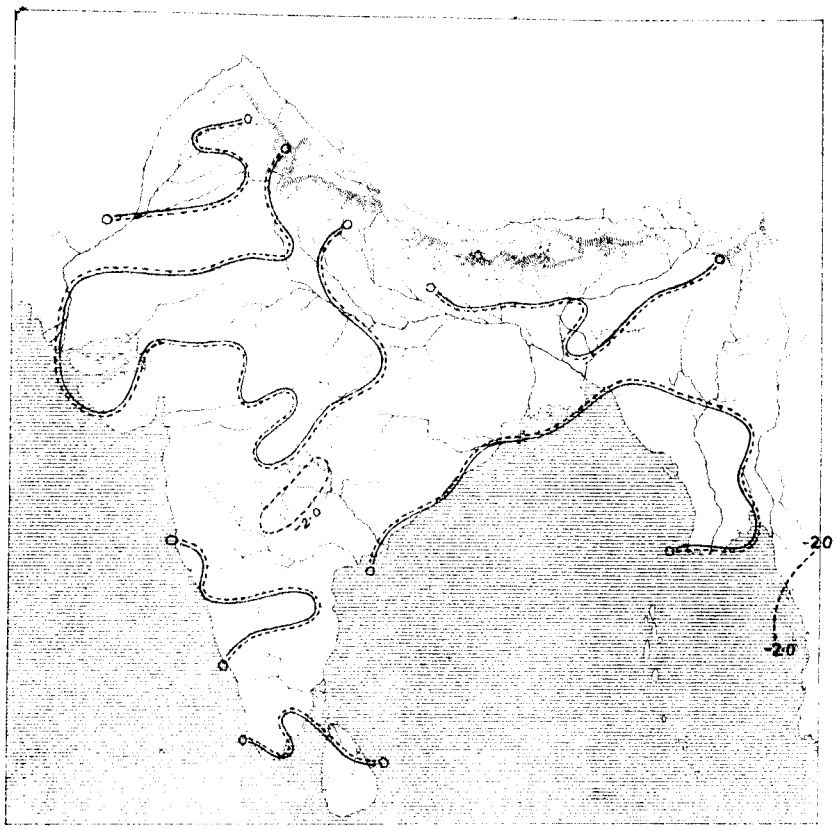
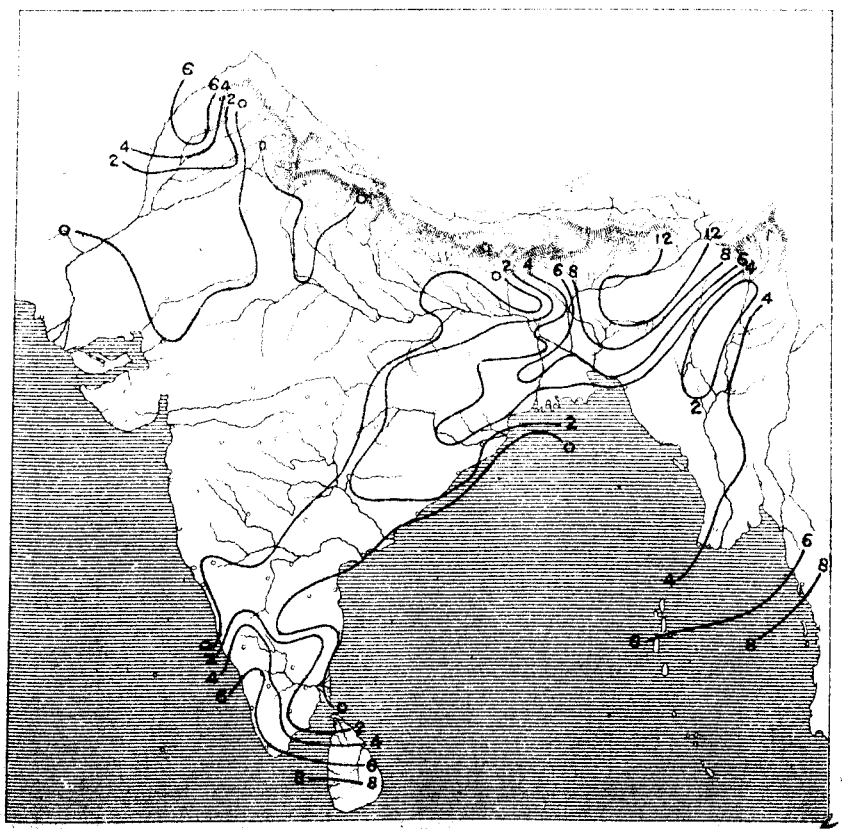
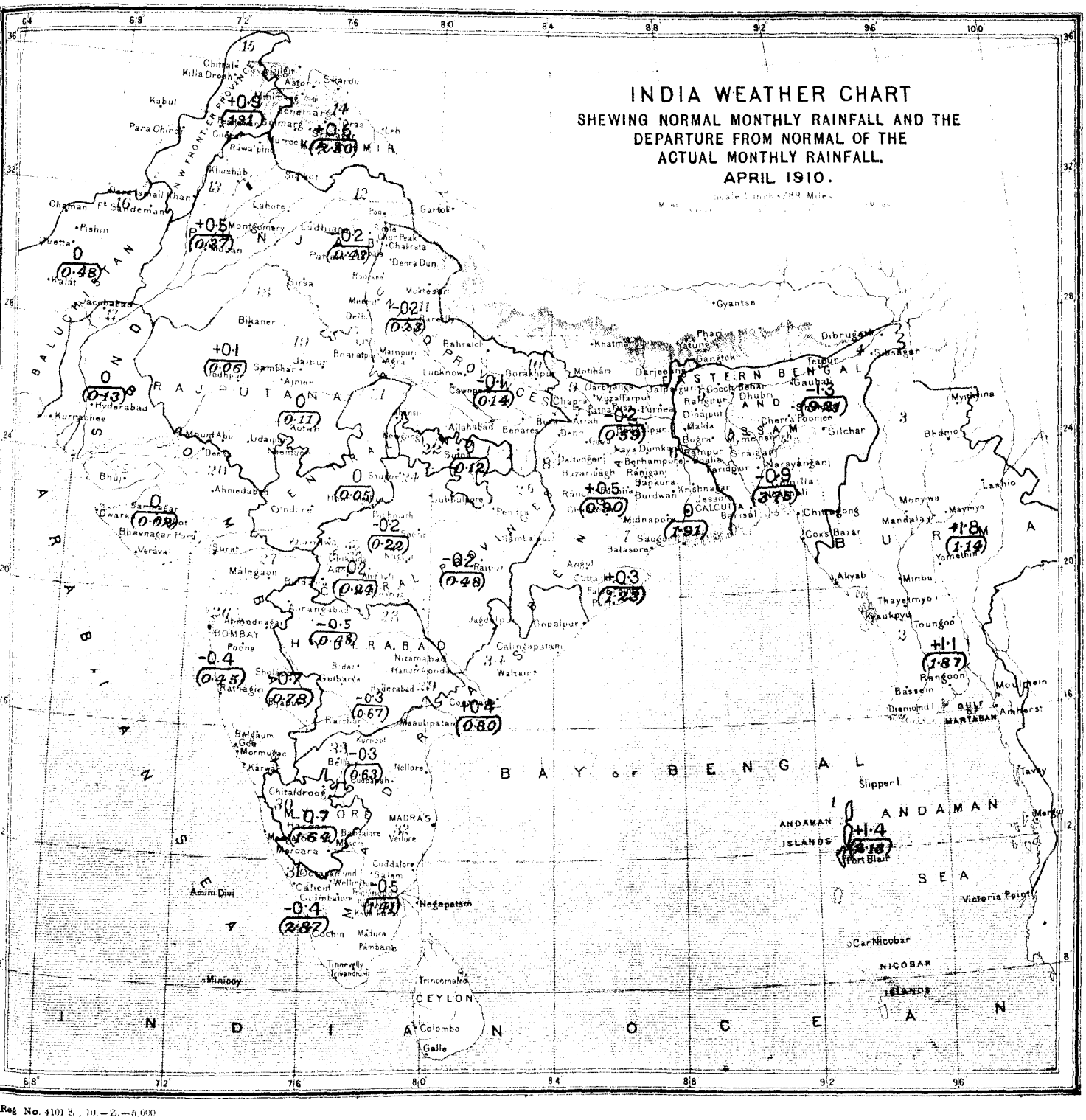


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)





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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, MAY, 1910.

INTRODUCTION.

THIS review of the weather in India during the month of May, 1910, is based on observations taken daily at 8 hrs. at 240 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 34 stations. In the rainfall summary have been utilized 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.

The brief notes on solar, seismic and magnetic disturbances are supplied by the chief observatories in the Indian area.

Summary of the chief features of the weather in India during the month.

2. No important depressions or storms occurred in the Indian region during the month, even the low pressure conditions in front of the advance of the monsoon over the Bay during the last week failing to concentrate. Over the greater part of the country May was accordingly a remarkably dry month. Indeed the only areas which recorded more than their normal quantity of rainfall were Burma, the United Provinces East, the east of Central India and Mysore, and except in Burma the excess was less than a third of an inch in amount. Further Baluchistan, the Punjab Southwest, Sind, Rajputana, Gujarat and Central India West failed to receive their small normal falls. The Bay Islands which usually obtain 13½″ received only 6″.

In agreement with the scantiness of precipitation, humidity and cloud were in general below the normal, though not to any great extent. Temperature on the other hand was approximately normal, both by day and night, notwithstanding the prevailing dryness.

Pressure on the average of the whole country was ·013″ above the normal, and in lower Sind, Gujarat and a large part of the peninsula the excess was decidedly greater in amount.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar Observations.*—Complete solar observations were obtained on all the days of the month except on the 6th when the weather was not fine enough for observing prominences.

Sunspots.—Fourteen new spot groups were recorded of which one was large and two were of moderate size. The daily average number was 2·2 and the average life of a spot was 3·7 days. On no day was the sun completely free from spots, as against 7 such days in the previous month. The large spot No. 1855 came round the east limb on May 14th. It was at first an irregular group, but during the next few days it formed into a train with the main spot as the leader. The companion spots began to disappear after the group crossed the central meridian and the main spot alone remained to go round the west limb on the 25th. The group was an active one as indicated by frequent reversals and displacements of the C line. The greatest disturbance was observed on the 17th, when it was half

way between the east limb and the central meridian. The latitude distribution of the spots was as follows :—

TABLE 1.

	0°—10°.	10°—20°.	Extreme latitudes.	Mean latitudes.
North . . .	4	—	4° and 10°	7°·2
South . . .	6	4	0° and 18°	10°·4

Prominences.—Fifty-six large, 6 metallic, and 4 eruptive prominences were observed during the month. Of these 6 were nearly or more than 2 minutes in height. The highest was photographed on the 25th, at the west limb, and was 200″ high. On this day the large spot was close to this part of the limb and a series of connected prominences extended from latitude —24° to +23°. They were changing both in shape and height and the greatest height was reached at 11h.

Magnetic disturbances.—"Moderate" magnetic disturbances were recorded from the 13th to 15th and from the 24th to 27th. On the former occasion there was a spot close to the central meridian.

The transit of Halley's comet over the sun's disc on the morning of the 19th was carefully looked for but no trace of the comet could be detected.

Seismological records.

TABLE 2.

No.	Date,	P. T. Commencement G. M. T.	L. W. Commencement G. M. T.	Maxima. G. M. T.	End.	Maximum Amplitude.	Duration.	REMARKS.
	1910.	H. M.	H. M.	H. M.	H. M.	mm.	H. M.	
19	May 1	18 54·6	19 38·2	19 43·3	20 51	1·1=1·1	1 56	
20	,, 10	18 43·2	19 01·8	19 03·92	19 26	0·5=0·2	0 43	
21	,, 11	15 59·7	...	...	16 16	...	0 16	Widening of line.
22	,, 13	8 21·7	9 02·6	9 06·2	10 53	0·6=0·3	2 31	
23	,, 15	16 17·1	16 36·7	16 39·3	17 10	0·5=0·2	0 53	
24	,, 18	16 15·6	16 22·3	16 34·6	17 18	1·1=0·5	1 02	
25	,, 20	13 40·6	...	...	13 59	...	0 18	Widening of line.
26	,, 22	6 36·1	7 08·4	7 12·5	8 15	1·2=0·5	1 39	

C. MICHIE SMITH,

Director,

Kodaikanal and Madras Observatories.

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of May 1910 the traces showed 7 calm days, 21 days of small and 3 days of moderate disturbance.

The days of the month selected as "quiet" for the purposes of the Magnetic Survey of India are the 6th, 8th, 12th, 23rd and the 30th.

The mean monthly 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 . . .	0° 57′ 50″
Horizontal force . . .	0·36842 C. G. S. unit.
Vertical force . . .	0·16095 ,, ,,
Inclination (calculated) . .	23° 35′·9.
Inclination (observed) . .	23° 35′·0.
Horizontal force range . .	0·00035 C. G. S. unit.
Horizontal force summed range .	0·00235 ,, ,,
Declination range . . .	3′·8.
Declination summed range .	17′·4

(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 during the month :—

TABLE 3.

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

In the above table C=calm, S=small, M=moderate, G=great, V. G.=very great.

5. In connection with the theory to which the trend of thought of late is strongly inclined, namely, that terrestrial magnetic storms are caused by cathode or other forms of radiation from the sun ejected indefinite stream lines from some active regions of the spot, the data for the month acquire an especial interest. For the theory is apparently supported by the visual appearance and structure of the coronal and cometary appendages and hopes were entertained by those who favoured the above view that the expected passage of the earth through the tail of the comet

which was timed to occur about the morning of the 19th May, might set up magnetic disturbances and thus furnish positive evidence of such influence and connection.

A general watch was kept on the magnetic instruments from the 15th to the 25th. Continuous eye observations were taken from 7 A.M. to 10 A.M. on the 19th May, while the sun was being observed through two 4" telescopes both visually and by projection of its image on the screen. A nearly cloudless sky gave a continued opportunity without any break for careful observation throughout the four hours, but absolutely no indication of the passage of the nucleus of the comet across the sun's disc could be noted nor any unusual movements of the magnetic needle were observed to occur at the time. The negative results suggested, if the transit did occur as calculated, a highly tenuous nature of the nucleus, and no appreciable influence on the magnetic conditions of our earth.

The magnetic charts* for the month were examined lately which also show that during the whole month no feature of any exceptional or unusual character can be noted in the traces. Three moderately large disturbances denominated as M were recorded during the month on the 13th, 18th and 24th. It will be seen that all the three disturbances appear to be practically of the same character, and all affect the diurnal pulse similarly, accentuating the fall of force at Bombay about the evening hours. As the question is of some importance, the indications of the magnetic data which tend merely to a negative conclusion, need an examination in detail for several days preceding and succeeding the event of the transit. For the tail of the comet as seen during the night of the 19th upto the sunrise of the 20th appeared to linger in the eastern sky for some 20 hours and more, after the nucleus had transited the sun and passed to the south of the ecliptic and appeared to the east of the sun on the 19th. On the evening of the 20th only, could the tail be seen but much foreshortened in length in the western sky along with the nucleus. This created a serious doubt if the tail had really brushed past the earth about the time of the transit of the nucleus on the morning of the 19th, for the appearances were against such passage, which seemed more likely to occur (if it did at all, provided the tail was sufficiently long and the incurve of the tail at the end was not such as to carry it altogether above or below the earth) between 7 A.M. and 5 P.M. of the 20th. Any way as the time of the passage was thus a doubtful factor, the examination of the magnetic traces for some time before and after the date becomes hence essentially pertinent.

In the table attached are given the calculated values of horizontal force for each hour derived from the magnetograph tabulations from the 12th to the 26th May. The last row shows the mean values for the whole month, and by a comparison of the corresponding figures for each day with those of the average of the month, one can readily determine the abnormal features if any. The data are all compensated for temperature errors and instrumental changes. It will be seen that the days include all the three moderately disturbed days in the month, and as the disturbance of the 18th-19th happens to fall on the day of the transit of the comet, not unnaturally one may at first sight associate the two phenomena together and ascribe the coincidence as due to some influence of the comet. The three disturbances hence when examined in relation to each other, leave little room for doubt in regard to the results. The day of the hihgest daily mean in the month, which almost invariably bespeaks quiescent conditions, fell this month on the 23rd which is one of the five quiet days selected for the month. The day with the lowest daily mean which invariably connotes disturbed conditions happens to fall on the 19th; the former shows a rise of force by 20γ above the mean of the month and the latter a fall of 23γ. By mere inspections of the traces these three disturbances have been denominated as M, and though those of the 13th and the 24th apparently indicate slightly more intense disturbance than that of the 18th, the daily mean clearly supplements additional information indicating the incidence of disturbance of somewhat greater intensity on the 18th-19th. This shows how useful it is in the classification of days to consider along with the usual factors, that of the daily mean, as suggested some years ago by this observatory.

Examining now the disturbance of the 18th-19th in detail it appears that the incidence of the decreasing disturbance† commenced between 17 hrs. and 18 hrs. on the 18th. The greatest lowering effect on hourly ordinate was reached at about 20 hrs. when a defect of 53γ is indicated. Throughout the 19th the force remained in defect and normal conditions were reached about 10 A.M. on the 20th (*vide* Table of excesses). The first moderately large disturbance in the month which occurred on the 13th, commenced about 15 hrs. as will be seen from the table given above, and the normal was reached at about 16 hrs. the next day. The duration hence is much shorter here—about 25 hours. The disturbance of the 24th similarly commenced between 14 and 15 hrs. and continued to affect the ordinates till about 2 hrs. on the 26th. Thus the duration here is about 37 hours as against that of 41 hours of the 18th-19th disturbance. It will thus be seen that there is scarcely any feature except a small one of intensity in the disturbance of the 18th-19th which can be regarded as unusual in comparison with the other disturbances. The commencement of all these disturbances lies between 14 and 17 hrs. which is the usual time of the rapid fall in force at Bombay. The lowest value in force, that is the greatest effect of the disturbance, is attained in all cases between 17 and 20 hrs. which is also the usual time of the lower turning point of the diurnal variation. The minimum value of the force attained hence is accentuated and lowered by all the three disturbances, the effects of which persist for 23, 37, and 32 hours thereafter respectively in the disturbances. If the magnetic perturbations on the 18th-19th were due to the influence of the comet when the earth passed through its tail, we might expect the maximum effects to occur on the morning of the 19th and the character hence of the trace would have been quite different from the one now presented, as the maximum effect in the actual curve occurs about 12 hours earlier. If the tail of the comet passed the earth (if it did pass at all) later, that is about the 20th, as was very likely the case, it is obvious that no marked disturbance at all can be even suspected to be associated with it in the magnetic traces.

* The horizontal force traces only have, as usual, been examined, as the D. and V. traces at Bombay indicate very small perturbation effects even during the heaviest of storms.

† It will be seen from the investigations published in the Colaba Magnetic data, 1846-1905, which will be shortly issued, that the movements which lower the value of force indicating the demagnetisation of the earth, constitute the real disturbances, while the positive movements are in all probability merely the recuperative effects which tend to restore the equilibrium disturbed by the former.

Hourly values of horizontal force.

TABLE 4.

36000+ Unity = 1γ = ·00001 C.G.S.

Bombay civil hour.*	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean.
1910 May 12 . .	837	836	832	837	836	840	841	842	847	852	859	860	861	861	863	860	856	854	851	848	844	845	845	847	848
" " 13 . .	847	848	848	849	856	857	861	866	880	876	875	855	863	869	861	838	811	781	788	800	779	809	816	820	840
" " 14 . .	822	821	823	820	826	826	826	824	825	830	830	828	832	840	835	842	837	836	831	829	828	825	830	821	829
" " 15 . .	822	826	828	829	828	829	832	836	842	838	842	859	867	846	851	848	833	832	831	830	832	830	826	826	836
" " 16 . .	831	831	831	833	832	833	833	840	851	857	856	865	866	860	851	833	825	827	832	828	824	824	828	830	838
" " 17 . .	828	838	835	838	834	838	844	856	869	885	896	902	894	872	853	844	841	835	831	834	830	826	837	842	850
" " 18 . .	847	846	844	849	847	848	853	863	871	870	871	875	874	873	861	861	857	845	809	784	776	783	816	816	843
" " 19 . .	813	806	810	807	810	813	811	824	815	822	830	833	840	839	831	831	826	806	810	810	821	823	819	815	819
" " 20 . .	826	821	818	821	824	827	828	830	842	855	862	868	868	868	862	844	829	821	815	831	831	835	835	833	837
" " 21 . .	844	839	834	836	839	838	836	837	850	859	872	879	880	873	868	855	851	849	846	848	842	839	836	832	849
" " 22 . .	832	834	837	843	843	842	841	846	851	864	870	873	881	875	871	859	852	846	849	847	845	847	848	849	852
" " 23 . .	850	851	851	852	851	851	850	854	868	880	883	885	887	882	875	867	862	857	855	856	855	855	855	857	862
" " 24 . .	863	866	859	868	865	877	864	856	869	864	879	884	881	886	864	835	801	774	769	772	806	816	818	823	844
" " 25 . .	810	826	822	830	828	829	853	835	832	837	828	849	846	838	838	819	809	802	820	817	836	826	815	857	829
" " 26 . .	830	826	825	839	829	826	835	843	847	863	870	844	862	861	856	850	835	833	832	838	831	825	826	833	840
Average hourly values for the month.	835	835	835	836	837	838	839	842	849	856	861	864	864	860	854	846	837	833	830	830	829	831	833	834	842

Excess hourly values: Hourly values less the corresponding average hourly ordinates for the month, showing disturbances indicating decrease of force.

1910 May 13 . .	+12	+13	+13	+13	+19	+19	+22	+24	+31	+20	+14	−9	−1	+9	+7	−8	−26	−52	−42	−30	−50	−22	−17	−14	...
" " 14 . .	−13	−14	−12	−16	−11	−12	−13	−18	−24	−26	−31	−36	−32	−20	−19	−4	0	+3	...	...	...	...	...	...	...
" " 18 . .	+12	+11	+9	+13	+10	+10	+14	+21	+22	+14	+10	+11	+10	+13	+7	+15	+20	+12	−21	−46	−53	−48	−17	−18	...
" " 19 . .	−22	−29	−25	−29	−27	−25	−28	−18	−34	−34	−31	−31	−24	−21	−23	−15	−11	−27	−20	−20	−8	−8	−14	−19	...
" " 20 . .	−9	−14	−17	−15	−13	−11	−11	−12	−7	−1	+1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" " 24 . .	+28	+31	+24	+32	+28	+39	+25	+14	+20	+8	+18	+20	+17	+26	+10	−11	−36	−59	−61	−58	−23	−15	−15	−11	...
" " 25 . .	−25	−9	−13	−6	−9	−9	+14	−7	−17	−19	−33	−15	−18	−22	−16	−27	−28	−31	−10	−13	+7	−5	−18	+23	...
" " 26 . .	−5	−9	−10	+3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Transit of comet.

* The tabulations are made 9 minutes *before* the full local hour so as to make them comparable to those at Greenwich made at the full hour.

Seismic disturbances.

TABLE 5.

Date.	Commencement.		Maximum.		End.		Maximum amplitude.	Duration.	
	H.	M.	H.	M.	H.	M.	mm.	H.	M.
May 1st .	18	53·9	19	37·6	20	11·7	1·2	1	17·8
„ 13th .	8	40·1	8	58·0	9	37·3	0·3	0	57·2
„ 18th .	9	21·7	9	31·1	9	50·3	0·8	0	28·6
„ 22nd .	6	44·6	7	3·2	7	42·9	1·0	0	58·3

All times given above denote G. M. T.
Sensibility to tilt, 1 mm. = 0″·36.

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Bombay Observatory.

CALCUTTA OBSERVATORY.

6. *List of displacements recorded by the Milne seismograph.*

TABLE 6.

Date. 1910.	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 10th	14 24·4	...	...	14 36·6	0 12·2	...	Thickening of the line.
„ 10th	18 4 8	...	18 53·9	19 30·0	0 40·2	0·50	
„ 11th	15 59·5	...	...	16 6·6	0 7·1	...	Thickening of the line.
„ 13th	8 11·5	...	?*	9 45·1	1 33·6	?*	
„ 18th	9 20·3	9 37·6	9 40·7	10 0·0	0 39·7	1·25	
„ 22nd	6 34·9	6 41·5	6 42·0	7 51·7	1 16·8	1·00	
„ 24th	18 57·4	...	...	19 36·6	0 39·2	...	Thickening of the line.

Sensibility 1 mm. = 0″·38 of tilt.
* As the paper was changed at the time of displacement the time and amplitude of maximum cannot be given.

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SIMLA OBSERVATORY.

7. *List of earthquakes recorded by the Omori-Ewing seismographs.*

TABLE 7.

Date.	Beginning of 1st P. T.	Beginning of 2nd P. T.	Beginning of L. W.	Time of maximum amplitude.	End approximately.	Duration.	Maximum displacement of style.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
1st A	...	...	...	...	...	...	Small.*	Tremors 18¾ hrs. to 21 hrs.
„ B	...	...	...	...	...	...	„	Tremors 19 hrs. to 20 hrs.
11th A	15 52·9	...	15 54·4	15 54·6	16 4·2	0 11·3	?	
„ B	15 52·5	15 53·9	15 54·2	15 54·5	16 7·7	0 15·2	2·2	From about 350 miles.
13th A	7 50·9	8 20·7	8 54·6	8 54·6	10 44·4	2 53	0·5	Very distant. From neighbourhood of Antipodes.
„ B	8 10·6	8 20·5	8 49·0	8 52·1	9 12·7	1 2	0·3	
15th A	16 15·0	16 17·6	16 23·1	16 23·2	16 50·4	0 35	0·5	From about 2,000 miles.
„ B	16 23·3	...	...	16 24·0	16 25·0	0 1·7	Small.*	
16th A	?	?	?	?	?	0 2·6	„	Local followed by tremors.
„ B	0 5·5	...	0 5·6	0 5·6	0 7·7	0 2·2	Small.*	
22nd A	6 34·0	6 41·8	6 52·0	6 56·7	7 35	1 1	3·0	
„ B	6 33·7	6 41·6	6 51·5	6 55·6	7 17	0 44	1·1	From about 4,000 miles.
25th A	...	...	...	...	...	...	Small.*	Tremors 15½ hrs. to 20 hrs.

All times are given in G. M. T.
A = E—W component.
B = N—S component.
Magnification of each instrument was 15.
* Displacements less than 0·2 mm. are reported as "small."

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

TABLE 8.

Place at which felt.	Date.	G. M. T. of earthquake.		Duration.	Intensity.	No. of shocks.	REMARKS.
		H.	M.	Sec.			
Drosh . . .	11th	15	45	15	3	Several	
Landikotal . .	„	15	50	30	...	...	
Chitral . . .	„	15	52	30	4	3	
Khushab . . .	„	15	55	7	5	2	
Cherat . . .	„	15	55	3	4	1	
Murree . . .	„	15	56	4	3	1	
Kyelang . . .	„	17	31	2	2	2	
Drosh . . .	12th	13	30	2	1	1	
Chitral . . .	„	13	39	18	4	1	
Chaman . . .	19th	2	20	5	2	3	

Place at which felt.	Date.	G. M. T. of earthquake.		Duration.	Intensity.	No. of shocks.	REMARKS.
		H.	M.	Sec.			
Drosh . . .	22nd	6	40	...	2	...	
Chitral . . .	"	6	51	13	6	1	
Drosh . . .	23rd	3	10	1	2	1	
Leh	26th	5	45	...	...	...	
Chitral . . .	"	18	25	15	6	2	
Leh	28th	8	20	3	...	...	

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	1·49
Minimum	1·07
Mean	1·32
Number of days of observation . . .	18

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Weather in the Indian monsoon region.

8. Barometric pressure was normal at Seychelles, and in slight excess at Zanzibar. Winds were normal as regards direction, but their velocity was considerably higher than usual at Seychelles. Rainfall was above the average in both places.

TABLE 9.

—	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.		+·017	—·002
Actual mean wind direction .		S 3° W	S 42° E
Normal mean wind direction .		S 5° E	S 43° E
Actual mean wind velocity (miles per diem).		205	230
Normal mean wind velocity (miles per diem).		194	165
Rainfall departure from normal.		+1·38	+1·53

Depressions and cyclonic storms.

9. Several depressions were recorded in north-west India but were without exception very feebly marked, and produced comparatively little precipitation.

Over the sea area also weather was remarkably quiet. Pressure was, as usual low, in front of the advance of the monsoon over the Bay in the last week, but the low pressure conditions failed to develop into a disturbance of any magnitude.

Pressure.

10. In the month under review, for the first time since September, 1909, the geographical mean of pressure over the Indian region ranged above the normal. This change in the general pressure conditions over India is shown below :—

TABLE 10.

MONTH.	Departure from normal of mean 8 hrs. pressure over India.
	"
September, 1909	—·015
October "	—·022
November "	—·018
December "	—·008
January, 1910	—·038
February "	—·040
March "	—·022
April "	—·008
May "	+·013

The only areas where a defect was maintained were Burma, a portion of the United Provinces, Chota Nagpur, the east of Central India and the North-West Frontier Province. The excess was greatest in Bombay where it amounted to ·04″, but it exceeded ·02″ also in lower Sind, the Central Provinces and Mysore, and was only slightly below that amount in Madras : it was almost evanescent in Bengal and the United Provinces, averaging only ·002″ :—

TABLE 11.

DIVISION.	Departure from normal of mean 8 hrs. pressure.
	"
Burma	—·005
Eastern Bengal and Assam	+·013
Bengal	+·002
United Provinces	+·002
Punjab	+·005
North-West Frontier Province	—·008

DIVISION.	Departure from normal of mean 8 hrs. pressure.
	"
Sind	+·020
Rajputana	+·012
Bombay	+·038
Central India	+·011
Central Provinces	+·022
Hyderabad	+·015
Mysore	+·026
Madras	+·018

As temperature was almost identical with the normal throughout the country it is evident that the high density of the air at the earth's surface was not a mere temperature effect.

The vertical gradient was very weak in the north, an indication that the winter actions which were in operation in April had passed away. Pressure was on the other hand in defect at the level of Darjeeling and Kodaikanal:—

TABLE 12.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference. B—A.
	"		"	"
Quetta	+·026	Jacobabad	—·003	—·029
Leh	+·019	Lahore	—·002	—·021
Murree	—·001	Peshawar	—·005	—·004
Simla	+·021	Ludhiana	0	—·021
Chakrata	+·011	Roorkee	+·009	—·002
Darjeeling	—·020	Jalpaiguri	+·009	+·029
Mount Abu	+·020	Deesa	+·035	+·015
Pachmarhi	+·032	Khandwa	+·028	—·004
Kodaikanal	—·003	Madura	+·036	+·039

Temperature.

11. Considerable oscillations of temperature were recorded during the month. Thus in the greater part of northern India weather was much cooler than usual during the first week, but was distinctly hot from the 13th to the 16th, and again from the 20th to the 26th. In the peninsula also the changes were of a similar character though less marked. The opposite phases of the oscillations were mutually compensatory, with the result that the monthly values of temperature corresponded closely with the normal, the mean departures being less than 1° in amount in thirteen of the fourteen larger divisions. In the mountain zone bordering upper India temperature did not depart appreciably from the normal, thus indicating the absence of any marked abnormal snowfall influence.

The highest temperatures of the month in most parts of northern India were observed during the last ten days, and at some stations surpassed those previously recorded in May. At Jacobabad, usually the hottest place in India, the thermometer rose on the afternoon of the 29th to 125°; the highest temperature recorded there in May previous to this year has been 124°.

A most striking feature of the meteorology of the month in northern India was the rapid transition from the low temperature conditions of the first week to the excessive heat of the fourth week; the change was as much as 15° in the case of the Punjab, the North-West Frontier Province, Kashmir and Baluchistan, and was due apparently to the unusual freedom from dust of the atmosphere: ordinarily the maximum intensity of the hot weather is reached after a prolonged heating extending over several weeks in April and May.

TABLE 13.

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	88·7	78·9	83·8	9·7	26·9	+0·3	—0·3	+0·6
2. Lower Burma	89·5	76·3	82·9	13·2	24·5	—1·0	—0·5	—0·5
3. Upper do.	95·3	74·5	84·9	20·7	36·3	0	—0·7	+0·7
4. Assam	86·8	71·9	79·4	14·9	30·9	—0·3	—0·4	+0·1
5. Eastern Bengal	91·0	74·1	82·5	16·9	30·2	+0·4	—0·7	+1·1
6. Bengal	97·8	77·5	87·6	20·3	35·1	+0·4	—0·3	+0·7
7. Orissa	99·0	79·4	89·2	19·6	34·8	+0·5	—0·5	+1·0
8. Chota Nagpur	103·0	76·9	90·0	26·0	43·1	0	—0·9	+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.
	°	°	°	°	°	°	°	°
9. Bihar	100·5	77·1	88·8	23·4	39·1	+0·5	0	+0·5
10. United Provinces, East	104·7	77·3	91·0	27·5	45·9	+0·1	—1·4	+1·5
11. Do. do., West	104·6	77·3	91·0	27·3	46·3	+0·7	—0·2	+0·9
12. Punjab, East and North	104·2	75·3	89·8	28·8	48·7	+0·1	0	+0·1
13. Do., Southwest	107·0	78·5	92·8	28·5	52·1	+0·4	+0·7	—0·3
14. Kashmir	72·2	48·2	60·2	24·0	49·7	+0·5	—0·9	+1·4
15. North-West Frontier Province	100·7	72·5	86·7	28·2	50·8	—0·7	+0·1	—0·8
16. Baluchistan	92·2	63·4	77·8	28·8	55·8	—0·3	—1·7	+1·4
17. Sind	101·8	78·0	89·9	23·8	35·8	—0·8	—0·3	—0·5
18. Rajputana, West	107·0	80·3	93·7	26·7	42·1	—0·1	—1·3	+1·2
19. Do., East	105·8	80·6	93·2	25·2	41·4	+0·7	—0·5	+1·2
20. Gujarat	98·6	76·8	87·7	21·9	30·3	—1·1	—1·2	+0·1
21. Central India, West	101·7	76·7	89·2	25·1	36·3	—1·7	+0·2	—1·9
22. Do., East	107·5	80·0	93·7	27·5	41·1	+1·1	+0·5	+0·6
23. Berar	105·5	79·5	92·5	26·0	37·0	+0·1	+0·1	0
24. Central Provinces, West	106·5	79·3	92·9	27·3	39·2	0	+0·8	—0·8
25. Do., East	104·9	80·3	92·7	24·5	39·7	—0·1	+0·3	—0·4
26. Konkan	89·5	79·8	84·6	9·7	15·4	—0·8	—0·6	—0·2
27. Bombay Deccan	101·1	73·5	87·3	27·7	37·5	+1·0	+0·4	+0·6
28. Hyderabad, North	104·5	77·1	90·9	27·5	40·4	+2·3	+0·7	+1·6
29. Do., South	105·3	81·1	93·2	24·2	38·4	+1·1	+1·5	—0·4
30. Mysore	91·8	69·6	80·7	22·2	30·4	+0·6	+0·5	+0·1
31. Malabar	89·3	77·5	83·4	11·9	19·5	0	+0·2	—0·2
32. Madras, Southeast	100·1	79·4	89·8	20·7	30·9	+1·4	+0·6	+0·8
33. Do. Deccan	105·4	79·8	92·6	25·6	37·1	+0·9	—0·9	+1·8
34. Do. Coast, North	98·2	81·6	89·9	16·7	30·3	+1·7	—0·1	+1·8

TABLE 14.

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

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

Winds.

12. (*a*) Over the greater part of the plains of northern and central India winds were steadier than usual from the normal directions; the rate of movement varied however rather irregularly from the normal, being higher than the average in Rajputana and the Central Provinces, appreciably low in the North-West Frontier Province and Eastern Bengal and Assam, and about normal elsewhere.

(*b*) In the peninsula winds did not differ greatly from those usual at the time of year.

(*c*) In Burma the air movement was of about the normal character, except that the directions at Diamond Island and Bassein showed an abnormal preponderance of northerly elements, or a deficiency of southerly components.

TABLE 15.

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

Humidity and cloud.

13. In most places there was a deficiency both of absolute and relative humidity, but it was not marked.

The distribution of cloud coincided roughly with that of humidity over by far the greater part of the country.

TABLE 16.

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	81	0	·842	—·016	5·9	—0·1
Eastern Bengal and Assam	83	—3	·830	—·035	5·2	—0·7
Bengal	67	—2	·784	—·034	2·8	—0·6
United Provinces	45	—1	·578	—·008	1·6	0
Punjab	36	—5	·460	—·054	1·0	—0·6
North-West Frontier Province.	47	+1	·563	+·017	1·7	+0·2
Sind	64	—1	·770	—·023	1·7	—0·1
Rajputana	37	—3	·506	—·055	0·8	—0·5
Bombay	63	—2	·720	—·036	2·5	—0·5
Central India	42	0	·523	—·035	2·1	+1·0
Central Provinces	33	—6	·442	—·083	2·1	+0·1
Hyderabad	43	—7	·549	—·063	2·3	—0·7
Mysore	75	+1	·666	+·007	4·2	—1·0
Madras	69	—1	·851	—·001	4·2	—0·5

Rainfall.

14. May, unlike April, was less disturbed than usual, and the mean rainfall of the whole country was 7 per cent. short of the normal.

In Burma there was an almost complete absence of the usual indraught of moist air from the Bay until the middle of the month after which rainfall occurred daily, being on the whole most general and heaviest during the last four days when an advance of the monsoon took place over the Bay. In northeast India rainfall was of almost daily occurrence but except on the last three or four days of the month, when it was due to monsoon action and therefore widespread, it was restricted chiefly to Eastern Bengal and Assam. Over north-west India, as is usually the case, depressions appeared at intervals, but they were very feeble and resulted in comparatively few of the duststorms and thunderstorms which constitute the chief source of precipitation in the hot season. In the peninsula also the weather was quiet throughout, and there were no temporary irruptions of monsoon winds on the west coast such as occur there during May in most years.

The total measurements of rainfall failed to reach their normal values except locally in Burma, the United

Provinces, Central India East, Hyderabad North and Mysore. The deficiency was largest in absolute amount in the Bay Islands, where it averaged nearly 7½″, and by percentage comparison with the normal in Gujarat, Central India West and Rajputana West, which were almost rainless.

TABLE 17.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal
				″	″	
1. Bay Islands	8·0	16·1	6·12	13·52	−7·40	−55
2. Lower Burma	12·3	13·6	16·27	12·68	+3·59	+ 28
3. Upper do.	7·9	8·2	7·16	5·88	+1·28	+ 22
4. Assam	14·2	14·8	9·85	13·51	−3·66	− 27
5. Eastern Bengal	10·3	10·5	8·92	9·83	−0·91	− 9
6. Bengal	6·8	7·3	4·82	5·45	−0·63	− 12
7. Orissa	5·1	4·9	2·57	3·46	−0·89	− 26
8. Chota Nagpur	3·5	3·8	1·77	2·30	−0·53	− 23
9. Bihar	2·9	3·4	1·90	2·32	−0·42	− 18
10. United Provinces, East	1·8	1·3	0·92	0·67	+0·25	+ 37
11. Do., West	1·3	1·4	0·58	0·60	−0·02	− 3
12. Punjab, East and North	0·4	1·5	0·12	0·65	−0·53	− 82
13. Do., Southwest	0·3	0·9	0·09	0·41	−0·32	− 78
14. Kashmir	3·1	3·7	1·13	1·67	−0·54	− 32
15. North-West Frontier Province	1·1	1·6	0·50	0·70	−0·20	− 29
16. Baluchistan	0·4	0·5	0·09	0·18	−0·09	− 50
17. Sind	0·1	0·3	0·03	0·10	−0·07	− 70
18. Rajputana, West	0·1	0·7	0·01	0·31	−0·30	− 97
19. Do., East	0·3	1·1	0·09	0·43	−0·34	− 79
20. Gujarat	0	0·4	0·01	0·23	−0·22	− 96
21. Central India, West	0·1	0·6	0·02	0·27	−0·25	− 93
22. Do., East	1·6	0·9	0·58	0·37	+0·21	+ 57
23. Berar	0·8	0·8	0·29	0·42	−0·13	− 31
24. Central Provinces, West	0·6	0·8	0·23	0·37	−0·14	− 38
25. Do., East	1·2	1·4	0·42	0·72	−0·30	− 42
26. Konkan	0·5	1·8	0·35	1·47	−1·12	− 76
27. Bombay Deccan	1·6	2·4	0·83	1·34	−0·51	− 38
28. Hyderabad, North	1·2	1·5	0·69	0·68	+0·01	+ 1
29. Do., South	2·3	1·9	0·65	0·99	−0·34	− 34
30. Mysore	5·6	5·4	3·59	3·39	+0·20	+ 6
31. Malabar	6·4	8·2	4·87	7·11	−2·24	− 32
32. Madras, Southeast	2·9	3·8	2·02	2·79	−0·77	− 28
33. Do. Deccan	3·2	3·0	1·53	1·72	−0·19	− 11
34. Do. Coast, North	2·0	3·2	0·95	2·20	−1·25	− 57

TABLE 18.

DIVISION.	RAINFALL.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	11·33	8·99	+2·34	+ 26
Eastern Bengal and Assam	9·40	11·70	—2·30	— 20
Bengal	2·94	3·44	—0·50	— 15
United Provinces	0·76	0·64	+0·12	+ 19
Punjab	0·11	0·60	—0·49	— 82
North-West Frontier Province	0·50	0·70	—0·20	— 29
Sind	0·03	0·10	—0·07	— 70
Rajputana	0·07	0·40	—0·33	— 83
Bombay	0·48	1·01	—0·53	— 52
Central India	0·21	0·30	—0·09	— 30
Central Provinces	0·29	0·46	—0·17	— 37
Hyderabad	0·66	0·85	—0·19	— 22
Mysore	3·59	3·39	+0·20	+ 6
Madras	1·89	2·87	—0·98	— 34
Mean of India when the size of the above areas is taken into account	2·68	2·87	—0·19	— 7

Snowfall.

I.—AFGHANISTAN.

15. There was a fall on the 4th on the Kila Kazi hills, about 12 miles northwest of Kabul. The snowfall in north Afghanistan is said to have been heavier than last year.

II.—NORTH-WEST FRONTIER PROVINCE.

(*a*) *Wano.*—The weather was generally clear, bright and hot throughout south Waziristan.

(*b*) *Miranshah* (*Tochi Valley*).—Cloud was constantly present but no snowfall occurred.

(*c*) *Dera Ismail Khan.*—Snow is reported to have fallen to a depth of 15 feet on the Takht-i-Suleiman and 23 feet on the Ubashta.

(*d*) *Kurram.*—No snow fell. At Parachinar 2·70″ of rain were recorded. The accumulations on the Sufed Koh were greater than usual at the end of May.

(*e*) *Kohat.*—There was no snowfall on the hills bordering this district, but a series of hailstorms occurred from the 3rd to the 11th and after this the weather became settled, being abnormally hot from the 19th onwards.

(*f*) *Chitral.*—No snowfall occurred. At the end of the month a thin covering of snow remained on the western hills at a level of 8,000 or 9,000 feet. The depth of unmelted snow on the Lowarai pass on the 15th of the month was reported as 12 feet.

(*g*) *Drosh.*—No snow fell.

(*h*) *Khyber.*—No snow fell, but 2·90″ of rain were recorded.

(*i*) *Malakand.*—Snowstorms occurred on the Lowarai and adjacent hills on the 4th and 9th giving 2½ feet of snow.

(*j*) *Hazara.*—Weather was disturbed but no snowfall occurred.

III.—KASHMIR.

No snow fell in and around Srinagar, nor at Sonemarg. Storms caused about two feet of snow on the mountains near Dras and three feet on those around Kargil. Two falls were recorded at Dras itself. On the hills near Skardu there were seven falls resulting altogether in six to twelve inches of snow. At the end of the month there was no snow lying in the grounds of the reporting stations, but a good deal remained on the higher passes and hills.

In Leh no falls occurred and the accumulations on the Karsing were melting away fast.

IV.—PUNJAB.

(*a*) *Murree.*—No snow fell in these hills.

(*b*) *Chamba.*—Snowfall was restricted to the high peaks over 10,000 feet in elevation, and here the unmelted residue measured two feet or upwards in depth in the beginning of June.

(*c*) *Kangra.*—Occasional snow is believed to have fallen on the higher mountains during the first half of the month both in the Kulu and Saraj tahsils, but it did not lie for any length of time. The passes into Lahoul and Spiti were late in opening.

The statement below gives the reported depth of accumulation on the various passes on the 25th of the month with the corresponding average data :—

TABLE 19.

KULU TAHSIL.			SARAJ TAHSIL.		
Name of pass.	Reported.	Normal.	Name of pass.	Reported.	Normal.
Hamta	5 feet	3½ feet	Sirikhand	12 feet	7½ feet
Rohtang	5 "	8 "	Chul	0	0
Barsai	1 foot	2 "	Maghin	0	0
Chandar khani	0	4 "	Dundku	0	½ foot
Boja Dhar	½ foot	2 "	Tikkar	0	0

KULU TAHSIL.			SARAJ TAHSIL.		
Name of pass.	Reported.	Normal.	Name of pass.	Reported	Normal.
Lohri Achhri .	0	2½ feet	Ramgarh . .	0	0
Sari . . .	2 feet	1½ „	Nuhnon . .	0	0
Bhubu . .	0	½ foot	Raghopur .	0	0
Bastari . .	0	0	Jalori . .	½ foot	0
Majhang . .	0	0	Lambri . .	0	0
			Sakiran . .	0	0
			Gargarasan .	2 feet	2 feet.
			Supakun . .	0	0
			Bashleo . .	½ foot	0
			Placha . .	3 feet	½ foot.
			Tirath . .	2 „	2 feet.

(*d*) *Kailang.*—A fall of 2″ was recorded on the 10th.

(*e*) *Kilba* (*Simla hills*).—There were nine falls in the upper valley during the first half of the month and one near its close; the lowest descent was 8,500 feet, and here the total quantity received was only 1½″.

TABLE 20.

Name of pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Shatul pass	3 feet	5½ feet.
Brua „	2 „	9 „
Rupin „	4 „	9 „
Harang „	½ foot	3 „
Buldar „	2 feet	11 „

V.—UNITED PROVINCES.

(*a*) *Garhwal.*—Weather was generally hot and dry during the first three weeks; snowfall occurred subsequently on the higher hills but was not heavy.

(*b*) *Almora.*—The aggregate fall measured 3 to 4 feet in depth on the Lampia, Lipulekh and Binkaru passes, 1¾ feet on the Pindari and Kaphini, 1 foot on the Untadhura and six inches on the Ralamdhura. Weather was on the whole mild and warm.

VI.—SIKKIM.

Gyantse.—Slight falls were recorded on the 9th, 10th and 24th.

Summary

16. So far as the evidence goes there does not appear to have been any heavy widespread snowfall, and the accumulations at the end of the month were nowhere excessive, except perhaps in parts of the Afghan hills.

Snowfall Reports for previous months.

PERSIA.

Meshed (*Khorasan*).—

Date of snowfall.	Amount.
	Inches.
15th December, 1909	7
11th January, 1910	1
12th „ „	6
19th „ „	½
23rd February, „	3
13th March, „	2
15th „ „	1
17th „ „	4

BALUCHISTAN.

Chagai District.—On the 13th of January there was a remarkable fall of 3 to 12 inches over a large stretch of country extending from the valley of the Helmand to the Kharan hills on the south and to Nushki on the east.

It is also reported that on the double peak of the Koh-i Daftan situated on the Persian *sarhad* (border) the snowfall was larger in amount than usual.

Ziarat.—The following measurements were recorded at this place which is 8,300 feet high.

Date.	Depth of snow.	
	Feet.	Inches.
28th November, 1909	0	10
1st December, „	1	4
17th „ „	3	9
6th January, 1910	0	9
3rd February, „	0	3
22nd March, „	0	6

By the end of March the accumulations had disappeared except from a few shady situations.

About three feet of snow is reported to have fallen on the Khalifat mountain and on the Zarghoon Ghar. In the beginning of June only a little snow remained unmelted near the summits.

Kalat State.—

Date.	Locality.	Depth of snow.
12th January, 1910 .	Panjgur in Mekran as far as Las Bela.	About 1 foot.
13th & 14th „ „ .	All parts of Kharan, Mastung, Kalat and Kirdagap.	2½ feet.
„ „ „ .	Dasht	Over 3 feet.

Besides the above there was a slight snowfall in Mastung and its neighbourhood on two or three occasions at the end of December, 1909 and in the beginning of January, 1910.

NORTH-WEST FRONTIER PROVINCE.

Chitral.—The following information has been provided by the observer in charge of the Chitral observatory:—

Date.	Depth in the grounds of the observatory.	Approximate depth on surrounding hills.
12th December, 1909	3 inches	Not known.
13th „ „	7 „	2 feet.
24th „ „	Very slight, melted away at once.	2 inches.
12th January, 1910	6 inches	Not known.
13th „ „	5 feet	15 feet.
20th „ „	4 inches	10 inches.
3rd February, „	4 „	7 „
8th „ „	slight	1 foot.
12th „ „	„	2 feet.
22nd „ „	„	6 inches.
23rd „ „	„	6 „
24th „ „	„	6 „
4th March, 1910	„	1 foot.
5th „ „	„	8 inches.
3rd April, 1910	„	1½ feet.
7th „ „	„	1 foot.
9th „ „	„	2 feet.

SIKKIM.

Station.	Date of snowfall.	Amount.
Gangtok . . .	.....	*Nil*
Yatung . . .	20th December, 1909 . . .	2 inches.
„ . . .	21st „ „ . . .	1 inch.
„ . . .	26th „ „ . . .	1½ inches.
„ . . .	27th „ „ . . .	1½ „
„ . . .	6th January, 1910 . . .	1 inch.
„ . . .	10th „ „ . . .	2 inches.
Yatung . . .	19th January 1910 . . .	2½ inches.
„ . . .	15th February, „ . . .	1 inch.
„ . . .	19th „ „ . . .	5 inches.
„ . . .	20th „ „ . . .	2½ „
„ . . .	21st „ „ . . .	3 „
„ . . .	27th „ „ . . .	2 „
„ . . .	5th March, „ . . .	2½ „
„ . . .	10th „ „ . . .	6 „
„ . . .	13th „ „ . . .	3 „
„ . . .	13th April, „ . . .	2 „
„ . . .	18th „ „ . . .	1 inch.
„ . . .	1st May, „ . . .	2 inches.
Gyantse . . .	18th and 25 th April, 1910 . .	about 1 inch all together.

ASSAM.

Darrang.—The total winter snowfall is said to have been somewhat below the average.

Lakhimpur.—(*Report for the period 1st April, 1909 to 31st March, 1910*).—As in previous years snowstorms were frequent on the Topu, Bidow, Boa Boga, the interior Gassi Miri hills, and gave a total fall of some 3 to 4 feet of snow. None of the falls however extended to the level of the villages in the valley.

By the beginning of April the accumulations had all disappeared.

Sadiya.—(*Report for the period June, 1909 to April, 1910*).—(1) All the hills visible from Sadiya had lost traces of snow by August, 1909.

(2) Between the 12th and 20th November, 1909, snow first fell on the peaks round Sadiya in Lat. 28½° and Long. 96° and descended to about 14,000 feet. During this period however the snow did not extend to the peaks more to the west, nor were there any signs of snow having fallen on the Khamti range in about Lat. 27½° and Long. 96½°.

(3) On the 21st and 22nd November snow fell again in the area mentioned in (2), the fall extending further south and east. Slight snow was visible on this occasion at 13,000 feet. This fall did not extend to the Khamti range.

(4) During the 25th and 26th November, 1909, the first heavy fall seems to have occurred. The storm extended over all the hills to the north and east of Sadiya, and also reached the Khamti range. Snow descended during this period to 11, 000 feet.

(5) At the end of December and during January, 1910 there were constant falls of snow, in some cases descending as low as 6,000 or 7,000 feet in the hill to the east of Long. 97°.

(6) During the latter half of February heavy snow fell round Sadiya, descending to 6,000 or 7,000 feet.

(7) At the end of March snow fell again down to 10,000 or 11,000 feet.

HEMRAJ.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 34 stations in India, etc., in May, 1910.

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. Mean of 10 hrs.	Pressure. Mean of 16 hrs.	Pressure. Mean daily range.	Pressure. Mean of daily mean pressures.	Pressure. Departure from normal.	Pressure. Mean reduced to sea-level and gravity, 45° Lat.	Temperature of air. Mean maximum.	Temperature of air. Mean minimum.	Temperature of air. Mean daily range.	Temperature of air. Highest maximum.	Temperature of air. Lowest minimum.	Temperature of air. Absolute range.	Temperature of air. Mean 10 hrs.	Temperature of air. Mean 16 hrs.	Temperature of air. Mean of daily means.	Temperature of air. Departure from normal.	Temperature, wet-bulb. Mean minimum.	Temperature, wet-bulb. Mean 10 hrs.	Temperature, wet-bulb. Mean 16 hrs.	Temperature, wet-bulb. 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	2
	I.—Burma.																					
2	Rangoon . .	18	29·822	29·703	·119	29·767	—·011	29·722	90·9	76·7	14·2	101·7	71·9	29·8	84·9	87·5	81·4	—0·8	74·6	77·8	77·3	7
	III.—Bengal.																					
6	Calcutta . .	21	·715	·588	·127	·653	—·008	·620	96·8	77·9	18·9	101·7	71·2	30·5	89·9	93·3	87·0	+1·3	74·6	80·8	80·7	7
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad . .	309	·380	·253	·127	·313	—·001	·564	106·9	79·1	27·8	113·1	70·5	42·6	98·0	105·3	92·2	—0·3	65·6	71·3	72·0	6
11	Dehra Dun . .	2,233	27·487	27·395	·092	27·435	—·026	·555	97·6	70·2	27·4	104·5	57·4	47·1	89·0	94·3	82·7	+1·1	59·6	66·9	67·4	6
	V.—Punjab.																					
12	Lahore . . .	702	28·948	28·859	·089	28·897	—·008	·540	106·4	75·3	31·1	117·4	65·1	52·3	96·6	104·6	90·5	+1·6	64·6	72·7	74·6	7
	VIII.—Rajputana.																					
19	Jaipur . . .	1,431	·308	·194	·114	·246	+·002	·577	107·8	78·6	29·2	114·2	70·1	44·1	97·3	105·9	93·1	+1·5	63·9	71·8	72·6	6
	Udaipur . .	1,925	27·871	27·775	·096	27·822		·626	102·1	78·4	23·7	106·3	67·5	38·8	95·1	100·6	89·8		65·3	71·0	73·5	6
	IX.—Bombay.																					
26	Bombay . .	37	29·868	29·762	·106	29·814	+·040	·790	91·3	80·2	11·1	92·7	77·4	15·3	85·8	87·4	84·7	+0·1	76·4	78·4	78·9	7
	XI.—Central Provinces.																					
24	Nagpur . .	1,017	28·737	28·592†	·145	28·667	+·021	·601†	109·0	82·0	27·0	113·2	64·8	48·4	99·1	101·6	94·4	—0·1	65·0	72·3	72·7†	70
	XII.—Hyderabad.																					
29	Hyderabad . .	1,690	·125	27·997	·128	·062	+·011	·634	104·5	80·9	23·6	109·8	73·0	36·8	94·6	101·2	91·6	+1·5	66·7	71·5	71·7	70
	XIII.—Mysore.																					
30	Bangalore . .	3,021	26·925	26·803	·122	26·871	+·028	·719	94·1	69·6	24·5	97·8	64·9	32·9	83·2	90·8	80·1	+1·6	65·4	70·8	69·7	68
	Mysore . . .	2,518	27·416	27·292	·124	27·361	+·020	·760	90·3	69·6	20·7	92·9	65·5	27·4	81·4	86·6	78·2	—1·0	67·3	72·7	73·5	71
	XIV—Madras.																					
32	Pudukkottai .	318	29·540	29·397	·143	29·469		·710	102·2	79·7	22·5	105·6	68·8	36·8	91·7	94·6	90·9		74·6	79·5	82·2	78
	Madras . .	22	·795	·673	·122	·742	+·009	·696	100·7	81·6	19·1	112·9	77·6	35·3	95·7	91·1	90·0	+1·3	75·7	79·6	80·0	78
	Bay Islands.																					
1	Port Blair . .	58	·822	·733	·089	·777	+·011	·765	88·9	78·0	10·9	91·8	70·0	21·8	86·0	86·2	82·3	—0·3	75·6	79·4	79·1	78
	Kashmir.																					
14	Srinagar . .	5,204	24·841	24·759	·082	24·802	—·012	24·773	77·4	53·3	24·1	90·4	43·5	46·9	67·0	75·4	64·8	+0·9	50·0	62·5	69·9	60
	Leh . . .	11,503	19·736	19·652	·084	19·701	+·007	19·669	67·2	37·2	30·0	78·9	27·6	51·3	56·6	63·4	51·6	+1·8	31·0	41·3	44·9	39
	Baluchistan.																					
16	Quetta . .	5,502	24·615	24·540	·075	24·568	+·014	24·529	86·1	51·7	34·4	96·7	43·1	53·6	78·8	84·4	69·0	+1·0	47·0	56·1	57·9	53

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.

24 stations in India, etc., in May, 1910.

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 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	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.	
·859	·805	·846	−·044	90	73	65	80	− 3	7·0	8·1	7·5	+0·4	7	1	3	1	1	19	17	11	2	S 38° W	S 21° W	55	59	40	110	26·16	5·48	Rangoon . .	2
																														III.—Bengal.	
·930	·881	·887	+·004	85	66	57	73	− 2	4·2	4·0	4·1	−0·2			4	4	12	14	21	4	3	S 10° W	S 9° W	53	67	165*	168	4·80	1·81	Calcutta . .	6
																														IV.—United Provinces of Agra and Oudh.	
·415	·347	·421	−·100	47	25	16	31	− 8	2·2	1·8	2·0	+0·4	4	9	9	11	1	1	2	9	16	N 9° W	N 6° W	12	24	116	163	0·64	0·33	Allahabad. .	10
·388	·338	·373	−·030	52	29	21	36	− 5	2·1	3·0	2·5	−0·2	4	2	3	1	2	10	7	24	5	S 73° W	S 79° W	50	24	†* 67	53	1·16	0·88	Dehra Dun § .	11
																														V.—Punjab.	
·486	·460	·483	+·029	54	29	21	35	− 1	1·0	1·0	1·0	−1·2	5	8	5	8	11	1		10	14	N 3° W	N 12° E	21	18	87	77	0·08	0·07	Lahore . .	12
																														VIII.—Rajputana.	
·464	·389	·431	−·017	42	26	17	30	− 5	0·7	2·3	1·5	−0·8		3			1	2	4	27	25	S 74° W	N 72° W	77	48	181*	151	0·06	0·06	Jaipur . .	19
·469	·493	·477		48	28	25	34		1·1	1·3	1·2			3	1			3	13	37	5	S 84° W		76		182		0	0	Udaipur.	
																														IX.—Bombay.	
·867	·866	·875	−·014	83	70	67	76	0	2·7	1·9	2·3	−0·3						2	6	37	17	N 84° W	N 83° W	87	71	221*	242	0·03	0·02	Bombay . .	26
																														XI.—Central Provinces.	
·457	·396†	·406	−·025	39	25	19†	28	0	1·7	5·0	3·3	−0·5	1	11	3		5	5	8	20	8	N 80° W	N 48° W	42	41	190	192	1·39	0·95	Nagpur‡ . .	24
																														XII.—Hyderabad.	
·479	·403	·459	−·107	47	30	21	34	− 8	1·9	4·6	3·3	+0·1	7	1			5		5	12	32	N 64° W	N 64° W	61	43	123	154	0·46	0·20	Hyderabad .	29
																														XIII.—Mysore.	
·609	·480	·569	−·036	80	54	34	58	− 5	2·4	4·7	3·5		1	4	4	3	2	2	7	25	14	N 76° W	S 81° W	55	66	187	151	1·17	0·57	Bangalore . .	30
·697	·659	·679	+·053	89	65	53	71	+ 6	4·3	7·3	5·8	−0·3	1	1	4	2	3	2	19	24	6	S 75° W	S 84° W	58	60	189	245	4.72	1·23	Mysore.	
																														XIV.—Madras.	
·848	·891	·843		78	57	50	62		3·5	4·5	4·0		5				10	7	21	13	6	S 45° W		56		227		2·00	0·88	Pudukkottai.	32
·794	·867	·837	−·059	76	48	60	64	− 6	3·4	2·9	3·1	−0·6		1		2	28	12	6	10	3	S 9° E	S 9° E	54	66	215*	218	0·01	0·01	Madras.	
																														Bay Islands.	
·911	·899	·900	−·051	89	74	72	83	− 5	6·7	7·3	7·0	0	10	1			4	5	10	20	12	S 81° W	S 39° W	52	43	227	178	8·84	4·38	Port Blair .	1
																														Kashmir.	
·529	·689	·487	+·045	80	78	75	78‖	0	2·5	3·7	3·1	−0·9	26	5			8	6	2	3	12	N 87° W	N 30° E	11	6	49	103	0·88	0·27	Srinagar . .	14
·129	·139	·129	−·001	55	29	24	36	− 4	3·5	5·8	4·7	−1·3		4	7	1	5	9	16	17	3	S 59° W	S 72° W	39	31	98	77	0·03	0·03	Leh.	
																														Baluchistan.	
·214	·204	·225	−·049	73	23	18	38	− 3	0·7	2·7	1·7	−0·3	13	2	2		2		6	1	36	N 50° W	N 69° W	58	45	50	79	0·23	0·23	Quetta . .	16

* Uncorrected for scale error.

‡ Wind observations less 1.
§ " " " 4.

‖ Mean of three previous columns.

Table

Abstract of observations taken at 10 hrs. and 16 hrs. at 34 station

Number of subdivision.	Station.	Elevation of bar-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 sea-level 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-bulb. 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 . . .	7,232	23·103	23·059§	·044	23·072	+·017	23·034§	73·3	58·9	14·4	81·4	47·0	34·4	67·5	71·1	66·2	+0·2	48·7	52·6	54·3	51·[illegible]
	Sarain . . .		·122	·085	·037	·094		·057	72·7	50·0	22·7	80·2	41·2	39·0	65·4	70·2	61·5			51·7	54·7	
	Kalabagh . .		20·143	20·126	·017	20·126		20·087	54·1	42·1	12·0	61·0	30·7	30·3	48·7	52·3	48·2			40·9	44·3	
	Chakrata . .	7,022	23·275	23·228	·047	23·241	+·011	23·202	75·2	56·7	18·5	82·8	44·7	38·1	70·1	70·5	66·0	+0·4	48·5	55·9	56·1	53·[illegible]
	Muktesar . .	7,592	22·828	22·770	·058	22·790		22·748	74·4	51·1	20·3	82·9	46·0	36·9	66·9	69·5	64·3		45·7	53·3	54·6	51·[illegible]
	Katmandu . .	4,388	25·570	25·472	·098	25·517	†+·024	25·471	84·4	59·2	25·2	93·0	50·4	42·6	75·0	79·7	71·9	†+1·1	56·6	64·7	65·6	62·[illegible]
	Darjeeling . .	7,376	22·973	22·894	·079	22·929	—·033	22·884	64·3	51·7	12·6	69·1	44·0	25·1	59·2	60·5	58·1	—0·2	50·5	56·7	57·4	54·[illegible]
	Pachmarhi . .	3,528	26·403	26·316	·087	26·356	+·022	26·303	95·9	76·4	19·5	98·8	7·1	31·7	85·7	94·6	86·3	+1·1	59·2	64·7	66·3	62·[illegible]
	Mount Abu . .	3,945	·012	25·941	·071	25·973	+·015	25·923	87·3	70·5	16·8	91·7	63·6	28·1	80·8	85·2	79·0	—0·8	55·6	62·6	66·1	61·[illegible]
	Chikalda . .	3,642	·298	26·191	·107	26·242	+·012	26·186	94·9	72·0	22·9	97·7	68·5	29·2	84·0	92·8	83·6	-0·1	59·7	62·8	64·8	62·[illegible]
	Ootacamund .	*7,327*	23·081	23·009	·072	23·045		22·981	70·9	51·3	19·6	73·3	47·6	25·7	68·1	63·8	61·2		50·3	58·4	58·4	55·[illegible]
	Kodaikanal . .	7,688	22·849	22·781	·068	22·815		·750	69·0	54·9	14·1	74·1	51·9	22·2	66·3	61·3	62·0		50·4	57·5	57·7	55·[illegible]
	Dodabetta . .	8,539?	·102	·031	·071	·066		·004	66·1	51·8	14·3	68·7	46·7	22·0	63·1	58·9	59·0		46·9	55·1	55·4	52·[illegible]
	Extra India.																					
	Minicoy . .	7	29·927	29·879	·048	29·908		29·908														
	Zanzibar . .	72	30·033	·943	·090	·993	+·017	·992	81·5	74·6	6·9	85·3	71·4	13·9	78·6	80·4	76·9	—0·9	69·7	73·7	73·8	72·[illegible]
	Diego Garcia .									Observations not received.												
	Seychelles . .	15	29·978	·898	·080	·939	—·002†	·878	84·1	78·5	5·6	86·8	75·4	11·4	82·4	83·4	79·9	+0·4†	72·2	76·3	76·5	75·[illegible]
	Mauritius . .	181								Observations not received.												

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.

-concluded.

India, etc., in May, 1910—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 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	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.	
2 ·244	·249	·239	−·030	49	37	33	40	− 6	2·6	4·6	3·6	−0·3																0·61	0·29	Simla.	
·245	·271				40	38			3·0	5·3	4·1		12	1	9	2	3	9	14	7	5	S 44° W		23		90		2·83	0·87	Sarain.	
·192	·228				56	59			3·6	5·7	4·7		11	7	1	2	9	17	2	2	11	S 12° W		16		278		2·22	0·56	Kalabagh.	
0 ·299	·302	·281	+·013	58	42	42	47	− 1	2·3	4·0	3·1	−0·5	15	3			8	32	1		3	S 5° E	S 57° W	53	33	98	187	3·65	2·02	Chakrata.	
1 ·258	·276	·250		55	42	41	46		3·4	5·3	4·3		18		2	1	1		1	39		W		53		171		3·45	0·84	Muktesar.	
3 ·193	·171	·160	−·030	85	58	47	63	− 5	3·2	6·0	4·6	−0·6	1	3	2	26	1		1	28		N 12° W	S 89° W	5	39	38*	43	2·99	0·69	Katmandu.	
6 ·436	·442	·405	+·002	86	86	84	85	− 2	8·8	8·8	8·8	+1·4	31		2	1	1		2	21	4	N 85° W	S 78° W	35	36	58	163	5·81	1·05	Darjeeling.	
6 ·359	·326	·326	−·037	33	31	20	28	− 5	0·4	1·1	0·7	−2·3			1		2		7	24	23	N 73° W	N 66° W	79	58	294	180	0·01	0·01	Pachmarhi.	
7 ·361	·422	·345	0	37	35	35	36	0	0·7	1·5	1·1	−0·1		2				5	32	13	10	S 57° W	S 66° W	75	70	298	259	0	0	Mount Abu.	
1 ·326	·284	·319	−·047	47	28	19	31	− 3	3·9	4·8	4·3	+1·3																0·29	0·21	Chikalda.	
5 ·386	·431	·388		94	58	74	75		4·1	8·3	6·2		3	5	13	17	13	4		3	4	N 83° E		48		81		6·40	1·43	Ootacamund.	
2 ·388	·442	·384		75	60	82	72		3·4	8·1	5·7			11	15	9	16	4		2	5	N 69° E		43		225*		6·29	1·67	Kodaikanal.	
4 ·352	·402	·343		70	61	81	71		5·0	8·4	6·7			15	15	16	9	4	1		2	N 63° E		56		273		6·38	1·27	Dodabetta.	
																														Extra India.	
									5·1	5·7	5·4			15				1	1	11	34	N 41° W		87		122		7·91	1·96	Minicoy.	
3 ·767	·730	·756	−·074	78	79	71	79	− 5	7·5	7·4	7·5	+1·4	2				11	31	14	1		S 3° W	S 5° E	84	85	205	194	11·77	3·00	Zanzibar.	
													Observations not received.																	Diego Garcia.	
7 ·823	·824	·799	−·017	72	75	72	75	− 5	4·6	4·6	4·6	−0·5†		2	2		46	5	1	1	5	S 42° E	S 43° E	68	59	230*	165	7·61	1·60	Seychelles.	
													Observations not received.																	Mauritius.	

† Departure from old normal. § Mean of 30 days. * Uncorrected for scale error.

Table B.—Abstract of observations taken at 8 hrs., at 240 stations in India, etc., in May, 1910.

(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 2,000 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.
irma	—·005	92·2	—0·6	75·4	—0·5	83·8	—0·6	16·8	30·0	—0·3	— 5	81	0	·842	—·016	5·9	—0·1	11·33	8·99	+2·34
istern Bengal and Assam	+·013	89·8	+0·2	73·5	—0·6	81·6	—0·2	16·3	30·4	—1·1	— 3	83	— 3	·830	—·035	5·2	—0·7	9·40	11·70	—2·30
engal	+·002	99·8	+0·4	77·6	—0·4	88·7	0	22·2	37·7	—0·7	0	67	— 2	·784	—·034	2·8	—0·6	2·94	3·44	—0·50
nited Provinces of Agra and Oudh	+·002	104·6	+0·4	77·3	—0·7	91·0	—0·2	27·4	46·1	+0·2	+ 5	45	— 1	·578	—·008	1·6	0	0·76	0·64	+0·12
injab	+·005	105·0	+0·2	76·2	+0·2	90·6	+0·2	28·8	49·6	+0·1	+ 5	36	— 5	·460	—·054	1·0	—0·6	0·11	0·60	—0·49
orth-West Frontier Province	—·008	100·7	—0·7	72·5	+0·1	86·7	—0·3	28·2	50·8	—1·5	+ 7	47	+ 1	·563	+·017	1·7	+0·2	0·50	0·70	—0·20
al	+·020	101·8	—0·8	78·0	—0·3	89·9	—0·6	23·8	35·8	—2·3	+ 8	64	— 1	·770	—·023	1·7	—0·1	0·03	0·10	—0·07
ajputana	+·012	106·1	+0·5	80·5	—0·8	93·3	—0·1	25·6	41·6	+1·8	+ 6	37	— 3	·506	—·055	0·8	—0·5	0·07	0·40	—0·33
ombay	+·038	97·1	—0·3	76·5	—0·4	86·8	—0·4	20·6	28·7	—0·9	+ 5	63	— 2	·720	—·036	2·5	—0·5	0·48	1·01	—0·53
entral India	+·011	104·6	—0·3	78·3	+0·3	91·5	0	26·3	38·7	—0·5	+ 6	42	0	·523	—·035	2·1	+1·0	0·21	0·30	—0·09
entral Provinces	+·022	105·8	0	79·7	+0·5	92·7	+0·3	26·1	38·8	+1·3	+17	33	— 6	·442	—·083	2·1	+0·1	0·29	0·46	—0·17
yderabad	+·015	105·0	+1·4	79·4	+1·3	92·2	+1·4	25·6	39·3	—1·7	— 9	43	— 7	·549	—·063	2·3	—0·7	0·66	0·85	—0·19
ysore	+·026	91·8	+0·6	69·6	+0·5	80·7	+0·5	22·2	30·4	+0·4	— 9	75	+ 1	·666	+·007	4·2	—1·0	3·59	3·39	+0·20
adras	+·018	98·5	+1·1	79·7	+0·1	89·1	+0·6	18·9	29·6	+0·7	+ 4	69	— 1	·851	—·001	4·2	—0·5	1·89	2·87	—0·98

Tabl

Abstract of observations taken at 8 hrs., at 240 statio

Number of subdivision.	Station.	Elevation of bar-eistern 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
	I.—Burma.																						
	Victoria Point†	123	29·756		29·805	29·817	6th	29·715	10th	·102													
2	Mergui	65	29·819	+·002	29·812	29·885	7th	29·731	18th	·164	79·9	88·3	−0·8	74·6	+0·8	81·4	0	13·7	91·4	9th	71·9	19th & 20th.	22·
	Tavoy	19	29·859	−·014	29·810	29·934	7th	29·752	18th	·182	79·1	86·9	−1·5	75·2	0	81·0	−0·7	11·7	93·5	1st	71·8	19th & 20th.	21·
	Moulmein	94	29·762	−·001	29·793	29·876	5th	29·563	19th	·313	80·2	88·3	−1·0	74·9	−0·9	81·5	−0·9	13·4	94·5	4 days	62·3	10th	32·
	Rangoon	18	29·813	−·025	29·769	29·939	5th	29·704	19th	·235	80·3	91·2	−0·7	76·8	−0·5	84·0	−0·6	14·4	101·6	10th	71·9	20th & 21st.	29·
	Bassein	27?	29·805	+·004	29·770	29·926	5th	29·704	19th	·222	81·4	90·4	−1·1	77·2	+0·2	83·8	−0·5	13·2	96·7	1st	72·9	27th & 28th.	23·
	Diamond Island	41	29·806	+·008	29·782	29·919	5th	29·711	28th	·208	83·3	86·8	−1·8	76·8	−2·0	81·8	−1·9	10·0	88·4	1st, 15th & 16th.	70·2	20th	18·
	Toungoo	164	29·655	−·007	29·760	29·805	5th	29·533	20th	·272	82·6	94·3	−1·4	76·2	−0·5	85·2	−0·9	18·1	102·5	11th, 12th & 13th.	72·8	22nd	29·
	Kyaukpyu	18	29·792		29·749	29·957	5th	29·620	29th	·337	82·2	88·6		77·3		83·0		11·3	93·0	6 days	72·4	21st	20·
	Akyab	20	29·786	−·007	29·749	29·960	5th	29·569	29th	·391	81·6	90·8	+0·2	77·5§	−0·7§	84·0§	−0·3	13·3	94·9	17th & 20th.	73·0	22nd	21·
3	Thayetmyo	121	29·620	−·005	29·713	29·810	5th	29·546	19th	·264	82·4	96·1	−2·3	76·6	−1·1	86·4	−1·7	19·5	105·5	11th	72·4	2nd	33·
	Minbu	*165*	29·619	−·004	29·728	29·800	5th	29·504	19th	·296	81·9	98·8	+1·3	77·9	+0·2	88·4	+0·7	20·9	107·8	13th	75·0	5 days	32·
	Yamethin	657	29·125	−·020	29·734	29·247	6th	29·015	20th	·232	80·7	95·9	+0·6	75·6	−0·6	85·8	0	20·3	105·8	11th	73·0	21st & 26th.	32·
	Mandalay	250	29·545	+·001	29·743	29·701	5th	29·438	20th	·263	83·3	101·1	+2·1	78·1	−0·9	89·6	+0·6	23·0	113·5	13th	73·1	5th & 26th	40·
	Monywa	*980*	29·522		29·741	29·701	5th	29·410	20th	·291	82·4	98·7		78·6		88·6		20·1	109·8	17th	72·6	5th	37·
	Lashio	*2,751*	27·037	−·016	26·983	27·191	5th	26·956	19th	·235	72·8	86·8	−1·5	66·4	−0·4	76·6	−0·9	20·4	97·3	17th	61·0	1st & 5th.	36·
	Bhamo	*381*	29·421	+·013	29·759	29·609	5th	29·305	20th	·304	76·3	93·6	−0·1	71·5	−1·2	82·6	−0·7	22·1	104·4	17th	65·1	5th	39·
	Myitkyina	458	29·315		29·745	29·475	5th	29·188	20th	·287	76·8	91·0		71·4		81·2		19·6	102·2	20th	64·0	6th	38·
	II.—Eastern Bengal and Assam.																						
	Dibrugarh	353	29·442		29·758	29·628	5th	29·295	30th	·333	76·5	86·5		71·2		78·9		15·3	95·9	30th	63·6	1st	32·
	Sibsagar	333	29·474	+·003	29·767	29·649	5th	29·322	29th & 30th.	·327	75·5	86·1	+0·2	71·0	−0·7	78·6	−0·3	15·1	94·6	30th	62·0	3rd	32·
	Tezpur	252	29·549		29·763	29·720	5th	29·400	25th	·320	75·8	87·6		72·6		80·1		15·0	96·1	27th & 30th.	65·4	4 days	30·
	Gauhati	195	29·615		29·768	29·776	5th	29·464	29th	·312	77·2	87·1		71·5		79·3		15·6	95·8	30th	63·1	3rd	32·
	Dhubri	115									76·1	84·3	−1·6	73·2	0	78·8	−0·8	11·1	91·5	28th & 30th.	68·7	1st	24·
	Silchar	104	29·715	+·017	29·773	29·851	5th	29·564	29th	·287	78·2	89·3	+0·6	72·0	−0·5	80·7	+0·1	17·3	96·8	28th	64·3	4th	32·
5	Cox's Bazar	36	29·753§		29·733§	29·891	1st	29·565	29th	·326													
	Chittagong	87	29·701	−·002	29·736	29·850	1st	29·532	29th	·318	82·5	90·3	+1·7	75·8	+0·4	83·1	+1·1	14·5	94·0	21st	63·0	5th	26·
	Noakhali	43	29·742		29·731	29·877	6th	29·593	29th	·284	85·3	88·9		76·1		82·5		12·8	92·8	21st & 22nd.	69·4	5th	23·
	Barisal	12	29·751	+·007	29·709	29·894	1st	29·607	29th	·287	83·6	91·7	−0·2	75·6	−1·8	83·7	−1·0	16·1	95·3	4 days	67·6	8th	27·
	Comilla	36	29·738		29·722	29·871	8th	29·584	29th	·287	81·2§	91·6		75·9‖		83·8‖		15·7	96·3	22nd	69·3	7th	27·
	Narayanganj	26	29·734	+·003	29·708	29·870	1st	29·586	29th	·284	82·2	91·2	−0·1	75·5	−0·3	83·4	−0·2	15·7	95·5	3rd	66·8	7th	28·
	Faridpur	46	29·716		29·712	29·858	1st	29·582	29th	·276	81·4	92·0		74·5		83·2		17·5	97·3	4th	65·9	7th	31·
	Sirajganj	49	29·719		29·718	29·848	1st	29·575	29th	·273	78·4	90·5		73·6		82·0		16·9	96·4	5th	66·3	20th	30·
	Mymensingh	63	29·729	+·024	29·743	29·857	5th	29·578	29th	·279	79·2	89·2	+0·6	73·3	−0·5	81·3	+0·1	15·9	93·6	22nd	67·1	5th	26·
	Bogra	75	29·702	+·039	29·729	29·828	5th & 6th.	29·568	29th	·260	80·2	91·9	−0·6	73·7	−0·3	82·8	−0·7	18·2	98·2	16th	67·2	2nd	31·
	Rampur Boalia	70	29·676		29·695	29·808	7th	29·562	29th	·246	81·7	95·6		74·7		85·1		20·9	102·1	14th	64·1	16th	38·
	Malda	72	29·662		29·687	29·798	1st	29·536	30th	·262	80·9	95·6		75·1		85·4		20·5	104·3	4th	67·5	9th	36·
	Dinajpur	123	29·628	+·017	29·707	29·758	1st	29·499	29th	·259	77·9	92·2§	+0·5§	72·8	−1·5	82·6§	−0·5	19·4	96·8	14th	67·0	1st	29·
	Rangpur	123	29·656§		29·736§	29·789	5th	29·521	29th	·268	78·1	88·4		70·5		79·4		17·9	94·6	30th	63·0	1st	31·

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

† Mean of 27 days. § Mean of 30 days.

‖ Mean of 28 days.

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

B.

in India, etc., in May, 1910.

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 to 31st May, 1910.	Normal rainfall for period, 1st to 31st May.	Departure from normal of period, 1st to 31st May, 1910.	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
																															I.—Burma.
3	2	2	3	8	5	2	2	S 10° W					30						7·3‡												Victoria Point.
2	1		7	5	3		1	S 19° E	S 81° W	5·0	1·9	+3·1	30	+ 7	90	+ 2	·900	—·005	5·3	−1·0	17	18·00	−1·00	12·56	19·26	− 6·70	12·56	19·26	− 6·70	3·12	Mergui.
					1			S 45° W	S 61° W	2·2*	1·6	+0·6	3	− 6	89	+ 1	·889	−·005	5·4	−1·4	17	17·70	−0·70	40·78	26·05	+14·73	40·78	26·05	+14·73	11·75	Tavoy.
1	1	7	3		2		1	S 82° E	S 47° E	6·5	3·4	+3·1	27	− 9	86	− 2	·886	—·001	7·8	+0·5	13	17·40	+0·60	30·41	19·40	+11·01	30·41	19·40	+11·01	5·06	Moulmein.
	2			6	6	9	3	S 65° W	S 39° W	4·7	4·6	+0·1	49	− 5	85	− 3	·884	—·034	7·5	+0·5	14	14·00	0	26·16	11·22	+14·94	26·16	11·22	+14·94	5·48	Rangoon.
				1		9	5	N 78° W	S 51° W	6·1§	4·8	+1·3	43	+14	83	− 3	·390	−·045	6·3	+0·3	10	12·10	−2·10	11·50	10·30	+ 1·20	11·50	10·30	+ 1·20	4·21	Bassein.
1			1	3	5	5	15	N 76° W	S 64° W	12·4	7·8	+4·6	59	+19	78	− 1	·902	—·004	5·5	−1·7	8	11·18	−3·18	12·79	10·43	+ 2·36	12·79	10·43	+ 2·36	3·03	Diamond Island.
		2	8	6	8		2	S 2° E	S 28° E	2·4	4·6	−2·2	53	−15	90	+ 7	1·022	+·099	6·0	−0·9	12	10·10	+1·90	5·31	6·28	− 0·97	5·31	6·28	− 0·97	0·97	Toungoo.
2	3	2	12	3		4	5	S 53° E		5·7*			23		81		·901		3·9		10			18·96			18·96			5·75	Kyaukpyu.
1	7	3	7	1	3	5	2	S 81° E	N 81° E	4·5	3·5	+1·0	13	−37	86	+ 2	·918	− 019	6·3	−0·6	9	11·50	−2·50	12·81	11·88	+ 0·93	12·81	11·88	+ 0·93	4·56	Akyab.
1	1		6	15	6		2	S 2° W	S 5° E	5·3	7·1	−1·8	66	− 9	81	+ 9	·877	+·034	6·0	+0·9	7	6·90	+0·10	5·63	4·13	+ 1·50	5·63	4·13	+ 1·50	1·50	Thayetmyo.
3			19	5	2		2	S 34° E	S 38° E	4·1	10·3	−6·2	62	−12	72	− 5	·767	—·075	5·5	+1·1	6	6·40	−0·40	5·11	6·01	− 0·90	5·11	6·01	− 0·90	2·10	Minbu.
			17	8	1		1	S 28° E	S 28° E	3·9	8·1	−4·2	76	+ 2	81	+ 4	·838	+·015	4·4	+0·6	10	8·10	+1·90	5·98	6·76	− 0·78	5·98	6·76	− 0·78	2·23	Yamethin.
	1		10	4	4			S 21° E	S 4° E	5·3§	7·4	−2·1	46	−15	67	− 4	·753	−·092	5·0	+0·1	11	6·60	+4·40	10·04	5·55	+ 4·49	10·04	5·55	+ 4·49	2·23	Mandalay.
7	3	5	6	3	1		4	N 62° E		3·6			30		69		·758		6·0		8	7·20	+0·80	10·84	3·54	+ 7·30	10·84	3·54	+ 7·30	3·74	Monywa.
4	7	1	2		1	3	1	N 21° E		2·9*			27		79	− 5	·815	—·025	6·2	−0·6	12			12·78	6·13	+ 6·65	12·78	6·13	+ 6·65	2·75	Lashio.
								(a)	N 53° W	2·3	3·1	−0·8			78	− 2	·759	−·032	5·7	+0·1	7	10·40	−3·40	3·98	6·46	− 2·48	3·98	6·46	− 2·48	2·71	Bhamo.
	3	5						N 73° E		2·2			23		80		·732		6·3		10			4·97	7·43	− 2·46	4·97	7·43	− 2·46	1·15	Myitkyina.
																															II.—Eastern Bengal and Assam.
8	4	3		1		1		N 58° E		1·3			40		96		·873		6·0		10	15·20	−5·20	5·73	14·60	− 8·87	5·73	14·60	− 8·87	1·93	Dibrugarh.
8	1			1		3		N 29° E	N 60° E	2·2	2·9	−0·7	30	− 3	87	− 5	·767	−·057	7·6	−0·5	13	15·90	−2·90	6·51	12·62	− 6·11	6·51	12·62	− 6·11	2·32	Sibsagar.
6	2							N 56° E		3·5			27		87		·776		6·1		15	14·10	+0·90	6·67	10·12	− 3·45	6·67	10·12	− 3·45	1·11	Tezpur.
								(a)		2·7					84		·793		6·9		14	14·20	−0·20	7·65	9·76	− 2·11	7·65	9·76	− 2·11	1·03	Gauhati.
9	9	3	1	1		1		N 75° E	N 67° E	7·7§	7·1	+0·6	53	− 1	87	0	·797	−·004	4·7	−2·3	14	15·70	−1·70	13·45	15·43	− 1·98	13·45	15·43	− 1·98	3·11	Dhubri.
1	4	4		1				S 66° E	N 81° E	2·8	3·2	−0·4	23	+10	83	− 3	·813	−·015	3·6	−3·7	15	16·50	−1·50	11·96	17·24	− 5·28	11·96	17·24	− 5·28	2·99	Silchar.
1	7	6	9	6	1			S 22° E		5·3			61						4·0		6			6·49			6·49			2·09	Cox's Bazar.
3	3	15	4	2				S 48° E	S 50° E	5·1	6·4	−1·3	62	− 3	78	− 4	·862	−·046	6·5	+0·4	9	10·55	−1·55	3·71	10·31	− 6·60	3·71	10·31	− 6·60	0·70	Chittagong.
1	6	12	6	2	1			S 43° E		5·7			61		80		·891		3·8		11	10·45	+0·55	10·99	10·06	+ 0·93	10·99	10·06	+ 0·93	3·20	Noakhali.
3	2	5	12	6	1			S 9° E	S 9° E	3·8	5·0	−1·2	56	+ 6	80	− 2	·911	−·057	5·6	−0·7	12	9·84	+2·16	11·66	9·19	+ 2·47	11·66	9·19	+ 2·47	1·87	Barisal.
1	1	10	6	1				S 32° E		4·5			48		87§		·936§		2·7		11	11·89	−0·89	7·54	11·01	− 3·47	7·54	11·01	− 3·47	2·51	Comilla.
4	6	6	9	2	1			S 42° E	S 28° E	4·7	6·7	−2·0	53	− 1	83	− 2	·907	−·022	5·6	−0·7	11	11·53	−0·53	10·12	9·44	+ 0·68	10·12	9·44	+ 0·68	2·39	Narayanganj.
	3	6	13	1	1			S 19° E		4·2			58		84		·902		4·2		11	10·72	+0·28	8·39	8·30	+ 0·09	8·39	8·30	+ 0·09	2·48	Faridpur.
6	7	6	1					N 73° E		3·2			52		86		·835		6·3		9	10·16	−1·16	6·56	7·95	− 1·39	6·56	7·95	− 1·39	1·25	Sirajganj.
1	12	9		1		2		S 74° E	S 81° E	2·5	4·1	−1·6	56	−12	82	− 3	·816	−·024	6·5	+0·3	14	13·48	+0·52	10·91	12·96	− 2·05	10·91	12·96	− 2·05	2·26	Mymensingh.
2	13		1					N 80° E	S 72° E	1·6	4·4	−2·8	46	−14	75	− 7	·781	−·070	2·2	−2·5	9	9·77	−0·77	5·82	8·04	− 2·22	5·82	8·04	− 2·22	1·68	Bogra.
	1	1	3					S 27° E		3·6			16		76		·832		5·7		7	7·74	−0·74	2·19	5·54	− 3·35	2·19	5·54	− 3·35	0·90	Rampur Boalia.
6	4	13	2		1	4		S 78° E		6·1			45		80		·830		2·5		3	5·58	−2·58	2·63	3·85	− 1·22	2·63	3·85	− 1·22	1·85	Malda.
5	11	2	2		2	1		N 82° E	N 88° E	4·3	4·6	−0·3	43	−29	81	+ 1	·779	−·024	5·5	−0·4	9	8·23	+0·77	4·53	8·45	− 3·92	4·53	8·45	− 3·92	1·40	Dinajpur.
7	9	5	1	1	1			N 83° E		2·9			52		80		·776		3·9		11	11·19	+2·81	14·30	10·31	+ 3·99	14·30	10·31	+ 3·99	3·02	Rangpur.

(a) Indeterminate.

* Uncorrected for scale error.

‡ Mean of 26 days.

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

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(2) *Abstract of observations taken at 8 hrs., at 240 sta*

Number of subdivision.	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.
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	29·490	+·009	29·733	29·626	1st	29·366	29th & 30th.	·260	76·7	89·0	+0·7	71·9	—0·4	80·5	+0·1	17·1	95·9	30th	61·4	1st
	Cooch Behar	156	29·628		29·741	29·770	5th	29·495	29th	·275	76·0	86·5		72·4		79·4		14·1	94·8	30th	63·6	1st
	III.—Bengal.																					
6	Saugor Island	25	29·703	—·006	29·672	29·830	1st	29·572	29th	·368	85·6	92·1	+0·3	81·2	+0·2	86·6	+0·2	10·9	95·5	23rd	76·0	9th
	Midnapore	149	29·569		29·664	29·747	1st	29·466	29th	·281	84·2	101·7		77·9		89·8		23·8	111·3	16th	68·7	6th
	Calcutta	21	29·709	+·001	29·676	29·888	1st	29·593	29th	·295	84·3	96·6	+2·1	77·9†	+0·5†	87·2†	+1·3	18·7	101·7	3rd	71·0	9th
	Jessore	33	29·708	—·002	29·688	29·863	1st	29·572	29th	·291	83·3	94·8	0	75·9	—0·9	85·4	—0·5	18·9	101·0	4th	68·7	9th
	Krishnagar	47	29·684		29·679	29·839	5th	29·574	30th	·265	81·5	94·8		76·7		85·8		18·1	100·4	14th & 15th.	71·0	9th
	Burdwan	89	29·623	+·004	29·670	29·797	1st	29·509	29th	·288	82·3	97·9	—0·5	76·9	—0·9	87·4	—0·7	21·0	105·4	14th & 15th.	69·8	9th
	Bankura	313	29·393		29·654	29·565	1st	29·293	30th	·272	85·0	102·2		78·1		90·2		24·1	112·1	14th	71·2	7th
	Raniganj	334	29·388		29·674	29·557	1st	29·290	30th	·267	82·7	101·9		77·7		89·7		24·2	112·5	15th	71·0	9th
	Berhampore	67	29·666	+·004	29·682	29·810	1st	29·551	30th	·259	81·5	96·6	+0·1	76·0	—0·6	86·3	—0·3	20·6	102·6	4th & 14th	65·2	9th
	Naya Dumka	489	29·232		29·677	29·375	1st	29·134	30th	·241	83·1	99·2		76·5		87·9		22·7	108·9	15th & 16th.	67·5	7th
7	Balasore	50	29·671	+·006	29·664	29·849	1st	29·559	29th	·290	85·4	99·0	+1·4	78·2	—0·5	88·6	+0·5	20·8	110·4	14th	69·1	23rd
	False Point	21	29·730	+·014	29·692	29·910	1st	29·606	29th	·304	85·2	90·2	—0·8	78·8	—0·9	84·5	—0·9	11·4	91·7	22nd & 31st.	70·1	25th
	Cuttack	80	29·652	+·006	29·675	29·827	1st	29·538	29th	·289	85·9	103·2	+1·6	79·6	—0·5	91·4	+0·5	23·6	111·4	20th	73·2	26th
	Puri	24	29·709		29·672	29·864	1st	29·575	29th	·289	84·3	90·4		80·5		85·4		9·9	93·6	24th & 29th.	72·6	26th
	Angul	455	29·269		29·678	29·468	1st	29·152	30th	·316	86·2	104·5		78·0		91·2		26·5	112·1	18th	66·0	9th
	Sambalpur	486	29·225	—·007	29·651	29·440	1st	29·115	28th	·325	90·2	106·8	—0·1	81·3	—0·3	94·0	—0·2	25·5	112·1	4 days	72·6	1st
8	Chaibassa	*733*	28·962	—·005	29·640	29·147	1st	28·850	30th	·297	85·3	105·2	+0·1	77·7	—2·3	91·5	—1·1	27·5	113·1	16th	70·3	1st
	Ranchi	2,128	27·623?	+·016?	29·665?	27·781	1st	27·510	29th	·271	84·1	99·1	—0·5	75·0	—1·0	87·1	—0·7	24·1	106·2	16th & 17th,	64·4	1st
	Purulia	*816*	28·884		29·646	29·050	1st	28·802	30th	·248	81·7	103·6		77·3		90·4		26·3	111·5	14th	66·1	1st
	Hazaribagh	2,007	27·714	—·004	29·637	27·875	1st	27·621	30th	·254	85·3	99·7	+0·5	76·0	+0·5	87·9	+0·5	23·7	106·7	16th & 17th,	66·3	29th
	Daltonganj	*730*	28·972		29·649	29·169	1st	28·857	24th	·312	87·2	107·2		78·6		92·9		28·6	113·1	17th	68·0	1st
9	Purnea	134	29·623	+·025	29·712	29·765	1st	29·512	30th	·253	80·7	95·4	+0·6	73·6	—0·6	84·5	0	21·8	101·5	16th	65·7	1st
	Bhagalpur	160	29·559		29·671	29·698	1st	29·462	29th	·236	84·3	99·7		75·8		87·9		23·9	107·2	20th	64·8	9th
	Monghyr	155	29·552		29·657	29·706	1st	29·453	30th	·253	84·6	P		75·6		P					61·4	9th
	Darbhanga	165	29·553	+·004	29·674	29·706	1st	29·447	30th	·259	82·9	96·9	+1·3	75·9	—0·4	86·4	+0·5	21·0	103·6	16th	66·8	1st
	Pusa	188	29·526		29·667	29·678	1st	29·425	30th	·253	84·5	100·2		74·9		87·5		25·3	108·5	14th	66·2	1st
	Muzaffarpur	177	29·540		29·673	29·702	1st	29·449	30th	·253	84·0	97·8		75·6		86·7		22·2	105·7	14th	66·5	1st
	Motihari	221	29·493		29·675	29·647	1st	29·400	30th	·247	81·7	96·3		74·5		85·4		21·8	103·1	14th & 16th.	65·3	1st
	Chapra	181	29·512		29·647	29·660	1st	29·424	30th	·236	83·5	102·1		77·4		89·8		24·7	109·3	15th	67·4	1st
	Patna	183	29·514	—·001	29·650	29·666	1st	29·431	30th	·235	85·2	99·6	—0·6	77·4	—0·3	88·5	—0·5	22·2	106·5	15th	70·2	9th
	Arrah	190	29·503		29·644	29·682	1st	29·412	30th	·250	87·1	102·3		78·8		90·6		23·5	109·6	15th	71·0	2nd
	Buxar	239	29·443		29·636	29·612	1st	29·345	30th	·267	86·6	103·8		79·5		91·7		24·3	110·0	14th & 15th.	71·1	1st
	Dehri	351	29·319‡		29·620‡	29·494	1st	29·193	19th	·301	87·7	106·6		80·8		93·7		25·8	113·8	16th	74·5	1st
	Gaya	372	29·308	—·008	29·629	29·496	1st	29·217	24th	·279	89·5	105·7	+0·8	80·9	+1·4	93·3	+1·1	24·8	111·9	15th	71·7	1st
	IV.—United Provinces of Agra and Oudh.																					
10	Gorakhpur	257	29·437	+·004	29·650	29·611	6th	29·348	19th	·263	83·7	101·0	0	74·7	—2·6	87·9	—1·3	26·3	108·6	14th & 16th.	63·5	1st
	Benares	267	29·415	+·003	29·633	29·596	1st	29·299	30th	·297	89·6	106·6	+1·1	79·0	+0·1	92·8	+0·6	27·6	112·6	15th	67·6	1st
	Allahabad	309	29·375	+·008	29·635	29·558	1st	29·263	30th	·295	89·3	106·8	—0·2	79·0	—0·5	92·9	—0·3	27·8	113·1	15th & 16th.	70·5	1st

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 plateau

‡ Mean of 28 days.

—*continued.*

India, etc., in May, 1910—continued.

Wind direction. Number of winds from N. (26)	N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction. (34)	Normal direction. (35)	Wind velocity. Mean velocity, miles per hour. (36)	Normal. (37)	Departure from normal. (38)	Wind steadiness. Actual percentage. (39)	Departure from normal. (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal. (42)	Mean vapour tension at 8 hrs. in inches of mercury. (43)	Departure from normal in inches of mercury. (44)	Cloud. Mean cloud amount at 8 hrs. (45)	Departure from normal. (46)	Rainfall. Number of rainy days. (47)	Normal number of rainy days. (48)	Departure from normal. (49)	Rainfall of month. (50)	Normal rainfall of month. (51)	Departure from normal. (52)	Total rainfall from 1st to 31st May, 1910. (53)	Normal rainfall for period, 1st to 31st May. (54)	Departure from normal of period, 1st to 31st May, 1910. (55)	Heaviest rainfall during month. (56)	Station. (57)
																															II.—Eastern Bengal and Assam—*concld.*
2	3	9	7		1		1	S 87° E	N 88° E	2·7			49	+17	83	− 1	·770	−·030	7·1	+2·8	13	12·42	+ 0·58	10·00	12·04	− 2·04	10·00	12·04	− 2·04	1·98	Jalpaiguri.
	5	13	2	1	2	1	1	N 88° E		2·5			12		87		·780		7·5		17	14·76	+ 2·24	20·15	15·26	+ 4·89	20·15	15·26	+ 4·89	2·63	Cooch Behar
																															III.—Bengal.
2	1	1	4	19	4			S 4° E	S 5° W	18·7	16·9	+1·8	72	− 3	81	0	·998	−·011	5·4	−1·6	4	6·71	− 2·71	2·94	5·09	− 2·15	2·94	5·09	− 2·15	1·28	Saugor Island.
3	2	2	1	23				S 12° E		4·7			65		71		·849		3·3		6	7·05	− 1·05	3·74	5·69	− 1·95	3·74	5·69	−1·95	1·18	Midnapore.
	2	2	8	7	11		1	S 2° E	S 6° W	6·9*	7·0	−0·1	59	− 9	79	0	·940	−·004	4·7	−0·3	7	7·46	− 0·46	4·80	5·68	− 0·88	4·80	5·68	−0·88	1·81	Calcutta.
	1		6	3	1		1	S 28° E	S 16° E	1·0	4·6	−3·6	30	−24	78	− 6	·909	−·063	4·9	−1·0	7	9·74	− 2·74	8·68	7·94	+ 0·74	8·68	7·94	+0·74	1·93	Jessore.
1	2	6	4	12	2			S 33° E		3·8			55		85		·909		4·3		9	7·74	+ 1·26	8·59	6·55	+ 2·04	8·59	6·55	+2·04	4·89	Krishnagar.
	4	4	2	6	8	2	1	S 1° W	S 11° W	3·4	4·7	−1·3	31	−23	81	+ 6	·898	+·015	5·8	+0·8	6	7·32	− 1·32	5·49	6·35	− 0·86	5·49	6·35	−0·86	1·64	Burdwan.
				1	3			S 14° E		3·1			13		66		·781		2·7		6	6·19	− 0·19	3·25	3·89	− 0·64	3·25	3·89	−0·64	1·56	Bankura.
	2	5	4	3	2		1	S 54° E		2·5			26		73		·811		3·2		7	5·18	+ 1·82	3·58	3·77	− 0·19	3·58	3·77	− 0·19	1·56	Raniganj.
	6	8	1	9	1		1	S 61° E	S 37° E	4·3	5·1	−0·8	43	− 7	78	− 5	·843	−·061	5·3	−0·3	7	7·74	− 0·74	6·19	5·41	+ 0·78	6·19	5·41	+0·78	1·94	Berhampore.
	2	2	3	3				S 56° E		0·9			26		67		·757		2·7		4	5·21	− 1·21	2·21	3·60	− 1·39	2·21	3·60	−1·39	0·92	NayaDumka.
3	1	1		6	18	2		S 41° W	S 29° W	5·2	8·8	−3·6	66	− 9	70	− 9	·849	−·122	3·6	−1·9	5	7·74	− 2·74	2·36	5·97	− 3·61	2·36	5·97	−3·61	1·11	Balasore.
1				12	15	1	2	S 33° W	S 27° W	13·2	13·7	−0·5	79	+ 4	81	− 2	·976	−·039	5·7	−0·7	4	4·32	− 0·32	1·78	5·23	− 3·45	1·78	5·23	− 3·45	1·07	False Point.
		1	1	6	15	4		S 36° W	S 46° W	4·4*	5·1	−0·7	69	+29	72	0	·901	−·003	3·7	−0·9	6	5·23	+ 0·77	2·31	4·24	− 1·93	2·31	4·24	− 1·93	0·57	Cuttack.
				6	21			S 36° W		14·0			81		83		·979		4·8		3	3·39	− 0·39	1·02	2·89	− 1·87	1·02	2·89	− 1·87	0·71	Puri.
3	7	2	9	3	1		3	E		8·5			36		65		·807		1·3		5			1·94			1·94			0·95	Angul.
		2	5	2	20	2		S 29° W	S 7° E	4·7	4·3	+0·4	72	+30	45	− 6	·634	−·089	2·9	−0·6	1	3·00	−2·00	0·23	1·62	− 1·39	0·23	1·62	− 1·39	0·13	Sambalpur.
1	3	1	2	5	9	6		S 39° W	S 58° W	3·8	2·8	+1·0	43	− 4	59	− 2	·708	−·081	2·2	−0·3	3	5·65	− 2·65	2·05	3·34	− 1·29	2·05	3·34	− 1·29	1·72	Chaibasa.
		4	3	4	8	8	1	S 37° W	S 43° W	7·4	7·8	−0·4	46	− 1	48	− 3	·532	−·073	2·4	+0·2	7	4·68	+ 2·32	2·18	2·08	+ 0·10	2·18	2·08	+ 0·10	0·56	Ranchi.
	1		3	2	3	3		S 18° W		3·3			19		68		·730		0·7		3	5·26	− 2·26	0·72	2·92	− 2·20	0·72	2·92	− 2·20	0·25	Purulia.
	1	2	1	11	6	7	3	S 38° W	S 28° W	8·4	9·2	−0·8	53	+ 3	43	− 3	·490	−·044	2·2	−0·9	6	3·33	+ 2·07	3·34	2·33	+ 1·01	3·34	2·33	+ 1·01	1·46	Hazaribagh.
5	2	7	1		1	1	1	N 49° E		5·3			29		44		·564		1·5		1	2·07	− 1·07	0·25	1·04	− 0·79	0·25	1·04	− 0·79	0·11	Daltonganj.
1	16	7	1					N 58° E	N 82° E	1·7	4·5	−2·8	72	− 3	76	0	·793	−·020	3·7	−0·7	6	5·34	+ 0·66	3·59	4·77	− 1·18	3·59	4·77	− 1·18	1·15	Purnea.
	6	17	1					N 80° E		4·6			71		67		·783		1·8		3	4·16	− 1·16	2·53	2·79	− 0·26	2·53	2·79	− 0·26	1·80	Bhagalpur.
	1	19	10	1				S 75° E		9·7			90		73		·868		1·1		5			1·39			1·39			0·63	Monghyr
	1	28						N 87° E	S 79° E	6·3	6·2	+0·1	96	+20	72	+ 1	·816	+·024	1·2	−1·1	4	3·93	+ 0·07	1·78	3·07	− 1·29	1·78	3·07	− 1·29	0·66	Darbhanga.
	16	7	6					N 73° E		6·1			83		64		·758		1·0		2			0·40			0·40			0·25	Pusa.
		15	15					S 67° E		9·4			90		69		·791		0·7		3	3·65	− 0·65	2·03	2·40	− 0·37	2·03	2·40	− 0·37	1·48	Muzaffarpur.
	5	24				1	1	N 81° E		5·0			84		69		·751		1·6		3	4·25	− 1·25	2·42	2·65	− 0·23	2·42	2·65	− 0·23	1·31	Motihari.
															68		·754		2·1		0	2·13	− 2·13	0·06	1·35	− 1·29	0·06	1·35	− 1·29	0·04	Chapra.
	2	24	1	2				S 87° E	N 87° E	7·7	5·8	+1·9	86	+18	65	0	·790	+·024	2·0	0	2	2·97	− 0·97	0·32	1·93	− 1·61	0·32	1·93	− 1·61	0·18	Patna.
	5	15	6	1		2	1	E		4·6			65		56		·717		1·6		0	2·45	− 2·45	0	1·47	− 1·47	0	1·47	− 1·47	0	Arrah.
	22		1	1	3	3		S 87° E		6·3			55		51		·632		2·7		1	1·97	− 0·97	0·18	0·82	− 0·64	0·18	0·82	− 0·64	0·18	Buxar.
	2	3	8		6	2	1	S 21° E		4·5			26		44		·571		1·3		2	1·47	+ 0·53	0·81	0·82	− 0·01	0·81	0·82	− 0·01	0·65	Dehri.
	8	1	2	2	1	6	2	N 1° W	S 78° W	3·6	5·3	−1·7	13	−15	56	− 2	·780	+·002	1·8	−0·8	1	1·94	− 0·94	0·86	0·98	− 0·12	0·86	0·98	− 0·12	0·79	Gaya.
																															IV.—United Provinces of Agra and Oudh.
	18	5	4	1				N 64° E	N 76° E	3·3	3·5	−0·2	72	+29	79§	+16	·909§	+·175	1·7	+0·1	5	2·40	+2·60	2·63	1·34	+1·29	2·63	1·34	+1·29	1·03	Gorakhpur.
	3	9	1		2	6	3	N 47° E	N 72° E	4·2	5·1	−0·9	10	− 2	50	− 3	·696	+·022	1·5	−0·2	0	1·00	−1·00	0·03	0·64	− 0·61	0·03	0·64	− 0·61	0·03	Benares.
	7	6		1	1	7	5	N 2° W	N 2° E	5·1	6·8	−1·7	25	+16	36	− 6	·477	−·111	1·8	+0·2	2	0·50	+1·50	0·64	0·29	+0·35	0·64	0·29	+ 0·35	0·23	Allahabad.

ns, the elevations of which exceed 5,200 feet.

§ Mean of 29 days.

* Uncorrected for scale error.

Tabl

(2) *Abstract of observations taken at 8 hrs., at 240 station*

Number of subdivision.	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
	IV.—United Provinces of Agra and Oudh—*concld.*																						
10	Cawnpore	416	29·244	−·001	29·613	29·416	1st	29·135	24th	·281	88·4	106·0	−0·2	76·7	−3·9	91·3	−2·1	29·3	112·7	15th	64·5	1st	48·2
	Lucknow	368	29·310	+·005	29·633	29·475	1st	29·224	20th	·251	87·4	105·0	0	77·6	−0·2	91·3	−0·1	27·4	113·5	15th	66·6	1st	46·9
	Bahraich	401	29·289	+·018	29·648	29·447	1st	29·172	28th	·275	85·7	102·9	−0·1	76·5	−1·4	89·7	−0·7	26·4	111·1	15th&18th	63·5	1st	47·6
11	Jhansi	824	28·879	−·001	29·639	29·040	1st	28·756	24th	·284	93·8	108·7	+0·4	85·4	+1·8	97·1	+1·1	23·3	114·0	24th	74·5	1st	39·5
	Agra	556	29·114	−·009	29·621	29·287	1st	28·991	24th	·296	90·6	107·6	+0·4	81·6	+0·1	94·6	+0·3	26·0	115·0	24th	71·0	1st	44·0
	Mainpuri	516	29·147	+·004	29·614	29·323	1st	29·050	20th	·273	87·9	107·9	+0·4	77·5	−2·3	92·7	−0·9	30·4	113·8	15th, 16th & 21st.	61·1	1st	52·7
	Bareilly	538	29·099	−·003	29·624	29·250	1st	29·013	21st	·237	87·1	103·6	+0·4	76·8	+0·4	90·2	+0·4	26·8	110·8	16th	63·0	1st	47·8
	Meerut	733	28·934	0	29·622	29·099	1st	28·825	20th	·274	87·6	104·1	+1·1	75·6	−0·3	89·9	+0·4	28·5	110·6	21st, 22nd & 24th.	61·8	1st	46·8
	Roorkee	899	28·780	+·009	29·637	28·914	1st	28·658	20th	·286	85·8	102·6	−0·2	74·3	−0·3	88·4	−0·3	28·3	109·5	15th, 16th & 21st.	65·4	1st	44·1
	Debra Dun	2,233	29·480	−·013	29·638	29·613	1st	29·364	20th	·249	80·3	97·5	+2·5	70·0	−0·6	83·8	+0·9	27·5	104·5	14th	57·5	1st	47·0
	V.—Punjab.																						
12	Delhi	718	28·954	+·003	29·626	29·106	1st	28·844	21st & 25th.	·262	87·9	105·4	+0·7	80·4	+0·2	92·9	+0·5	25·0	113·2	26th	73·2	1st & 4th	40·0
	Sirsa	662	28·983	−·005	29·598	29·150	1st	28·814	29th	·336	90·0	107·8	+0·6	77·3	−0·1	92·6	+0·3	30·5	117·3	24th	65·0	1st & 4th	52·3
	Patiala	*818*	28·882?		29·658?	29·066	6th	28·742	26th	·324	87·2	104·4		77·2		90·8		27·2	112·5	22nd	64·2	4th	48·3
	Ambala	892	28·770	+·014	29·618	28·911	1st	28·642	20th	·269	86·4	105·5	+0·3	75·1	−1·8	90·3	−0·7	30·4	112·5	21st, 22nd & 24th.	62·9	1st	49·6
	Ludhiana	812	28·842	0	29·615	29·021	1st	28·705	21st	·316	85·6	105·7	+1·3	76·3	+0·9	91·0	+1·1	29·4	114·5	22nd&24th	66·0	4th	48·5
	Lahore	702	28·938	−·002	29·602	29·124	1st	28·777	25th	·347	85·9	106·0	+0·3	75·2	+2·6	90·6	+1·5	30·8	117·4	25th	65·2	4th	52·2
	Sialkot	830	28·818	−·001	29·612	28·983	1st	28·674	29th	·309	84·6	101·9	−1·2	72·9	−1·9	87·4	−1·5	29·0	111·0	25th	63·0	6th	48·0
	Rawalpindi	1,674	28·016	+·005	29·649	28·168	1st & 2nd.	27·850	28th	·318	83·1	96·8	−1·3	68·4	−0·2	82·6	−0·7	28·4	109·9	25th	58·9	3rd	51·0
13	Khushab	612	28·041	+·003	29·613	29·238	1st	28·851	25th	·387	91·0	105·0	+0·1	77·4	+0·1	91·2	+0·1	27·6	116·9	25th	64·4	3rd	52·5
	Montgomery	558	29·084	+·020	29·599	29·265	2nd	28·877	29th	·388	91·5	107·4	−0·9	77·6	−0·8	92·5	−0·9	29·8	118·9	25th	67·5	1st & 2nd	51·4
	Multan	420	29·230	+·008	29·609	29·435	1st & 2nd.	29·004	29th	·431	89·5	108·7	+2·1	80·5	+2·9	94·6	+2·5	28·2	119·8	25th	67·5	2nd	52·3
	VI.—North-West Frontier Province.																						
15	Peshawar	1,110	28·586	−·005	29·671	28·767	2nd	28·385	28th	·382	83·4	97·7	−0·9	69·9	−0·1	83·8	−0·5	27·8	110·2	25th&26th	60·4	1st	49·8
	D. I. Khan	590	29·073	−·011	29·607	29·284	2nd	28·867	29th	·417	87·3	103·8	−0·4	75·2	+0·3	89·5	−0·1	28·6	115·4	25th	63·6	2nd	51·8
	VII.—Sind.																						
17	Jacobabad	186	29·455	−·003	29·660	29·646	2nd	29·237	29th	·409	90·0	113·5	+1·9	79·9	+1·7	96·7	+1·8	33·6	125·1	30th	72·8	17th	52·3
	Hyderabad	96	29·608	+·015	29·656	29·738	1st	29·448	31st	·290	85·7	105·3	−1·6	77·2	−1·2	91·3	−1·4	28·1	114·0	22nd	73·0	2nd	41·0
	Karachi	13	29·774	+·019	29·737	29·875	1st	29·642	31st	·233	80·5	86·7	−2·6	77·0	−1·5	81·8	−2·1	9·7	88·0	4 days	74·0	2nd	14·0
	VIII.—Rajputana.																						
18	Bikaner	*771*	28·905	+·014	29·630	29·073	3rd	28·751	30th	·322	90·1	109·1	+2·0	82·7	+0·1	95·9	+1·1	26·4	118·0	25th	73·0	2nd & 3rd	45·0
	Jodhpur	780	28·947	+·007	29·703	29·044	1st	28·812	29th	·232	85·3	104·9	−2·1	78·0	−2·8	91·5	−2·5	26·9	110·5	24th	71·3	3rd & 7th	39·2
19	Jaipur	1,431	28·305	+·013	29·673	28·422	1st	28·168	29th	·254	89·3	107·6	+1·0	78·6	+0·4	93·1	+0·7	29·0	114·2	24th	70·1	4th	44·1
	Sambhar	1,254	28·473	+·025	29·670	28·597	1st	28·339	29th	·258	89·6	106·9	+1·8	79·6	−0·6	93·2	+0·6	27·3	113·4	24th	66·4	1st	47·0
	Ajmer	1,611	28·146	+·019	29·697	28·245	1st	28·033	29th	·212	85·8	102·8	−1·0	81·4	+2·1?	92·1	+0·5?	21·4	106·9	24th	70·7	1st	36·2
	Kotah	819	28·885	+·001	29·681	29·000	1st	28·760	29th	·240	94·9	109·6	+0·4	85·1	−1·3	97·3	−0·5	24·5	116·0	25th	73·6	1st	42·4
	Udaipur	1,925	27·869	+·004	29·704	27·962	1st	27·767	29th	·195	89·3	102·1	−0·3	78·4	−0·4	90·3	−0·3	23·7	108·5	24th	69·3	1st	37·2

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.

—continued.

India, etc., in May, 1910—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 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, 1910.	Normal rainfall for period, 1st to 31st May.	Departure from normal of period, 1st to 31st May, 1910.	Heaviest rainfall during month.	Station.
6	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.*
	2	5	6	3	2	10	1	S 13° W	S 56° W	4·6	4·9	−0·3	23	+ 8	39	− 7	·497	−·135	0·7	−0·5	3	1·00	+2·00	0·61	0·31	+0·30	0·61	0·31	+0·30	0·28	Cawnpore.
	1	7	5	2	2	6		S 32° E	N 72° E	4·0	4·0	0	23	+10	43	− 3	·524	−·069	1·7	+0·2	4	1·50	+2·50	2·03	1·01	+1·02	2·03	1·01	+1·02	1·30	Lucknow.
1	1	9	16			1	2	S 66° E	S 72° E	4·5	4·9	−0·4	69	+23	51	− 9	·623	−·137	2·1	+0·7	2	2·50	−0·50	1·91	1·95	−0·04	1·91	1·95	−0·04	0·91	Bahraich.
1		4	3		1	10	3	N 61° W	N 70° W	7·0	4·7	+2·3	23	−17	25	− 7	·381	−·102	2·0	+1·0	1	0·70	+0·30	0·24	0·41	−0·17	0·24	0·41	−0·17	0·20	Jhansi.
		5	7	5	2	3	4	S 20° E	S 49° W	6·5	6·1	+0·4	27	−12	33	− 5	·478	−·058	1·7	+0·7	0	1·50	−1·50	0·01	0·56	−0·55	0·01	0·56	−0·55	0·01	Agra.
	3	4	5	4	3	6	3	S 7° W	N 81° W	3·0	2·8	+0·2	17	+ 2	37	− 5	·486	−·081	0·5	−0·8	2	1·10	+0·90	0·70	0·43	+0·27	0·70	0·43	+0·27	0·26	Mainpuri.
		3	4			2		S 53° E	S 73° E	1·8§	4·3	−2·5	17	+ 4	59	+11	·757	+·177	1·9	+0·4	2	2·27	−0·27	1·86	0·76	+1·10	1·86	0·76	+1·10	1·46	Bareilly.
		2	10	3	1	4	5	S 11° E	S 54° W	5·5	2·6	+2·9	13	− 8	57	+16	·766	+·252	1·1	−0·9	1	1·50	−0·50	1·26	0·60	+0·66	1·26	0·60	+0·66	1·12	Meerut.
	1		10				1	S 51° E	S 45° E	5·5	3·7	+1·8	30	+ 1	40	0	·483	+·001	1·1	−0·5	1	2·10	−1·10	2·32	0·82	+1·50	2·32	0·82	+1·50	2·27	Roorkee.
								(a)	N 2° W	2·7	2·2	+0·5			41	− 5	·431	−·036	2·4	0	2	3·40	−1·40	1·16	1·69	−0·53	1·16	1·69	−0·53	0·88	Dehra Dun.
																															V.—Punjab.
	2	2	7	3	3	6	6	S 43° W	S 73° W	5·8	4·4	+1·4	20	− 5	45	+ 7	·588	+·098	1·2	−1·2	0	2·20	−2·20	0·04	0·72	−0·68	0·04	0·72	−0·68	0·04	Delhi.
			3	1	9	10	4	S 72° W	S 39° W	4·9	6·2	−1·3	59	+34	29	− 8	·412	−·079	0·8	−2·1	0	1·60	−1·60	0·16	0·71	−0·55	0·16	0·71	−0·55	0·09	Sirsa.
	1	5	7	3		4	8	S 45° E		7·7			3		36		·460		0·2		0			0			0			0	Patiala.
		4	10	1	1	7	5	S 4° W	S 89° E	6·8	3·1	+3·7	10	+ 2	33	−16	·408	−·188	1·3	+0·2	1	1·70	−0·70	0·46	0·73	−0·27	0·46	0·73	−0·27	0·45	Ambala.
	2	1	8	2			4	S 75° E	S 44° E	3·3	2·6	+0·7	17	+ 3	33	− 7	·407	−·108	0·8	−1·1	0	1·60	−1·60	0·08	0·61	−0·53	0·08	0·61	−0·53	0·07	Ludhiana.
		3	9	1	1	2	5	N 42° E	N 72° E	3·6	3·2	+0·4	13	− 9	39	− 2	·506	+·005	0·9	−0·9	0	1·50	−1·50	0·08	0·82	−0·74	0·08	0·82	−0·74	0·07	Lahore.
	7	4	3	1			1	N 47° E	N 41° E	2·9	3·1	−0·2	46	+ 7	42	+ 1	·494	−·024	1·5	0	1	2·30	−1·30	0·46	1·03	−0·57	0·46	1·03	−0·57	0·46	Sialkot.
	2	2	3		1	2	2	N 34° E	N 14° E	2·7	3·0	−0·3	7	−11	44	0	·485	+·013	2·2	+0·1	2	3·00	−1·00	0·32	1·47	−1·15	0·32	1·47	−1·15	0·13	Rawalpindi.
	12	6	1	1	2		3	N 51° E	N 14° E	6·7	7·0	−0·3	49	+31	30‡	− 2	·427‡	−·015	0·7	−0·4	1	1·20	−0·20	0·20	0·78	−0·58	0·20	0·78	−0·58	0·16	Khushab.
	5	3	2	6	3	3	2	S 41° E	S 48° E	6·0	7·5	−1·5	7	− 7	25	−11	·357	−·163	0·6	−0·6	0	1·00	−1·00	0	0·27	−0·27	0	0·27	−0·27	0	Montgomery.
			5	2	1		1	S 41° E	S 12° E	1·3	2·6	−1·3	13	+ 6	36	− 8	·498	−·078	0·6	0	0	0·80	−0·80	0·02	0·30	−0·28	0·02	0·30	−0·28	0·02	Multan.
																															VI.—North-West Frontier Province.
	1	1	2	2	2	3	1	S 79° W	N 50° W	2·0	4·6	−2·6	6	− 5	47	+ 5	·528	+·048	2·3	+0·2	5	1·60	+3·40	1·14	0·75	+0·39	1·14	0·75	+0·39	0·42	Peshawar.
	8					1	3	N 12° E	N 16° E	1·9	2·4	−0·5	43	+18	47	− 2	·598	−·013	1·1	+0·2	1	1·00	0	0·21	0·34	−0·13	0·21	0·34	−0·13	0·21	D. I. Khan.
																															VII.—Sind.
	1	4	6		1			S 82° E	S 53° E	3·7	4·7	−1·0	27	− 2	53	+13?	·752	+·169?	0·3	−0·6	1	0·30	+0·70	0·19	0·16	+0·03	0·19	0·16	+0·03	0·17	Jacobabad.
				6	22	1		S 39° W	S 45° W	11·0	14·5	−3·5	82	− 8	54	− 3	·668	−·023	1·4	+0·4	0	0·30	−0·30	0	0·18	−0·18	0	0·18	−0·18	0	Hyderabad.
				2	8	19	2	S 77° W	S 56° W	14·5	16·9	−2·4	89	+35	86	+ 2	·891	−·023	3·5	−0·1	0	0	0	0	0	0	0	0	0	0	Karachi.
																															VIII.—Rajputana.
				4	12	10	3	S 66° W	S 36° W	9·6	7·9	+1·7	76	+11	35	−11	·563	−·138	1·0	−0·1	0	1·50	−1·50	0	0·88	−0·88	0	0·88	−0·88	0	Bikaner.
	1			5	21	2		S 42° W		7·1			76		43	+ 2	·520		1·2		0	1·20	−1·20	0	0·27	−0·27	0	0·27	−0·27	0	Jodhpur.
	2	1			1	11	12	N 58° W	S 88° W	7·4*	6·3	+1·1	66	+16	35	− 5	·484	−·052	0·9	−0·6	0	1·50	−1·50	0·06	0·49	−0·43	0·06	0·49	−0·43	0·0	Jaipur.
		1	1			15	6	N 67° W	N 84° W	10·6	10·2	+0·4	66	+ 1	36	− 5	·509	−·039	0·3	−0·9	0	1·60	−1·60	0	0·76	−0·76	0	0·76	−0·76	0	Sambhar.
					5	15	5	W	S 79° W	12·9	8·8	+4·1	71	− 4	47	+ 3	·579	+·010	0·5	−0·5	0	1·50	−1·50	0	0·61	−0·61	0	0·61	−0·61	0	Ajmer.
			1		4	9	6	N 66° W		4·4			53		29	+ 1	·478		0·7		0	1·20	−1·20	0	0·54	−0·54	0	0·54	−0·54	0	Kotah.
						19	5	N 73° W		7·4			79		34	− 9	·472		1·0		0	1·70	−1·70	0	1·05	−1·05	0	1·05	−1·05	0	Udaipur.

* Uncorrected for scale error. (a) Indeterminate. ‡ Mean of 29 days. § Mean of 30 days.

Tabl

(2) *Abstract of observations taken at 8 hrs., at 240 station*

Number of subdivision.	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
	IX.—Bombay.																						
20	Deesa	466	29·338	+·035	29·757	29·408	12th	29·252	31st	·156	84·1	106·5	−0·2	75·5	−2·0	91·0	−1·1	31·0	111·3	17th	71·4	5th	39·9
	Bhuj	395	29·412	+·052	29·759	29·489	1st	29·305	31st	·184	83·3	100·4	−0·9	75·2	−1·5	87·8	−1·2	25·2	106·0	10th	71·0	2nd	35·0
	Jamnagar	61	29·767		29·773	29·840	1st	29·659	31st	·181	85·4	95·9		75·4		85·6		20·5	100·5	22nd	70·8	2nd	29·7
	Dwarka	37?	29·814		29·797	29·884	16th	29·695	31st	·189	82·7	86·8		79·7		83·3		7·1	88·3	23rd, 28th & 31st.	77·2	1st & 3rd	11·1
	Rajkot	429	29·408	+·049	29·788	29·477	16th	29·325	31st	·152	83·8	103·2	−2·2	74·1	−1·1	88·7	−1·7	29·1	106·1	4 days	68·0	5th	38·1
	Veraval	*18*	29·818	+·039	29·808	29·899	12th & 16th.	29·747	31st	·152	81·6	85·2	−1·5	77·7	−0·7	81·5	−1·1	7·5	90·1	1st	73·3	5th	16·8
	Bhavnagar Para	55	29·813	+·028	29·812	29·870	12th	29·720	31st	·150	85·4	106·0	+3·1?	77·6	−1·2	91·8	+0·9?	28·4	109·7	4 days	74·0	5th	35·7
	Surat	39	29·817	+·030	29·801	29·873	12th	29·740	31st	·133	85·5	96·6	−1·6	78·0	−0·1	87·3	−0·9	18·6	105·1	1st	74·1	4th	31·9
	Ahmedabad	163	29·662	+·025	29·773	29·725	11th	29·584	31st	·141	84·5	107·1	0	77·7	−1·8	92·4	−0·9	29·4	110·6	17th	75·2	7th	35·4
26	Bombay	37	29·857	+·035	29·834	29·904	2nd	29·778	31st	·126	83·1	91·1	+0·4	80·4	−0·3	85·7	+0·1	10·7	92·5	5 days	77·5	5th	15·9
	Ratnagiri	110	29·785	+·042	29·833	29·841	16th	29·709	31st	·132	84·2	89·8	−1·3	78·9	−0·7	84·3	−1·0	10·9	91·8	21st & 29th.	75·9	6th	15·9
	Goa	199	P	P	P	P	P	P	P	P	82·9	86·9	−3·1	80·5†	0 †	83·7†	−1·5	6·4	89·1	15th	78·1	1st	11·0
	Mormugao	*60*	29·839	+·028	29·833	29·888	12th	29·766	31st	·122	84·8	89·6	−0·4	75·9	−1·2	84·7	−0·8	9·7	92·0	11th	74·7	16th	17·1
	Karwar	44	29·867	+·046	29·845	29·913	5th	29·798	31st	·115	82·9	90·0	+0·2	79·1	−0·6	84·5	−0·2	10·9	92·3	17th	74·5	16th	17·4
27	Malegaon	1,430	28·405	+·025	29·772	28·458	12th	28·329	29th	·129	86·6	104·0	0	75·5	+0·4	89·8	+0·2	29·5	107·9	18th	67·6	6th	40·1
	Ahmednagar	2,154	27·752	+·062	29·825	27·826	12th	27·673	31st	·153	83·9	101·8	+2·4	71·8	0	86·8	+1·2	30·0	105·4	18th & 19th.	66·5	31st	38·9
	Poona	1,846	28·065	+·059	29·854	28·125	12th	27·990	31st	·135	80·6	98·6	−0·6	72·1	+0·2	85·4	−0·2	26·5	104·0	16th & 18th.	66·8	6th	37·2
	Sholapur	1,580	28·258	+·027	29·781	28·315	12th	28·196	28th	·119	84·9	105·0	+0·2	78·7	+2·2	91·9	+1·2	26·3	109·8	18th	74·4	21st	35·4
	Bijapur	*1,943*	27·915	+·019	29·788	27·969	12th	27·862	31st	·107	82·7	102·4	+2·1	75·3	+0·6	88·8	+1·3	27·1	106·2	15th	69·7	25th	36·5
	Belgaum	2,539	27·362	+·040	29·825	27·410	12th	27·306	31st	·104	76·6	95·0	+2·0	67·4	−0·8	81·2	+0·6	27·6	101·3	8th	64·5	5 days	36·8
	X.—Central India.																						
21	Neemuch	1,624	28·150	+·018	29·717	28·241	1st	28·049	24th	·192	84·1	101·2	−2·8	77·1	0	89·1	−1·4	24·1	106·0	14th & 19th.	68·8	1st & 7th.	37·2
	Indore	1,823	27·985	+·033	29·736	28·045	5th	27·906	25th	·139	85·6	102·3	−0·5	76·3	+0·4	89·3	−0·1	26·0	106·1	19th	70·6	1st	35·5
22	Nowgong	754	28·934	−·004	29·625	29·091	1st	28·774	29th	·317	87·7	107·9	+0·5	79·6	−0·2	93·8	+0·1	28·3	114·0	24th	68·5	1st	45·5
	Sutna	1,040	28·646	−·004	29·623	28·809	1st	28·527	29th	·282	92·0	107·1	+1·6	80·3	+1·0	93·7	+1·3	26·8	111·0	6 days	74·2	1st, & 31st.	36·8
	XI.—Central Provinces.																						
23	Buldana	2,132	27·717		29·764	27·782	12th	27·649	29th	·133	88·8	100·7		77·1		88·9		23·6	105·0	19th	68·7	23rd	36·3
	Akola	930	28·869	+·035	29·740	28·958	1st	28·793	28th	·165	88·5	108·2	+0·5	80·7	−0·4	94·4	+0·1	27·5	111·2	18th & 19th.	73·1	2nd	38·1
	Amraoti	1,215	28·567	+·029	29·714	28·680	1st	28·471	28th	·209	89·5	107·5	−0·2	80·7	+0·7	94·1	+0·3	26·8	110·8	18th & 19th.	74·3	6th	11·5
24	Khandwa	1,044	28·749	+·028	29·749	28·815	1st	28·670	25th	·145	87·0	106·6	+0·1	81·7	+0·8	94·1	+0·5	24·9	110·2	19th	75·6	6th	34·6
	Hoshangabad	1,006	28·766	+·020	29·714	28·886	1st	28·672	29th	·214	90·5	107·4	−0·2	80·0	−0·3	93·7	−0·3	27·4	110·6	26th & 28th.	73·4	6th	37·2
	Saugor	1,807	28·943	+·008	29·663	28·075	1st	27·823	29th	·252	90·0	105·1	0	80·7	+2·2	92·9	+1·1	24·4	109·1	26th	74·5	4th	34·6
	Jubbulpore	1,327	28·408	+·013	29·667	28·570	1st	28·296	29th	·274	90·1	106·4	+0·8	79·5	+0·6	92·9	+0·7	26·9	110·8	25th & 26th.	71·3	1st & 4th.	39·5
	Seoni	2,033	27·749	+·018	29·677	27·911	1st	27·639	29th	·275	90·5	104·3	+0·9	71·2	−5·9?	88·0	−2·5?	33·6	109·5	26th	61·5	4th	48·0
	Nagpur	1,017	28·736	+·025	29·686	28·912	1st	28·630	28th	·282	92·0	108·8	−0·5	82·5	+0·6	95·7	+0·1	26·3	113·1	18th	71·8	1st	41·3
25	Pendra	2,123?	27·710		29·629	27·880	1st	27·604	29th	·276	90·3	102·5		78·9		90·7		23·6	107·3	28th	66·2	1st	41·1
	Raipur	970	28·764	+·017	29·666	28·958	1st	28·646	28th	·312	90·3	106·6	−0·6	81·9	−0·1	94·4	−0·3	24·9	112·7	18th	70·6	1st & 25th.	42·1
	Chanda	*634*	29·126	+·025	29·690	29·281	1st	29·018	28th	·263	92·7	110·0	+0·5	82·5	+0·6	96·3	+0·5	27·5	114·0	18th & 19th.	74·0	1st	40·0
	Jagdalpur		27·956		29·654§	28·111	1st	27·829	28th	·282	86·8	100·2		78·1		89·2		22·1	105·7	26th	70·1	1st & 10th.	35·6

N.B.—Elevations in italics indicate barometrical determinations. ‡ Mean of 28 days.

† Mean of 30 days, § Mean of 29 days.

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

Mean of 25 days.

—continued.

India, etc., in May, 1910—continued.

Wind direction. Number of winds from N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction. (34)	Normal direction. (35)	Wind velocity. Mean velocity, miles per hour. (36)	Normal. (37)	Departure from normal. (38)	Wind steadiness. Actual percentage. (39)	Departure from normal. (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal. (42)	Mean vapour tension at 8 hrs., in inches of mercury. (43)	Departure from normal, in inches of mercury. (44)	Cloud. Mean cloud amount at 8 hrs. (45)	Departure from normal. (46)	Rainfall. Number of rainy days. (47)	Normal number of rainy days. (48)	Departure from normal. (49)	Rainfall of month. (50)	Normal rainfall of month. (51)	Departure from normal. (52)	Total rainfall from 1st to 31st May, 1910. (53)	Normal rainfall for period, 1st to 31st May. (54)	Departure from normal of period, 1st to 31st May, 1910. (55)	Heaviest rainfall during month. (56)	Station. (57)
																														IX.—Bombay.
							N	S 83° W	12·2*	13·4	−1·2	97	+32	57	−1	·669	−·030	2·0	−0·4	0	0·55	−0·55	0	0·25	−0·25	0	0·25	−0·25	0	Deesa.
				8	15	7	N 89° W	S 77° W	17·2	17·4	−0·2	82	−1	62	−1	·699	−·071	2·3	+1·0	0	0·30	−0·30	0·03	0·09	−0·06	0·03	0·09	−0·06	0·03	Bhuj.
				15	16		S 68° W		21·7			92		67		·815		0·8		0			0			0			0	Jamnagar.
			1	14	14	2	S 69° W		15·2			86		79		·882		2·5		0			0			0			0	Dwarka.
				9	19	3	S 82° W	N 89° W	14·3	14·4	−0·1	89	+7	65	−6	·745	−·080	1·7	+0·1	0	0·60	−0·60	0	0·22	−0·22	0	0·22	−0·22	0	Rajkot.
			1	4	15	4	S 87° W	N 89° W	8·2	9·4	−1·2	69	−7	86	+5	·918	+·012	3·5	−0·5	0	0·10	−0·10	0	0·02	−0·02	0	0·02	−0·02	0	Veraval.
1			1	11	6	12	N 88° W	S 62° W	11·1	14·1	−3·0	69	−12	65	−1	·799	−·039	1·8	−1·9	0	0·40	−0·40	0	0·10	−0·10	0	0·10	−0·10	0	Bhavnagar Para.
	1		8	7	9		S 18° W	S 54° W	7·5	11·1	−3·6	59	−9	65	−3	·800	−·047	2·3	−1·1	0	0·30	−0·30	0	0·13	−0·13	0	0·13	−0·13	0	Surat.
		1	8	10	9	3	S 52° W	S 81° W	7·1*	7·0	+0·1	72	+9	58	−1	·680	−·074	1·8	−0·9	0	0·50	−0·50	0	0·01	−0·01	0	0·01	−0·01	0	Ahmedabad.
	1	1	1	3	8	12	N 63° W	N 81° W	9·2	10·1	−0·9	62	+15	76	+3	·873	−·006	4·0	−0·1	0	0·70	−0·70	0·03	0·71	−0·68	0·03	0·71	−0·68	0·02	Bombay.
3	1	2		1	2	12	N 20° W	N 48° W	11·8	9·7	+2·1	62	+5	70	+1	·820	−·019	3·4	−0·1	0	1·50	−1·50	0·02	1·45	−1·43	0·02	1·45	−1·43	0·02	Ratnagiri.
2	2		1	1	2	15	N 29° W	N 38° W	9·1	7·9	+1·2	66	+10	79	+6	·894	+·025	6·2	+2·2	1			0·98	2·33	−1·35	0·98	2·33	−1·35	0·98	Goa.
1	1	1	1		4	18	N 44° W	N 28° W	9·3*	10·9	−1·6	69	+7	76	0	·905	−·005	5·4	+0·8	2			0·53	2·57	−2·04	0·53	2·57	−2·04	0·36	Mormugao.
12				1		1	N 18° E	N 30° W	6·3	5·7	+0·6	72	+9	73	−4	·826	−·023	2·9	−1·0	0	3·60	−3·60	0·07	3·28	−3·21	0·07	3·28	−3·21	0·05	Karwar.
		1		2	14	12	N 73° W	N 79° W	12·2	13·3	−1·1	79	−1	41	−17?	·512	−·226?	0·7	−1·4	0	1·20	−1·20	0	0·73	−0·73	0	0·73	−0·73	0	Malegaon.
				1	1	27	N 45° W	N 34° W	12·7	14·9	−2·2	96	+28	36	−24?	·419	−·260?	0·7	−1·4	2	1·80	+0·20	0·25	0·88	−0·63	0·25	0·88	−0·63	0·15	Ahmednagar.
				9	21	1	S 79° W	N 80° W	10·7	15·3	−4·6	96	+13	52	−2	·534	−·014	0·7	−1·9	0	2·10	−2·10	0·09	1·33	−1·24	0·09	1·33	−1·24	0·07	Poona.
			2	2	1	23	S 54° W	N 55° W	9·2	11·3	−2·1	76	0	41	−4	·494	−·034	2·2	−0·9	0	2·00	−2·00	0	1·00	−1·00	0	1·00	−1·00	0	Sholapur.
1		1	2	7	8	8	N 81° W	N 81° W	10·5	8·3	+2·2	56	−21	49	−15	·539	−·143	1·9	−1·3	2	3·30	−1·30	0·86	1·79	−0·93	0·86	1·79	−0·93	0·67	Bijapur.
	2	1	2	5	15	5	S 85° W	N 67° W	16·3	17·6	−1·3	62	+8	64	−5	·585	−·032	2·7	−1·0	3	4·70	−1·70	0·98	2·49	−1·51	0·98	2·49	−1·51	0·64	Belgaum.
																														X.—Central India.
		1			25	1	N 83° W	S 84° W	8·9	12·0	−3·1	82	+13	53	+3	·607	−·031	1·1	+0·2	1	1·00	0	0·10	0·45	−0·35	0·10	0·45	−0·35	0·10	Neemuch.
		1			23	7	N 82° W	N 71° W	9·9	6·3	+3·6	89	+14	51	+1	·625	+·005	1·6	+0·5	0	1·20	−1·20	0·02	0·59	−0·57	0·02	0·59	−0·57	0·02	Indore.
	2		3	8	11	2	S 68° W	N 82° W	4·1	3·7	+0·4	56	+2	39	+5?	·511	+·021?	1·5	+0·1	1	0·90	+0·10	0·83	0·33	+0·50	0·83	0·33	+0·50	0·83	Nowgong.
2	5	1	1	4	13	5	N 88° W	N 73° W	5·2	8·1	−2·9	39	−5	25	−4	·348	−·080	4·2	+3·2	3	1·10	+1·90	1·26	0·38	+0·88	1·26	0·38	+0·88	0·52	Sutna.
																														XI.—Central Provinces.
			1	1	14	13	N 69° W		11·0	12·2	−1·2	81		41		·463		2·2		1			0·72	0·58	+0·14	0·72	0·58	+0·14	0·72	Buldana.
2					15	14	N 67° W	N 68° W	10·5	9·6	+0·9	82	−4	36	−2	·474	−·045	3·0	+1·1	1	0·80	+0·20	0·36	0·43	−0·07	0·36	0·43	−0·07	0·27	Akola.
1		1		3	13	12	N 71° W	N 77° W	11·3	6·9	+4·4	76	+8	31	−8	·432	−·110	1·3	−0·8	0	1·50	−1·50	0	0·63	−0·63	0	0·63	−0·63	0	Amraoti.
1				1	16	13	N 71° W	N 70° W	14·1	10·3	+3·8	86	0	38	−5	·492	−·057	1·3	+0·2	0	0·80	−0·80	0	0·35	−0·35	0	0·35	−0·35	0	Khandwa.
		1		6	20	1	S 81° W	S 66° W	5·8	4·1	+1·7	79	+17	33	−8	·471	−·082	2·6	+1·3	0	1·00	−1·00	0	0·55	−0·55	0	0·55	−0·55	0	Hoshangabad.
2			1	4	18	4	N 87° W	S 86° W	8·2	5·3	+2·9	72	+22	24	−12	·342	−·144	2·8	+1·6	0	1·00	−1·00	0·04	0·59	−0·46	0·04	0·50	−0·46	0·03	Saugor.
			2	9	13	7	S 82° W	S 78° W	3·8	4·3	−0·5	79	+25	26	−7	·366	−·098	1·2	−0·2	0	1·30	−1·30	0	0·55	−0·55	0	0·55	−0·55	0	Jubbulpore.
				3	9	12	N 5° W	N 39° W	6·0	4·7	+1·3	72	+34	24	−9	·340	−·121	1·7	−0·1	0	1·90	−1·90	0·13	0·68	−0·55	0·13	0·68	−0·55	0·06	Seoni.
2	1		4	4	15	4	S 85° W	N 48° W	7·1	8·0	−0·9	59	+12	32	−2	·472	−·042	1·6	−1·1	3	1·40	+1·60	1·29	0·72	+0·67	1·39	0·72	+0·67	0·95	Nagpur.
3		1	8	5	2	7	S 81° W		7·2			27		25		·337		2·0		2			0·99			0·99			0·82	Pendra.
			1	17	7	1	S 62° W	S 76° W	6·9	8·0	−1·1	72	+29	30	−5	·404	−·108	3·3	+0·2	2	2·30	−0·30	0·69	0·94	−0·25	0·69	0·94	−0·25	0·42	Raipur.
		4	1	7	7	9	S 84° W	S 84° W	8·3	4·8	+3·5	49	+26	33	−3	·513	−·025	1·2	−1·1	2	1·70	+0·30	0·36	0·74	−0·38	0·36	0·74	−0·38	0·13	Chanda.
2		2	3	16	2	3	S 46° W					59		51		·644		2·6		4			2·21			2·21			0·76	Jagdalpur.

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

* Uncorrected for scale error.

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. 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.
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	27·959	+·005?	29·789	28·026	12th	27·396	31st	·130	84·6	103·3	−1·1?	75·4	+0·2	89·3	−0·5?	27·9	106·2	4 days	69·2	3rd
	Nizamabad	1,248	28·542	−·020?	29·719	28·635	1st	28·445	31st	·190	89·5	108·2	+2·3	81·8	+0·7	95·0	+1·5	26·4	111·9	20th	71·7	1st
	Bidar	*2,165*	27·642?		29·711?	27·746	6th	27·567	28th	·179	85·3	102·3		74·2		88·3		28·1	106·0	19th & 20th.	62·0	2nd
29	Gulbarga	1,503	28·332	+·012	29·761	28·411	12th	28·273	29th	·138	86·7	105·5	+0·7	79·9	+1·4	92·7	+1·1	25·6	110·5	18th	70·3	2nd
	Raichur	*1,311*	28·532	+·029	29·780	28·601	12th	28·475	29th	·125	85·2	104·1	+0·7	79·3	−0·2	91·7	+0·3	24·8	109·6	20th	72·6	14th
	Hyderabad (Deccan).	1,690	28·130	+·020	29·740	28·233	1st	28·041	28th	·192	87·2	104·3	+0·5	80·9	+2·3	92·6	+1·4	23·4	109·8	20th	73·2	14th
	Hanumkonda	871	28·900	−·001	29·704	29·066	1st	28·772	5th	·294	91·6	107·2	+2·6	84·3	+2·3	95·8	+2·5	22·9	114·0	19th	74·2	1st
	XIII.—Mysore.																					
30	Chitaldroog	2,405	27·497	+·021	29·838	27·534	21st	27·449	28th	·085	77·3	95·3	+1·6	72·3	+1·3	83·8	+1·5	23·0	99·6	20th	66·4	12th
	Hassan	3,149	26·814	+·031	29·865	26·859	19th	26·756	31st	·103	73·7	87·6	0	67·0	0	77·3	0	20·6	90·9	6th	62·9	2nd
	Bangalore	3,021	26·927	+·031	29·839	26·974	1st	26·870	31st	·104	76·6	94·0	+2·7	69·6	+0·5	81·8	+1·6	24·4	97·8	18th & 20th.	64·8	21st
	Mysore	2,518	27·415	+·020	29·862	27·453	12th	27·360	31st	·093	75·8	90·3	−1·8	69·6	0	80·0	−0·9	20·7	93·0	16th	65·5	2nd
	XIV—Madras.																					
31	Mangalore	65	29·832	+·016	29·829	29·880	19th	29·762	31st	·118	84·4	91·5	+0·5	76·4	−1·0	84·0	−0·3	15·1	93·3	5th, 8th & 9th.	71·3	11th
	Calicut	27	29·858	+·014	29·824	29·907	5th	29·798	31st	·109	82·5	89·4	−1·0	78·6	+0·7	84·0	−0·1	10·8	91·3	2nd, 5th & 20th.	73·1	10th
	Cochin	9	29·901	+·026	29·838	29·929	22nd	29·845	31st	·034	82·6	89·9	+0·3	77·1	−0·5	83·5	−0·1	12·8	91·7	18th & 28th.	67·2	6th
	Trivandrum	198	29·705	+·018	29·834	29·738	1st & 19th.	29·630	31st	·108	81·7	86·6	+0·3	77·8	+1·5	82·2	+0·9	8·8	89·5	1st	76·0	8th & 13th.
32	Tinnevelly	168	29·703	+·021	29·799	29·773	1st	29·627	31st	·146	88·4	102·5	+2·1	80·6	−0·1	91·5	+1·0	21·9	106·2	23rd	76·9	3rd
	Pamban	37	29·814	+·009	29·778	29·908	1st	29·742	31st	·166	85·6	92·4	+1·2	81·2	−0·2	86·8	+0·5	11·2	93·7	16th	80·0	6th
	Madura	447	29·420	+·036	29·800	29·512	1st	29·341	31st	·171	86·1	101·4	+1·3	77·8	+0·3	89·6	+0·8	23·6	103·9	19th	73·1	14th
	Pudukkottai	318	29·540		29·788	29·605	11th	29·463	31st	·142	85·9	102·2		79·5		90·9		22·7	105·6	19th	68·8	19th
	Negapatam	31	29·809	+·015	29·769	29·914	1st	29·721	28th	·193	87·2	99·2	+1·9	81·7	+1·5	90·5	+1·7	17·5	105·5	19th	78·0	14th
	Trichinopoly	255	29·600	+·022	29·785	29·696	1st	29·520	31st	·176	86·3	101·1	−0·7	79·1	+0·4	90·1	−0·1	22·0	105·1	19th	70·3	20th
	Coimbatore	1,341	28·527	+·021	29·812	28·597	1st	28·455	31st	·142	80·4	97·3	+2·3	73·7	+0·3	85·5	+1·3	23·6	100·4	4th	71·3	4 days
	Salem	940	28·949	+·020	29·825	29·030	1st	28·881	31st	·149	83·4	100·9	+1·7	77·5	+1·6	89·2	+1·7	23·4	104·5	28th	71·4	15th, 19th & 21st.
	Cuddalore	37	29·793	+·023	29·759	29·915	1st	29·707	31st	·208	87·7	100·1	+1·3	80·7	+0·6	90·4	+0·9	19·4	108·6	20th & 21st.	76·2	12th
	Vellore	707	29·122		29·762	29·232	1st	29·046	28th	·186	86·7	103·9		79·7		91·8		24·2	109·7	21st	72·5	21st
	Madras	22	29·795	+·011	29·747	29·945	1st	29·679	28th	·266	89·0	100·4	+1·9	81·7	+0·6	91·0	+1·3	18·7	113·0	21st	77·5	2nd
33	Cuddapah	433	29·400	+·022	29·764	29·485	1st	29·329	28th	·156	90·1	107·9	+1·6	82·6	−0·9	95·3	+0·3	25·3	112·2	21st	72·6	12th
	Bellary	1,475	28·378	+·027	29·789	28·435	1st	28·305	28th	·130	83·6	102·9	+0·5	76·6	−0·9	89·7	−0·2	26·3	106·0	6th, 7th & 18th.	70·3	8th & 18th.
	Kurnool	923	28·907	+·019	29·766	28·975	1st	28·843	27th	·132	85·6	105·4	+0·6	80·2	−0·8	92·8	−0·1	25·2	110·2	18th	74·1	14th
34	Nellore	66	29·725	+·017	29·723	29·867	1st	29·602	28th	·285	90·3	105·7	−0·3	82·5	+0·5	94·1	+0·1	23·2	113·1	21st	76·1	3rd
	Masulipatam	15	29·766	+·010	29·715	29·942	1st	29·631	28th	·311	90·6	103·9	+3·8	81·9	+0·3	92·9	+2·1	22·0	115·8	26th	76·2	3rd
	Cocanada	26	29·753	+·004	29·715	29·933	1st	29·627	28th & 29th.	·306	87·7	102·5	+1·8	83·1	+0·3	92·8	+1·1	19·4	114·2	23rd	78·5	3rd
	Waltair (Vizagapatam).	*226*	29·542	+·005	29·707	29·726	1st	29·427	29th	·299	86·7	91·5		81·5		86·5		10·0	97·6	20th	77·9	2nd
	Calingapatam	19	29·737		29·696	29·925	1st	29·621	28th	·304	86·6	91·6		81·2		87·9		13·4	97·4	31st	73·5	10th
	Gopalpur	72	29·667	+·016	29·680	29·853	1st	29·559	28th	·294	84·5	91·1	+1·3	79·2*	−1·3	85·1*	0	11·9	94·7	11th	69·0	10th

* Mean of 30 days.

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

N.B.—Elevations in italics indicate barometrical determinat ons.

3—continued.

n India, etc., in May, 1910—continued.

Wind direction. Number of winds from N. (26)	N. E. (27)	E. (28)	S. E. (29)	S. (30)	S. W. (31)	W. (32)	N. W. (33)	Resultant direction. (34)	Normal direction. (35)	Wind velocity. Mean velocity, miles per hour. (36)	Normal. (37)	Departure from normal. (38)	Wind steadiness. Actual percentage. (39)	Departure from normal. (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal. (42)	Mean vapour tension at 8 hrs. in inches of mercury. (43)	Departure from normal in inches of mercury. (44)	Cloud. Mean cloud amount at 8 hrs. (45)	Departure from normal. (46)	Rainfall. Number of rainy days. (47)	Normal number of rainy days. (48)	Departure from normal. (49)	Rainfall of month. (50)	Normal rainfall of month. (51)	Departure from normal. (52)	Total rainfall from 1st to 31st May, 1910. (53)	Normal rainfall for period, 1st to 31st May. (54)	Departure from normal of period, 1st to 31st May, 1910. (55)	Heaviest rainfall during month. (56)	Station. (57)
																															XII.—Hyderabad.
6	2				2	11	10	N 54° W		18·5			72		41	+ 1	·475		1·9		1	1·60	−0·60	0·32	0·65	− 0·33	0·32	0·65	−0·33	0·32	Aurangabad.
			1	1	9	9	3	S 70° W		†7·4			59		40	−11	·564		2·8		2	1·20	+0·80	0·32	0·33	− 0·01	0·32	0·33	− 0·01	0·18	Nizamabad.
3			2	1	5	3	14	N 65° W		8·3			52		47		·565		0·7		2	2·50	−0·50	2·48	1·00	+ 1·48	2·48	1·00	+ 1·48	2·09	Bidar.
3	5	1	1	2	3	1	15	N 35° W	N 44° W	10·6	12·5	−1·9	49	−12	44	−11	·552	−·095	1·2	−2·2	0	2·50	−2·50	0·06	1·16	− 1·10	0·06	1·16	− 1·10	0·06	Gulbarga.
1	1			1	11	6	11	N 88° W	N 83° W	9·7	11·5	−1·8	69	0	53	− 1	·639	−·003	3·4	+0·1	2	1·30	+0·20	0·19	0·72	−0·23	0·49	0·72	− 0·23	0·26	Raichur.
			1			9	7	N 72° W	S 82° W	5·1	6·4	−1·3	46	−14	41	− 9	·526	−·092	2·9	0	2			0·46	0·99	− 0·53	0·46	0·99	− 0·53	0·20	Hyderabad (Deccan).
1			8	4	4	6	8	S 56° W		11·0			37		37	−13	·524		3·2		2	1·00	+1·00	0·40	0·61	− 0·21	0·40	0·61	− 0·21	0·18	Hanumkonda
																															XIII.—Mysore.
				2	10	13	5	S 76° W	S 81° W	7·6	9·0	−1·4	76	− 7	73	− 3	·690	+·026	5·6	+0·1	4	4·60	−0·60	1·70	3·74	− 2·04	1·70	3·74	− 2·04	1·00	Chitaldroog.
3	1	1			4	11	8	N 69° W	N 80° W	7·9	4·0	+3·9	61	−17	79	+ 4	·653	+·014	3·7	−2·0	7	7·80	−0·80	6·46	5·17	+ 1·29	6·46	5·17	+ 1·29	2·13	Hassan.
1				3	3	20	3	S 85° W	S 75° W	7·7	6·3	+1·4	79	− 4	68	− 8	·627	−·041	3·2	−1·5	4	6·50	−2·50	1·17	4·22	− 3·05	1·17	4·22	− 3·05	0·57	Bangalore.
	1	1	1		11	12	2	S 71° W	S 74° W	7·8	10·2	−2·4	66	−10	78	+ 4	·695	+·028	4·3	−0·7	10	8·30	+1·70	4·72	3·37	+ 1·35	4·72	3·37	+ 1·35	1·23	Mysore.
																															XIV.—Madras.
14	3	3	1				5	N 7° E	N 18° E	†5·6	3·8	+1·8	62	+37	71	− 7	·847	−·029	5·8	−0·6	3	6·90	−3·90	0·84	6·66	− 5·82	0·84	6·66	− 5·82	0·5	Mangalore.
1	1	2	1	1		8	8	N 61° W	N 15° W	7·3	11·2	−3·9	40	0	80	+ 1	·892	+·012	5·0	−0·4	7	9·00	−2·00	5·26	7·78	− 2·52	5·26	7·78	− 2·52	2·18	Calicut.
2	16	5	1				2	N 48° E	N 29° E	†7·1	6·2	+0·9	66	+19	78	− 4	·872	−·025	5·1	−0·6	12	12·90	−0·90	9·74	12·39	− 2·65	9·74	12·39	−2·65	1·71	Cochin.
10	1	1					12	N 19° W	N 16° W	†5·5	7·1	−1·6	69	+ 1	81	0	·887	+·016	6·1	−0·1	9	10·20	−1·20	3·18	9·05	− 5·87	3·18	9·05	− 5·87	0·81	Trivandrum.
4	1			1	4	9	8	N 69° W	N 75° W	5·3	5·6	−0·3	59	+11	55	− 6	·734	−·060	3·5	−1·4	0	3·30	−3·30	0·03	1·37	− 1·34	0·03	1·37	− 1·34	0·03	Tinnevelly.
		1	2	16	12			S 13° W	S 22° W	14·7	11·7	+3·0	89	+16	76	− 3	·924		3·3		0	1·20	−1·20	0	0·55	− 0·55	0	0·55	−0·55	0	Pamban.
4	6	3	1		1	8	8	N 27° W	N 38° W	5·9	6·2	−0·3	46	−11	65	− 1	·801	−·013	5·3	+1·3	4	4·20	−0·20	2·63	2·65	− 0·02	2·63	2·65	−0·02	1·03	Madura.
1			3	2	9	10	4	S 68° W		10·2			29		71		·874		4·5		4			2·00			2·00			0·88	Pudukkottai.
			4	1	18	8		S 47° W	S 46° W	11·3	7·9	+3·4	76	+ 4	62	− 6	·804	−·071	4·2	+0·1	0	2·10	−2·10	0	1·61	−1·61	0	1·61	−1·61	0	Negapatam.
		1	4	2	9	14		S 56° W	S 76° W	†5·2	6·1	−0·9	65	− 9	59	− 5	·743	−·038	3·8	−0·6	5	3·50	+1·50	4·62	2·94	+1·68	4·62	2·94	+1·68	2·40	Trichinopoly.
	3	1			13			S 41° W	S 22° W	4·3	4·5	−0·2	30	−38	86	+ 6	·896	+·079	3·9	−0·4	2	4·70	−2·70	0·52	2·28	− 1·76	0·52	2·28	− 1·76	0·41	Coimbatore.
1		1	1	3	3	16	1	S 77° W	S 48° W	5·9	4·1	+1·8	56	+ 6	82	+11	·938	+·126	4·4	+0·2	4	7·10	−3·10	3·10	5·01	− 1·91	3·10	5·01	− 1·91	1·40	Salem.
			4	14	8	4		S 17° W	S 47° W	10·4	2·9	+7·5	76	+ 8	65	− 8	·863	−·081?	4·7	+0·5	0	1·20	−1·20	0	0·28	− 0·28	0	0·28	− 0·28	0	Cuddalore.
	1		17				9	S 50° E		5·0			26		59		·741		3·0		2	4·40	−2·40	0·76	3·02	−2·26	0·76	3·02	− 2·26	0·39	Vellore.
	1		5	13	3	7	2	S 21° W	S 41° W	†9·1	9·1	0	59	−13	61	− 3	·838	−·026	4·3	+0·2	0	2·30	−2·30	0·01	0·90	− 0·89	0·01	0·90	− 0·89	0·01	Madras.
1			4		3	10	13	N 74° W	N 89° W				59	− 2	56	+ 3	·789	+·050	3·6	0	2	2·50	−0·50	0·52	1·80	− 1·28	0·52	1·80	− 1·28	0·24	Cuddapah.
	2	1			3	10	8	N 73° W	N 74° W	6·7	8·5	−1·8	53	−12	52	− 1	·588	−·038	3·2	−1·5	5	3·20	+1·80	3·05	1·98	+1·07	3·05	1·98	+ 1·07	1·57	Bellary.
1		1	2	1	8	5	11	N 87° W	N 84° W	†10·4			53	+17	59	+ 7	·716	+·045	3·0	−0·4	5	2·90	+2·10	1·10	0·95	+ 0·15	1·10	0·95	+ 0·15	0·31	Kurnool.
3	1		5	8	2	5	7	S 58° W	S 69° W	†9·3	8·8	+0·5	27	− 5	62	− 1	·870	−·012	4·4	+0·2	0	1·60	−1·60	0	0·39	− 0·39	0	0·39	− 0·39	0	Nellore.
1				11	12	3	4	S 42° W	S 38° W	10·0	8·9	+1·1	69	+28	76*	0	1·073	+·028	2·7	−2·5	1	1·90	−0·90	0·42	1·27	− 0·85	0·42	1·27	− 0·85	0·30	Masulipatam.
		2	1	2	17	8		S 50° W	S 56° W	7·7	8·1	−0·4	76	+22	75	+ 5	·978	+·057	6·1	+1·1	1	2·80	−1·80	0·36	0·93	− 0·57	0·36	0·93	− 0·57	0·28	Cocanada.
	2		1	2	25	1		S 41° W	S 72° W	13·5			79	− 4	67	− 8	·861	−·070	4·9	−1·0	2	3·40	−1·40	0·62	2·47	− 1·85	0·62	2·47	− 1·85	0·25	Waltair. (Vizagapatam)
1		1	2	2	19	4		S 47° W		9·8			71		75		·942		3·2		2			1·06			1·06			0·80	Calingapatam.
		1	1	14	13		1	S 19° W	S 30° W	18·9	17·5	+1·4	82	+14	80	− 4	·945	−·041	2·3	−3·1	4	3·30	+0·70	2·13	2·10	+ 0·03	2·13	2·10	+ 0·03	1·04	Gopalpur.

ion, the elevations of which exceed 3,000 feet.

† Uncorrected for scale error.

Tab

(2) *Abstract of observations taken at 8 hrs., at 240 station*

Number of subdivisions.	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
	Bay Islands.																						
1	P. V. Fraser	8	29·772†		29·697†	29·940	1st	29·645	29th	·295	82·7												
	Port Blair	58	29·816	+·020	29·804	29·900	6th	29·749	28th	·151	82·5	89·0	0	78·1	—0·3	83·5	—0·1	10·9	91·7	1st & 9th	70·0	21st	21·7
	Slipper Island	90	29·755		29·778	29·866	5th	29·658	27th	·208	83·9	88·0		79·8		83·9		8·2	90·6	8th	69·6	21st	21·0
	Kashmir.																						
14	Muzaffarabad	2,475	27·366		29·310	27·525	1st	27·179	28th	·346	74·0	80·3		71·7		76·0		8·6	94·1	31st	60·1	1st	34·0
	Srinagar	5,204	24·836	—·012	24·807	24·961	1st	24·680	31st	·281	61·3	76·6	—0·3	53·4	+1·3	65·0	+0·5	23·2	89·6	31st	43·6	1st	46·0
	Gulmarg‡	*8,569*	21·785	—·073	21·753	21·790	29th	21·779	31st	·011	68·5	75·9§	+12·8§	45·3	+4·7	61·1§	+8·7	30·6	77·7	31st	43·3	29th	34·4
	Sonemarg	*8,764*	21·847		21·815	21·910	11th	21·724	28th	·186	42·8	61·6		36·6		50·6		23·0	79·4	31st	26·1	1st	53·3
	Dras	*10,059*	20·820	—·004	20·788	20·897	23rd	20·713	10th	·184	42·0	59·0	—1·6	30·9	—2·2	45·0	—1·9	28·1	77·4	31st	15·0	1st	62·4
	Leh	11,503	19·746	+·019	19·714	19·826	23rd	19·579	10th	·247	49·1	66·4	+2·4	37·3	+0·5	51·8	+1·5	29·1	76·6	31st	27·5	4th	49·1
	Skardu	*7,505*	22·868	+·003	22·838	22·961	17th	22·751	10th	·210	58·6	73·7	+2·5	48·5	—1·0	61·1	+0·7	25·2	88·4	31st	36·1	16th	52·3
	Minimarg	*9,359*									Observations not available.												
	Astor	*7,955*									Ditto			ditto.									
	Gilgit	4,890	25·070		25·043	25·185	1st	24·931	31st	·254	70·2	85·8	+0·4	58·9	—2·9	72·4	—1·3	26·9	99·7	30th	49·2	1st & 2nd.	50·5
	Baluchistan.																						
16	Quetta	5,502	24·610	+·026	24·570	24·711	16th	24·508	31st	·203	71·5	85·5	+2·0	51·6	—0·6	68·6	+0·7	33·9	96·6	31st	43·0	2nd	53·6
	Chaman	4,311	25·627	—·004	25·589	25·749	16th	25·507	30th	·242	80·1	91·2	—2·5	64·7	—2·9	77·9	—2·7	26·5	103·8	31st	50·7	3rd	53·1
	Kohat		26·802		26·760	27·008	16th	26·586	29th	·422	83·7	99·8		73·9		86·8		25·9	113·0	30th	52·3	1st	60·7
	Hill Stations excluding Kashmir and Baluchistan.																						
	Chitral	*5,486*									64·9	82·1		52·2		67·1		29·9	96·2	31st	43·0	10th	53·2
	Para Chinar	6,000	24·382		24·349	24·470	12th	24·294	28th	·176	69·8	79·4		55·8		67·6		23·6	93·7	31st	44·6	2nd	49·1
	Cherat	*4,256*	25·622	+·029	25·590	25·738	1st	25·499	28th	·203	74·6¶	85·9	+3·7	65·6	—1·7	76·2	—2·7	19·3	98·7	25th & 29th.	50·5	2nd	48·2
	Murree	6,333	23·796	—·001	23·764	23·878	1st	23·695	31st	·183	65·7	76·6	—0·3	60·3	+0·8	68·5	+0·3	16·3	89·1	25th	46·7	5th	42·4
	Kailang	*10,087*	20·984		20·939	21·085	11th	20·890	29th	·195	46·7	62·7	+0·7	37·7	—0·3	50·2	+0·2	25·0	78·6	31st	28·5	11th	50·1
	Simla	7,232	23·086	+·021	23·048	23·160	16th	23·006	29th	·154	64·6	73·0	—0·1	58·9	+0·3	66·0	+0·1	14·1	81·4	26th	47·0	4th	34·4
	Sarain		23·102		23·064	23·167	15th	23·011	28th	·156	57·8	72·4		49·9		61·1		22·5	80·2	25th & 26th.	41·2	1st & 2nd.	39·0
	Kalabagh		20·118		20·079	20·181	15th	20·025	28th	·156	46·1	53·7		42·0		47·9		11·7	61·0	24th & 25th.	30·7	1st & 2nd.	30·3
	Chakrata	7,022	23·257	+·011	23·217	23·324	6th	23·182	28th	·142	63·9	75·0	+0·7	56·6	0	65·8	+0·3	18·4	82·8	20th	44·7	4th	38·1
	Muktesar	7,592	22·811	—·021	22·770	22·878	16th	22·733	28th	·145	62·5	74·2	—1·3	54·1	—1·4	64·1	—1·3	20·1	83·0	18th	43·5	1st	39·5
	Darjeeling	7,376	22·961	—·020	22·916	23·021	6th	22·919	30th	·105	56·8	63·8	0	51·7	—0·9	57·8	—0·5	12·1	69·3	30th	44·2	1st	25·1
	Shillong	4,920	25·067		25·019	25·133	16th	24·977	18th	·156	66·4	73·9		58·4		66·1		15·5	77·9	4 days	53·7	1st & 4th.	24·2
	Cherra Poonjee	4,309	25·616		25·567	25·707	5th	25·527	29th	·180	65·7	72·2		50·4		61·3		21·8	79·7	27th	40·1	3rd & 4th.	39·6
	Maymyo	3,515	26·365	—·019	26·310	26·486	5th	26·283	29th	·203	70·8	81·5	—1·4	62·6	—1·0	72·1	—1·2	18·9	91·9	19th	56·6	9th	35·3
	Pachmarhi	3,528	26·399	+·032	26·346	26·499	1st	26·301	29th	·198	82·5	96·1	+1·0	76·4	+1·3	86·2	+1·1	19·7	99·0	18th	67·1	5th	31·9
	Mount Abu	3,945	26·000	+·020	25·950	26·072	1st	25·888	31st	·184	77·6	87·3	—0·9	70·4	—0·7	78·9	—0·8	16·9	91·7	23rd	63·4	30th	28·3
	Mercara	3,781	26·222	+·023	26·155	26·262	18th	26·163	31st	·099	69·3	80·5	+0·2	64·7	—0·2	72·6	0	15·8	84·0	12th	61·0	2nd & 16th.	23·0
	Ootacamund	*7,327*	23·070		23·006	23·099	1st	23·025	31st	·074	63·9	70·8		51·3		61·1		19·5	73·5	26th & 28th.	47·7	2nd	25·4
	Kodaikanal	7,698	22·836	—·003	22·771	22·863	1st	22·791	31st	·072	62·0	69·1	—0·2	54·9	0	62·0	—0·1	14·2	74·0	29th	52·0	21st	22·1

† Mean of 29 days. ‡ Mean of 3 days.

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

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

—*continued.*

India, etc., in May, 1910—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 to 31st May, 1910.	Normal rainfall for period, 1st to 31st May.	Departure from normal of period, 1st to 31st May, 1910.	Heaviest rainfall during month.	Station.
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
																															Bay Islands.
			2	9	16	2	2	S 33° W					78		86		·983		4·7		3			·34			2·34			1·20	P.V.Fraser.
					7	6	7	W	S 73° W	8·5*	7·4	+1·1	51	−10	82	− 5	·912	− ·054	6·7	−0·2	11			8·84	17·09	− 8·25	8·84	17·09	−8·25	4·38	Port Blair.
2	1		1	2	10	7	8	S 86° W		16·0			59		78		·909		7·2		5			3·40			3·40			1·68	Slipper Island.
																															Kashmir.
	1				1	15	13	N 69° W		1·0			81		57		·508		2·3		3			1·21			1·21			0·63	Muzaffarabad
1	1		7	2			2	S 48° E	S 43° E	2·3 §	4·3	−2·0	20	−16	81	0	·444	+·007	2·7	−0·7	3	5·80	−2·80	0·83	2·60	− 1·72	0·88	2·60	−1·72	0·27	Srinagar.
	1	1				1		N 38° E		5·0*			33		69		·486		0		0			0			0‖			0	Gulmarg.
1	1		1		1			N 67° E		1·8			2		79		·221		2·9		5			2·13			2·13			0·70	Sonemarg.
				1	1	5	4	N 83° W		2·8			30		73	0	·196		3·0		4	6·20	−2·20	1·68	3·53	− 1·85	1·68	3·53	−1·85	0·61	Dras.
1	1	1	2	1		3		S 8° E	S 44° W	4·7*	3·2	+1·5	2	−43	38	− 7	·132	−·009	3·7	−1·0	0	0·90	−0·90	0·03	0·22	− 0·19	0·03	0·22	−0·19	0·03	Leh.
	1	5	1	5	2	2		S 25° E		8·9			23		45	−12	·217		3·7		2	1·90	+0·10	0·56	1·30	− 0·74	0·56	1·30	−0·74	0·22	Skardu.
																Observations		not available.													Minimarg.
																Ditto		ditto.													Astor.
						3		W		1·5			10		40	− 4	·292	−·019	1·4	−2·7	1	1·70	−0·70	0·62	0·57	+0·05	0·62	0·57	+0·05	0·35	Gilgit.
																															Baluchistan.
	1		1		1		1	(a)	N 80° W	3·4	3·3	+0·1			37	− 8	·274	−·067	1·0	0	1	1·10	−0·10	0·23	0·40	− 0·17	0·23	0·40	−0·17	0·23	Quetta.
	1		2	5	13	5	5	S 54° W	S 32° W	7·1	7·6	−0·5	59	+13	31	0	·324	+·018	1·7	+1·1	2	0·10	+1·90	0·32	0·05	+ 0·27	0·32	0·05	+0·27	0·19	Chaman.
1	7	10	2	2	4	1		S 89° E		8·5			40		36		·406		0		0			0·04			0·04			0·04	Robat.
																															Hill stations, excluding Kashmir and Baluchistan.
	8		1		1		2	N 34° E		3·6			23		57		·339		1·3		2			0·57			0·57			0·40	Chitral.
				1		2	1	S 85 °W		3·9			10		48 ¶		·340 ¶		1·8		7	6·50	+0·50	2·70	2·02	+ 0·68	2·70	2·02	+0·68	0·80	Para Chinar.
12	1		3	2			8	N 11° W	N 6° W	12·0	12·1	−0·1	46	− 1	36	+ 2	·296	+·002	1·7	−0·5	1			0·53	1·21	− 0·68	0·53	1·21	−0·68	0·27	Cherat.
3	2		3	2	1		3	N 24° E	N 7° E	4·6	8·0	−3·4	7	− 8	43	+ 4	·273	+·016	3·0	+0·2	3	6·30	−3·30	0·48	2·97	−2·49	0·48	2·97	−2·49	0·15	Murree.
			7		15	9		S 43° W		2·7*	2·2	+0·5	68		61		·200		2·4		5			2·47	2·58	−0·11	2·47	2·58	−0·11	1·12	Kailang.
															40	− 5	·244	−·023	2·3	−0·5	2	5·20	−3·20	0·61	3·06	− 2·45	0·61	3·06	−2·45	0·29	Simla.
	2			7	9			S 23° W		3·1			42		63		·290		3·0		6			2·83			2·83			0·87	Sarain.
5			4	11			7	S 29° W		10·5			6		58		·195		3·1		9			2·22			2·22			0·56	Kalabagh.
11	1		2	4	1		1	N 7° E	N 21° E	5·3	7·8	−2·5	20	+10	49	+ 2	·289	+·009	1·9	0	6	5·90	+0·10	3·65	2·43	+ 1·22	3·65	2·43	+1·22	2·02	Chakrata.
	1	1		1	1	7		S 81° W		7·3			20		49	− 1	·274		3·0		7			3·45	2·11	+1·34	3·45	2·11	+1·34	0·84	Muktesar.
		2	2	1		1	1	S 45° E	S 59° W	2·5	6·8	−4·3	10	− 1	87	− 3	·410	−·019	8·0	+1·3	16	13·43	+2·57	5·81	8·78	−2·97	5·81	8·78	−2·97	1·05	Darjeeling.
					10			S 45° W		4·0			33		72		·474		4·5		18	17·80	+0·20	9·22	10·15	−0·93	9·22	10·15	−0·93	2·30	Shillong.
3	1	5	3	1	11		2	S 13° W		6·3			20		89		·566		5·5		22	21·10	+0·90	23·92	49·93	−26·01	23·92	49·93	−26·01	5·12	Cherra Poonjee.
	2	1	2	4	10			S 16° W		2·8			37		81	+ 2	·617		4·2		12	12·80	−0·80	12·33	10·40	+ 1·93	12·33	10·40	+1·93	4·20	Maymyo.
1			1		3	13	13	N 73° W	N 81° W	10·8	7·5	+3·3	82	+19	36	− 1	·389	−·018	0·7	−1·3	0	1·30	−1·30	0·01	0·50	− 0·49	0·01	0·50	−0·49	0·01	Pachmarhi.
2			1		13	8	7	S 82° W	S 72° W	12·1	10·8	+1·3	69	+ 1	39	− 1	·371	+·011	0·9	+0·1	0	1·30	−1·30	0	0·99	−0·99	0	0·99	−0·99	0	Mount Abu.
5	2					2	14	N 30° W	N 45° W	3·6	5·3	−1·7	66	+ 1	88	+ 3	·624	+·012	6·4	+0·3	10	9·00	+1·00	4·54	5·78	−1·24	4·54	5·78	−1·24	1·03	Mercara.
1	6	8	8	3			1	S 81° E		3·4			56		64		·390		3·0		13	9·70	+3·30	6·40	5·93	+ 0·47	6·40	5·93	+0·47	1·43	Ootacamund
2	7	6	4	1		1	4	N 40° E		9·3*			53		64	− 2	·358		2·9		13	9·30	+3·70	6·29	5·62	+ 0·67	6·29	5·62	+0·67	1·07	Kodaikanal.

* Uncorrected or scale error.

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

¶ Mean of 26 days.

(a) Indeterminate.

§ Mean of 2 days.

‖ Rainfall since 29th May, 1910.

Table

(2) Abstract of observations taken at 8 hrs., at 240 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
	Extra India.																						
	Singapore (a)	10	29·926		29·857	29·978	17th	29·878	10th	·100	84·8	88·1		74·6		81·3		13·5	91·5	4th	72·6	19th	18·9
	Penang (d)	20	29·871		29·815	29·971	7th	29·809	6th	·162	82·2	91·5		72·9		82·2		18·6	95·0	14th, 16th & 20th.	70·0	5 days	25·0
	Trincomalee	99									80·4	96·6	+3·6	77·6	−1·2	87·1	+1·2	19·0	100·5	25th	70·5	11th	30·0
	Colombo	24	29·883	+·011	29·833	29·937	1st	29·822	31st	·115	79·6	88·8	+0·8	77·1	−1·3	83·0	−0·3	11·7	91·0	3rd, 6th & 31st.	73·0	7th	18·0
	Minicoy	7	29·921			29·969	19th & 20th.	29·839	31st	·130													
	Amini Divi	*13*									Observations not received.												
	Gyantse	13,120	16·993		16·954	17·065	26th & 27th.	16·959	29th	·106	44·3	65·2		32·7		48·9		32·5	75·3	31st	22·3	2nd	53·0
	Pharijong	14,400	15·738†		15·697†	15·798	16th	15·683	3rd	·115	38·2	63·0		8·5		35·8		54·5	68·9	12th	2·0	1st	66·9
	Gangtok	5,660?	24·391		24·349	24·518	1st	24·284	30th	·234	63·1	71·5		56·0		63·8		15·5	77·3	27th&31st	47·2	1st	30·1
	Gartok	14,140									39·0	52·0		23·0		37·5		29·0	59·8	31st	11·6	1st	48·2
	Kashgar (c)	4,255	25·189			25·660	17th & 18th.	25·330	29th & 31st.	·330	68·6	84·2	+3·3	57·5	−0·6	70·8	+1·3	26·7	101·6	30th	46·3	3rd	55·3
	Kabul		24·551		24·520	24·339	6th	24·139	30th	·200	66·2	80·7	−1·9	53·3	+0·1	67·0	−0·9	27·4	92·1	25th	42·1	3rd	50·0
	Meshed	3,104	26·732		26·710	26·907	15th & 16th.	26·536	28th	·377	66·7	81·1		48·6	−8·5	64·8		32·5	91·4	29th	34·8	15th	56·6
	Jask	13	29·761‡	+·010‡	29·731‡	29·877	4th	29·570	31st	·307	80·2	90·0	−2·4	77·0	−1·3	83·5	−1·9	13·0	95·3	22nd	71·3	2nd, 4th & 7th.	24·0
	Muscat	20	29·775	+·041	29·742	29·920	4th	29·622	31st	·298	88·3	96·4	+4·9	84·1	−1·8	90·3	+1·5	12·3	104·8	22nd	77·6	3rd	27·2
	Bahrein	18	29·847		29·818	29·955	4th	29·680	27th	·275	84·1	89·0		77·9		83·5		11·1	100·9	28th	70·7	2nd	30·2
	Bushire	14	29·815	+·048	29·788	29·932	4th	29·645	27th	·287	81·1	87·7	−1·4	75·5	+0·2	81·6	−0·6	12·2	99·3	10th	66·0	4th	33·3
	Busrah	25	29·845	−·016	29·829	29·968	11th	29·665	27th	·303	82·2	89·6		76·3		83·0		13·3	96·5	25th	68·1	2nd	28·4
	Kerman (d)										69·2	89·5		53·6		71·6		35·9	100·0	28th	44·5	3rd	55·5
	Ispahan (b) (e)	*5,817*	24·323			24·450	16th17th & 20th.	24·200	28th & 29th.	·250	63·9	80·2	−3·9	55·2	−1·0	67·7	−2·5	25·0	87·4	26th	46·2	2nd	41·2
	Tehran (b)	*4,002*	25·736			25·900	15th	25·550	28th & 29th.	·350	65·0	81·0	−1·8	58·5	−0·9	69·7	−1·3	22·5	88·5	27th	47·0	1st	41·5
	Baghdad	127	29·721	+·009	29·820	29·845	1st	29·573	27th	·272	76·0	93·4	+1·7	67·6	−0·3	80·5	+0·7	25·8	102·5	27th	61·0	6th&12th	41·5
	Beirut (h	111			29·882						71·6	77·6		63·4		70·5		14·2	93·0	3rd	52·0	18th	41·0
	Aden	94	29·799	+·031	29·824	29·912	5th	29·662	29th	·250	85·0	92·2	−1·1	81·1	+0·1	86·6	−0·5	11·1	98·8	27th	74·9	21st	23·9
	Perim	201	29·677	+·046	29·812	29·788	3rd	29·580	30th	·208	84·6	90·2	−2·3	81·1	−0·8	85·7	−1·5	9·1	93·1	22nd	74·4	3rd	18·7
	Zanzibar	72	30·015	+·007	30·014	30·062	20th	29·937	2nd	·125	75·0	81·6	−0·	74·7	−1·0	78·1	−0·9	6·9	85·3	6th	71·4	16th	13·9

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.

(a) 9 hrs. observations.
(b) Aneroid uncorrected.
(c) " corrected.
(h) 8½ hrs. observations.
(e) 7 hrs. observations.

(d) Observations of 30 days.

‡ Mean of 30 days.
" " 8 "

-concluded.

India, etc., in May, 1910—concluded.

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 May, 1910.	Normal rainfall for period, 1st to 31st May.	Departure from normal of period, 1st to 31st May, 1910.		
N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																									
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.
	3	5	1	5			6		S 14° W		6·5*			7						4·9		10			6·39			6·89			1·63	Singapore.
	4	9	5				8		S 76° E		11·2*			23						2·1		13			11·08			11·08			1·88	Penang.
			1	23	7				S 54° W	S 45° W	7·8*	12·1	−4·3	96	−1	77	−1	·892	−·116	3·6	+1·1	3			1·23	2·46	−1·23	1·23	2·46	−1·23	0·87	Trincomalee.
	3	1		14	1				S 11° W	S 45° W	5·6*	9·2	−3·6	10	−63	88	+10	·893	−·021	7·5	+1·2	7			3·71	11·12	−7·41	3·71	11·12	−7·41	1·34	Colombo.
			1		6	18			N 47° W	N 69° W	5·0	10·2	−5·2	84	+ 8					4·6	−0·7	12			7·91	6·40	+1·51	7·91	6·40	+1·51	1·96	Minicoy.
																Observations not received																Amini Divi.
	2	11		1					S 51° E		3·3			42		57		·164		2·8		1			0·12			0·12			0·10	Gyantse.
	2	4	4	1	12	6			S 85° W		8·5			40		70		·161		3·6		2			0·55			0·55			0·30	Pharijong.
			1						S		2·0			3		79		·458		2·5		19			10·12			10·12			1·24	Gangtok.††
		5	5						S 31° E		8·8			19						2·3		0			0			0			0	Gartok.
							5		N 45° W	N 50° W	4·3	4·5	−0·2	13	0	52	+ 8	·356	+·055	1·9	−1·3	2			0·56	0·88	−0·32	0·56	0·88	−0·32	0·36	Kashgar.
1				2	10	10			N 51° W	N 34° W				65	+54	55		·351		1·9	+1·2	5			2·04	0·54	+1·50	2·04	0·54	+1·50	0·99	Kabul.
		1	2			2			S 45 W		1·5			4		54		·350		3·1	+0·6	2			1·19	0·74	+0·45	1·19	0·74	+0·45	0·73	Meshed.
9	3	1	1	5	7				N 14° E	N 60° E	9·2	11·0	−1·8	7	+ 1	74‡	+ 6	·761‡	−·062	0·3	−0·4	0			0	0	0	0	0	0	0	Jask.
1	1			1	12				N 31° W	N 36° W	4·4	4·3	+0·1	49	+ 7	59	− 3	·775	−·013	0·9	+0·5	0			0	0	0	0	0	0	0	Muscat.
1		1	2	6	8				N 31° W		6·5			58		60		·705		2·0		0			0·06			0·06			0·03	Bahrein.
1	1		1	5	10				N 32° W	N 25° W	11·0	9·4	+1·6	49	− 6	59	− 1	·622	−·031	2·3	+0·9	0			0	0	0	0	0	0	0	Buthire.
	1	8		8	4				S 72° W		2·9			29		55		·598		4·1		2			0·59			0·59			0·38	Busrah.
1	1	2	4	1	5				N 6° W		4·1			33		34		·252									No rain	gauge.				Kerman.§
2			4	9	3				N 85° W	N 58° W	4·1	4·6	−0·5	36	−12	55	− 6	·329	−·117	9·4	+7·7	1			0·10	0·11	−0·01	0·10	0·11	−0·01	0·10	Ispahan.
	3		1	3					N 45° E	S 46° W	3·3‡	3·6	−0·3	13	− 3	58	+18	·355	+·049	1·8	−0·9	2			0·39	0·33	+0·06	0·39	0·33	+0·06	0·20	Tehran.
1	1	2	2	1	7				N 27° W	N 1° E	7·7	4·0	+3·7	29	−16	50	− 6	·443	−·064	2·3	+1·5	1			0·20	0·24	−0·04	0·20	0·24	−0·04	0·20	Baghdad.
			21	1					S 48° W					48		69		·531		3·3		1			0·50			0·50			0·42	Beirut.
	1								N 47° E	S 87° E	13·2	11·2	+2·0	86	+47	75	0	·892	−·026	2·9	−0·1	0			0	0·19	−0·19	0	0·19	−0·19	0	Aden.
2	18	1		2	4				S 48° E	S 59° E	15·4	13·7	+1·7	45	+20	77	0	·915	−·023	3·8	+0·2	0			0·07	0·37	−0·30	0·07	0·37	−0·30	0·07	Perim.
	1	15	11	1					S 19° W	S 7° W	8·5	8·1	+0·4	81	−6	83	− 3	·765	−·042	7·9	+1·5	11			11·77	10·39	+1·38	11·77	10·39	+1·38	3·00	Zanzibar.

* Uncorrected for scale error.

§ Wind observations less 3.
†† Ditto „ 1.

Table C.—Abstract of observations taken at 8 hrs., at 35 fourth-class stations in India, etc., in May, 1910.

Ta

Abstract of observations taken at 8 h

Number of sub-division.	Station.	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.	Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant 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
	II.—Eastern Bengal and Assam.																							
4	Bishnath	76·0	88·0	...	68·7	...	78·3	...	19·3	96·6	27th	61·2	5th	35·4	...	...	...	...	...	...	...	...	...	...
	Borjuli	78·0	88·7	...	69·8	...	79·3	...	18·9	96·0	30th	62·0	5th	34·0	...	...	...	...	...	...	...	...	...	...
	Chandkhira	76·9‡	88·5	...	68·1†	...	78·3	...	20·4	94·8	22nd	50·7	6th	44·1	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	76·5	88·9‡	...	69·5	...	79·2	...	19·4	98·8	30th	60·7	1st	38·1	...	...	...	...	...	...	...	...	...	...
	Dikom	76·2	88·1	...	69·9	...	79·0	...	18·2	99·0	30th	61·0	1st	38·0	...	...	...	...	...	...	...	...	...	...
	Golaghat	77·2	85·9	...	...	...	...	...	...	94·1	30th	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	74·2	90·6	...	70·1	...	80·3	...	20·5	96·0	21st	59·0	5th	37·0	...	...	...	...	...	...	...	...	...	...
	Jorehat	77·9	87·6	...	71·1	...	79·3	...	16·5	96·9	30th	63·8	2nd & 4th.	33·1	...	...	...	...	...	...	...	...	...	...
	Messa	79·4	92·6	...	69·4	...	81·0	...	23·2	101·3	8th	61·1	3rd	40·2	...	...	...	...	...	...	...	...	...	...
	Panerihat	70·9	86·3	...	69·1	...	77·7	...	17·2	93·4	30th	60·0	1st	33·4	...	...	...	...	...	...	...	...	...	...
	Srimangal	80·1	92·0	...	71·9	...	81·9	...	20·1	96·2	21st	61·7	8th	34·5	...	...	...	...	...	...	...	...	...	...
5	Brahmanbaria	83·2	91·6	...	73·7	...	82·7	...	17·9	96·6	17th	66·5	6th	30·1	...	...	...	...	...	...	...	...	...	...
	Dam Dim	75·8	91·5	...	68·7	...	80·1	...	22·8	94·7	22nd	55·7	1st	39·0	...	...	...	...	...	...	...	...	...	...
	Goalundo	84·0	92·6	...	73·6	...	83·1	...	19·0	99·2	3rd & 4th.	64·0	1st	35·2	...	...	...	...	...	...	...	...	...	...
	Kalchini	80·3	88·4	...	69·4	...	78·9	...	19·0	96·1	30th	58·4	1st	37·7	...	...	...	...	...	...	...	...	...	...
	Nagrakata	75·6	87·2	...	69·9	...	78·5	...	17·3	94·1	30th	59·0	1st	35·1	...	...	...	...	...	...	...	...	...	...
	Pabna	82·1	94·0	...	72·6	...	83·3	...	21·4	99·4	3rd	64·9	9th	34·5	...	...	...	...	...	...	...	...	...	...
	XI.—Central Provinces.																							
24	Chhindwara	88·2	103·9	...	78·0	...	91·0	...	25·9	108·7	28th	67·2	1st	41·5	...	3	...	...	...	1	2	9	16	N 61° W
	XIV.—Madras.																							
34	Guntur	90·9	107·4	...	82·5	...	94·9	...	24·9	117·0	20th	76·8	3rd	40·2	...	...	...	...	...	...	...	...	...	...
	Kashmir.																							
	Jammu	88·4	99·7	...	78·8	...	89·3	...	20·9	110·1	26th	65·2	5th	44·9	...	11	11	1	2	2	3	...	1	N 27° E
	Kargil	54·2	70·3	...	46·6	...	58·4	...	23·7	84·5	31st	37·5	1st	47·0	...	10	1	3	3	1	1	...	12	N 11° W
	Hill Stations, exclusive of Kashmir.																							
	Panighatta	76·8	87·3	...	69·6	...	78·5	...	17·7	94·5	30th	58·5	1st	36·0	...	...	...	...	...	...	...	...	...	...
	Kurseong	65·7	72·1	...	60·7	...	66·4	...	11·4	79·5	30th	53·2	1st	26·3	...	...	...	...	...	...	...	...	...	...

‡ Mean of 30 days.

35 fourth-class stations in India, etc., in May, 1910.

D VELOCITY.		WIND STEADINESS.		HYGROMETRY, 8 HRS.				CLOUD.		RAINFALL.										STATION.
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, 1910.	Normal rainfall for period, 1st to 31st May.	Departure from normal of period, 1st to 31st May, 1910.	Heaviest rainfall during month.	
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.
...	...	...	...	86	...	·770	...	...	...	14	...	...	8·92	...	...	8·92	...	...	1·66	Bishnath.
...	...	...	...	85	...	·809	...	...	...	13	...	...	4·85	...	...	4·85	...	...	0·82	Borjuli.
...	...	...	...	84‡	...	·784‡	...	...	...	17	...	...	13·00	...	...	13·00	...	...	4·45	Chandkhira.
...	...	...	...	78	...	·739	...	...	...	14	...	...	5·77	...	...	5·77	...	...	1·37	Doom Dooma.
...	...	...	...	83	...	·752	...	...	...	13	...	...	5·19	...	...	5·19	...	...	0·81	Dikom.
...	...	...	...	85	...	·793	...	...	...	17	...	...	15·36	...	...	15·36	...	...	2·50	Golaghat.
...	...	...	...	90	...	·768	...	...	...	15	...	...	13·06	...	...	13·06	...	...	2·80	Hailakandi.
...	...	...	...	80	...	·763	...	...	...	13	...	...	9·13	...	...	9·13	...	...	3·35	Jorehat.
...	...	...	...	82	...	·834	...	...	...	17	...	...	10·62	...	...	10·62	...	...	2·75	Messa.
...	...	...	...	93	...	·708	...	...	...	16	...	...	7·55	...	...	7·55	...	...	1·45	Panerihat.
...	...	...	...	84	...	·865	...	...	...	10	...	...	9·73	...	...	9·73	...	...	1·76	Srimangal.
...	...	...	...	76	...	·858	...	...	...	9	...	...	6·86	...	...	6·86	...	...	1·78	Brahmanbaria.
...	...	...	...	99	...	·892	...	...	...	13	...	...	7·83	...	...	7·83	...	...	1·32	Dam Dim.
...	...	...	...	76	...	·885	...	...	...	10	...	...	6·15	...	...	6·15	...	...	1·51	Goalundo.
...	...	...	...	77	...	·806	...	...	...	13	...	...	4·19	...	...	4·19	...	...	1·05	Kalchini.
...	...	...	...	83	...	·735	...	...	...	13	...	...	6·47	...	...	6·47	...	...	2·28	Nagrakata.
...	...	...	...	78	...	·852	...	...	...	8	...	...	5·96	...	...	5·96	...	...	1·58	Pabna.
																				XI.—Central Provinces.
...	...	78	...	36	...	·467	...	...	...	0	...	...	0	...	...	0	...	...	0	Chhindwara.
																				XIV.—Madras.
...	...	...	...	73	...	1·051	...	3·1	...	0	...	...	0·07	...	...	0·07	...	...	0·04	Guntur.
																				Kashmir.
...	...	51	...	32	...	·428	...	1·9	...	1	...	...	0·23	...	...	0·23	...	...	0·17	Jammu.
...	...	48	...	63	...	·268	...	3·7	...	3	...	...	0·82	...	...	0·82	...	...	0·32	Kargil.
																				Hill Stations, exclusive of Kashmir.
...	...	...	...	75	...	·686	...	...	...	14	...	...	5·88	...	...	5·88	...	...	1·07	Panighatta.
...	...	...	...	79	...	·493	...	...	...	12	...	...	6·12	...	...	6·12	...	...	1·01	Kurseong.

† Mean of 25 days.

Ta

Abstract of observations taken at 8 h

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.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
	Hill Stations, exclusive of Kashmir—*concld.*																							
	Gnatong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lachung	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Ringim	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	67·0	...	39·7	...	53·4	...	27·3	77·6	25th	28·1	1st	49·5	24	...	...	...	...	...	2	4	1	S 79° W
	Killa Drosh §	65·4	83·0	...	59·9	...	71·5	...	23·1	97·2	30th	47·1	10th	50·1	3	...	17	...	4	...	4	...	2	N 54° E
	Pishin	...	88·5	...	55·0	...	71·8	...	33·5	100·4	31st	46·1	3rd	54·3	...	...	...	...	...	...	...	...	...	...
	Kalat	63·2	78·5	−6·9	44·9	+1·6	61·7	−2·7	33·6	97·0	31st	24·9	9th	72·1	...	7	...	1	...	...	23	...	...	S 59° W
	Extra India.																							
	Ahwaz	...	97·2	...	76·2	...	86·7	...	21·0	105·6	25th	68·6	1st	37·0	...	...	...	...	...	...	...	...	...	...
	Birjand	Observations not received.																						
	Chumbi	46·1	62·9*	...	40·4	...	51·7	...	22·5	72·1	26th	27·7	1st	44·4	...	...	...	...	...	...	...	...	...	...
	Kirmanshah	62·0	73·4	...	46·9	...	60·1	...	26·5	81·0	27th	37·0	1st	44·0	...	...	...	...	...	...	...	...	...	...
	Koweit	...	93·8	...	75·3	...	84·6	...	18·5	103·0	25th	67·9	2nd	35·1	6	2	...	...	5	...	1	2	15	N 51° W
	Maidan	Observations not received.																						
	Mohammerah	...	93·0†	...	...	...	...	...	...	99·4	25th	...	...	...	...	8	...	...	5	6	...	...	8	N 27° W
	Pemba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

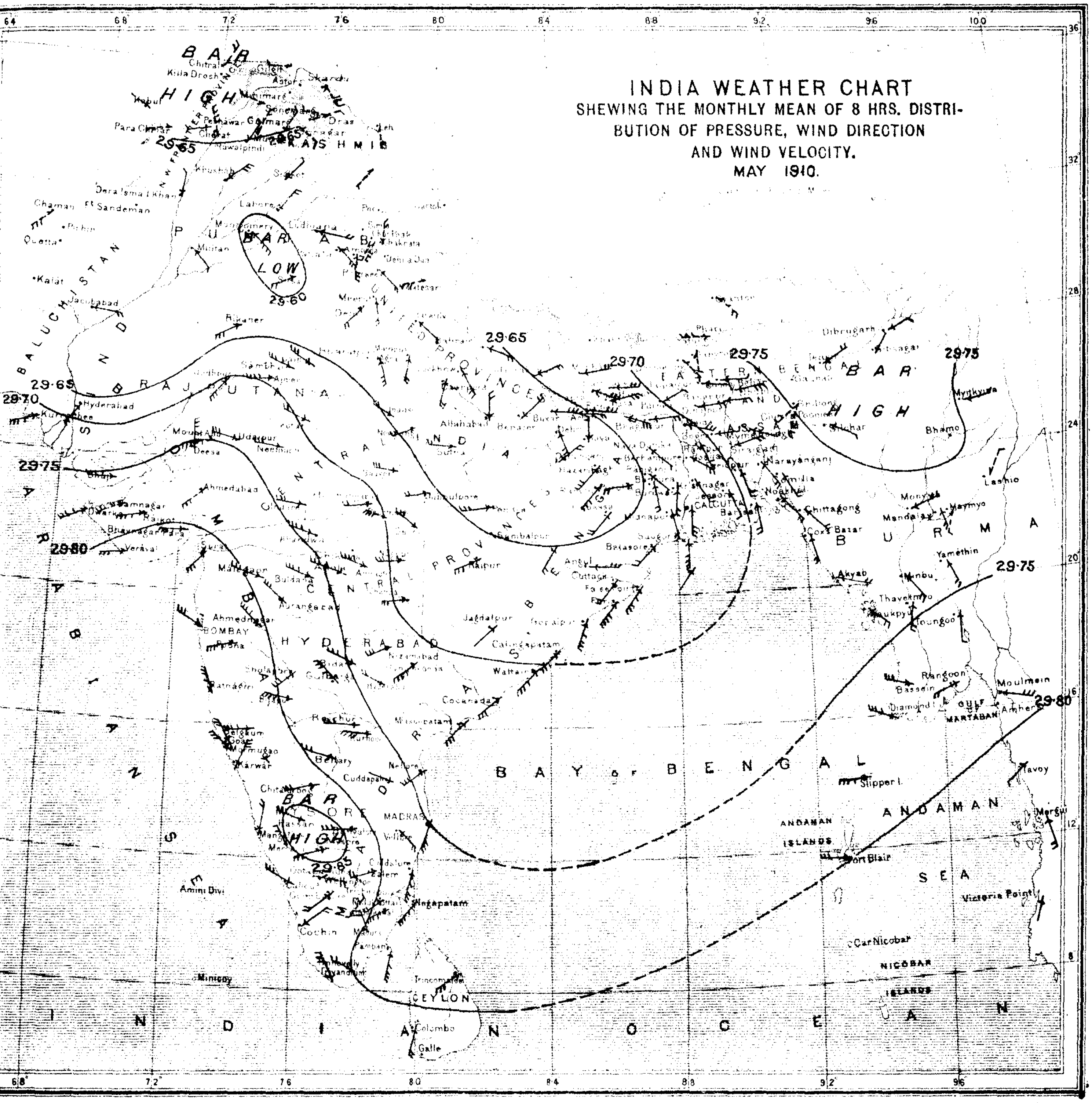
* Uncorrected for scale error. † Mean of 24 days. § Observations of 30 days.

ncluded.

fourth-class stations in India, etc., in May, 1910—concluded.

Velocity.		Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
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, 1910.	Normal rainfall for period, 1st to 31st May.	Departure from normal of period, 1st to 31st May, 1910.		
28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																				Hill Stations, exclusive of Kashmir.—*concld.*
...	...	...	...	...	...	...	...	...	...	23	...	...	8·24	...	...	8·24	...	...	0·67	Gnatong.
...	...	...	...	...	...	...	...	...	...	9	...	...	3·45	...	...	3·45	...	...	0·91	Lachung.
...	...	...	...	...	...	...	...	...	...	15	...	...	7·39	...	...	7·39	...	...	0·77	Ringim.
...	...	16	...	...	...	...	...	2·6	...	3	...	...	1·08	0·71	—0·37	1·08	0·71	—0·37	0·53	Poo.
...	...	47	...	74	...	·463	...	1·6	...	4	...	...	1·09	...	...	1·09	...	...	0·44	Killa Drosh.
...	...	...	...	...	...	...	...	0·5	...	1	0·70	+0·30	0·22	0·19	+0·03	0·22	0·19	+0·03	0·21	Pishin.
...	...	55	...	52	...	·327	...	...	...	0	0·90	—0·90	0	0·26	—0·26	0	0·26	—0·26	0	Kalat.
																				Extra India.
...	...	...	...	...	...	...	...	2·5	...	0	...	...	0·13	...	...	0·13	...	...	0·06	Ahwaz.
								Observations not received.												Birjand.
...	...	...	...	78	...	·244	...	...	...	8	...	...	2·57	...	...	2·57	...	...	0·51	Chumbi.
...	...	...	...	62	...	·345	...	...	...	4	...	...	2·19	...	...	2·19	...	...	1·25	Kirmanshah.
...	...	42	...	...	...	...	...	3·9	...	2	...	...	0·45	...	...	0·45	...	...	0·29	Koweit.
								Observations not received.												Maidan.
...	...	19	...	...	...	...	...	...	...	2	...	...	0·38	...	...	0·38	...	...	0·20	Mohammarah.‡
											Rainfall data not received.									Pemba.
												Ditto.		ditto.						Prison Island.

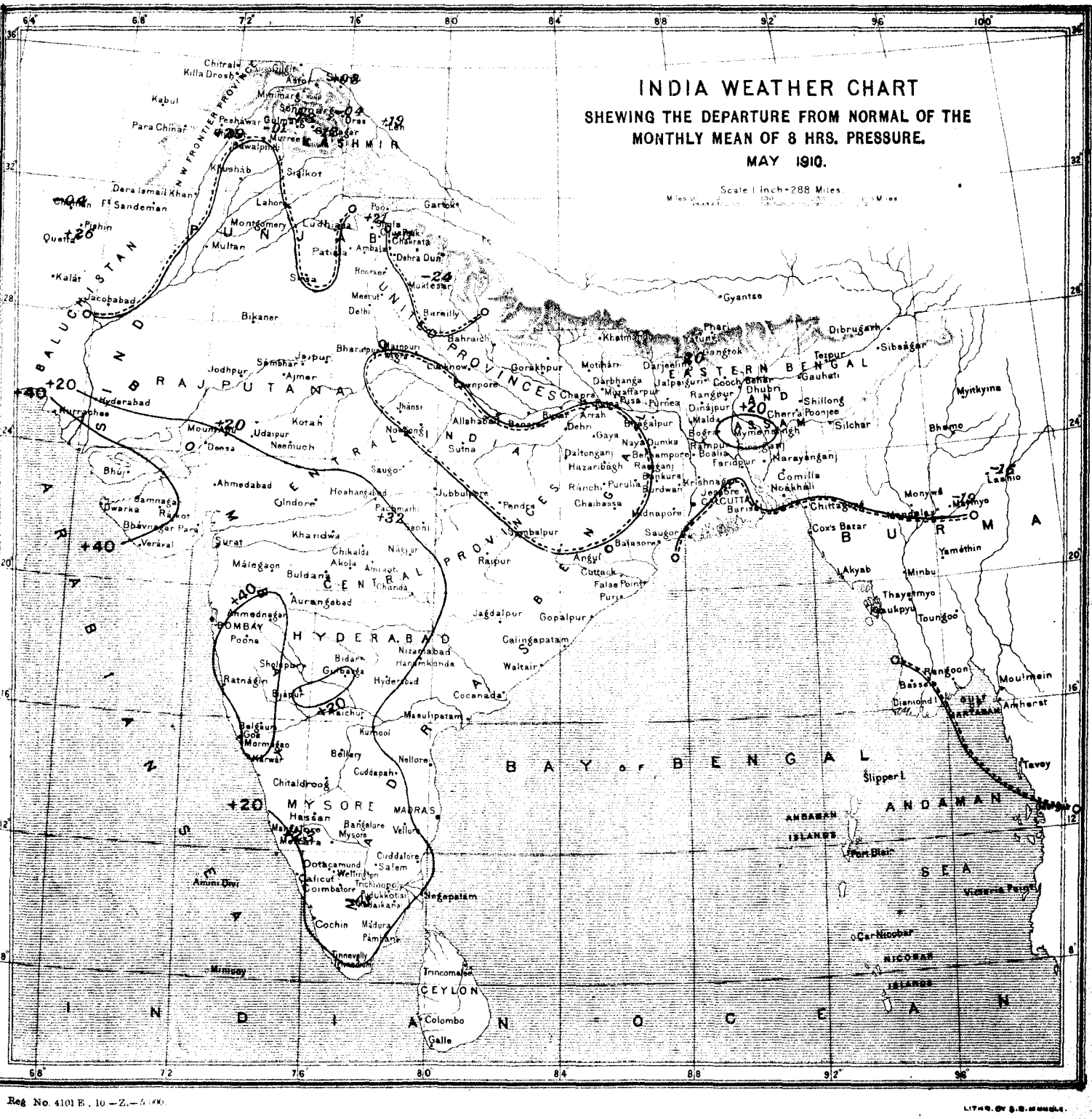
‡ Wind variable 4.



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 ,, ,, ,, ,, ,,



Reg. No. 4101 E. 10.—Z.—5,000.

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.

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

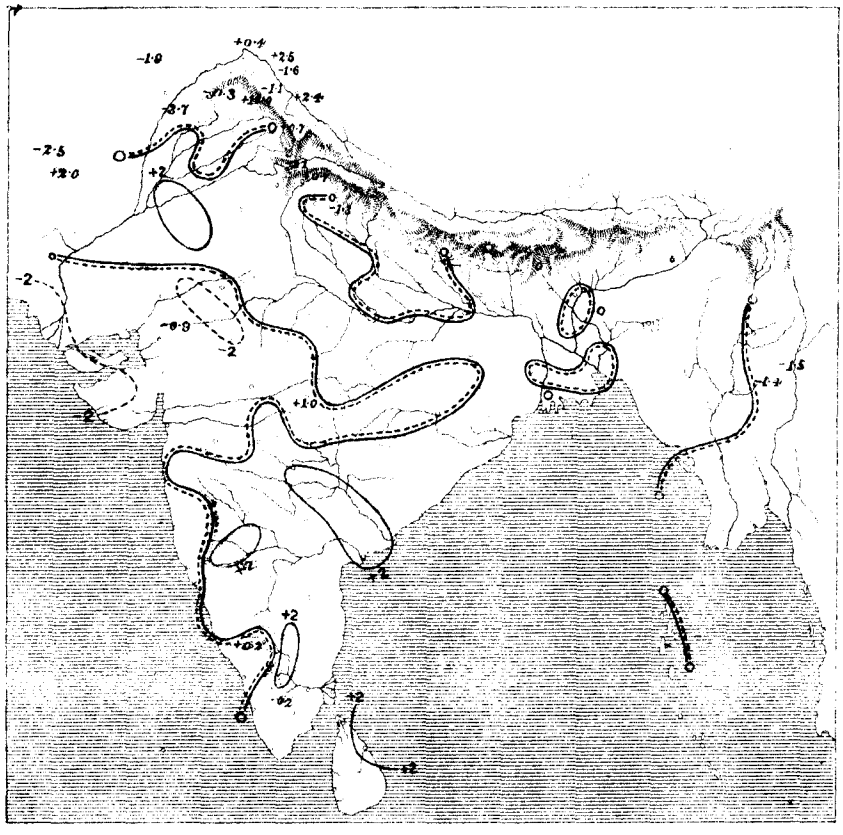


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

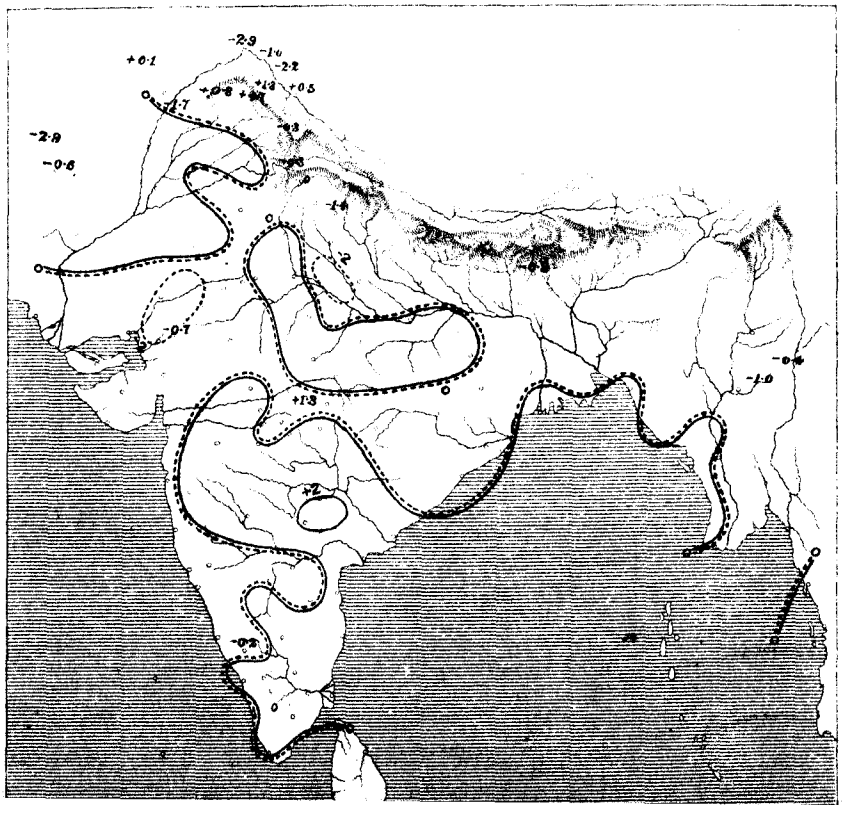


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MEAN TEMPERATURE.

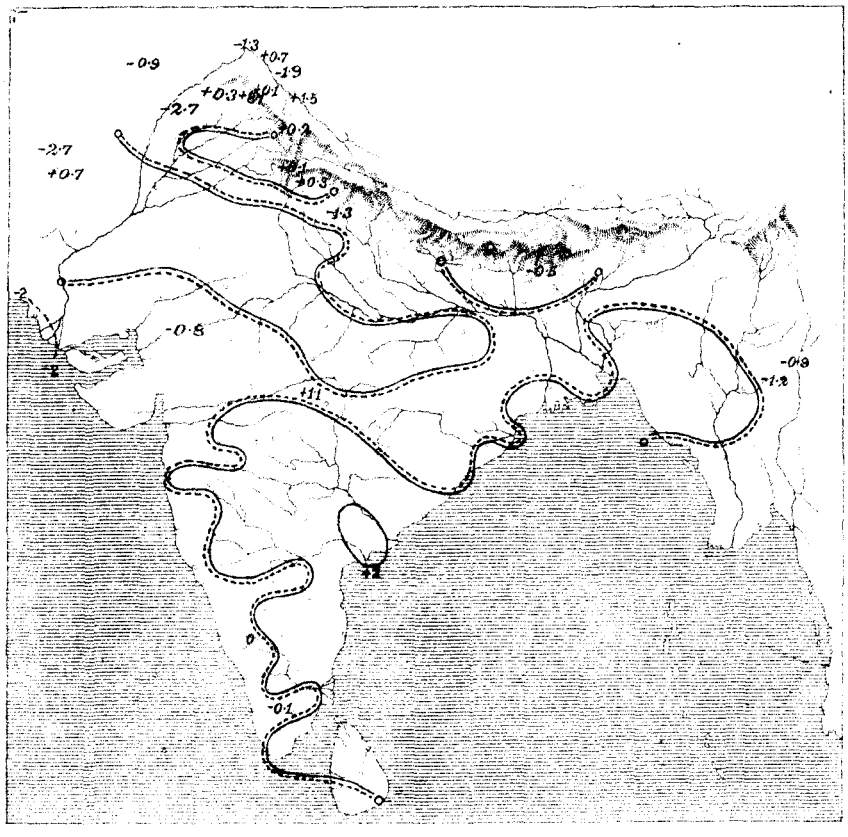


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.

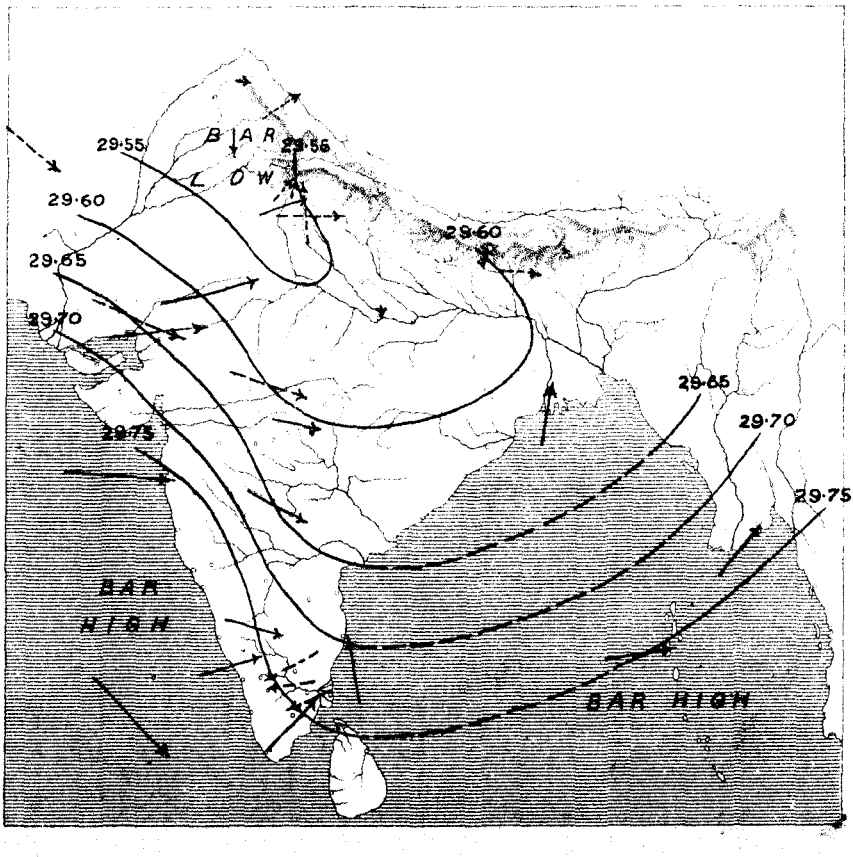


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF ABSOLUTE HUMIDITY AT 8 HRS.

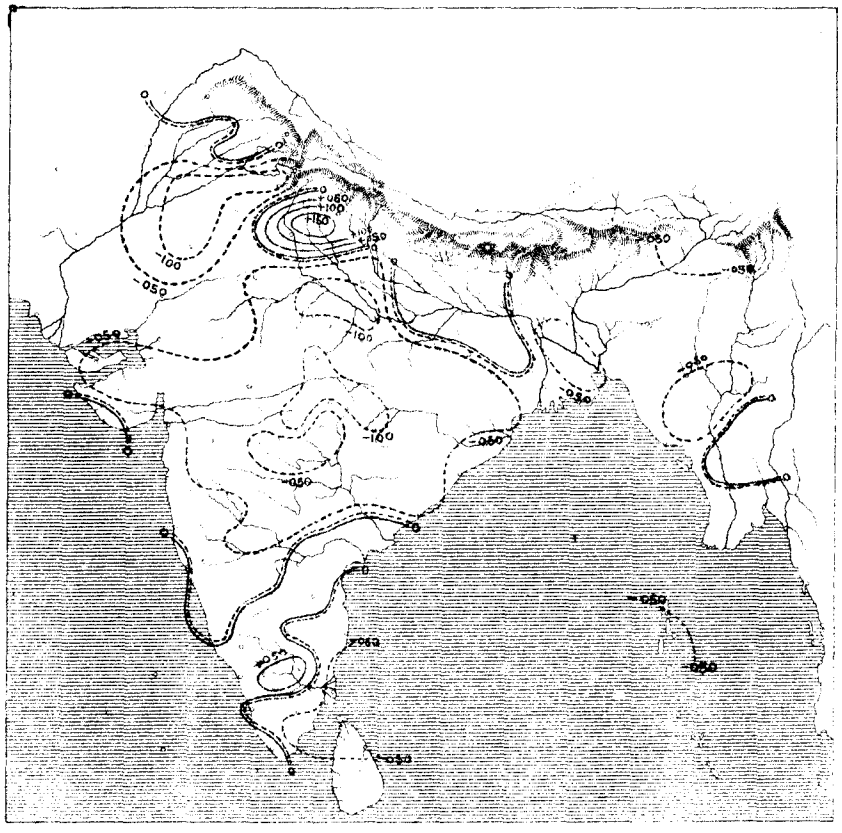


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

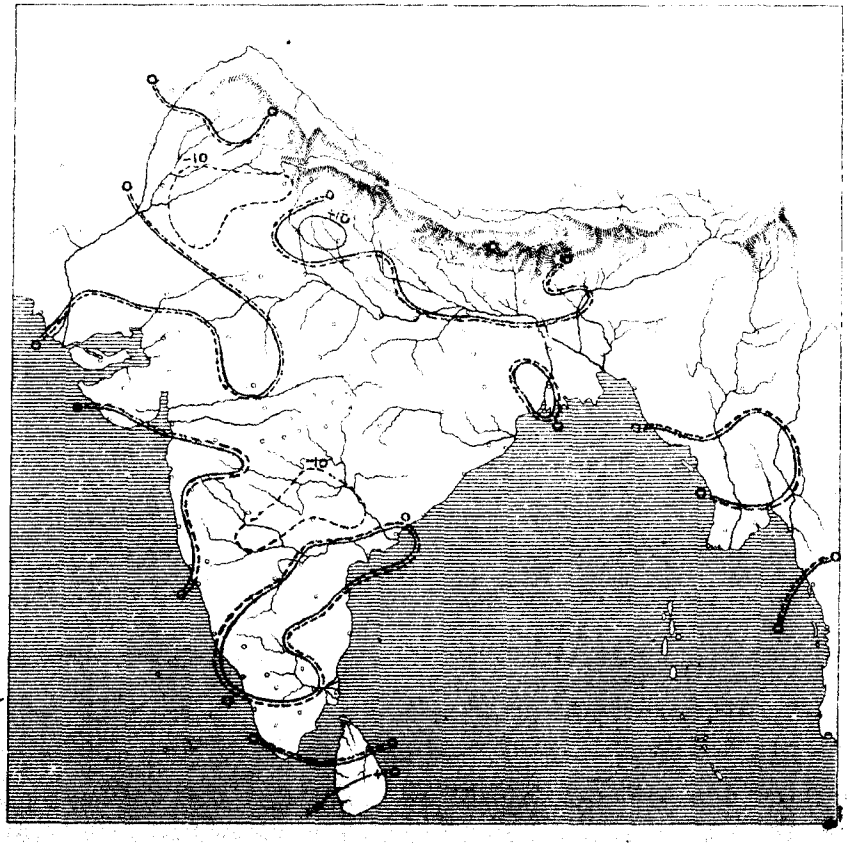


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

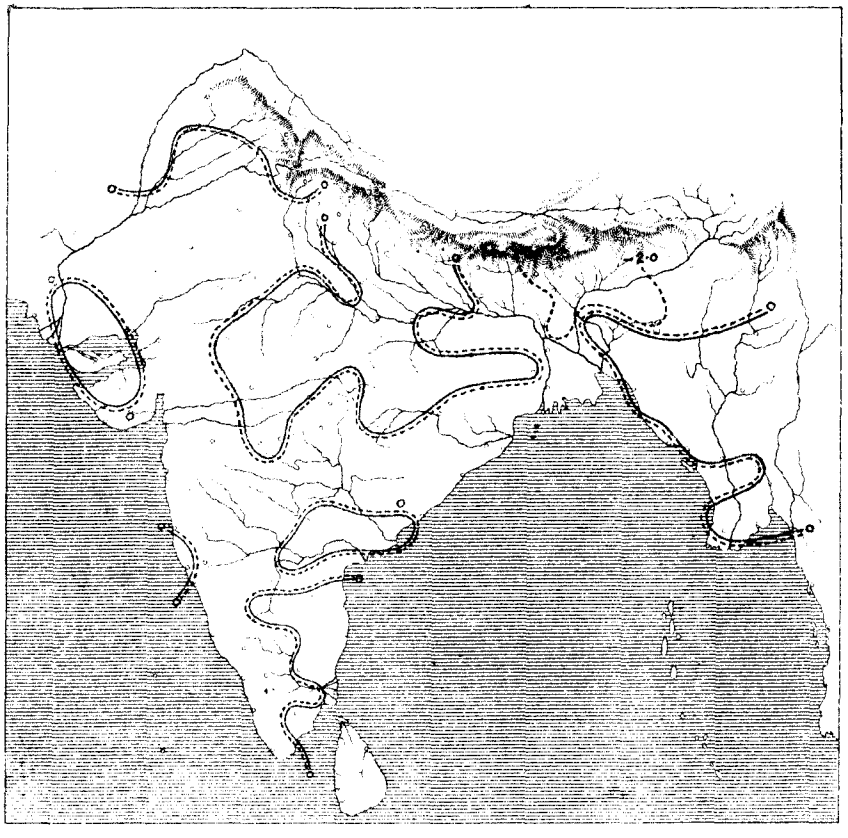


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)

No. 4101 E., 10.—2.—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

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GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, JUNE, 1910.

INTRODUCTION.

THIS review of the weather in India during the month of June, 1910, is based on observations taken daily at 8 hrs. at 238 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 34 stations. In the rainfall summary have been utilized 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.

The brief notes on solar, seismic and magnetic disturbances have been supplied by the chief observatories in the Indian area.

Summary of the chief features of the weather in India during the month.

2. The advance of the Bay monsoon which occurred during the last week of May, much before the usual date, was never vigorous; and the rainfall due to it during June was not only intermittent in occurrence, but was also, except for a short interval about the middle of the month, restricted mainly to the eastern portion of its proper field of activity. The Bombay current on the other hand arrived on the coast on the due date and was very strong: its extension into northwest India occurred with unusual rapidity, and monsoon conditions were established there considerably in advance of the average date.

The total precipitation of the month reached or exceeded the average in most parts of India, the only districts which failed to obtain their proper share being the Madras Deccan, Mysore, the United Provinces West, Lower Burma and the Bay Islands. It was unusually heavy for the time of year in Sind, Rajputana West, the North-West Frontier Province and the south-west Punjab, which received two to three times their normal supply.

In most places the proportion of cloud was high, although the quantity of water vapour in the air was about normal.

As regards temperature June was a normal month, the largest departure from the usual conditions being a deficiency of $2\frac{1}{2}^{\circ}$ in Central India.

The mean pressure at 8 hours over the land area only exceeded the normal by ·003″. The local features of the distribution were strongly marked, pressure being decidedly above the normal in north-east India and equally below it in the west and south of the peninsula.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar observations.*—The weather during the month was very unfavourable for solar observations. On two days the sun could not be examined for spots and faculæ and on three other days it was too faint to be projected. Complete prominence records were obtained on only 8 days.

Sunspots.—Fourteen new spots were observed and all of them were small. The daily average number was 1·2 and

the average life of a spot was 2·5 days. On 7 days the sun was free from spots at the time of observation.

The latitude distribution of the spots was as follows :—

TABLE 1.

	0° - 10°.	11° - 20°.	Extreme latitudes.	Mean latitude.
North . .	2	2	8°, 15°	11°·0
South . .	6	4	4°, 18°	9°·7

Prominences.—Owing to poor weather on most of the days only 29 large prominences were recorded. There were also one metallic and three eruptive prominences observed. One very high prominence was photographed on the 20th at latitude +36° north. It was at 10 hours 4 minutes a pillar-like cloud quite separated from the limb, the base was at a height of 240″ and the top at 420″ above the limb. At 10 hours 22 minutes it had risen to 270″ and stretched to 450″. On account of persistent bad weather during the day it could not be followed further.

Magnetic disturbances.—One "great" disturbance was recorded from the 20th to 22nd and a "moderate" one from the 8th to 12th. There was no spot on the visible disc of the sun at the time of the great disturbance but a small spot was crossing the central meridian on the latter occasion.

Seismological records.

TABLE 2.

No.	Date.	P. T. Commencement G. M. T.	L. W. Commencement G. M. T.	Maxima G. M. T.	End. G. M. T.	Maximum amplitude.	Duration.	REMARKS.
	1910.	H. M.	H. M.	H. M.	H. M.	mm.	H. M.	
27	June 1	6 17·2	...	...	7 23	...	1 06	Widening of line.
28	" 16	6 44·4	6 54·6	6 55·9	10 20	4·0=2·2	3 36	
29	" 17	5 36·2	5 55·9	5 59·0	6 11	...	0 35	Widening of line.
30	" 19	15 11·0	...	...	16 53	...	1 42	Do.
31	" 24	3 36·7	4 00·8	4 01·8	4 22	...	0 45	Do.
32	" "	13 40·3	14 09·0	14 12·0	15 24	0·4=0·3	1 44	
33	" 29	9 17·2	...	...	9 41	...	0 24	Widening of line.
34	" "	11 20·6	11 50·5	11 52·5	13 34	1·1=0·6	2 13	
35	" "	14 42·8	15 26·4	15 28·7	16 52	1·2=0·7	2 09	

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

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of June, 1910, the traces showed 1[illegible] calm days and 17 days of small disturbance.

The days of the month selected as quiet for the purpose of the Magnetic Survey of India are the 4th, 5th, 18th 19th and 28th.

The mean observed absolute values of the several element (magnetical) reduced to the mean monthly tabulations o the magnetograms, as also the ranges and the summe ranges of the horizontal force and declination for the mont are as follow :—

Easterly declination . . .	0° 57′ 38″
Horizontal force	0·36856 C. G. S. unit.
Vertical force	0·16093 " "
Dip (calculated)	23° 35′·3
Dip (observed)	23° 34′·8
Horizontal force range . . .	0·00037 C. G. S. unit.
Horizontal force summed range .	0·00274 " "
Declination range . . .	4′·9
Declination summed range . .	21′·7

(NOTE.—Summed range means sum witho it regard to signs of 24 ordinates of diurnal inequality.)

The following table represents the magnetic characte of each day during the month.

TABLE 3.

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

C = calm, S = small, M = moderate, G = great, V. G. = very great.

Seismic disturbances.

TABLE 4.

Date.	Commencement.	1st Maximum.	2nd Maximum.	End.	Maximum amplitude.	Duration
	H. M.	H. M.	H. M.	H. M.	mm.	H. M.
June 1st	6 20·3	7 0·8	...	8 45·3	0·7	2 25·0
" 9th	12 24·2	12 27·4	...	12 35·0	0·1	0 10·8
" 16th	6 45·1	7 4·8	7 36·8	9 28·9	2·4 & 2·2	2 43·8
" 17th	5 58·7	5 59·8	...	6 3·9	0·2	0 5·2
" 25th	19 37·8	19 46·1	...	20 5·1	0·7	0 27·3
" 29th	11 14·0	12 2·5	...	13 21·3	0·8	2 7·3

All times given above denote G. M. T.
Sensibility to tilt, 1 mm.=0″·41.

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Director,
Bombay Observatory.

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the Milne seismograph.*

TABLE 5.

Date 1910.		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	1	5 58·5	6 19·3	6 56·9	8 22·9	2 24·4	1·50	
,,	16	6 42·5	6 52·7	6 55·2	9 30·3	2 47·8	6·00*	*Measured from the base line.
,,	17	5 33·7	5 42·3	5 50·5	6 7·2	0 33·5	1·00	
,,	24	13 37·6	...	14 16·3	14 47·3	1 9·7	0·50	
,,	25	19 40·8	19 48·9	19 51·0	20 15·9	0 35·1	1·00	
,,	29	9 7·8	...	9 12·9	9 35·3	0 27·5	0·75	
,,	,,	10 44·3	11 52·4	12 3·0	14 4·5	3 20·2	1·50	
,,	,,	14 41·0	15 25·7	15 35·9	16 7·4	1 26·4	1·00	
,,	30	3 7·7	...	3 22·0	3 40·3	0 32·6	0·75	

Sensibility 1 mm. = 0″·38 of tilt.

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing seismographs.*

TABLE 6.

Date.		Beginning of 1st P. T.	Beginning of 2nd P. T.	Beginning of L. W.	Time of maximum amplitude.	End approximately.	Duration.	Maximum displacement of style.	REMARKS.
		H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
1st	A	...	...	...	...	...	...	...	Tremors from 6h. 53m. to 8h. 15m.
	B	...	...	...	...	...	...	...	Tremors from 6h. 55m. to 7h. 35m.
12th	A	4 18·9	...	...	4 19·0	4 19·7	0 0·8	Small*	Local.
	B	4 18·9	...	...	...	4 19·3	0 0·4	0·3	,,
16th	A	6 41·8	6 54·7	...	7 21·1	10 36	3 53	4·0	
	B	6 48·2	6 55·5	7 2·7	7 3·1	8 10	1 22	3·0	
17th	A	5 35·2	5 40·9	5 53·1	5 41·5	7 31	1 56	0·4	
	B	5 41·1	...	...	5 46·2	5 54·4	0 13·3	Small*	
19th	A	16 2·6	16 3·3	16 33·9	16 34·0	16 9·4	0 6·8	?	Touched stops
	B	16 3·7	...	...	16 4·3	16 9·0	0 5·3	Small*	
25th	A	19 26·1	19 34·8	19 42·9	19 43·3	20 14	0 48	0·6	
	B	19 31·9	19 34·8	19 40·9	19 42·7	20 7	0 35	0·4	
29th & 30th	A	...	...	...	...	...	...	...	Tremors from 9h. 42m. to 1h. 27m.
29th	B	...	...	...	...	...	...	...	Tremors from 11h. 15m. to 13h. 26m.

All times are given in G. M. T.
A = E—W component.
B = N—S component.

The magnification of each instrument was 15.
* Displacements less than 0·1 mm. are reported as "Small".

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

TABLE 7.

Place at which felt.	Date.	G. M. T. of earthquake.		Duration.	Intensity.	No. of shocks.	REMARKS.
		h.	m.	sec.			
Jodhpur . . .	8th	18	2	15	2	1	
Ispahan . . .	14th	10	26	20	4	2	
Jodhpur . . .	16th	17	15	1	2	1	
Borjuli . . .	19th	4	15	½	3	1	
Drosh . . .	,,	15	51	4	1	1	
Chitral . . .	,,	16	0	32	5	3	
Gulmarg . . .	,,	16	3	58	4	3	
Drosh . . .	23rd	22	45	?	2	?	
,, . . .	25th	20	35	3	2	1	
Murree . . .	,,	20	37	4	4	1	

For scale of intensities reference may be made to the Monthly Weather Review for January, 1909.

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	1·37
Minimum	1·24
Mean	1·30
Number of days of observation . . .	7

J. H. FIELD,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. The following information has been communicated by the Director of the Observatory.

TABLE 8.

Date.	Time.	Disturbance.
January 1910.		
4th	...	Accentuated diurnal variation in H. F.
6th		Wave in H. F. (+17).
	8h. to 17h.	Wave in H. F. (—42).
7th	...	Accentuated diurnal variation in H. F.
11th to 13th	6h. to 2h.	Small rapid fluctuations in H. F.
14th	...	Accentuated diurnal variation in declination.
17th	15h. to 19h.	Sharp decrease in H. F. (20); in declination (2).
	16h to 20h.	Wave in H. F. (38).
	20h. to 23h.	Decrease in H. F. (50); with superposed fluctuations (±10).
22nd to 23rd	23h. to 3h.	Wave in H. F. (+50).
24th to 25th	19h. to 2h.	Double wave in H. F. (+20 to —15).
25th to 26th	10½h. to 3h.	Wave in H. F. (—95) with superposed undulations and a wave 21h. to 23½h. (+35); in declination occasional small undulations.
26th to 27th	21h. to 3h.	Wave in H. F. (+35).
February 1910.		
4th	1h. to 2h.	Wave in H. F. (+18).
5th	1h. to 2½h.	Wave in H. F. (+15).
11th	...	Accentuated diurnal variation in declination.
13th to 14th	...	Accentuated diurnal variation in declination.
14th to 16th	14h. to 0h.	Occasional rapid fluctuations in H. F. (±10).
15th	...	Accentuated diurnal variation in declination.
17th	20½h. to 23h.	Double wave in H. F. (—17 to +17).
18th	2½h. to 6h.	Wave in H. F. (+37); in declination (—28).
20th	14h. to 18h.	Sharp increase in H. F. (26) followed till 22d. 6h. by occasional small rapid fluctuations. Decrease in declination (14).
	19h. to 22h.	Wave in H. F. (—30).
22nd	...	Accentuated diurnal variation in declination.
24th	...	Accentuated diurnal variation in declination.
	6h. to 12h.	Wave in H. F. (—29); 14h. 17m. sharp increase in H. F. (17).
25th	...	Accentuated diurnal variation in declination.
25th to 26th	8h. to 6h.	Wave in H. F. (—112).
26th	7h. 17m.	Sharp increase in H. F. (15); in declination (+16).
27th to 28th	23h. to 1h.	Wave in H. F. (+18).
March 1910.		
1st	1h. to 3h.	Wave in H. F. (+13).
	22h. to 23h.	Wave in H. F. (+16).
2nd to 3rd	23¾h. to 0½h.	Wave in H. F. (+8).
3rd to 4th	20h. to 6h.	Loss of H. F. V. F. and declination registers.
4th to 5th	23h. to 1½h.	Double wave in H. F. (—20 to +25).
5th	18½h. to 23h.	Wave in H. F. (—44).
6th to 7th	19h. to 5h.	Undulations in H. F. (±8).
11th	0h. to 0¼h.	Wave in H. F. (+8).
13th	15h. 10m.	Sharp increase in H. F. (12) and decrease (18) at 19h. 35 m. with small rapid fluctuations intervening.
	...	
15th to 16th	22h. to 8h.	Small rapid fluctuations in H. F.
16th to 17th	13h. to 2h.	Small undulations in H. F.
18th	1h. to 2h.	Wave in H. F. (+30).
20th to 21st	12h. to 10h.	Wave in H. F. (—70).
30th to 31st	22h. to 12h.	Occasional undulations in H. F.
31st	16h. to 19½h.	Wave in H. F. (—55).
	19h. to 20h.	Wave in declination (+82).
31st to 1st April	19½h. to 1h.	Wave in H. F. (—30).
April 1910.		
1st	4½h. to 7½h.	Wave in declination (—54).
	15h. to 1h.	Wave in H. F. (—60) followed by small fluctuations till 3d. 0h. with waves 2d. 0½ to 1½h. (+16), 2d. 5¾h. to 7¾h. (+22) and 3d. 10h to 14h. (—20).
4th	10h. to 14h.	Wave in H. F. (+30) followed by small undulations till 5d 0h.
18th	7h. to 13h.	Wave in H. F. (—60).
	17½h. to 18½h.	Wave in H. F. (—43).
18th to 19th	23h. to 1h.	Wave in H. F. (+20) small undulations in declination.
23rd	17h. to 18h.	Decrease in H. F. (30).
	20½h. to 22½h.	Wave in H. F. (+26).
24th	1½h. to 2½h.	Wave in H. F. (+20).
28th	19h. to 22h.	Double wave in H. F. (—30 to +35).
29th	14h. to 17h.	Wave in H. F. (—30).
30th	18h. to 19½h.	Double wave in H. F. (—8 to +22).
May 1910.		
3rd	2h. to 4h.	Wave in H. F. (+20).
4th	2h. to 6h.	Loss of H. F. register.
5th	1¾h. to 3h.	Wave in H. F. (+18).
9th to 10th	23h. to 2h.	Fluctuations in H. F. (±6).
13th	12h. to 17h.	Decrease in H. F. (108).
	17h. to 19h.	Wave in H. F. (+35).
	19h. to 20h.	Increase in H. F. (38); undulations in declination with wave (+20).
18th	16h. to 22h.	Wave in H. F. (—50).
19th	12h. to 22h.	Small fluctuations in H. F.
20th	15h. to 18h.	Wave in H. F. (—27).
20th to 21st	19h. to 7h.	Loss of H. F. V. F. and declination registers.

Date.	Time.	Disturbance.
24th . . .	13h. to 20h.	Wave in H. F. (—52).
25th . . .	3¾h. to 6h.	Wave in H. F. (+40) followed by undulations (±10) till 26d. 3h.
26th to 27th .	23h. to 1½h.	Wave in H. F. (+14).
31st . .	11½h. to 17h.	Decrease in H. F. (65).
June 1910.		
8th . .	19h. to 23h.	Two successive waves in H. F. (—12) and (—22) followed till 9d. 3h. by small rapid fluctuations.
12th . .	1½h. to 3h.	Wave in H. F. (+12).
20th . .	4h. to 10h.	Three successive waves in H. F. (+10, +26, +20).
	5½h. to 9½h.	Two successive waves in declination (—16, —28).
20th to 21st .	23h. to 1h.	Double wave in H. F. (—25 to +70) followed by small rapid fluctuations till 21d. 14h. in declination double wave (+30 to—50).
21st to 22nd .	23h. to 0½h.	Wave in declination (+33).
22nd . .	1¾h. to 3h.	Wave in H. F. (+28); in declination (—40).
26th . .	21½h. to 23h.	Wave in H. F. (+20).

—	January 1910.	February, 1910.
Departure from normal of mean pressure .	—·060	—·034
Actual mean wind direction . . .	N 86° E	S 77° E
Normal mean wind direction . . .	S 87° E	S 81° E
Actual mean wind velocity (miles per diem)	289	199
Normal mean wind velocity (miles per diem)	266	264
Rainfall departure from normal . .	—0·43	—3·18

Weather in the Indian monsoon region.

8. In the subequatorial region as represented by Seychelles and Zanzibar the barometric pressure was approximately normal, being ·005″ in defect. The air movement was on the whole of the usual June type. Rainfall was unusually scanty.

TABLE 9.

—	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	...	—·008	—·001
Actual mean wind direction .	...	S 5° W	S 20° E
Normal mean wind direction .	...	S 4° E	S 27° E
Actual mean wind velocity (miles per diem).	...	197	288
Normal mean wind velocity (miles per diem).	...	21[illegible]	258
Rainfall departure from normal .	...	—1·73	—3·93

Depressions and cyclonic storms.

9. Owing to the great unsteadiness of the monsoon action over the Arabian Sea low pressures prevailed during a large part of the month along the west coast of the peninsula, but according to the marine information received up to the present, at no time did they result in a definite depression or storm.

Over the Bay, where in ordinary years one or two storms are expected in the month of June, the only disturbance recorded was a shallow depression in the vicinity of Gopalpur in the fourth week; it failed however to cross inland and was of little consequence from the standpoint of the weather.

As sometimes happens during the monsoon period a depression was developed locally over northern India. It first showed itself on the 16th over the region defined by the stations of Allahabad, Bahraich and Cawnpore, and thence travelling northward disappeared in the Nepal hills during the 17th. Although barometrically unimportant it occasioned heavy rain in the Gorakhpur and Bahraich districts.

Pressure.

10. Pressure was above the normal to the north of a line through Tavoy, Cocanada, Chanda, Nowgong, Agra, Jodhpur and Dera Ismail Khan, and more or less in defect over the remainder of the Indian region. The excess was greatest in north-east India, while the defect was most marked in Hyderabad and Bombay excluding Sind. The

anomalous features of the pressure distribution in June over a large part of the country were thus the opposite of those of May.

TABLE 10.

DIVISION.	DEPARTURE FROM NORMAL OF MEAN 8 HRS. PRESSURE.	
	June.	May.
	"	"
Burma	+·016	—·005
Eastern Bengal and Assam	+·033	+·013
Bengal	+·026	+·002
United Provinces	+·015	+·002
Punjab	+·018	+·005
North-West Frontier Province	—·001	—·008
Sind	—·007	+·020
Rajputana	+·002	+·012
Bombay	—·029	+·038
Central India	—·005	+·011
Central Provinces	—·001	+·022
Hyderabad	—·021	+·015
Mysore	—·013	+·026
Madras	—·016	+·018

In consequence chiefly of the large changes in the peni sula disclosed in the above table the pressure over India a whole was only ·003″ in excess, as compared with ·01 in the previous month.

The vertical gradient was unusually steep over the sou of the peninsula and in north-east India, and of about t average value in north-west India.

TABLE 11.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departu of pres sure differen B—A
	"		"	"
Quetta	+·009	Jacobabad	—·010	—·019
Leh	+·002	Lahore	+·018	+·016
Murree	—·001	Peshawar	+·004	+·005
Simla	+·033	Ludhiana	+·031	—·002
Chakrata	+·033	Roorkee	+·035	+·002
Darjiling	—·009	Jalpaiguri	+·017	+·026
Mount Abu	—·010	Deesa	—·022	—·012
Pachmarhi	+·008	Khandwa	—·009	—·017
Kodaikanal	—·045	Madura	—·007	+·038

Temperature.

11. In the main political divisions there were only trifling depressions of temperature, which amounted to 2½° in Central India, 1½° in the Central Provinces and Rajputana and 1° in the United Provinces and Bombay. In Burma, Sind and Mysore temperature was equal to or above the normal. The low temperature conditions did not extend into Afghanista where at Kabul the mean of the month was 2° higher tha usual. The abnormalities of temperature were thus ver feebly marked, and did not indicate the occurrence of an excessive snowfall during the month.

TABLE 12.

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	85·8	77·6	81·7	8·2	15·1	—0·5	—0·8	+ 0·3
2. Lower Burma	87·0	76·1	81·6	10·9	17·7	+0·9	+0·5	+ 0·4
3. Upper do.	89·9	75·5	82·7	14·3	21·8	—1·3	—0·2	— 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.
	°	°	°	°	°	°	°	°
4. Assam	86·9	76·1	81·5	10·9	21·6	—1·5	+0·1	— 1·6
5. Eastern Bengal	88·0	77·2	82·6	10·8	21·3	—0·2	+0·1	— 0·3
6. Bengal	91·9	78·5	85·2	13·4	24·9	—0·4	—0·6	+ 0·2
7. Orissa	92·7	79·7	86·2	13·0	27·6	—0·5	—0·3	— 0·2
8. Chota Nagpur	93·0	76·7	84·9	16·3	32·1	—2·4	—0·9	— 1·5
9. Bihar	93·9	79·5	86·7	14·4	27·7	—2·0	0	— 2·0
10 United Provinces, East	96·9	80·3	88·6	16·7	33·1	—2·7	—0·9	— 1·8
11. Do., West	98·9	80·0	89·5	18·8	37·5	—1·4	—0·4	— 1·0
12. Punjab, East and North	103·5	80·2	91·8	23·3	42·8	—0·8	—0·1	— 0·7
13. Do., Southwest	108·1	84·4	96·2	23·7	43·4	—0·2	+1·0	— 1·2
14. Kashmir	77·0	50·4	63·7	26·6	44·6	—0·1	—0·5	+ 0·4
15. North-West Frontier Province	105·6	79·3	92·5	26·3	43·1	—1·3	+0·1	— 1·4
16. Baluchistan	98·4	68·8	83·6	29·7	44·7	+0·7	—1·6	+ 2·3
17. Sind	103·0	82·8	92·9	20·2	35·1	+0·4	—0·1	+ 0·5
18. Rajputana, West	105·2	84·1	94·7	21·1	37·9	—0·6	+0·2	— 0·8
19. Do., East	99·4	80·7	90·0	18·7	34·3	—2·8	—1·5	— 1·3
20. Gujarat	93·0	79·4	85·2	13·6	25·7	—3·2	—0·9	— 2·3
21. Central India, West	93·3	73·5	83·4	19·7	37·1	—3·1	—2·8	— 0·3
22. Do., East	97·4	80·8	89·1	16·6	33·7	—2·7	—0·9	— 1·8
23. Berar	94·2	75·4	84·8	18·8	32·6	—1·5	—0·7	— 0·8
24. Central Provinces, West	95·0	76·5	85·7	18·5	37·8	—2·2	—1·5	— 0·7
25. Do., East	93·3	76·7	85·0	16·7	35·5	—2·1	—0·9	— 1·2
26. Konkan	85·2	76·4	80·8	8·8	19·3	—1·1	—1·3	+ 0·2
27. Bombay Deccan	90·1	72·3	81·2	17·9	31·0	0	0	0
28. Hyderabad, North	93·4	73·2	83·3	20·2	36·4	—1·5	+0·3	— 1·8
29. Do., South	94·9	76·1	85·5	18·8	42·0	—0·5	+0·4	— 0·9
30. Mysore	83·7	67·6	75·7	16·1	25·9	+0·1	—0·1	+ 0·2
31. Malabar	83·8	73·6	78·7	10·2	18·9	—0·7	—0·5	— 0·2
32. Madras, Southeast	95·7	78·2	86·9	17·5	29·6	—0·4	+0·2	— 0·6
33. Do. Deccan	97·0	78·0	87·5	19·1	33·1	—0·1	+0·2	— 0·3
34. Do. Coast, North	93·6	80·4	87·0	13·2	26·2	—0·9	—0·4	— 0·5

TABLE 13.

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

Winds.

12. (*a*) The Bay current was less strong than usual in Burma and north-east India, and the Bombay current in Central India, the west of the peninsula and the southern and western parts of north-west India. On the other hand the monsoon blew with more than its normal strength in Hyderabad and Mysore.

(*b*) The degree of steadiness was rather low in Burma, Sind and Rajputana, and about the average elsewhere.

(*c*) All along the eastern Sub-Himalayas the winds were more northerly and less easterly than usual, and in the Konkan and Gujarat the westerly element in the mean direction was very weak.

TABLE 14.

DIVISION.	DEPARTURE FROM NORMAL OF	
	Hourly wind velocity.	Wind steadiness.
Burma	−0·5	−11
Eastern Bengal and Assam	−1·5	− 5
Bengal	−1·5	− 2
United Provinces	+0·1	0
Punjab	+0·5	+ 4
North-West Frontier Province	−1·3	+ 3
Sind	−3·4	−12
Rajputana	−0·3	−12
Bombay	−2·3	− 2
Central India	−2·1	− 2
Central Provinces	+0·1	− 8
Hyderabad	+1·5	+ 7
Mysore	+1·6	− 4
Madras	0	+ 5

Humidity and cloud.

13. The humidity conditions differed to no important extent from the normal.

There was a decided excess of cloud in the North-We Frontier Province, Central India and the Central Province

nd a slight excess in Rajputana and Madras, but over the est of the country the skies were covered to about the sual extent.

TABLE 15.

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.
	%					
urma . . .	87	0	·886	0	7·6	0
astern Bengal and Assam.	89	— 1	·929	—·010	7·2	—0·5
engal . . .	81	+ 1	·922	+·002	6·4	+0·4
nited Provinces. .	69	+ 2	·851	+·048	4·3	—0·5
unjab . . .	53	+ 1	·695	—·002	2·5	—0·3
North-West Frontier Province.	51	+ 1	·693	—·002	2·7	+1·1
Sind	66	+ 1	·879	+·029	3·5	+0·1
Rajputana . . .	62	+ 6	·782	+·029	4·5	+0·7
Bombay . . .	81	+ 3	·855	+·001	7·1	+0·5
Central India . .	75	+ 9	·801	+·049	6·6	+1·7
Central Provinces .	72	+ 5	·762	+·023	7·0	+1·2
Hyderabad . . .	68	— 1	·690	—·050	7·3	+0·6
Mysore . .	82	+ 1	·645	—·008	8·0	—0·1
Madras . . .	74	+ 1	·818	—·001	7·3	+0·8

Rainfall.

14. The unusually early advance of the Bay monsoon dur- g the last week of May proved to be feeble, and during e first week of June the rainfall due to it scarcely extend- l outside Burma and Eastern Bengal and Assam. No rge improvement occurred in the activity of the current uring the remainder of the month, except for a short eriod from the 14th to 18th, when in conjunction with the rabian Sea current it produced widespread, and in places eavy, precipitation over northern India. The monsoon onditions set in on the west coast of the peninsula on the d and in Gujarat on the 4th, but it was not until the 10th at monsoon rainfall became general in the Central Pro- nces and the Deccan. The current strengthened appre- ably on the 14th, and during the next three days extended rthwards to the farthest limits of its usual field of activi- . From the 18th to the 21st, it was fairly strong but as chiefly directed to the Deccan and north Madras. On e latter day an area of low pressure and squally weather peared off Bombay and the rainfall due to the Arabian a current became confined almost entirely to the west d north of the peninsula; but with the passing away of the disturbance on the 27th a large improvement occurred, resulting in the establishment of well marked monsoon conditions over nearly the whole of the region usually served by this current.

Precipitation due to the Arabian Sea monsoon was somewhat below the average in Central India East, Mysore and the Madras Deccan, and in excess over the remainder of its field; while that due to the Bay current was irregularly distributed, being deficient in the Bay Islands, Lower Burma and the United Provinces West, and nearly equal to or above the normal in Upper Burma and the province of Bengal.

The excess was greatest in absolute amount in Gujarat and the Konkan, where it averaged about 4½", and by percentage comparison with the normal in the North-West Frontier Province, the Punjab Southwest, Rajputana West and Sind, which received two to three times their usual supply.

The rainfall of the month averaged over the country as a whole was 12 per cent. above the normal, while the corresponding excess in 1909 was 19 per cent.

TABLE 16.

SUB-DIVISION.	NUMBER OF RAINY DAYS.		RAINFALL.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
Bay Islands	18·0	19·7	12·67	15·85	—3·18	— 20
Lower Burma	20·7	22·1	17·19	25·36	—8·17	— 32
Upper do.	9·3	9·7	6·82	6·66	+0·16	+ 2

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure fro normal.
			″	″	″	
4. Assam	21·3	17·3	21·47	17·47	+4·00	+ 23
5. Eastern Bengal	17·0	15·4	20·49	16·75	+3·74	+ 22
6. Bengal	13·9	12·5	10·39	10·97	−0·58	— 5
7. Orissa	12·9	10·2	9·32	9·45	—0·13	— 1
8. Chota Nagpur	14·4	10·5	9·54	9·22	+0·32	+ 3
9. Bihar	10·8	9·0	9·71	8·29	+1·42	+ 17
10. United Provinces, East	6·3	5·9	6·05	5·34	+0·71	+ 13
11. Do., West	4·9	5·3	3·79	4·61	—0·82	— 18
12. Punjab, East and North	4·3	3·1	3·63	2·36	+1·27	+ 54
13. Do., Southwest	2·3	1·3	1·44	0·71	+0·73	+103
14. Kashmir	4·3	3·0	2·57	1·71	+0·86	+ 50
15. North-West Frontier Province	3·2	1·4	2·07	0·80	+1·27	+159
16. Baluchistan	0·8	0·6	0·42	0·30	+0·12	+ 40
17. Sind	1·9	0·6	1·18	0·41	+0·77	+188
18. Rajputana, West	3·7	2·1	3·02	1·39	+1·63	+117
19. Do., East	5·3	4·2	3·84	3·15	+0·69	+ 22
20. Gujarat	12·6	5·9	10·41	5·65	+4·76	+ 84
21. Central India, West	10·7	6·7	7·63	6·68	+0·95	+ 14
22. Do., East	7·2	7·3	6·92	7·39	—0·47	— 6
23. Berar	12·7	8·1	9·31	5·57	+3·74	+ 67
24. Central Provinces, West	12·5	8·6	9·16	7·17	+1·99	+ 28
25. Do., East	12·0	9·6	10·48	8·46	+2·02	+ 24
26. Konkan	22·4	18·6	31·19	26·62	+4·57	+ 17
27. Bombay Deccan	9·8	8·4	6·60	5·57	+1·03	+ 18
28. Hyderabad, North	11·2	8·1	8·51	5·61	+2·90	+ 52
29. Do., South	7·3	6·8	5·82	4·05	+1·77	+ 44
30. Mysore	6·6	6·9	4·33	5·27	—0·94	— 18
31. Malabar	25·7	23·3	37·53	33·34	+4·19	+ 13
32. Madras, Southeast	3·2	2·9	1·71	1·55	+0·16	+ 10
33. Do. Deccan	4·0	4·6	1·73	2·53	—0·80	— 32
34. Do. Coast, North	9·4	6·3	7·07	4·33	+2·74	+ 63

TABLE 17.

DIVISION.	RAINFALL.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	11·57	15·22	−3·65	− 24
Eastern Bengal and Assam	20·98	17·11	+3·87	+ 23
Bengal	9·84	9·41	+0·43	+ 5
United Provinces	5·00	5·00	0	0
Punjab	3·19	2·03	+1·16	+ 57
North-West Frontier Province	2·07	0·80	+1·27	+159
Sind	1·18	0·41	+0·77	+188
Rajputana	3·61	2·68	+0·93	+ 35
Bombay	12·32	9·42	+2·90	+ 31
Central India	7·38	6·92	+0·46	+ 7
Central Provinces	9·52	6·81	+2·71	+ 40
Hyderabad	7·04	4·76	+2·28	+ 48
Mysore	4·33	5·27	−0·94	− 18
Madras	6·56	5·38	+1·18	+ 22
Mean of India	8·38	7·47	+0·91	+ 12

Snowfall.

I.—AFGHANISTAN.

15. There was a sprinkling of snow on the Paghman hills on the night of the 17th, and very low temperatures were recorded at Kabul on the two succeeding days.

II.—NORTH-WEST FRONTIER PROVINCE.

Much rain fell and assisted in melting the winter accumulations of snow.

III.—KASHMIR.

There were six falls on the higher hills near Skardu, some falls on those near Dras and two falls on the Afferwata mountains to the south-west of Gulmarg. The mountains near Sonemarg and Kargil were quite bare of snow at the end of the month, while those surrounding Skardu had lost a good deal of their accumulation.

IV.—PUNJAB.

(*a*) *Chamba.*—No snow fell.

(*b*) *Kangra.*—There were some slight falls on the highest hills.

V.—UNITED PROVINCES.

There was about the usual amount of snowfall on the mountains in Garhwal, and perhaps also in Almora.

SUMMARY.

16. The snowfall was lighter than usual during June, and it is almost certain that the accumulations at the end of the month were in general below the average depth.

Snowfall reports for previous months.

Kashgar.—Snowstorms occurred at Kashgar on the 25th and 26th of February, and again on the 4th and 5th of March, giving a total depth of 4."

On June 10th, some snow remained unmelted on most of the high passes south of Kashgar and also on the summits of the Terek Dawan and Taldik pass, between Kashgar and Osh, but it was not deep enough to make these routes impassable.

It is said that the total snowfall of the winter was much above the normal in Sari Kol and the Russian Pamirs.

HEM RAJ.

TABLE A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 34 stations in India, etc., in June, 1910.

Ta

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

Number of subdivision.	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 sea-level 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- 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 . .	18	29·799	29·705	·094	29·757	+·007	29·713	86·5	77·5	9·0	90·1	74·9	15·2	82·6	83·9	80·0	+ 0·5	75·6	78·5	78·4
	III.—Bengal.																				
6	Calcutta . .	21	·624	·524	·100	·580	+·031	·546	91·9	78·4	13·5	98·4	73·3	25·1	87·5	87·9	84·8	+ 0·3	76·6	81·7	81·2
	IV.—United Provinces of Agra and Oudh.																				
10	Allahabad . .	309	·273	·156	·117	·218	+·018	·471	100·1	82·1	18·0	111·0	75·8	35·2	92·9	97·6	89·8	− 1·0	75·8	78·0	78·4
11	Dehra Dun . .	2,233	27·404	27·305	·099	27·352	0	·483	92·6	71·5	18·1	104·6	67·9	36·7	85·0	89·0	82·1	− 0·1	68·6	72·7	73·5
	V.—Punjab.																				
12	Lahore . .	702	28·839	28·738	·101	28·780	+·007	·422	105·1	81·2	23·9	117·3	73·3	44·0	95·5	102·8	92·7	− 0·3	73·1	78·2	78·9
	VIII.—Rajputana.																				
19	Jaipur . .	1,431	·190	·080	·110	·134	+·001	·472	102·1	80·8	21·3	112·2	74·2	38·0	93·2	99·5	90·2	− 0·4	73·3	78·3	78·2
	Udaipur . .	1,925	27·738	27·647	·091	27·697		·526	92·6	76·5	16·1	101·5	70·5	31·0	86·3	89·7	83·7		73·6	77·4	78·0
	IX.—Bombay.																				
26	Bombay . .	37	29·664	29·589	·075	29·628	−·045	·604	87·0	79·3	7·7	95·2	75·4	19·8	83·9	84·3	82·0	− 0·4	76·6	79·3	79·2
	XI.—Central Provinces.																				
24	Nagpur . .	1,017	28·630	28·505	·125	28·573	−·005	·529	94·7	76·7	18·0	107·6	71·1	36·5	86·3	90·6	83·9	− 2·7	72·6	76·4	76·9
	XII.—Hyderabad.																				
29	Hyderabad .	1,690	·022	27·909	·113	27·972	−·028	·571	93·6	76·4	17·2	105·6	70·5	35·1	84·5	91·0	83·2	+ 0·6	69·8	72·5	73·7
	XIII.—Mysore.																				
30	Bangalore . .	3,021	26·838	26·750	·088	26·801	−·022	·682	84·8	67·2	17·6	92·0	64·9	27·1	77·4	81·8	74·2	+ 0·2	65·2	68·7	69·5
	Mysore . .	2,518	27·337	27·255	·082	27·363	−·007	·725	83·4	67·7	15·7	89·1	65·4	23·7	77·8	79·5	73·8	− 0·8	65·9	69·8	70·4
	XIV.—Madras.																				
32	Pudukkottai .	318	29·469	29·353	·116	29·411		·654	97·6	78·8	18·8	103·4	71·5	31·9	89·9	94·3	88·2		73·2	77·9	80·3
	Madras . .	22	·724	·615	·109	·683	−·016	·632	97·2	80·5	16·7	104·5	73·1	31·4	90·8	90·3	87·6	− 0·8	74·7	77·0	78·9
	Bay Islands.																				
1	Port Blair .	58	·763	·686	·077	·729	−·008	·716	85·4	76·8	8·6	89·2	73·0	16·2	82·3	82·3	79·9	− 0·8	74·4	78·2	78·0
	Kashmir.																				
4	Srinagar . .	5,201	24·751	24·671	·080	24·713	+·017	24·681	81·2	59·0	22·2	91·3	51·2	40·1	71·6	79·4	69·0	− 0·9	55·5	66·5	73·3
	Leh . .	11,503	19·671	19·579	·092	19·627	−·011	19·595	72·5	45·3	27·2	81·3	40·0	41·3	62·3	69·3	57·8	0	37·9	47·8	50·7
	Baluchistan.																				
16	Quetta .	5,502	24·487	24·411	·076	24·442	0	24·402	92·9	57·8	35·1	97·7	46·7	51·0	85·1	91·0	74·6	+ 0·5	51·7	60·0	61·2

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

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

itions in India, etc., in June, 1910.

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 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	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.	
·923	·897	·911	—·010	92	83	78	88	— 5	8·8	7·9	8·3	—0·5	2		1	1	14	24	15	2	1	S 2° W	S 24° W	72	71	49	122	13·84	1·95	Rangoon	2
																														III.—Bengal.	
1·005	·979	·970	—·001	92	77	74	83	0	7·2	7·4	7·3	—0·2	1		1	3	22	14	18	1		S 8° E	S 3° W	70	59	131*	142	6·48	1·55	Calcutta	6
																														IV.—United Provinces of Agra and Oudh.	
·765	·715	·780	+·007	75	52	43	58	+ 2	6·8	6·7	6·7	+1·6	8	4	8	13	1	2	3	15	6	N 12° W	N 10° W	15	16	134	192	3·13	1·69	Allahabad	10
·653	·634	·650	+·014	73	57	49	63	+ 1	4·8	6·0	5·4	+1·2	1	1	1	2	8	14	7	15	11	S 52° W	S 51° W	42	14	45*	41	5·13	1·50	Dehra Dun	11
																														V.—Punjab.	
·734	·668	·719	+·092	67	46	35	50	+ 6	1·7	1·0	1·3	—1·6	8	1	3	9	12	6	3	10	8	S 13° E	N 18° E	13	7	86	86	3·52	2·04	Lahore	12
																														VIII.—Rajputana.	
·785	·701	·746	+·090	70	51	39	55	+ 3	4·8	6·3	5·5	+1·1		4	2	11	4	2	5	15	17	N 60° W	N 70° W	30	43	168*	163	1·14	0·44	Jaipur	19
·829	·814	·823		87	67	61	73		5·6	6·4	6·0		7	1	1	9	3	4	18	14	3	S 49° W		38		108		9·37	1·97	Udaipur	
																														IX.—Bombay.	
·937	·926	·928	—·010	88	81	79	85	+ 2	8·1	7·5	7·8	+0·7				1	4	23	20	11	1	S 29° W	S 63° W	75	64	306*	365	23·50	11·97	Bombay	26
																														XI.—Central Provinces.	
·782	·751	·770	+·052	83	65	56	69	+10	6·4	7·1	6·7	—0·5	5	6	3		4	14	9	15	4	S 58° W	N 82° W	38	55	115	216	16·20	5·11	Nagpur	24
																														XII.—Hyderabad.	
·647	·609	·646	—·062	72	57	44	60	— 4	7·2	8·2	7·7	+1·4	2						1	46	11	N 83° W	N 84° W	92	72	164	218	6·18	2·35	Hyderabad.	
																														XIII.—Mysore.	
·601	·578	·598	—·025	90	65	55	72	— 2	8·1	8·0	8·1			1				2	25	29	3	S 71° W	S 72° W	85	81	276	223	2·27	0·84	Bangalore	30
·627	·634	·632	—·004	91	67	64	76	+ 1	8·8	9·1	8·9	+0·4							22	35	3	S 76° W	S 75° W	90	79	314	350	1·92	0·75	Mysore	
																														XIV.—Madras.	
·796	·842	·794		76	57	52	62		5·7	8·2	6·9		3	2	1			2	14	21	17	N 86° W		70		244		1·71	0·75	Pudukkottai	32
·745	·834	·805	—·028	76	53	59	65	— 1	7·7	6·7	7·2	+1·0		1		2	11	2	12	26	6	S 66° W	S 37° W	53	57	186*	211	1·70	0·72	Madras	
																														Bay Islands.	
·907	·902	·890	—·045	88	82	82	86	— 2	8·6	8·3	8·5	+0·7	8				5	13	15	18	1	S 44° W	S 45° W	62	78	159	250	18·60	2·48	Port Blair	1
																														Kashmir.	
·601	·767	·543	+·008	80	76	75	77†	— 2	3·2	4·4	3·8	+0·2	17	9	2		11	2	2	3	14	N 30° W	N 9° E	18	7	65	91	2·17	0·52	Srinagar	14
·207	·210	·190	+·022	55	37	29	41	+ 2	3·5	4·7	4·1	—0·9					3	16	19	20	2	S 47° W	S 81° W	73	34	112	62	0·67	0·07	Leh	
																														Baluchistan.	
·256	·230	·272	—·069	67	21	16	35	— 4	0·9	1·8	1·3	+0·2	11		2		8		10		29	N 66° W	N 72° W	37	39	53	72	0	0	Quetta	16

* Uncorrected for scale error.

† Mean of three previous columns.

or plateau stations, the elevations of which exceed 3,000 feet.

Ta

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

Number of subdivision.	Station.	Elevation of barometer 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 sea-level 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-bu 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 . . .	7,232	23·041	22·986	·055	23·006	+·020	22·968	72·1	60·8	11·3	80·4	53·2	27·2	66·5	69·7	65·7	−1·2	55·2	58·7	60·1
	Sarain . .		·062	23·006	·056	·029		·991	73·8	56·5	17·3	81·0	50·6	30·4	67·3	72·0	64·4			58·0	59·9
	Kalabagh . .		20·100	20·075	·025	20·082		20·044	56·5	46·8	9·7	60·7	40·1	20·6	51·4	54·9	50·9			46·8	49·0
	Chakrata . .	7,022	23·211	23·161	·050	23·184	+·027	23·141	71·7	59·8	11·9	80·9	55·2	25·7	67·8	68·5	64·9	−1·5	56·3	61·8	62·1
	Muktesar . .	7,592	22·758	22·696	·062	22·720		22·678	71·3	56·4	14·9	80·9	51·0	29·9	64·7	67·1	63·0		53·3	59·8	61·6
	Katmandu . .	4,388	25·485	25·388	·097	25·433	+·030†	25·387	83·0	66·8	16·2	88·4	62·0	26·4	76·0	79·5	74·1	+0·2†	65·0	69·7	71·0
	Darjiling . .	7,376	22·927	22·849	·078	22·884	−·012	22·839	65·4	56·6	8·8	70·1	54·4	15·7	62·7	62·4	60·2	+0·3	56·1	61·0	61·1
	Pachmarhi . .	3,528	26·267	26·179	·088	26·224	−·007	26·171	85·0	70·9	14·1	96·0	66·1	29·9	77·2	81·2	77·2	−1·0	67·0	70·2	71·4
	Mount Abu .	3,945	25·859	25·792	·067	25·826	−·020	25·776	80·8	68·5	12·3	88·7	63·4	25·3	75·7	78·3	73·8	−1·1	62·8	69·7	70·2
	Chikalda . .	3,642	26·162	26·065	·097	26·114	−·012	26·058	83·3	69·3	14·0	95·3	65·9	29·4	76·9	81·9	75·5	+0·1	64·9	67·8	70·3
	Ootacamund .	*7,327*	22·993	22·934	·059	22·960		22·897	63·7	52·4	11·3	70·5	49·7	20·8	60·2	59·4	57·2		51·3	56·3	56·1
	Kodaikanal . .	7,688	·762	·702	·060	·732		·667	63·2	53·6	9·6	70·2	51·1	19·1	60·9	58·6	58·4		50·5	56·4	56·1
	Dodabetta . .	8,539?	21·994	21·940	·054	21·964		21·901	58·9	48·9	10·0	67·1	45·7	21·4	55·2	54·7	53·1		47·1	52·9	52·6
	Extra India.																				
	Minicoy . .	7	29·875	29·833	·042	29·859															
	Zanzibar . .	72	30·081	·982	·099	30·036	−·008	30·036	81·7	73·7	8·0	83·9	72·2	11·7	77·3	81·1	77·1	−0·2	68·5	72·7	71·7
	Diego Garcia .									Observations not received.											
	Seychelles . .	15	29·983	·905	·078	29·946	−·001†	29·885	81·2	78·6	4·6	83·1	74·8	8·3	79·4	80·3	77·8	+0·2†	69·4	73·1	73·5
	Mauritius . .	181								Observations not received.											

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 normal.

ncluded.

ns in India, etc., in June, 1910—concluded.

Vapour tension, 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 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	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.	
·415	·420	·404	+·007	72	65	60	66	+ 5	5·9	6·3	6·1	+0·4																7·61	1·46	Simla.	
·387	·394				59	52			5·8	6·3	6·1		18	2	4	1	2	9	18	6		S 36° W		38		61		3·73	1·29	Sarain.	
·284	·298				75	69			7·1	7·8	7·5		14	8	2		5	11			20	N 46° W		22		225		4·71	1·44	Kalabagh.	
·488	·490	·464	+·054	82	74	72	76	+10	5·5	6·6	6·1	+1·0	13	1			12	33			1	S 79° E	S 66° W	68	48	113	178	12·58	3·42	Chakrata.	
·467	·493	·445		83	78	75	79		6·6	7·6	7·1		22		1	4		1	1	31		S 88° W		45		138		10·54	1·81	Muktesar.	
·654	656	·634	—·006	91	74	66	77	+ 1	6·8	6·5	6·7	+0·5	3	2	1	22		1		31		N 79° W	N 87° W	15	20	25*	31	10·67	1·49	Katmandu.	
·517	·525	495	+·003	97	91	93	94	0	9·9	9·8	9·9	+1·1	48		1	1	3			6	1	S 74° W	S 15° W	5	8	23	122	17·52	2·83	Darjiling.	
·657	·655	·645	+·031	82	73	66	74	+ 9	4·3	6·5	5·4	—1·4	7	4	3	1	2		11	24	8	N 85° W	N 31° W	55	63	193†	221	8·54	1·65	Pachmarhi.	
·661	645	·608	+·042	73	77	69	73	+ 7	7·4	7·4	7·4	+2·6		1	8	5	13	5	24	2	2	S 65° W	S 48° W	30	66	238	274	10·57	2·43	Mount Abu.	
·573	·602	582	—·015	79	64	59	67	— 3	6·5	6·0	6·3	—0·4																19·13	3·75	Chikalda.	
·415	·415	·395		94	80	83	86		8·7	9·2	8·9				1		4	1	21	30	3	S 70 W		77		186		5·24	1·00	Ootacamund.	
·413	·427	·393		82	77	86	82		7·2	9·2	8·2			3		1	3	4	1	18	30	N 65° W		68		358		8·57	1·41	Kodaikanal.	
·379	·380	·355		88	87	89	88		9·0	9·4	9·2		1	3			3	2	14	32	5	S 80° W		73		667		6·57	1·63	Dodabetta.	
																														Extra India.	
									8·1	7·9	8·0			2					9	39	10	N 87° W		87		364		13·40	1·41	Minicoy.	
·741	·647	·710	—·028	75	79	61	74	— 3	5·9	5·7	5·8	+1·0					12	30	17	1		S 5° W	S 4° E	85	87	197	211	0·02	0·01	Zanzibar.	
													Observations not received.																	Diego Garcia.	
·732	·739	·715	—·066	68	73	71	72	— 6	6·3	6·3	6·3	—0·8				1	29	25	5			S 20° E	S 27° E	87	81	283*	258	1·26	0·59	Seychelles.	
													Observations not received.																	Mauritius.	

† Mean of 29 days.

* Uncorrected for scale er

Table B.—Abstract of observations taken at 8 hrs. at 238 stations in India, etc., in June, 1910.

(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 2,000 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.
urma	+·016	88·4	0	75·9	+0·2	82·1	+0·1	12·5	19·6	—0·5	—11	87	0	·886	0	7·6	0	11·57	15·22	—3·65
astern Bengal and Assam	+·033	87·7	—0·6	76·9	+0·1	82·3	—0·3	10·8	21·4	—1·5	— 5	89	— 1	·929	—·010	7·2	—0·5	20·98	17·11	+3·87
engal	+·026	93·0	—1·2	78·8	—0·4	85·9	—0·8	14·2	27·5	—1·5	— 2	81	+ 1	·922	+·002	6·4	+0·4	9·84	9·41	+0·43
nited Provinces of Agra and Oudh.	+·015	98·0	—2·0	80·1	—0·6	89·1	—1·3	17·8	35·5	+0·1	0	69	+ 2	·851	+·048	4·3	—0·5	5·00	5·00	0
unjab	+·018	104·7	—0·6	81·3	+0·2	93·0	—0·2	23·4	43·0	+0·5	+ 4	53	+ 1	·695	—·002	2·5	—0·3	3·19	2·03	+1·16
orth-West Frontier Province	—·001	105·6	—1·3	79·3	+0·1	92·5	—0·7	26·3	43·1	—1·3	+ 3	51	+ 1	·693	—·002	2·7	+1·1	2·07	0·80	+1·27
nd	—·007	103·0	+0·4	82·8	—0·1	92·9	+0·2	20·2	35·1	—3·4	—12	66	+ 1	·879	+·029	3·5	+0·1	1·18	0·41	+0·77
ajputana	+·002	101·1	—2·1	81·7	—1·0	91·4	—1·6	19·4	35·3	—0·3	—12	62	+ 6	·782	+·029	4·5	+0·7	3·61	2·68	+0·93
ombay	—·029	90·2	—1·6	76·5	—0·7	83·4	—1·1	13·7	25·7	—2·3	— 2	81	+ 3	·855	+·001	7·1	+0·5	12·32	9·42	+2·90
entral India	—·005	95·3	—2·9	77·1	—1·9	86·3	—2·4	18·2	35·4	—2·1	— 2	75	+ 9	·801	+·049	6·6	+1·7	7·38	6·92	+0·46
entral Provinces	—·001	94·3	—2·0	76·3	—1·2	85·3	—1·6	18·0	35·9	+0·1	— 8	72	+ 5	·762	+·023	7·0	+1·2	9·52	6·81	+2·71
yderabad	—·021	94·3	—0·9	74·9	+0·4	84·6	—0·2	19·4	39·6	+1·5	+ 7	68	— 1	·690	—·050	7·3	+0·6	7·04	4·76	+2·28
ysore	—·013	83·7	+0·1	67·6	—0·1	75·7	0	16·1	25·9	+1·6	— 4	82	+ 1	·645	—·008	8·0	—0·1	4·33	5·27	—0·94
adras	—·016	93·3	—0·5	77·9	—0·1	85·6	—0·3	15·4	27·4	0	+ 5	74	+ 1	·818	—·001	7·3	+0·8	6·56	5·38	+1·18

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

Number of subdivision.	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.
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	Victoria Point	123	29·726		29·774	29·776	7th	29·656	23rd	·120												
	Mergui	65	29·795	—·014	29·792	29·847	11th	29·726	24th	·121	79·7	86·9	+1·2	74·2	+1·1	80·6	+1·1	12·7	90·9	15th	72·4	4th & 25th.
	Tavoy	19	29·835	—·016	29·786	29·879	12th	29·730	24th	·149	78·4	86·0	+1·2	75·8	+1·1	80·9	+1·1	10·2	90·0	14th & 15th.	73·8	30th
	Moulmein	94	29·748	+·026	29·780	29·808	15th	29·624	24th	·184	78·9	86·6	+2·0	75·2	+0·4	80·9	+1·2	11·4	91·0	15th & 16th.	70·8	8th
	Rangoon	18	29·794	+·014	29·748	29·875	16th	29·687	24th	·188	80·6	86·6	+0·1	77·5	+1·0	82·0	+0·5	9·1	90·1	2nd & 4th.	74·9	4th
	Bassein	27?	29·765	+·016	29·729	29·824	7th	29·654	24th	·170	80·8	87·5	+1·2	77·2	+0·9	82·4	+1·1	10·3	91·2	4th & 10th.	75·9	21st, 26th & 29th.
	Diamond Island	41	29·747	+·005	29·723	29·806	7th	29·633	24th	·173	83·0	85·9	+0·3	76·2	—0·2	81·0	+0·1	9·7	88·4	4th & 13th	71·2	26th
	Toungoo	164	29·638	+·027	29·744	29·684	17th	29·548	24th	·136	83·7	90·4	+1·3	75·6	+0·1	83·0	+0·7	14·8	94·5	5th, 24th & 25th.	72·8	8th
	Kyaukpyu	18	29·742		29·700	29·795	7th	29·630	24th	·165	79·5	86·9		76·1		81·5		10·8	91·0	24th & 25th.	72·4	5th
	Akyab	20	29·728	+·027	29·691	29·796	7th	29·620	24th	·176	80·2	86·1	+0·1	77·3	—0·8	81·7	—0·3	8·8	90·4	12th & 25th.	74·0	5th
3	Thayetmyo	121	29·656	+·031	29·718	29·709	17th	29·565	4th	·144	81·5	91·5	+0·1	77·0	+0·2	84·3	+0·1	14·5	94·5	24th, 26th & 30th.	74·9	7th
	Minbu	*165*	29·582	+·015	29·692	29·623	7th	29·483	4th	·140	80·5	92·6	—0·4	77·4	—0·4	85·0	—0·4	15·2	96·8	14th	75·5	7th
	Yamethin	657	29·103	+·010	29·712	29·156	19th	29·002	4th	·154	79·3	91·0	—0·9	75·3	0	83·2	—0·5	15·7	97·8	24th	72·5	7th & 8th
	Mandalay	250	29·512	+·037	29·711	29·557	11th	29·412	4th	·145	81·8	94·2	—0·8	77·8	—0·7	86·0	—0·7	16·4	98·0	25th	75·6	4th & 10th
	Monywa	*280*	29·476		29·695	29·515	11th	29·378	4th	·137	82·4	94·3		79·0		86·7		15·3	96·3	17th & 20th.	75·6	11th
	Lashio	*2,840*	26·992	0	29·686	27·057	16th	26·899	30th	·158	73·2	83·2	—2·3	69·7	+0·4	76·5	—0·9	13·5	88·8	25th	67·5	23rd
	Bhamo	*381*	29·361	+·034	29·699	29·416	16th	29·282	30th	·134	77·5	87·3	—3·2	74·0	—0·9	80·6	—2·1	13·3	92·9	26th	71·6	10th
	Myitkyina	458	29·251		29·669	29·319	23rd	29·162	30th	·157	77·6	85·1		74·2		79·6		10·9	94·2	26th	72·0	17th & 24th.
	II.—Eastern Bengal and Assam.																					
4	Dibrugarh	353	29·341		29·654	29·414	9th	29·246	4th	·168	77·7	85·0		73·6		79·3		11·4	90·9	4th	60·1	9th
	Sibsagar	333	29·369	+·018	29·659	29·439	23rd	29·287	30th	·152	78·9	86·7	—2·6	75·8	—0·6	81·3	—1·6	10·9	91·6	4th & 27th	73·0	8th & 9th
	Tezpur	252	29·441		29·652	29·507	10th	29·347	4th	·160	79·0	88·4		77·1		82·7		11·3	98·1	28th	74·9	1st, 9th & 10th.
	Gauhati	195	29·509		29·659	29·577	9th	29·415	4th	·162	80·5	88·5		76·5		82·5		12·0	93·3	27th	73·1	10th
	Dhubri	115									79·0	85·1	—0·6	77·3	+0·9	81·2	+0·1	7·8	89·5	1st	73·7	1st
	Silchar	104	29·633	+·046	29·690	29·692	28th	29·520	24th	·172	79·5	88·0	—1·4	76·1	—0·1	82·1	—0·7	11·9	94·3	25th	73·3	9th
5	Cox's Bazar	36	29·685		29·665	29·757	2nd	29·579	24th	·178												
	Chittagong	87	29·621	+·024	29·656	29·677	2nd & 7th.	29·524	30th	·153	81·2	86·7	+0·1	76·4	—0·2	81·6	—0·1	10·3	90·0	13th & 25th.	71·0	6th
	Noakhali	43	29·662		29·652	29·721	8th	29·550	4th	·171	80·6	85·6		77·5		81·5		8·1	90·3	2nd	71·9	6th
	Barisal	12	29·669	+·035	29·627	29·719	8th & 10th.	29·564	5th	·155	82·8	87·9	—0·8	77·8	—0·4	82·9	—0·6	10·1	93·3	2nd	71·1	6th
	Comilla	36	29·693		29·647	29·719	16th	29·575	5th	·144	80·7	87·1		77·2		82·1		9·9	92·3	25th	72·3	2nd & 6th
	Narayanganj	26	29·656	+·042	29·630	29·728	10th	29·555	5th	·173	82·4	88·7	—0·3	78·0	—0·3	83·3	—0·3	10·7	95·5	5th	73·3	6th
	Faridpur	46	29·631		29·627	29·691	11th	29·514	5th	·177	82·0	88·7		77·2		82·9		11·5	93·3	2nd	73·4	7th
	Sirajganj	49	29·629		29·628	29·699	10th	29·534	5th	·165	81·0	87·0		77·2		82·1		9·8	92·4	1st & 2nd	71·3	6th & 7th
	Mymensingh	63	29·633	+·025	29·648	29·699	9th	29·530	5th	·169	81·6	87·3	+0·1	77·5	+0·6	82·4	+0·3	9·8	92·6	25th	72·1	9th
	Bogra	75	29·610	+·049	29·637	29·677	10th	29·514	5th	·163	82·8	89·5	—0·3	77·4	+0·2	83·4	—0·1	12·1	94·7	9th	71·7	1st
	Rampur Boalia	70	29·593		29·612	29·665	10th	29·525	5th	·140	82·3	90·5		78·2		84·4		12·3	99·1	2nd	74·1	2nd, 5th & 6th.
	Malda	72	29·566		29·590	29·649	10th	29·454	5th	·195	81·5	89·7		77·8		83·8		11·9	95·8	2nd	72·5	5th
	Dinajpur	123	29·530	+·032	29·608	29·607	10th	29·438	5th	·169	80·3	89·5	0	77·1	—0·4	83·3	—0·2	12·4	97·3	9th	72·5	10th
	Rangpur	123	29·557		29·635	29·623	10th	29·462	5th	·161	81·2‡	87·8		76·1		81·9		11·7	92·1	9th	71·0	10th

‡ Mean of 29 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 3,000 feet.

B.

stations in India, etc., in June, 1910.

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, 1910.	Normal rainfall for period, 1st May to 30 h June.	Departure from normal of period, 1st May to 30th June, 1910.	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.
	1		1	11	10	4	2	1	S 14° E					62						7·0												Victoria Point.
20	1			8	1				S 47° E	S 79° W	5·9	1·8	+4·1	27	−30	90	−1	·898	+·004	5·7	−1·6	22	24·20	−2·20	22·43	30·29	−7·86	34·99	49·55	−14·56	5·59	Mergui.
22						1			S 45° W	S 55° W	1·9*	2·1	−0·2	3	−12	91	−1	·890	+·002	5·6	−2·0	23	25·80	−2·80	31·78	39·88	−8·10	72·56	65·93	+6·63	4·00	Tavoy.
10	6	4	7	3					N 61° E	S 14° E	6·0	3·7	+2·3	43	−9	91	−1	·898	+·008	8·6	+0·7	21	26·10	−5·10	22·55	36·38	−13·83	52·96	55·78	−2·82	4·00	Moulmein.
5	1	3	4	3	9	4	1		S 10° E	S 37° W	4·4	5·1	−0·7	27	−40	88	−5	·928	0	8·4	−0·4	20	24·80	−4·80	13·84	17·52	−3·68	40·00	28·74	+11·26	1·95	Rangoon.
26				1	1	1	1		S 23° W	S 13° W	4·2†	4·6	−0·4	7	−52	91	−1	·965	+·023	5·5	−2·5	18	24·50	−6·50	9·28	23·42	−14·14	20·78	33·72	−12·94	1·35	Bassein.
			1	7	8	12	2		S 12° W	S 39° W	12·7	9·6	+3·1	72	+2	81	−2	·920	+·017	5·7	−2·7	19	21·73	−2·73	11·33	23·17	−11·24	24·72	33·60	−8·88	3·42	Diamond Island.
4	1			13	8	4			S 20° E	S 32° E	2·6	5·1	−2·5	69	−16	88	−2	·923	−·003	9·1	+0·2	20	20·80	−0·80	11·27	14·15	−2·88	16·58	20·43	−3·85	1·32	Toungoo.
			4	22	1	2			S 48° E		5·6*			79		88		·895		4·8		22			25·67			44·63			3·80	Kyaukpyu.
3	1		8	13	2	1	2		S 54° E	S 48° E	4·4	3·8	+0·6	59	+7	93	0	·951	−·021	7·8	−1·2	24	24·40	−0·40	44·55	44·79	−0·24	57·36	56·67	+0·69	6·28	Akyab.
				9	16	5			S 6° E	S 6° E	6·8*	7·7	−0·9	86	−7	83	0	·889	+·015	9·2	+0·9	5	13·90	−8·90	1·73	6·34	−4·61	7·36	10·47	−3·11	0·64	Thayetmyo.
				21	9				S 32° E	S 48° E	5·6	11·7	−6·1	92	+21	83	+1	·864	−·026	7·6	+1·9	10	9·10	+0·90	6·21	4·54	+1·67	11·32	10·55	+0·77	1·61	Minbu.
2				14	14				S 23° E	S 29° E	5·7	9·9	−4·2	86	0	85	+4	·843	−·007	7·9	+2·7	5	7·40	−2·40	5·17	4·26	+0·91	11·15	11·02	+0·13	1·67	Yamethin.
8				12	8	2			S 21° E	S 1° W	8·1	8·8	−0·7	66	−6	78	+3	·834	−·032	7·3	+0·7	10	6·50	+3·50	7·29	5·79	+1·50	17·33	11·34	+5·99	3·84	Mandalay.
1				21	8				S 32° E		5·1			83		83		·921		8·9		3	6·80	−3·80	3·90	5·26	−1·36	14·74	8·80	+5·94	2·00	Monywa.
11	1			1	6	10	1		S 30° W		4·0*			49		88	+1	·726	−·004	8·9	+0·7	13			7·97	10·70	−2·73	20·75	16·83	+3·92	1·44	Lashio.
29						1			S 45° W	N 81° W	1·4	2·4	−1·0	3	−7	95	+6	·891	+·005	9·7	+2·1	23	19·10	+3·90	25·38	13·72	+11·66	29·36	20·18	+9·18	2·40	Bhamo.
20		4	5	1					N 77° E		1·5			30		87		·817		8·7		21			18·82	12·53	+6·29	23·79			2·46	Myitkyina.
																																II.—Eastern Bengal and Assam.
16	2	1	1	1	2	6		1	S 36° W		1·4			17		94		·882		9·3		24	18·10	+5·90	33·66	19·03	+14·63	39·39	33·63	+5·76	3·87	Dibrugarh.
11	1	9		1		8			N 52° E	N 70° E	2·5	2·8	−0·3	3	−22	91	−1	·900	−·038	9·6	+0·8	24	16·70	+7·30	22·40	13·59	+8·81	28·91	26·21	+2·70	4·04	Sibsagar.
27		3							N 45° E		2·2			10		92		·905		8·1		19	16·00	+3·00	10·48	11·87	−1·39	17·15	21·99	−4·84	1·31	Tezpur.
30									(a)		1·9					88		·915		8·2		18	14·50	+3·50	11·24	11·22	+0·02	18·89	20·98	−2·09	1·62	Gauhati.
12		9	3	1	1	4			N 76° E	N 77° E	4·0	5·7	−1·7	23	−21	92	+1	·914	+·012	5·9	−2·2	19	18·10	+0·90	36·14	23·17	+12·97	49·59	38·60	+10·99	9·10	Dhubri.
9		2	1	8					S 62° E	N 85° E				30	+25	90	+1	·913	−·010	6·2	−2·8	26	21·10	+4·90	23·75	21·99	+1·76	35·71	39·23	−3·52	3·77	Silchar.
	1	1	5	13	10				S 41° E		6·0			73						5·0		12			14·24			20·73			2·74	Cox's Bazar.
1		1		26	2				S 44° E	S 44° E	5·7	7·0	−1·3	89	+15	83	−3	·881	−·041	6·9	−0·9	12	16·74	−4·74	17·47	21·76	−4·29	21·18	32·07	−10·89	5·82	Chittagong.
		1	3	18	6	1	1		S 38° E		7·9			80		88		·921		6·2		22	18·39	+3·61	24·84	23·29	+1·55	35·83	33·35	+2·48	9·54	Noakhali.
4				7	14	5			S 3° E	S 17° E	3·1	4·4	−1·3	72	+31	87	0	·966	−·018	8·2	+0·1	23	16·52	+6·48	13·37	15·02	−1·65	25·03	24·21	+0·82	2·03	Barisal.
1			4	19	6				S 42° W		5·7			83		89		·932		5·1		19	17·39	+1·61	28·00	17·91	+10·09	35·54	28·92	+6·62	5·98	Comilla.
		1	8	10	7	3	1		S 39° E	S 32° E	5·9*	7·6	−1·7	66	−4	89	0	·980	−·002	8·2	−0·3	15	15·39	−0·39	14·06	12·64	+1·42	24·18	22·08	+2·10	4·14	Narayanganj
3			1	10	16				S 19° E		4·1			83		89		·971		7·7		22	14·28	+7·72	23·79	12·75	+11·04	32·18	21·05	+11·13	7·29	Faridpur.
6			3	6	14	1			S 20° E		3·2			70		89		·942		7·6		15	13·32	+1·68	6·21	11·57	−5·36	12·77	19·52	−6·75	0·82	Sirajganj.
6			6	9	8	1			S 38° E	S 61° E	2·2	4·0	−1·8	62	−5	88	−2	·951	+·014	9·0	+1·4	22	18·19	+3·81	22·73	17·34	+5·39	33·64	30·30	+3·34	6·57	Mymensingh.
6			6		7	1			S 35° E	S 66° E	1·2	4·0	−2·8	33	−34	81	−7	·922	−·030	2·8	−3·9	16	14·35	+1·65	15·55	12·90	+2·65	21·37	20·94	+0·43	2·58	Bogra.
4	1			4	7	4			S		3·5			85		85		·951		8·2		13	12·58	+0·42	7·62	10·70	−3·08	9·31	16·24	−6·43	2·11	Rampur Boalia.
1		2	7	11	5	3		1	S 45° E		5·9*			60		90		·967		4·7		13	12·16	+0·84	7·48	9·89	−2·41	10·11	13·74	−3·63	1·73	Malda.
6		1	7	10	6				S 50° E	S 78° E	2·9	4·4	−1·5	62	−12	90	+1	·937	+·009	7·7	−0·3	16	13·45	+2·55	19·18	13·17	+6·01	23·71	21·62	+2·09	3·40	Dinajpu
8		2	3	3	4				S 54° E		2·1			27		89‡		·922‡		5·6		19	15·61	+3·39	24·84	20·01	+4·83	39·14	30·32	+8·82	4·23	Rangpur

* Uncorrected for scale error. (a) Indeterminate. † Mean of 28 days.

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. 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
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	29·386	+·017	29·627	29·462	10th	29·305	30th	·157	79·4	87·8	−0·1	76·2	+1·0	82·0	+0·5	11·6	93·4	26th	73·4	1st & 9th	20
	Cooch Behar	156	29·524		29·635	29·585	10th	29·443	5th	·142	79·5	86·4		76·5		81·4		9·9	91·3	6th	72·6	1st	18
	III.—Bengal.																						
6	Saugor Island	25	29·607	+·024	29·576	29·691	7th	29·497	5th	·194	85·2	91·1	+0·7	81·0	−0·7	86·1	0	10·1	93·0	1st, 3rd & 15th.	77·0	4th & 7th.	16
	Midnapore	149	29·485		29·580	29·554	7th	29·414	24th	·140	83·5	93·2		76·7		85·9		14·5	102·3	3rd	75·7	4th	26
	Calcutta	21	29·621	+·035	29·588	29·689	10th	29·517	5th	·172	83·3	91·7	+0·6	78·3	−0·2	85·0	+0·2	13·4	98·2	3rd	73·5	4th	24
	Jessore	33	29·621	+·032	29·601	29·703	7th	29·515	5th	·188	83·0	90·8	−0·7	78·0	−0·8	84·4	−0·7	12·8	97·5	8th	74·2	7th	22
	Krishnagar	47	29·599		29·594	29·663	7th	29·494	5th	·169	82·1	91·1		78·4		84·8		12·7	95·4	2nd	73·5	7th	21
	Burdwan	99	29·541	+·035	25·587	29·613	10th	29·433	5th	·180	82·1	92·5	−1·3	78·3	−1·0	85·4	−1·1	14·2	99·4	4th	72·8	7th	26
	Bankura	313	29·307		29·569	29·384	10th	29·213	5th	·171	82·9	93·2		78·0		85·6		15·2	101·1	3rd	71·7	4th	29
	Raniganj	334	29·303		29·588	29·385	10th	29·199	5th	·186	81·5	92·8		78·3		85·6		14·5	102·0	3rd	75·0	7th	28
	Berhampore	67	29·534	+·039	29·600	29·664	10th	29·496	5th	·168	82·0	90·9	−1·5	78·3	−0·2	84·6	−0·9	12·6	97·6	2nd	75·2	4th	22
	Naya Dumka	489	29·145		29·583	29·222	10th	29·057	5th	·165	82·1	92·1		77·9		85·0		14·2	101·4	1st & 2nd	71·5	4th	29
7	Balasore	50	29·576	+·023	29·569	29·645	11th	29·462	25th	·183	84·4	93·5	+1·6	79·1	+0·5	86·3	+1·1	14·4	102·4	3rd	73·6	1st	28
	False Point	21	29·615	+·014	29·577	29·718	7th	29·439	24th	·279	84·3	89·3	−1·0	79·2	−0·9	84·2	−0·9	10·1	95·7	3rd	74·1	14th	21
	Cuttack	80	29·552	+·020	29·575	29·650	7th	29·372	24th	·278	84·1	94·0	−1·5	79·5	−0·6	86·8	−1·1	14·5	105·4	4th	75·7	10th	29
	Puri	24	29·608		29·571	29·704	7th	29·424	24th	·280	84·8	89·8		81·0		85·4		8·8	93·6	13th, 19th & 20th.	76·1	25th & 26th.	17
	Angul	155	29·170		29·580	29·251	2nd & 7th.	29·017	24th	·234	82·7	93·5		78·7		86·1		14·8	107·1	6th	75·0	26th	32
	Sambalpur	486	29·133	+·004	29·562	29·223	7th	28·995	24th	·228	85·5	96·2	−1·1	80·6	−0·1	88·4	−0·6	15·6	110·1	5th	74·1	28th	36
8	Chaibassa	*733*	28·872	+·014	29·551	28·941	10th	28·783	5th	·158	81·9	93·9	−2·3	77·4	−1·4	85·6	−1·9	16·5	106·1	7th	73·3	19th	32
	Ranchi	2,128	27·524	+·026	29·583	27·601	2nd	27·450	5th	·151	78·3	89·4	−1·7	74·5	−0·1	82·0	−0·9	14·9	99·7	5th	71·4	15th	28
	Purulia	*816*	28·808		29·570	28·899	10th	28·740	25th	·159	80·3	95·1		77·0		86·1		18·1	104·5	3rd & 4th	72·1	12th	32
	Hazaribagh	2,007	27·628	+·021	29·567	27·699	2nd	27·555	5th	·144	79·2	89·4	−3·1	74·7	−1·1	82·1	−2·1	14·7	99·7	12th	71·3	1st	28
	Daltonganj	*730*	28·877		29·555	28·959	2nd	28·761	5th	·198	84·7	97·1		80·0		88·7		17·1	109·1	5th	70·6	18th	38
9	Purnea	134	29·529	+·049	29·618	29·609	10th	29·441	5th	·168	80·9	89·5	−2·6	77·0	−0·3	83·3	−1·5	12·5	98·5	9th	72·2	4th	26
	Bhagalpur	160	29·472		29·583	29·556	10th	29·382	5th	·174	84·3	93·3		78·5		86·0		14·8	104·2	9th	75·8	10th	28
	Monghyr	155	29·464		29·569	29·542	10th	29·377	30th	·165	84·1	93·2†		79·1		86·2†		14·1	102·7	9th	75·9	10th	26
	Darbhanga	165	29·465	+·030	29·585	29·537	10th	29·382	30th	·155	82·6	92·1	−0·3	78·6	−0·6	85·3	−0·5	13·5	102·1	9th	75·3	4th, 7th & 16th.	26
	Pusa	188	29·438		29·298	29·506	10th	29·361	5th	·145	83·9	94·0		78·1		86·1		15·9	101·9	12th	75·0	7th	26
	Muzaffarpur	177	29·456		29·589	29·540	10th	29·380	5th	·160	83·7	92·1		78·5		85·3		13·6	99·7	3rd & 9th	73·5	4th	26
	Motihari	221	29·404		29·584	29·484	10th	29·325	30th	·159	82·0	90·8		77·7		84·2		13·1	97·6	9th	72·3	4th	25
	Chapra	181	29·425		29·559	29·486	10th	29·358	5th & 30th	·128	84·2	95·4		79·3		87·3		16·1	104·3	9th	73·4	4th	30
	Patna	183	29·432	+·029	29·567	29·487	10th	29·355	5th	·132	85·0	93·6	−2·8	80·3	+0·3	86·9	−1·3	13·3	102·0	9th	76·7	17th	25
	Arrah	190	29·417		29·557	29·464	10th	29·344	5th	·120	86·5	95·3		81·8		88·5		13·5	103·1	9th	78·0	16th	25
	Buxar	239	29·354		29·547	29·419	2nd	29·286	30th	·133	85·6	96·6		80·7		88·6		15·9	105·0	9th	72·1	1st	32
	Dehri	351	29·248¶		29·546¶	29·313	2nd	29·183	30th	·130	86·2	97·6		81·8‡		89·7‡		15·8	106·8	7th	77·0	15th	29
	Gaya	372	29·231	+·026	29·554	29·302	2nd	29·147	5th	·155	85·8	97·3	−2·3	80·7†	+0·5†	89·4†	−0·9	16·6	106·4	7th	77·2	8th & 15th.	29
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·347	+·032	29·559	29·427	10th	29·268	5th	·159	83·5	91·7	−5·2	76·7	−3·0	84·2	−4·1	15·0	101·6	9th	71·5	21st	30
	Benares	267	29·325	+·028	29·543	29·408	2nd	29·263	4th & 5th.	·145	87·7	99·4	−0·7	81·5	−0·4	90·5	−0·5	17·9	109·1	6th	75·1	10th	34
	Allahabad	309	29·270	+·018	29·529	29·358	2nd	29·198	16th	·160	88·0	100·0	−1·7	82·2	−0·3	91·1	−1·0	17·8	111·1	5th	76·0	16th	5

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

‡ Mean of 29 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.

continued.

ndia, etc., in June, 1910—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 May to 30th June, 1910.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June, 1910.	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	49	50	51	52	53	54	55	56	57
																														II.—Eastern Bengal and Assam—*concld.*
1	4	7	2					S 57° E	S 86° E	2·2			40	−18	90	+ 1	·913	+·006	8·8	+3·6	18	18·66	− 0·66	39·30	22·86	+16·44	49·30	31·90	+14·40	5·47	Jalpaiguri.
	10	2	4	3	3			S 41° E		1·8			30		91		·915		8·5		21	19·24	+ 1·76	46·01	32·15	+13·89	66·19	47·41	+18·78	5·29	Cooch Behar.
																														III.—Bengal.
	3	6	15	4		1		S 10° E	S 11° W	16·1	15·9	+0·2	72	+13	85	0	1·020	+·006	7·7	−0·8	14	12·10	+ 1·90	8·11	10·02	− 1·91	11·05	15·11	− 4·06	1·94	Saugor Island.
	4	3	23					S 14° E		3·8			87		82		·932		6·5		15	12·90	+ 3·00	8·97	10·51	− 1·54	12·71	16·20	− 3·49	1·20	Midnapore.
1	6	5	13	5				S 19° E	S 4° E	5·5*	5·9	−0·4	69	+21	86	+ 1	·934	+·022	7·0	−0·3	12	12·88	− 0·88	6·48	11·35	− 4·87	11·28	17·03	− 5·75	1·55	Calcutta.
	1	9	9	1				S 23° E	S 27° E	1·7	4·5	−2·8	53	+ 7	81	− 4	·938	−·041	7·3	−0·6	19	14·55	+ 4·45	12·48	12·56	− 0·08	21·16	20·50	+ 0·66	2·37	Jessore.
	7	10	9					S 41° E		2·6			70		90		·982		7·2		17	12·19	+ 4·81	10·80	9·88	+ 0·92	19·39	15·43	+ 2·96	2·51	Krishnagar.
1	6	4	4	5	1			S 28° E	S 4° E	3·2	4·9	−1·7	37	− 7	87	+ 5	·962	+·030	8·5	+1·0	13	12·71	+ 0·29	14·50	9·92	+ 4·58	19·99	16·27	+ 3·72	4·26	Burdwan.
	1	3	7	2		1		S 6° E		3·5			33		79		·873		5·4		14	11·89	+ 2·11	12·67	10·32	+ 2·35	15·92	14·21	+ 1·71	4·20	Bankura.
1	6	3		1				S 76° E		2·1			27		87		·912		6·7		16	12·21	+ 3·79	10·42	9·93	+ 0·50	14·01	14·70	+ 0·31	3·15	Raniganj.
	11	8	9	1				S 49° E	S 36° E	4·6	4·7	−0·1	69	+17	87	− 2	·954	−·018	8·9	+0·8	13	12·00	+ 1·00	11·73	9·54	+ 2·19	17·92	14·95	+ 2·97	5·74	Berhampore.
1	2	4	1			1		S 68° E		0·9			17		83		·912		5·6		10	12·03	− 2·03	7·32	9·96	− 2·64	9·53	13·56	− 4·03	1·75	Naya Dumka.
1	2	2	7	12	3			S 25° W	S 32° W	4·1	7·2	−3·1	56	− 3	78	− 7	·914	−·068	6·2	−1·8	9	11·00	− 2·00	2·66	11·32	− 8·66	5·02	17·29	−12·27	0·50	Balasore.
	1	2	7	12	4	2		S 36° W	S 43° W	10·2	12·5	−2·3	62	− 5	81	0	·979	−·017	8·0	0	11	9·27	+ 1·73	8·23	8·30	− 0·07	10·01	13·53	− 3·52	1·40	False Point.
1	2	2	5	2	2			S	S 47° W	2·4*	4·0	−1·6	26	−33	83	+ 5	·977	+·064	7·0	0	12	11·26	+ 0·74	10·90	10·82	+ 0·08	13·21	15·06	− 1·85	2·42	Cuttack.
2	1	1	5	13	3			S 39° W		12·5			47		82		·979		6·2		6	8·11	− 2·11	5·69	7·99	− 2·39	6·62	10·88	− 4·26	2·73	Puri.
3	6	2	1	1	1	4		S 68° E		5·05			17		82		·904		5·7		16			11·60			13·54			2·55	Angul.
1		4	4	18	2			S 32° W	S 23° W	5·0	5·2	−0·2	69	+11	70	− 4	·811	−·018	7·7	+1·1	12	10·40	+ 1·60	7·85	11·35	− 3·50	8·08	12·97	− 4·89	1·31	Sambalpur.
2	5	1	1	9	6	1		S 45° W	S 52° W	3·0	2·9	+0·1	27	−14	81	+ 5	·885	+·015	8·0	+2·2	15	11·29	+ 3·71	11·11	9·51	+ 1·60	13·16	12·85	+ 0·31	2·45	Chaibassa.
	4	5	4	9	5	2		S 23° W	S 42° W	7·3	8·7	−1·4	43	− 1	80	+ 4	·761	−·001	7·3	+1·4	14	12·47	+ 1·53	13·59	10·36	+ 3·23	15·77	12·44	+ 3·33	5·35	Ranchi.
7	1	1	8	1				S 63° E		2·7			23		86		·875		2·7		14	12·39	+ 1·61	6·16	10·07	− 3·91	6·88	12·99	− 6·11	1·23	Purulia.
	2	5	7	9	3	2		S 21° W	S 27° W	7·6	9·3	−1·7	46	+ 2	76	+ 4	·738	−·001	7·2	0	18	11·19	+ 6·81	7·16	9·11	− 1·95	10·50	11·44	− 0·94	1·43	Hazaribagh.
4	2	2	1	3	2	1		S 45° E		5·3			3		71		·833		5·3		11	8·48	+ 2·52	5·91	6·10	− 0·19	6·16	7·14	− 0·98	0·99	Daltonganj.
2	4							N 75° E	N 84° E	0	4·0	−4·0	17	−49	90	+ 4	·937	+·005	7·8	+1·0	16	11·50	+ 4·50	19·53	10·02	+ 9·51	23·12	14·79	+ 8·33	5·37	Purnea.
1	12	4			1			S 82° E		3·3			50		81		·946		6·5		13	9·90	+ 3·10	8·69	8·28	+ 0·41	11·22	11·07	+ 0·15	1·95	Bhagalpur.
	12	13	1			1		S 67° E		8·0			77		83		·975		7·3		12			4·61			6·00			1·65	Monghyr.
2	23	1			1			N 88° E	S 75° E	4·7	6·0	−1·3	79	+ 2	85	+ 3	·919	+·025	7·0	+1·6	13	8·42	+ 4·57	9·17	8·14	+ 1·03	10·95	11·21	− 0·26	2·71	Darbhanga.
13	7	8						N 80° E		5·1			73		81		·930		6·4		8			7·46			7·86			2·25	Pusa.
2	13	12	1					S 71° E		9·6*			80		82		·932		3·9		9	8·06	+ 0·94	11·87	7·25	+ 4·62	13·90	9·65	+ 4·25	4·05	Muzaffarpur.
1 2	28							N 86° E		4·4			90		86		·938		5·7		15	9·39	+ 5·61	10·72	8·90	+ 1·82	13·14	11·55	+ 1·59	2·64	Motihari.
								?		?					83		·934		5·3		7	7·61	− 0·61	4·44	6·40	− 1·96	4·50	7·75	− 3·25	1·62	Chapra.
	1	20	4		1			S 83° E	S 87° E	4·5	5·6	−1·1	76	+13	78	+ 1	·940	+·029	6·5	+0·7	9	7·81	+ 1·19	9·55	8·54	+ 1·01	9·87	10·47	− 0·60	3·34	Patna.
	7	6	10		2	2		S 79° E		3·0			50		72		·905		5·2		9	7·90	+ 1·10	3·90	6·95	− 3·05	3·93	8·4	− 4·52	1·41	Arrah.
	2	19	3	1	1	1	1	S 84° E		4·9			67		74		·895		6·0		7	8·06	− 1·06	5·89	5·44	+ 0·45	6·07	6·26	− 0·19	2·56	Buxar.
		5	8	3	7		2	S 18° E		7·5			43		71		·880		3·3		4	8·06	− 4·06	5·56	6·53	− 0·97	6·37	7·35	− 0·98	2·39	Dehri.
1	5	3	4	2	1	3		S 80° E	S 66° E	2·9	4·9	−2·0	20	− 3	74	− 1	·920	+·004	5·3	0	9	8·32	+ 0·68	5·35	7·43	− 2·08	6·21	8·41	− 2·20	0·95	Gaya.
																														IV.—United Provinces of Agra and Oudh.
1	12	4	3					N 63° E	N 81° E	3·0	3·2	−0·2	53	+ 3	86	+ 7	·983	+·077	3·9	−1·0	11	7·70	+ 3·30	11·59	9·09	+ 2·50	14·22	10·43	+ 3·79	4·16	Gorakhpur.
2	1	5	8		2	2	3	S 69° E	S 83° E	4·7	5·2	−0·5	23	+ 3	74	+ 2	·949	+·102	5·5	−0·1	6	6·80	− 0·80	3·51	6·23	− 2·72	3·54	6·87	− 3·33	1·32	Benares.
1	2	8		2	5	6	3	S 65° W	N 46° E	6·1	8·0	−1·9	7	− 6	63	− 3	·827	+·002	7·1	+1·3	4	6·20	− 2·20	3·13	6·42	− 3·29	3·77	6·71	− 2·94	1·69	Allahabad.

† Mean of 25 days.

¶ Mean of 5 days.

* Uncorrected for scale error.

§ Mean of 28 days.

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

Number of subdivision.	Station.	Elevation of barometers 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.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	IV.—United Provinces of Agra and Oudh—*concld.*																					
10	Cawnpore	416	29·143	+·003	29·511	29·218	11th	29·081	14th	·137	87·4	99·6	−1·5	80·9	−1·1	90·2	−1·3	18·7	109·7	10th	75·0	16th
	Lucknow	368	29·213	+·020	29·536	29·280	2nd	29·112	17th	·168	86·0	97·1	−3·4	80·5	−0·8	88·8	−2·1	16·6	108·0	9th	75·6	16th
	Bahraich	401	29·191	+·013	29·550	29·248	28th	29·021	17th	·227	83·8	93·9	−3·5	79·7	+0·5	86·8	−1·5	14·2	107·1	9th	74·5	17th & 23rd.
11	Jhansi	824	28·757	−·003	29·522	28·854	2nd	28·687	24th	·167	87·7	99·1	−3·7	81·8	−2·2	90·5	−2·9	17·3	109·5	10th	74·0	16th
	Agra	556	29·035	−·003	29·510	29·089	6th	28·930	14th	·159	89·9	103·1	−1·2	83·9	−0·6	93·5	−0·9	19·2	114·0	10th	74·5	23rd
	Mainpuri	516	29·046	+·006	29·511	29·134	7th	28·960	14th	·174	87·6	101·8	+0·6	82·2†	+0·7†	92·2†	+0·7	19·6	113·3	10th	77·1	11th
	Bareilly	568	29·006	+·016	29·531	29·066	7th	28·923	5th	·143	85·2	96·2	−3·5	79·2	−0·6	87·8	−2·1	17·0	110·3	10th	72·0	24th & 25th.
	Meerut	733	28·841	+·019	29·529	28·904	2nd	28·759	14th	·145	87·0	101·0	+0·4	79·9	−0·5	90·4	−0·1	21·1	111·6	10th	71·8	20th
	Roorkee	899	28·698	+·035	29·551	28·767	2nd	28·619	5th	·148	85·7	98·2	−2·2	78·8	+0·2	88·4	−1·0	19·4	110·0	10th	73·4	24th
	Dehra Dun	2,233	27·407	+·014	29·559	27·477	26th	27·322	5th	·155	80·3	92·7	−0·3	74·5	+0·1	83·6	−0·1	18·2	104·5	10th	68·0	24th
	V.—Punjab.																					
12	Delhi	718	28·857	+·022	29·524	28·942	2nd	28·781	5th	·161	89·5	104·1	+0·9	83·7	+0·4	93·9	+0·7	20·4	113·7	10th	76·2	16th & 23rd.
	Sirsa	662	28·880‡	+·008‡	29·493‡	28·998	1st	28·779	22nd	·219	90·1‡	107·6‡	+0·9‡	82·2‡	−0·9‡	94·9‡	0	25·4	115·3	10th	73·0	1st
	Patiala	*818*	28·787		29·561	28·892	1st	28·668	30th	·224	86·2	101·2		79·9		90·5		21·3	112·8	10th	71·2	18th
	Ambala	892	28·683	+·016	29·528	28·801	2nd	28·601	4th	·200	86·9	103·1	+1·7	79·3	−0·9	91·2	+0·4	23·8	115·5	10th	70·9	23rd
	Ludhiana	812	28·757	+·031	29·528	28·874	2nd	28·618	15th	·226	85·6	103·5	−1·3	80·8	+0·1	92·1	−0·6	22·7	116·5	10th	72·0	18th
	Lahore	702	28·838	+·018	29·497	28·931	19th	28·731	14th & 15th.	·200	89·0	105·7	−1·7	81·5	+2·2	93·6	+0·3	24·2	117·4	10th	73·2	18th
	Sialkot	830	28·722	+·023	29·509	28·818	2nd	28·579	15th	·239	87·1	101·0	−4·5	79·0	−1·5	90·0	−3·0	22·0	114·0	10th	70·5	19th
	Rawalpindi	1,674	27·912	+·020	29·526	28·047	28th	27·777	15th	·270	87·1	101·5	−1·3	75·0	−0·3	88·2	−0·8	26·5	112·4	10th	67·9	16th
13	Khushab	612	28·921	+·021	29·488	29·042	19th	28·792	14th	·250	91·5	106·9	−0·2	82·9	+0·5	94·9	+0·1	24·0	118·4	10th	73·9	30th
	Montgomery	558	28·962	+·017	29·474	29·077	19th	28·832	15th	·245	92·1	108·2	−1·8	82·9	−1·2	95·6	−1·5	25·3	116·4	9th	69·0	18th
	Multan	420	29·086	+·007	29·460	29·222	19th	28·974	22nd	·248	93·3	109·1	+1·3	87·3	+3·6	98·2	+2·5	21·8	116·3	9th	78·0	30th
	VI.—North-West Frontier Province.																					
15	Peshawar	1,110	28·445	+·004	29·514	28·567	19th	28·312	14th	·255	88·7	104·4	−1·5	77·5	+0·2	90·9	−0·7	26·9	114·2	10th	70·9	3rd & 19th
	D. I. Khan	590	28·924	−·005	29·453	29·056	19th	28·766	15th	·290	89·6	106·8	−1·2	81·2	0	94·0	−0·6	25·6	115·4	14th	72·6	30th
	VII.—Sind.																					
17	Jacobabad	186	29·303	−·010	29·445	29·447	2nd	29·192	15th	·255	93·1	113·1	+0·4	85·3	+0·9	99·2	+0·7	27·8	119·6	9th	74·8	2nd
	Hyderabad	96	29·446	−·002	29·424	29·593	2nd	29·301	25th	·292	88·1	105·1	+0·9	81·5	−0·2	93·3	+0·3	23·6	115·5	25th	75·0	28th
	Karachi	13	29·570	−·010	29·533	29·738	2nd	29·419	25th	·319	85·3	90·8	−0·1	81·5	−1·0	86·2	−0·5	9·3	98·0	27th	76·0	29th
	VIII.—Rajputana.																					
18	Bikaner	*771*	28·731	+·005	29·500	28·918	1st	28·691	22nd	·227	91·7	107·9	+1·4	86·3	+1·1	97·1	+1·3	21·6	113·5	23rd	73·0	2nd
	Jodhpur	780	28·806	−·014	29·554	28·886	3rd	28·706	25th	·180	87·2	102·5	−2·6	82·0	−0·7	92·2	−1·7	20·5	107·5	8th	72·3	18th
19	Jaipur	1,431	28·187	+·012	29·554	28·271	1st	28·112	22nd	·159	87·7	102·7	+0·2	80·5	−0·6	91·7	−0·2	22·2	112·2	11th	71·6	6th
	Sambhar	1,254	28·356	+·023	29·550	28·456	1st	28·281	25th	·175	88·6	103·8	+1·5	81·6	−0·8	92·7	+0·3	22·2	110·4	11th	72·9	16th & 17th.
	Ajmer	1,611	28·021	+·007	29·568	28·106	2nd	27·936	25th	·170	84·9	98·0	−2·5	82·2	+1·5	90·1	−0·5	15·7	104·9	10th	77·2	17th & 20th.
	Kotah	819?	28·759	−·009	29·563	28·903	6th	28·648	24th & 25th.	·255	87·7	99·5	−7·3	82·1	−4·9	90·8	−6·1	17·4	108·5	4th	74·1	6th
	Udaipur	1,925	27·743	−·010	29·591	27·935	5th	27·618	25th	·317	82·3	93·0	−5·7	76·8	−2·5	84·9	−4·1	18·2	101·5	4th	70·2	6th & 13th
	IX.—Bombay.																					
20	Deesa	466	29·158	−·022	29·575	29·269	3rd	29·010	25th	·259	84·1	98·1	−3·8	78·9	−1·7	88·5	−2·7	19·2	106·3	4th	72·4	17th
	Bhuj	395	29·218	−·015	29·561	29·253	2nd	29·054	26th	·290	84·8	98·3	+0·7	80·2	+0·4	89·2	+0·5	18·1	104·5	22nd, 25th & 26th.	75·5	28th & 29th.

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. § Mean of 22 days.

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dia, etc., in June, 1910—continued.

Wind direction.								Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									
r of winds from																												
E.	S.E.	S.	S.W.	W.	N.W.																							
Resultant 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 June, 1910.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June, 1910.	Heaviest rainfall during month.	Station.
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.*
8	2	1	7	5		S 21° E	S 59° E	4·6	5·5	−0·9	17	− 5	68	+ 3	·863	+·027	2·6	−2·8	3	5·00	−2·00	2·24	4·09	− 1·85	2·85	4·40	−1·55	1·52	Cawnpore.
13	2	1	1	1		S 80° E	S 89° E	5·1	4·2	+0·9	43	+ 7	73	+ 4	·903	+·066	4·2	−1·6	5	6·10	−1·10	3·22	5·71	− 2·49	5·25	6·72	−1·47	2·01	Lucknow.
12	9	5	1	1		S 57° E	S 69° E	4·5	4·9	−0·4	66	+ 6	77	+ 2	·875	−·020	4·3	−0·5	8	7·30	+0·70	7·73	6·53	+ 1·20	9·64	8·48	+1·16	3·33	Bahraich.
5	1	1	8	9	1	S 55° W	N 89° W	8·5	5·5	+3·0	40	+ 9	63	+ 7	·821	+·090	4·7	+1·2	8	5·80	+2·20	5·28	6·06	− 0·78	5·52	6·47	−0·95	1·03	Jhansi.
7	5	3	2	3	2	S 50° E	S 16° W	8·3	6·5	+1·8	27	+ 1	59	+ 2	·812	+·048	4·7	+0·9	5	3·90	+1·10	1·75	2·90	− 1·15	1·76	3·46	−1·70	0·66	Agra.
7	5	4	2	6	2	S 15° E	N 80° E	3·3	2·9	+0·4	23	+ 7	67	+ 1	·854	+·033	2·9	−2·0	4	4·60	−0·60	2·45	4·73	− 2·28	3·15	5·16	−2·01	1·75	Mainpuri.
	2					S 45° E	S 56° E	0·3	4·3	−4·0	3	−38	77	+ 7	·927	+·103	5·2	+0·8	5	4·91	+0·09	5·00	5·96	− 0·96	6·86	6·72	+0·14	2·30	Bareilly.
4	7	7	1	2	1	S 30° E	S 60° E	4·8	2·7	+2·1	37	+ 4	60	− 2	·770	+·023	3·1	−1·1	2	4·00	−2·00	0·68	3·49	− 2·81	1·94	4·09	−2·15	0·53	Meerut.
3	16				1	S 52° E	S 41° E	4·7	3·6	+1·1	56	+15	65	+ 2	·789	+·061	2·9	−1·3	4	6·00	−2·00	4·37	5·31	− 0·94	6·69	6·13	+0·56	2·81	Roorkee.
		1				S	S 36° E	2·0*	1·7	+0·3	3	− 3	68	− 2	·691	+·013	4·8	−0·2	9	10·00	−1·00	5·13	10·26	− 5·13	6·29	11·95	−5·66	1·50	Dehra Dun.
																													V.—Punjab.
5	3	10	1		5	3	S 69° E	S 41° E	6·8	4·9	+1·9	23	+10	56	0	·755	+·033	3·8	−1·2	3	4·10	−1·10	0·71	3·41	− 2·70	0·75	4·13	−3·38	0·31	Delhi.
2	1	2		8	11	4	S 83° W	S 27° W	6·7	7·1	−0·4	53	+27	50‡	− 1	·678‡	−·032	2·0	−2·5	4	3·20	+0·80	2·60	1·79	+ 0·81	2·76	2·50	+0·26	0·90	Sirsa.
1	10	5	3	1	1	3	S 87° E		7·2			34		61		·728		2·9		6			4·00			4·00		2·07	Patiala.
	6	7	2		1	3	S 70° E§	S 61° E	6·4	2·5	+3·9	27§	−25	60	− 7	·735	−·064	4·3	+1·3	6	4·30	+1·70	5·80	6·29	− 0·49	6·26	7·02	−0·76	2·25	Ambala.
2		10	1	2	1	2	S 40° E	S 37° E	3·4	2·8	+0·6	27	−10	58	+ 2	·690	−·036	3·2	−0·1	7	3·50	+3·50	6·29	3·02	+ 3·27	6·37	3·63	+2·74	2·81	Ludhiana.
2	5	9	3	1	3	2	S 48° E	S 60° E	3·6	3·6	0	33	+ 3	56	+ 4	·751	+·058	2·1	−0·7	5	2·30	+2·70	3·52	2·09	+ 1·43	3·60	2·91	+0·69	2·04	Lahore.
4	13	6	1		1	2	E	N 81° E	2·9	3·1	−0·2	59	+15	60	+ 8	·750	+·051	2·4	+0·4	7	3·60	+3·40	5·90	3·08	+ 2·82	6·38	4·11	+2·25	3·14	Sialkot.
2	2	1					N 83° E	N 89° E	2·5	2·8	−0·3	13	− 7	51	+ 1	·623	+·003	2·6	−0·2	6	3·30	+2·70	7·68	2·01	+ 5·67	8·00	3·48	+4·52	2·58	Rawalpindi.
9	12	4	1	1		1	N 83° E	N 69° E	7·7	7·1	+0·6	68	+14	43	0	·621	+·027	1·7	−0·1	3	1·50	+1·50	1·11	1·72	− 0·61	1·31	2·50	−1·19	0·67	Khushab.
2	5	4	7	9	1		S 8° E	S 3° W	10·5	9·5	+1·0	43	+ 6	41†	+ 1	·619†	−·048	1·9	+0·4	3	2·00	+1·00	2·64	1·14	+ 1·50	2·61	1·41	+1·23	1·82	Montgomery.
1		2	8	7			S 13° W	S 3° W	1·5	3·3	−1·8	40	+10	45	− 3	·694	−·008	0·9	+0·2	1	1·10	−0·10	0·52	0·62	−0·10	0·54	0·92	−0·38	0·52	Multan.
																													VI.—North-West Frontier Province.
1	1	1	1		4	4	N 37° W	N 6° W	1·9	4·4	−2·5	23	+ 1	44	0	·578	−·015	2·7	+0·8	5	0·90	+4·10	1·77	0·30	+1·47	2·91	1·05	+1·86	1·10	Peshawar.
9		3	1	1		1	N 48° E	N 51° E	2·3	2·5	−0·2	30	+ 4	59	+ 3	·803	+·011	2·8	+1·4	2	1·30	+0·70	3·34	0·65	+2·69	3·55	0·99	+2·56	3·14	D. I. Khan.
																													VII.—Sind.
2	4	8	8	1			S 43° E	S 51° E	6·5	5·3	+1·2	43	−12	56	+ 5	·858	+·072	0·5	−0·6	2	0·30	+1·70	0·85	0·09	+0·56	0·81	0·25	+0·59	0·26	Jacobabad.
1		2	6	18		1	S 34° W	S 39° W	10·6	17·5	−6·9	66	−15	62	+ 1	·813	+·021	4·0	+0·2	2	0·70	+1·30	2·57	0·38	+2·19	2·57	0·56	+2·01	1·37	Hyderabad.
	1	1	1	6	19	2	S 79° W	S 75° W	13·0	17·5	−4·5	76	−10	80	− 2	·965	−·006	6·0	+0·8	2	0·50	+1·50	2·29	0·71	+1·58	2·29	0·71	+1·58	1·69	Karachi.
																													VIII.—Rajputana.
	1	4	3	10	7	2	S 45° W	S 38° W	10·0	9·4	+0·6	53	−14	50	− 4	·727	−·027	2·4	+0·1	3	2·10	+0·90	1·31	1·70	− 0·39	1·31	2·58	−1·27	0·75	Bikaner.
1	2		2	18	4		S 45° W		6·1			66		61	+ 4	·771		4·3		6	2·60	+3·40	3·20	1·49	+ 1·81	3·30	1·76	+1·54	1·17	Jodhpur.
1	5	2		3	10	7	N 72° W	S 88° W	7·0*	6·8	+ 0·2	33	− 4	61	+ 4	·782	+·062	5·0	+0·8	3	4·40	−1·40	1·14	2·66	− 1·52	1·20	3·15	−1·95	0·44	Jaipur.
	4	2	1	2	11	6	N 83° W	N 89° W	8·9	11·1	−2·2	37	−22	57	0	·753	+·028	4·7	+0·7	3	3·60	−0·60	0·83	1·58	− 0·75	0·83	2·34	−1·51	0·28	Sambhar.
		2		5	15	3	S 82° W	S 84° W	9·8	9·4	+ 0·4	62	− 8	69	+ 8	·820	+·070	4·8	+1·2	7	3·90	+3·10	5·20	2·48	+ 2·72	5·20	3·09	+2·11	1·76	Ajmer.
	2	2		10	7	3	S 75° W		4·0			43		63	+17	·816		4·5		8	6·20	+1·80	8·17	1·98	+ 6·19	8·17	2·52	+5·65	3·50	Kotah.
	2		3	1	13		S 77° W		4·7			40		74	+13	·804		6·0		12	5·10	+6·90	9·37	1·68	+ 7·69	9·37	2·73	+6·64	1·97	Udaipur.
																													IX.—Bombay.
							N	S 69° W	11·4‖	16·7	−5·3	93	+30	75	+ 7	·869	+·049	6·5	+0·6	10	2·18	+7·82	7·95	2·27	+ 5·68	7·95	2·52	+5·43	2·30	Deesa.
		2	3	11	8	5	S 67° W	S 72° W	12·8	17·7	−4·9	66	−12	71	0	·847	−·026	7·8	+2·8	4	2·40	+1·60	6·09	2·03	+ 4·06	6·12	2·12	+4·00	5·11	Bhuj.

* Uncorrected for scale error. ‖ Mean of 27 days. † Mean of 28 days.

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

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. temperatures.	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.*																					
29	Jamnagar	61	29·564		29·570	29·694	2nd	29·384	26th	·310	85·2	93·3		78·9		86·1		14·4	102·7	3rd	75·4	23rd
	Dwarka	37?	29·592		29·574	29·731	2nd	29·405	26th	·326	85·6	89·4		82·4		85·9		7·0	91·8	21st	79·2	28th & 29th.
	Rajkot	429	29·201	−·027	29·579	29·340	2nd	29·025	26th	·315	82·6	93·8	−6·0	77·3	−0·3	85·5	−2·1	16·5	103·6	3rd	73·0	7th & 23rd.
	Veraval	*18*	29·623	−·037	29·583	29·777	2nd	29·417	26th	·360	83·4	85·7	−0·7	80·5	−0·5	83·1	−0·6	5·2	89·1	20th & 25th.	73·8	24th
	Bhavnagar Para	55	29·602	−·051	29·601	29·764	2nd	29·412	26th	·352	84·5	93·7	−4·6	79·0	−1·4	86·3	−3·0	14·7	103·1	1st	74·0	24th
	Surat	39	29·623	−·037	29·607	29·775	2nd	29·447	26th	·328	82·1	89·2	−4·5	78·3	−1·0	83·8	−2·7	10·9	96·1	3rd	74·6	24th
	Ahmedabad	163	29·471	−·024	29·582	29·604	2nd	29·308	24th	·296	82·8	95·9	−3·8	79·2	−1·5	87·5	−2·7	16·7	105·1	1st & 3rd	74·7	4th & 17th.
26	Bombay	37	29·659	−·050	29·636	29·793	2nd	29·447	25th	·349	82·0	87·2	−0·4	79·3	−0·2	83·3	−0·3	7·9	95·0	3rd	75·5	23rd
	Ratnagiri	110	29·623	−·037	29·672	29·701	3rd & 30th.	29·429	24th	·275	80·6	86·0	−0·6	76·4	−0·8	81·2	−0·7	9·6	93·3	3rd	72·9	29th
	Goa	199	?	?	?	?	?	?	?	?	78·4	83·0	−2·2	76·2	−1·6	79·6	−1·9	6·8	90·1	2nd	73·1	30th
	Mormugao	*60*	29·707	−·028	29·702	29·790	30th	29·532	24th	·258	80·1	85·5	−1·5	75·6	−2·3	80·6	−1·9	9·9	92·0	2nd & 6th	72·7	22nd & 30th.
	Karwar	44	29·751	−·015	29·729	29·837	30th	29·598	24th	·239	78·4	84·4	−0·9	71·7	−1·4	79·5	−1·1	9·7	91·3	1st & 2nd	71·0	23rd
27	Malegaon	1,430	28·253	−·022	29·628	28·410	2nd	28·065	24th	·345	80·5	94·2	−0·7	74·0	−1·0	84·0	−0·9	20·2	102·9	2nd, 3rd & 4th.	69·1	4th, 5th & 6th.
	Ahmednagar	2,154	27·595?	+·002?	29·680?	27·735	2nd	27·411	24th	·324	78·1	90·5	+0·1	71·7	−0·6	81·1	−0·3	18·8	101·4	2nd	67·5	1st
	Poona	1,846	27·883	−·022	29·669	28·013	2nd	27·696	24th	·317	77·9	89·4	+0·2	73·2	+0·6	81·3	+0·4	16·2	98·0	2nd, 3rd & 20th.	70·8	12th
	Sholapur	1,590	28·129	−·036	29·663	28·252	2nd	27·954	24th	·298	79·0	94·1	−0·7	74·7	+1·5	84·4	+0·4	19·4	102·8	1st	70·9	23rd, 24th & 30th.
	Bijapur	*1,948*	27·795	−·017	29·683	27·909	2nd	27·615	24th	·294	76·8	91·1	+0·6	72·3	+0·1	81·7	+0·3	18·8	100·2	1st	69·2	29th
	Belgaum	2,539	27·231	−·023	29·702	27·325	2nd	27·069	24th	·256	72·6	81·4	+0·6	67·7	−0·4	74·6	+0·1	13·7	93·3	1st	65·0	22nd, 23rd & 30th.
	X.—Central India.																					
21	Neemuch	1,624	28·024	−·001	29·596	28·146	2nd	27·897	25th	·249	80·0	94·7	−3·6	72·4	−4·9	83·6	−4·3	22·3	103·0	2nd & 4th	60·8	30th
	Indore	1,823	27·838	−·008	29·604	27·975	2nd	27·684	25th	·291	78·7	91·8	−2·6	74·6	−0·7	83·2	−1·7	17·2	102·1	3rd	70·1	23rd
22	Nowgong	754	28·815	−·014	29·519	28·911	2nd	28·747	24th	·164	84·2	98·0	−3·6	80·5	−1·9	89·3	−2·7	17·5	108·5	5th	74·5	1st & 16th.
	Sutna	1,040	28·540	+·001	29·528	28·637	2nd	28·462	25th	·175	85·8	95·8	−1·9	81·1	0	88·9	−0·9	15·7	107·0	5th	73·7	1st & 2nd
	XI.—Central Provinces.																					
23	Buldana	2,132	27·576		29·640	27·719	2nd	27·390	25th	·329	78·0	90·3		72·9		81·6		17·4	99·7	4th	71·0	5 days
	Akola	930	28·736	−·009	29·614	28·871	2nd	28·564	24th	·307	81·9	96·6	−1·6	76·7	−1·0	86·7	−1·3	19·9	107·2	4th	73·1	22nd & 30th.
	Amraoti	1,215	28·440	−·013	29·598	28·563	2nd	28·260	25th	·303	81·5	95·7	−1·5	76·5	−0·3	86·1	−0·9	19·2	106·8	4th	71·8	22nd, 29th & 30th.
24	Khandwa	1,044	28·612	−·009	29·609	28·744	2nd	28·448	25th	·296	81·2	95·7	−1·9	77·8	−0·9	86·7	−1·4	17·9	106·2	3rd & 4th	72·1	11th
	Hoshangabad	1,066	28·682	−·009	29·589	28·752	2nd	28·484	24th	·268	83·5	96·8	−1·3	77·5	−1·5	87·2	−1·4	19·3	109·1	4th	71·9	11th
	Saugor	1,807	27·819	−·005	29·556	27·931	2nd	27·704	25th	·227	82·2	95·4	−2·4	76·7	−0·9	86·0	−1·7	18·7	102·6	4th	70·5	1st
	Jubbulpore	1,327	28·295	+·008	29·568	28·401	2nd	28·166	25th	·235	82·1	95·1	−1·8	77·4	−1·0	86·3	−1·4	17·7	105·3	4th	68·3	14th
	Seoni	2,033	27·635	+·011	29·596	27·757	2nd	27·482	25th	·275	79·6	91·6	−2·6	73·1	−2·4	82·3	−2·5	18·5	104·0	4th	68·5	11th
	Nagpur	1,017	28·630	+·005	29·595	28·748	2nd	28·468	25th	·280	81·8	95·3	−3·0	76·6	−1·8	86·0	−2·4	18·6	107·6	4th	71·3	22nd
25	Pendra	2,123?	27·603		29·552	27·701	7th	27·505	25th	·196	80·9	91·0		75·2		83·1		15·8	103·3	5th	70·2	1st
	Raipur	970	28·662	+·011	29·576	28·768	7th	28·510	24th	·258	81·9	95·2	−2·0	77·6	−0·8	86·4	−1·4	17·6	109·7	4th	72·6	15th
	Chanda	*634*	29·024	−·001	29·599	29·106	2nd	28·863	25th	·243	83·2	96·4	−2·1	78·5	−1·1	87·4	−1·6	17·9	109·5	2nd	73·5	29th
	Jagdalpur		27·864		29·596	27·957	2nd	27·693	24th	·264	81·2	90·8		75·5		83·1		15·3	106·2	2nd	70·6	29th
	XII.—Hyderabad.																					
28	Aurangabad	1,905	27·820	−·039	29·662	27·941	2nd	27·639	24th	·302	78·5	91·9	−2·9	73·1	+0·1	82·5	−1·4	18·8	101·2	1st & 2nd.	69·2	23rd
	Nizamabad	1,248	28·429	−·057?	29·621	28·518	3rd	28·271	24th	·247	81·1	96·9	−0·1	77·7	+0·6	87·3	+0·3	19·2	107·9	1st	70·7	29th

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

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

—*continued.*

India, etc., in June, 1910—continued.

Wind direction. Number of winds from N. (26)	N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction. (34)	Normal direction. (35)	Wind velocity. Mean velocity, miles per hour. (36)	Normal. (37)	Departure from normal. (38)	Wind steadiness. Actual percentage. (39)	Departure from normal. (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal. (42)	Mean vapour tension at 8 hrs. in inches of mercury. (43)	Departure from normal in inches of mercury. (44)	Cloud. Mean cloud amount at 8 hrs. (45)	Departure from normal. (46)	Rainfall. Number of rainy days. (47)	Normal number of rainy days. (48)	Departure from normal. (49)	Rainfall of month. (50)	Normal rainfall of month. (51)	Departure from normal. (52)	Total rainfall from 1st May to 30th June, 1910. (53)	Normal rainfall for period, 1st May to 30th June. (54)	Departure from normal of period, 1st May to 30th June, 1910. (55)	Heaviest rainfall during month. (56)	Station. (57)
																															IX.—Bombay—*concld.*
		1	1	5	12	5	6	S 58° W		13·5			63		80		·972		4·2		13			9·29			9·29			2·60	Jamnagar.
		1		7	11	6	5	S 56° W		13·5			62		81		·992		5·9		7			2·92			2·92			0·88	Dwarka.
1		1		4	14	6	2	S 55° W	S 81° W	11·5	14·1	−2·6	62	−12	86	+12	·949	+·074	6·6	+1·0	13	5·30	+7·70	10·32	5·12	+5·20	10·32	5·84	+4·98	3·37	Rajkot.
1	1	1	4	3	6	9	1	S 51° W	S 69° W	14·9	11·4	+3·5	40	−29	87	+ 3	·995	+·031	8·2	+1·3	11	4·60	+6·40	7·21	5·23	+1·98	7·21	5·25	+1·96	2·27	Veraval.
2		1	1	1	20		4	S 54° W	S 48° W	7·6	15·8	−8·2	63	−17	82	+ 6	·974	+·021	7·1	+1·0	14	5·70	+8·30	7·11	5·02	+2·09	7·11	5·12	+1·99	1·85	Bhavnagar
1		1	4	11	6	3	1	S 14° W	S 49° W	7·4	13·2	−5·8	56	−14	83	+ 4	·907	−·011	8·4	+1·5	16	8·70	+7·30	14·27	9·62	+4·65	14·27	9·75	+4·52	2·95	Para. Surat.
	2	1	8	10	6	1	2	S 5° E	S 61° W	5·7	7·7	−2·0	56	− 3	78	+ 6	·891	+·015	7·2	+1·0	8	4·80	+3·20	7·00	6·76	+0·24	7·00	6·77	+0·23	2·20	Ahmedabad.
		2	7	9	9	3		S 7° W	S 58° W	12·5*	15·2	−2·7	66	+12	85	+ 2	·935	+·006	8·0	+0·1	18	14·70	+3·30	23·50	19·63	+3·87	23·53	20·34	+3·19	11·97	Bombay.
		4	8	3	10	3		S 1° W	S 60° W	11·7	10·2	+1·5	52	+21	85	+ 2	·886	−·015	7·1	−0·5	25	20·50	+4·50	34·35	30·20	+4·15	34·37	31·65	+2·72	3·55	Ratnagiri.
	3	5		6	10	4	2	S 30° W	S 66° W	10·3‡	9·2	+1·1	33	−15	91	+ 6	·876	−·034	9·6	+1·5	29			43·40	28·72	+4·68	44·38	31·05	+13·33	7·00	Goa.
		5	2	4	6	12		S 46° W	N 76° W	10·1*	10·9	−0·8	46	− 3	91	+ 6	·931	−·004	9·1	+2·3	28			45·41	23·63	+21·78	45·94	26·20	+19·74	5·90	Mormugao.
2	4		3	2	14		1	S 34° W	S 82° W	6·9	6·0	+0·9	33	−19	88	+ 5	·855	−·012	7·8	−0·2	28	23·30	+4·70	58·54	35·98	+22·56	58·61	39·26	+19·35	8·27	Karwar.
		1	2	1	8	13	3	S 73° W	S 81° W	9·3	11·0	−4·7	62	−11	78	+ 7	·801	+·044	5·4	−0·8	12	7·70	+4·30	10·32	4·44	+5·88	10·32	5·17	+5·15	1·74	Malegaon.
2			1	3	10	10		S 65° W	N 88° W	10·2*	16·2	−6·0	62	+ 7	71	− 7	·675	−·060	2·8	−3·7	14	7·40	+6·60	9·05	5·14	+3·91	9·30	6·02	+3·28	2·70	Ahmednagar.
				1	14	14	1	S 67° W	S 82° W	10·8	16·3	−5·5	89	+ 8	74	+ 1	·700	−·006	7·5	+0·2	12	8·50	+3·50	7·97	4·73	+3·24	8·06	6·06	+2·00	2·10	Poona.
			1		17	7	3	S 63° W	S 81° W	11·0	13·7	−2·7	72	− 5	70	+ 4	·690	+·020	6·9	+0·2	8	6·20	+1·80	4·55	4·36	+0·19	4·55	5·36	−0·81	0·99	Sholapur.
				7	17	5	1	S 44° W	S 78° W	13·6	9·7	+3·9	82	+ 3	73	− 4	·670	−·051	7·0	0	6	6·20	−0·20	2·96	3·55	−0·59	3·82	5·34	−1·52	1·44	Bijapur.
				2	15	12	1	S 63° W	S 75° W	21·0*†	22·9	−1·9	82	+12	85	− 2	·676	−·019	8·9	+0·7	9	14·00	−5·00	8·14	8·44	−0·30	9·12	10·93	−1·81	1·50	Belgaum.
																															X.—Central India.
1	1	1			2	23	1	N 88° W	S 81° W	9·6	13·5	−3·9	76	+ 2	78	+ 8	·789	+·006	5·6	+1·2	8	6·20	+1·80	7·11	4·95	+2·16	7·21	5·40	+1·81	1·91	Neemuch.
1			2		1	14	6	N 83° W	S 87° W	6·6	7·0	−0·4	59	−15	79	+ 7	·773	+·015	7·2	+1·2	15	7·60	+7·40	9·53	6·35	+3·18	9·55	6·94	+2·61	2·50	Indore.
	2	3	2		4	15	1	S 80° W	S 86° W	4·5	4·7	−0·2	43	− 5	75	+14	·863	+·107	4·6	−0·1	9	7·30	+1·70	5·29	8·15	−2·86	6·12	8·48	−2·36	1·29	Nowgong.
1	1	4	1	1	7	10	3	S 77° W	S 84° W	5·8	9·7	−3·9	40	+11	66	+ 6	·780	+·066	9·0	+1·4	6	7·20	−1·20	7·86	7·32	+0·54	9·12	7·70	+1·42	4·88	Sutna.
																															XI.—Central Provinces.
1			1	3	7	13	4	S 76° W		6·6	10·9	−4·3	67		74		·697		6·8		17			9·91	6·64	+3·27	10·63	7·22	+3·41	2·04	Buldana.
			2	5	14	8		W	N 81° W	7·0	9·8	−2·8	77	+ 4	69	+ 1	·745	−·013	7·4	+1·2	13	8·10	+4·90	8·69	5·20	+3·49	9·05	5·63	+3·42	2·56	Akola.
1	1	2			3	14	6	N 78° W	S 87° W	10·4	8·9	+1·5	59	−19	71	0	·751	−·003	8·8†	+2·8	10	9·00	+1·00	8·29	6·82	+1·47	8·29	7·45	+0·84	3·19	Amraoti.
1	2		2		2	20	3	N 85° W	N 87° W	9·6	10·3	−0·7	69	−13	72	+ 4	·769	+·020	5·9	+0·4	9	7·50	+1·50	7·43	5·81	+1·62	7·43	6·16	+1·27	2·36	Khandwa.
					4	13	1	S 83° W	S 82° W	4·8	5·1	−0·3	56	−15	73	+ 2	·820	+·012	7·1	+1·1	14	8·20	+5·80	9·37	6·78	+2·59	9·37	7·33	+2·04	2·46	Hoshangabad.
1	1	3	1	1	5	16	1	S 80° W	S 80° W	7·6	6·5	+1·1	53	−14	69	+ 4	·739	+·032	7·3	+2·3	11	8·90	+2·10	4·59	8·79	−4·20	4·63	9·29	−4·66	1·46	Saugor.
1	1	1	2	3	6	7	4	S 65° W	S 70° W	3·3	5·1	−1·8	40	−19	73	+ 8	·776	+·054	6·8	+1·6	11	10·40	+0·60	7·68	9·50	−1·82	7·68	10·05	−2·37	1·50	Jubbulpore.
	2		1	1	8	10	8	S 89° W	S 86° W	5·2	5·8	−0·6	64	+ 8	76	+ 9	·748	+·042	5·8	+0·7	12	12·30	−0·30	13·27	9·95	+3·32	13·40	10·63	+2·77	2·53	Seoni.
	2		3	6	8	8	1	S 49° W	S 87° W	4·9	9·0	−4·1	49	−10	73	+ 9	·775	+·023	6·4	−0·2	16	9·70	+6·30	16·20	8·52	+7·68	17·59	9·24	+8·35	5·11	Nagpur.
1	1	1	5	6	4	2	5	S 24° W		5·0			27		71		·738		5·8		15			7·98			8·97			1·20	Pendra.
			2	5	19	3		S 37° W	S 56° W	7·1	9·7	−2·6	82	+ 6	73	+ 5	·771	+·009	8·3	+1·9	14	10·40	+3·60	8·22	8·88	−0·56	9·01	9·82	−0·81	2·20	Raipur.
			1	1	5	10	6	N 87° W	S 61° W	7·4	6·2	+1·2	56	− 9	72	+ 8	·796	+·055	7·2	+0·6	11	9·40	+1·60	9·90	7·68	+2·22	10·26	8·42	+1·84	2·65	Chanda.
			5	4	13	5	3	S 41° W					66		75		·779		7·3		13			9·89			12·10			2·07	Jagdalpur.
																															XII.—Hyderabad.
			1	6	13	8		N 87° W		14·4			76		73	+ 4	·707		7·9		10	8·10	+1·90	5·76	5·04	+0·72	6·08	5·69	+0·39	1·40	Aurangabad.
				20	5			S 56° W		8·8			76		69	0	·715		6·4		9	8·90	+0·10	10·08	4·60	+5·48	10·40	4·93	+5·47	3·21	Nizamabad.

ne, the elevations of which exceed 3,200 feet. * Uncorrected for scale error. † Mean of 29 days. ‡ " 27 " § Mean of 28 days.

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

Number of subdivision.	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.
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*	27·540		29·631	27·623	11th	27·360	24th	·263	77·9	91·4		68·8		80·1		22·6	104·5	3rd	64·5	23rd, 29th & 30th
29	Gulbarga	1,503	28·227	−·022	29·675	28·339	2nd	28·055	24th	·284	79·1	94·5	−0·2	73·7	0	84·1	−0·1	20·8	105·0	2nd	54·8	23th
	Raichur	*1,311*	28·430	−·009	29·685	28·532	2nd	28·265	24th	·267	80·1	95·4	+0·7	75·3	+0·5	85·4	+0·6	20·1	104·6	2nd	58·6	27th
	Hyderabad (Deccan)	1,690	28·025	−·013	29·653	28·126	2nd	27·869	24th	·257	79·5	93·9	−0·4	76·4	+2·0	85·2	+0·8	17·5	105·8	2nd	70·7	29th
	Hanumkonda	871	28·804	−·022	29·613	28·885	8th	28·652	24th	·233	83·2	95·8	−2·3	79·0	−0·8	87·4	−1·5	16·8	110·0	2nd	73·2	29th
	XIII.—Mysore.																					
30	Chitaldroog	2,405	27·388	−·018	29·726	27·466	2nd	27·245	24th	·221	73·8	86·1	+0·3	69·5	−0·1	77·8	+0·1	16·6	94·1	1st	66·9	30th
	Hassan	3,149	26·721	−·003	29·780	26·797	2nd	26·583	24th	·214	70·4	80·0	+0·5	65·9	−0·2	73·0	+0·1	14·1	86·4	1st	63·8	9th
	Bangalore	3,021	26·835	−·015	29·768	26·912	2nd	26·703	24th	·209	71·4	85·1	+0·4	67·2	+0·4	76·2	+0·4	17·9	93·3	1st	64·8	24th
	Mysore	2,518	27·332	−·015	29·785	27·410	30th	27·203	24th	·207	73·0	83·7	−0·9	67·7	−0·5	75·7	−0·7	16·0	91·0	1st	65·5	9th
	XIV.—Madras.																					
31	Mangalore	65	29·757	−·026	29·755	29·846	30th	29·633	24th & 25th.	·213	77·9	83·9	−1·8	70·8	−2·7	77·3	−2·3	13·1	90·3	1st	68·3	23rd & 29th.
	Calicut	27	29·818	−·020	29·775	29·899	6th	29·715	24th & 25th.	·184	76·9	82·9	−1·7	74·4†	−0·3†	78·7†	−1·0	8·5	89·3	1st	72·1	26th
	Cochin	9	29·862	−·010	29·799	29·935	30th	29·783	24th	·152	78·1	85·0	0	73·9	−0·8	79·4	−0·4	11·1	90·7	3rd	71·2	25th
	Trivandrum	198	29·661	−·013	29·791	29·748	30th	29·605	25th	·143	77·6	83·4	+0·5	75·2	+1·6	79·3	+1·1	8·2	89·0	3rd	72·0	12th
32	Tinnevelly	168	29·638	−·017	29·734	29·758	7th	29·555	24th	·203	86·8	97·0	−0·1	80·1	+0·5	88·5	+0·2	16·9	106·2	1st	74·9	7th
	Pamban	37	29·749	−·029	29·713	29·845	30th	29·670	24th	·175	84·5	91·3	+1·6	79·6	−0·7	85·5	+0·5	11·7	93·7	6 h	76·5	24th
	Madura	447	29·349	−·007	29·728	29·460	30th	29·238	24th	·222	83·9	95·8	−2·4	76·8	−0·3	86·3	−1·3	19·0	102·9	2nd	72·6	29th
	Pudukkottai	318	29·466		29·714	29·562	30th	29·356	24th	·206	84·5	97·8		78·7		88·3		19·1	103·4	4th	71·5	6th
	Negapatam	31	29·735	−·032	29·695	29·839	30th	29·649	24th	·190	85·2	98·3	+1·2	79·9	+0·7	89·1	+0·9	18·4	106·0	4th	74·5	7th
	Trichinopoly	255	29·529	−·022	29·714	29·627	30th	29·419	24th	·208	84·5	97·3	−1·7	78·7	+0·3	88·0	−0·7	18·6	104·1	4th	74·3	6th
	Coimbatore	1,341	28·458	−·024	29·748	28·548	30th	28·351	25th	·197	76·9	90·5	+0·6	71·5	−0·1	81·0	+0·3	19·0	98·9	1st	68·8	26th
	Salem	940	28·881	−·019	29·762	28·964	30th	28·774	24th	·190	79·9	94·0	−1·2	75·1	+0·9	84·5	−0·1	18·9	101·0	1st	70·4	8th
	Cuddalore	37	29·719	−·021	29·685	29·832	30th	29·614	24th	·218	84·8	97·7	−0·5	80·0	+0·6	88·8	+0·1	17·7	105·8	10th	74·7	15th
	Vellore	707	29·039		29·681	29·137	30th	28·923	24th	·214	83·1	95·4		78·5		87·0		16·9	104·7	1st, 3rd & 4th.	74·5	10th
	Madras	22	29·717	−·029	29·669	29·823	30th	29·613	24th	·210	85·6	97·5	−1·0	80·8	+0·1	89·1	−0·5	16·7	104·5	1st, 5th & 6th.	73·0	23rd
33	Cuddapah	433	29·316	−·016	29·683	29·498	30th	29·172	24th	·236	85·5	100·2	−0·1	80·1	−0·5	90·1	−0·3	20·1	109·2	1st	75·1	21st
	Bellary	1,475	28·278	−·021	29·693	28·363	2nd	28·125	24th	·238	80·4	94·4	−0·1	76·1	+0·4	85·2	+0·1	18·3	103·0	1st	71·3	29th
	Kurnool	923	28·811	−·021	29·674	28·909	2nd	28·655	25th	·254	81·5	96·5	−0·2	77·7	+0·8	87·1	+0·3	18·8	106·2	2nd	72·6	29th
34	Nellore	66	29·646	−·017	29·643	29·750	30th	29·526	24th	·224	87·3	99·9	−1·9	82·5	+0·3	91·2	−0·8	17·4	108·1	2nd	75·1	23rd
	Masulipatam	15	29·682	−·009	29·631	29·766	2nd	29·542	24th	·224	85·1	96·7	−1·0	79·8	−0·4	88·3	−0·7	16·9	106·8	5th	72·7	28th
	Cocanada	26	29·659	−·007	29·621	29·741	2nd	29·509	24th	·232	82·6	94·1	−1·1	80·1	−0·9	87·1	−1·0	14·0	105·7	4th	74·5	29th
	Waltair (Vizag.)	*926*	29·438	+·009	29·603	29·535	2nd	29·254	24th	·281	83·1	88·7		79·0		83·9		9·7	96·6	4th	74·4	28th
	Calingapatam	19	29·631		29·589	29·733	2nd	29·431	24th	·302	85·2	92·7		81·1		86·9		11·6	95·9	21st	77·0	24th
	Gopalpur	72	29·561	+·006	29·574	29·662	7th	29·358	24th	·304	83·4	89·4	+0·2	79·9	−0·7	84·7	−0·3	9·5	93·2	5th & 21st	75·5	24th

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.

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dia, etc., in June, 1910—continued.

Wind direction.								Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.										
of winds from																													
E.	SE.	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 June, 1910.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June, 910.	Heaviest rainfall during month.	Station.
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— *contd.*
			15	13	2	S 70° W		9·8			87		70		·661		7·9		10	7·80	+ 2·20	7·48	5·74	+ 1·74	9·96	6·74	+ 3·22	1·45	Bidar.
			15	9	6	S 75° W	S 86° W	11·5	14·1	−2·6	82	+15	70	− 6	·693	−·048	5·5	−0·8	10	7·40	+ 2·60	4·85	5·71	− 0·86	4·91	6·87	− 1·96	1·55	Gulbarga.
			12	12	5	S 80° W	S 74° W	14·1	14·0	+0·1	79	+ 4	66	− 4	·681	−·037	7·5	+1·1	3	6·20	− 3·20	2·22	3·12	− 0·90	2·71	3·84	− 1·13	1·62	Raichur.
				25	2	N 87° W	N 87° W	7·0	9·1	−2·1	86	+ 2	66	− 5	·649	−·064	7·8	+1·6	7			6·18	4·37	+ 1·81	6·64	5·36	+ 1·28	2·35	Hyderabad (Deccan).
		1	10	12	5	S 79° W		8·6†			76		65	+ 5	·722		8·2		10	6·70	+ 3·30	9·22	5·86	+ 3·36	9·62	6·47	+ 3·15	2·40	Hanumkonda
																													XIII.—Mysore.
			13	15	2	S 73° W	S 68° W	10·1	11·1	−1·0	89	+ 3	82	0	·675	0	7·8	−0·8	7	6·00	+ 1·00	2·49	3·80	− 1·31	4·19	7·54	− 3·35	0·75	Chitaldroog.
			14	14	1	S 62° W	S 83° W	11·9	5·6	+6·9	55	−28	86	+ 3	·635	−·005	7·1	−1·6	9	10·40	− 1·40	2·92	5·01	− 2·09	9·38	10·18	− 0·80	0·50	Hassan.
			17	13		S 64° W	S 70° W	11·4	9·3	+2·1	89	0	80	− 1	·619	−·021	8·1	+1·2	6	5·70	+ 0·30	2·27	3·05	− 0·78	3·44	7·27	− 3·83	0·84	Bangalore.
			17	13		S 64° W	S 62° W	13·1	14·6	−1·5	89	+ 8	80	0	·652	−·005	8·9	+0·8	4	6·00	− 2·00	1·92	3·81	− 1·89	6·64	7·18	− 0·54	0·75	Mysore.
																													XIV.—Madras.
10	1	2	5	4	1	S 40° E	S 83° W	6·0*	3·3	+2·7	27	+16	88	− 1	·855	−·018	8·9	+0·1	28	24·60	+ 3·40	43·16	36·22	+ 6·94	44·00	42·88	+ 1·12	5·60	Mangalore.
5	6	1	2	3	1	S 57° E	N 22° E	4·9	9·7	−4·8	27	+16	93	+ 5	·858	0	9·1	+1·0	27	24·30	+ 2·70	32·88	35·61	− 2·93	37·94	43·39	− 5·45	3·79	Calicut.
6			1	3	2	N 43° E	N 9° W	5·9*	6·1	−0·2	46	+24	84	− 3	·801	−·061	8·6	+1·0	27	24·26	+ 2·80	29·29	28·99	+ 0·30	39·03	41·38	− 2·35	2·77	Cochin.
					15	N 21° W	N 16° W	7·6*	7·0	+0·6	82	+15	84	− 3	·801	−·039	8·6	+0·5	13	16·50	− 3·50	10·11	18·45	− 2·34	13·29	21·50	− 8·21	2·01	Trivandrum.
1			4	14	9	N 76° W	N 73° W	9·7	7·8	+1·9	73	+ 5	53	− 9	·678	−·081	7·0	+0·5	0	1·20	− 1·20	0·07	0·56	− 0·49	0·10	1·93	− 1·83	0·06	Tinnevelly.
		5	11	6	2	S 53° W	S 39° W	12·9	13·4	−0·5	59	−19	76	− 3	·902		4·3		1	0·50	+ 0·50	0·13	0·12	+ 0·01	0·13	0·67	− 0·54	0·10	Pamban.
				14	15	N 64° W	N 73° W	8·2	4·1	+4·1	89	+29	66	+ 2	·762	−·001	7·8	+2·4	4	2·50	+ 1·50	2·52	1·25	+ 1·27	5·15	3·90	+ 1·25	0·95	Madura.
		1		10	13	N 62° W		10·1			70		66		·782		6·2		3			1·71			3·71			0·75	Pudukkottai.
			1	27	2	N 89° W	S 61° W	8·6	8·4	+0·2	93	+15	63	− 1	·780	−·010	5·8	+1·0	1	3·20	− 2·20	0·50	1·50	− 1·00	0·50	3·11	− 2·61	0·42	Negapatam.
		1	10	17	1	S 75° W	S 80° W	8·6*	9·2	−0·6	82	− 3	58	− 5	·679	−·053	5·7	−0·3	1	1·90	− 0·90	0·23	1·50	− 1·27	4·85	4·44	+ 0·41	0·17	Trichinopoly.
			27			S 45° W	S 45° W	8·2	7·0	+1·2	89	+11	88	+ 7	·818	+·054	5·7	−0·2	4	4·90	− 0·90	0·72	1·65	− 0·93	1·24	3·93	− 2·69	0·16	Coimbatore.
		5	7	13	2	S 66° W	S 32° W	5·7	5·0	+0·7	69	0	82	+ 8	·845	+·064	7·1	+1·1	4	4·80	− 0·80	2·50	2·97	− 0·47	5·60	7·98	− 2·38	1·51	Salem.
		2	16	8		S 55° W	S 62° W	7·7	2·9	+4·8	76	+ 6	73	+ 1	·872	−·010?	6·7	+1·3	2	3·10	− 1·10	1·68	2·00	− 0·32	1·68	2·28	− 0·60	1·48	Cuddalore.
6	10	1	3	3	3	S 53° E		4·2			33		65		·732		6·8		6	4·60	+ 1·40	6·09	2·62	+ 3·47	6·85	5·61	+ 1·21	2·95	Vellore.
	1	2	7	17	3	S 76° W	S 66° W	7·8*	8·8	−1·0	79	+ 5	65	+ 2	·781	−·017	7·9	+1·7	5	8·10	− 3·10	1·70	2·21	− 0·51	1·71	3·11	− 1·40	0·72	Madras.
				16	14	N 69° W	N 87° W				92	+14	62	+ 1	·754	−·004	7·8	+1·4	5	4·60	+ 0·40	1·93	3·35	− 1·42	2·15	5·15	− 2·70	0·67	Cuddapah.
			8	16	4	S 86° W	S 84° W	8·7	10·6	−1·9	79	+ 5	60	− 1	·616	−·024	7·3	−0·3	1	4·20	− 3·20	0·31	1·78	− 1·47	3·36	3·76	− 0·40	0·13	Bellary.
		2	12	8	8	S 78° W	S 89° W	11·4*			72	+ 9	69	+ 3	·730	+·004	6·7	+0·3	5	5·90	− 0·90	3·20	3·36	− 0·16	4·30	4·31	− 0·01	2·14	Kurnool.
		5	5	10	8	S 87° W	N 73° W	7·8*	9·6	−1·8	62	− 1	63	+ 1	·851	+·029	8·3	+1·7	6	3·00	+ 3·00	1·26	1·20	+ 0·06	1·26	1·59	− 0·33	0·38	Nellore.
		2	3	15	9	N 82° W	N 80° W	9·1	9·5	−0·4	76	+13	84	+ 7	·999	+·049	7·9	+1·3	10	6·00	+ 4·00	7·60	4·83	+ 2·77	8·02	6·10	+ 1·92	2·00	Masulipatam.
		1	11	7	2	S 65° W	S 63° W	6·9	8·8	−1·9	56	−19	88	+16	·978	+·112	8·5	+1·5	12	6·20	+ 5·80	5·90	4·76	+ 1·14	6·26	5·69	+ 0·57	1·31	Cocanada.
	1	1	22	6		S 51° W	S 73° W	10·6			89	+15	75	+ 1	·848	−·041	8·3	+0·9	7	5·70	+ 1·30	6·24	3·83	+ 2·41	6·86	6·30	+ 0·56	2·00	Waltair (Vizag.).
1	1	3	12	9	2	S 62° W		8·4			63		77		·926		7·2		2			3·59			4·65			2·89	Calingapatam.
2	1	2	7	9		3	S 30° W	S 39° W	12·4	15·1	−2·7	33	−41	86	+ 2	·972	+·009	6·4	−0·8	10	7·10	+2·90	11·50	6·14	+ 5·36	13·63	8·24	+ 5·39	4·08	Gopalpur.

* Uncorrected for scale error.

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

Number of subdivision.	Station.	Elevation of bar-ister 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
	Bay Islands.																					
1	P. V. Fraser	8	29·673		29·599	29·792	7th	29·532	24th	·260	81·1											
	Port Blair	58	29·754	—·007	29·742	29·827	29th	29·674	25th	·153	85·3	85·5	—0·5	77·0	—0·8	81·2	—0·7	8·5	89·2	1st & 6th.	73·0	28th
	Slipper Island	90	29·688		29·712	29·748	8th	29·571	24th	·174	82·1	86·1		78·2		82·1		7·9	89·1	4 days	75·1	22nd 27th
	Kashmir.																					
14	Muzaffarabad	2,475	27·234		29·655	27·342	16th	27·134	14th	·208	80·3	86·7		77·7		82·2		9·0	93·9	14th	71·1	19th
	Srinagar	5,204	24·749	+·018	24·720	24·837	19th	24·638	15th	·199	66·1	81·8	—1·3	58·9	+0·1	70·4	—0·6	22·9	91·1	15th	51·1	19th
	Gulmarg	*8,569*	21·805	—·001	21·773	21·860	7th	21·722	30th	·138	58·9	67·3	+1·2	44·9	+1·8	56·1	+1·5	22·4	78·7	15th	35·8	19th
	Sonemarg	*8,764*	21·788		21·756	21·854	8th	21·713	30th	·141	48·9	70·3		43·2		56·8		27·1	81·4	14th	36·1	6th
	Dras	*10,059*	20·742	—·018	20·710	20·839	8th	20·640	17th	·199	53·7	72·1	—2·0	40·0	—1·0	56·1	—1·5	32·1	82·9	28th	33·0	20th
	Leh	11,503	19·682	+·002	19·650	19·782	7th	19·569	18th	·213	55·0	73·1	0	45·2	+0·6	59·1	+0·3	27·9	81·1	15th	37·5	6th
	Skardu	*7,505*	22·755	—·023	22·725	22·877	7th	22·624	30th	·253	66·0	81·8	+3·2	55·6	+0·7	68·7	+1·9	26·2	92·4	28th	47·1	6th
	Minimarg	*9,359*																				
	Astor	*7,955*							Observations not available.													
	Gilgit	4,890	24·915		24·918	25·074	10th	24·794	29th	·280	75·9	92·8	—1·8	65·1	—4·9	78·9	—3·3	27·7	102·7	27th	57·2	19th
	Baluchistan.																					
16	Quetta	5,502	24·489	+·009	24·419	24·568	2nd	24·398	30th	·170	77·1	93·1	+2·5	57·8	—1·3	75·4	+0·6	35·3	97·6	26th	46·5	19th
	Chaman	4,311	25·485	—·003	25·447	25·593	2nd	25·400	30th	·193	86·3	98·7	—1·0	71·0	—1·9	84·9	—1·5	27·7	104·3	13th	62·2	18th
	Robat		26·687		26·645	26·813	2nd	26·545	24th	·268	87·7	103·5		77·5		90·5		26·0	111·0	22nd	70·0	18th
	Hill Stations excluding Kashmir and Baluchistan.																					
	Chitral	*5,486*									75·0	91·7		60·3		76·0		31·4	99·2	14th	53·3	7th
	Para Chinar	6,000	21·300		24·267	24·369	26th	24·179	14th	·190	75·5	87·0		64·2		75·6		22·8	96·3	14th	53·8	17th
	Cherat	*4,256*	25·526	+·018	25·494	25·591	19th	25·440	15th	·151	78·7	91·1	—3·2	71·6	—1·5	81·3	—2·3	19·5	101·7	15th	59·5	3rd
	Murree	8,333	23·731	—·001	23·699	23·813	26th	23·363	18th	·150	69·2	80·5	—1·2	64·5	0	72·5	—0·6	16·0	91·6	15th	50·7	3rd
	Simla	7,232	23·031	+·033	22·993	23·090	7th	22·976	17th & 30th	·114	64·3	72·3	—2·1	60·8	—0·2	66·5	—1·1	11·5	80·4	10th	53·2	1st
	Sarain		23·051		23·013	23·129	4th	22·991	15th	·138	62·8	74·0		56·4		65·2		17·6	81·0	10th	50·6	19th
	Kalabagh		20·084		20·043	20·136	26th	20·023	24th	·113	49·4	56·4		46·7		51·5		9·7	60·7	10th	40·1	23rd
	Chakrata	7,023	23·205	+·033	23·165	23·268	27th	23·139	5th	·129	64·3	71·5	—2·8	59·7	—0·3	65·6	—1·5	11·8	80·8	10th	55·2	2nd
	Muktesar	7,592	22·747	—·006	22·706	22·798	7th	22·681	15th	·117	61·7	71·0	—5·0	56·4	—1·8	63·7	—3·4	14·6	81·0	10th	51·0	25th
	Darjiling	7,376	22·913	—·009	22·871	22·961	27th	22·849	5th	·112	60·8	65·4	+0·2	56·6	+0·4	61·0	+0·3	8·8	70·3	27th	54·2	10th
	Shillong	4,920	25·006		24·958	25·061	28th	24·934	4th	·127	67·5	73·4		63·1		68·3		10·3	76·9	30th	59·7	3rd &4th
	Cherra Poonjee	4,309	25·555		25·506	25·611	28th	25·473	4th	·138	66·3	70·9		61·4		66·2		9·5	78·2	25th	53·1	4th & 5th
	Maymyo	3,545	26·331	+·021	26·276	26·381	13th	26·239	4th	·142	69·8	77·4	—1·2	67·0	+1·4	72·2	+0·1	10·4	81·0	26th	65·1	7th
	Pachmarhi	3,528	26·262	+·008	26·209	26·391	2nd	26·114	25th	·277	75·5	85·6	—0·3	70·8	—1·2	78·2	—0·7	14·8	96·0	4th	66·1	11th
	Mount Abu	3,945	25·850	—·010	25·800	25·952	3rd	25·745	26th	·207	72·9	81·2	—2·1	68·5	+0·4	74·9	—0·9	12·7	88·7	25th	63·4	17th
	Mercara	3,781	26·146	—·012	26·079	26·226	30th	26·033	25th	·188	65·6	71·3	—1·6	62·8	—0·5	67·1	—1·1	8·5	82·0	1st	60·0	28th
	Ootacamund	*7,327*	22·982		22·918	23·049	2nd	22·854	24th	·195	57·8	64·0		52·4		58·2		11·6	72·0	1sr	49·7	3rd
	Kodaikanal	7,638	22·746	—·045	22·681	22·811	3rd	22·623	24th	·188	58·0	63·4	—1·9	53·6	—0·2	58·5	—1·1	9·8	70·0	4th	51·0	30th

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 elevation for which exceed 3,200 feet.

ntinued.

lia, etc., in June, 1910—continued.

Wind direction.								Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.										
of winds from																													
	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 June, 1910.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June, 1910.	Heaviest rainfall during month.	Station.
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
																													Bay Islands.
	4	13	8	3	1	S 18° W					73		88		1·025		6·6		12			6·32			8·66			1·65	P. V. Fraser.
		6	6	6	1	S 49° W	S 57° W	6·6	10·4	−3·8	49	−25	87	− 1	·909	−·045	8·6	+0·2	21			18·60	18·65	−0·05	27·44	35·74	−8·30	2·48	Port Blair.
	1	9	14	6		S 38° W		14·9			89		84		·917		7·8		15			6·74			10·14			1·23	Slipper Island.
																													Kashmir.
	1		2	16	9	N 75° W		0·5			77		56		·577		3·8		7			6·38			7·59			1·26	Muzaffarabad.
	4	2	1	2	7	N 26° W	S 45° E	2·8	3·8	−1·0	17	+ 9	81	0	·519	−·055	3·5	+0·3	6	3·80	+2·20	2·17	1·79	+0·38	3·05	4·39	−1·34	0·52	Srinagar.
8	1	1	1		1	N 78° E		4·1			37		74	− 7	·369		3·7		14			5·32	3·74	+1·58	5·321			1·25	Gulmarg.
1	1					N 68° E		1·9			17		82		·291		3·8		11			3·80			5·93			0·95	Sonemarg.
			4	3	2	N 85° W		5·5			23		60	− 1	·252		3·2		3	1·70	+1·30	0·64	0·71	−0·07	2·32	4·24	−1·92	0·26	Dras.
		4	1	7	1	S 64° W	S 72° W	4·6	2·6	+2·0	30	−17	46	+ 4	·199	+·015	3·6	0	0	0·60	−0·60	0·07	0·17	−0·10	0·10	0·39	−0·29	0·07	Leh.
4	3	2	4			S 26° E		7·7			27		42	−10	·266		3·9		1	1·10	−0·10	0·20	0·39	−0·19	0·76	1·69	−0·93	0·16	Skardu.
																Observations not available.													Minimarg. Astor.
				1		W		1·4			3		45	+ 7	·393	+·038	3·4	+0·6	2	0·80	+1·20	0·65	0·35	+0·30	1·27	0·92	+0·35	0·30	Gilgit.
																													Baluchistan.
	2		1			S 18° E	S 8° W	4·1	3·0	+1·1	7	+ 1	38	−11	·353	−·102	0·8	+0·2	0	0·80	−0·80	0	0·19	−0·19	0·23	0·59	−0·36	0	Quetta.
	2	6	14	5		S 37° W	S 53° W	6·9	9·0	−2·1	69	+21	35	+ 7	·420	+·058	0·9	+0·4	0	0·10	−0·10	0	0·09	−0·09	0·32	0·14	+0·18	0	Chaman.
19	1		5			N 81° E		9·3			56		42		·558		0		0			0			0·04			0	Robat.
																													Hill Stations excluding Kashmir and Baluchistan.
	1					N 53° E		6·1			17		46		·397		1·6		0			0			0·57			0	Chitral.
	1	2		3		S 34° W		3·6			13		54		·468		5·9		10	3·40	+6·60	8·85	1·43	+ 7·42	11·55	3·45	+8·10	5·22	Para Chinar.
	3	4			3	N 9° E	S 79° E	8·8	9·9	−1·1	27	+22	43	− 8	·399	−·104	4·1	+1·4	5			7·07	0·73	+ 6·34	7·60	1·94	+5·66	3·58	Cherat.
	6	8			2	S 19° E	S 63° E	4·4	7·2	−2·8	30	+19	54	+ 2	·378	−·005	3·9	+0·4	5	8·00	−3·00	6·27	3·52	+ 2·75	6·75	6·49	+0·26	2·33	Murree.
													70	+ 4	·417	+·015	4·8	−0·2	12	9·80	+2·20	7·61	7·85	− 0·24	8·22	10·91	−2·69	1·46	Simla.
4 1	2	3	6	1		S		2·5			20		71		·403		4·6		9			3·73			6·54			1·29	Sarain.
2	2	6			7	N 22° W		6·9			20		76		·271		6·0		11			4·71			6·93			1·44	Kalabagh.
	4	11	1			S 10° E	S 8° W	6·1	7·4	−1·3	40	+31	78	+ 7	·469	+·032	5·3	+1·3	9	10·60	−1·60	12·55	8·77	+ 3·78	16·20	11·20	+5·00	3·42	Chakrata.
1 3				10		N 83° W		5·7			20		82	+15	·442		6·6		14			10·54	4·90	+ 5·64	13·99	7·01	+6·98	1·81	Muktesar.
2	1			2		N 8° E	S 76° E	1·0	5·1	−4·1	2	−13	93	− 2	·498	0	9·5	+0·9	24	20·81	+3·19	17·50	23·77	− 6·27	23·31	32·55	−9·24	2·83	Darjiling.
		1	4			S 37° W		3·4			17		86		·581		8·8		24	20·40	+3·60	19·12	15·87	+ 3·25	28·34	25·02	+2·32	3·10	Shillong.
	3	5	11	3		S 32° W		6·6			56		97		·637		9·8		27	24·70	+2·30	116·11	101·56	+14·55	140·03	151·49	−11·46	15·71	Cherra Poonjee.
			21			S 45° W		4·5			69		91	+ 6	·667		5·6		13	11·80	+1·20	9·37	7·22	+ 2·15	21·70	17·62	+4·08	2·50	Maymyo.
1 1			2	18	2	N 85° W	S 81° W	8·0	9·2	−1·2	62	− 5	76	+ 4	·655	+·034	5·6	−0·9	15	11·00	+4·00	8·97	10·92	− 1·95	8·98	11·42	−2·44	1·65	Pachmarhi.
2 1	10	1	14	1		S 6° W	S 59° W	9·8	11·4	−1·6	49	−18	81	+ 8	·652	+·081	7·4	+2·1	10	6·70	+3·30	10·57	6·21	+ 4·36	10·57	7·20	+3·37	2·43	Mount Abu.
			2	10	5	N 82° W	N 88° W	3·6	7·8	−4·2	49	−25	97	+ 4	·600	−·006	8·5	−0·5	23	24·80	−1·80	25·36	27·35	− 1·99	29·90	33·13	−3·23	5·50	Mercara.
	1	1	11	13	3	S 73° W		7·7			72		85		·407		8·1		14	13·30	+0·70	5·34	6·18	− 0·84	11·74	12·11	−0·37	1·00	Ootacamund.
	1	2		14	13	N 74° W		14·6*			76		80	+ 5	·386		6·8		14	8·50	+5·50	9·21	3·49	+ 5·72	15·50	9·11	+6·39	1·49	Kodaikanal.

* Uncorrected for scale error.

† Rainfall since 29th May, 1910.

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(2) *Abstract of observations taken at 8*

Number of subdivision.	Station.	Elevation of barometer 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.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Extra India.																					
	Singapore (a)	10	29·896		29·827	29·944	9th	29·831	4th	·113	83·1	87·5		74·6		81·1		12·9	89·8	2nd	72·0	28th & 30th.
	Penang (a)	20	29·856		29·801	29·914	11th	29·797	5th	·117	82·7	90·4		72·1		81·3		18·2	92·0	7 days	68·0	4 days
	Trincomalee	93									79·1	94·0	+2·4	77·1	−1·3	85·5	+0·5	16·9	100·0	1st	72·0	16th
	Colombo	24	29·834	−·042	29·784	29·926	30th	29·756	24th	·160	7[illegible]·1	86·9	+1·2	76·8	−0·7	81·8	+0·3	10·1	91·0	4th	71·5	25th
	Minicoy	7	29·864			29·945	30th	29·778	24th	·167												
	Amini Divi	*13*						Observations not received														
	Gyantse	13,120	17·003		16·964	17·107	26th	16·954	17th & 19th.	·153	53·4	74·5		43·3		58·9		31·2	82·3	22nd	36·2	10th
	Pharijong	14,400									46·8	64·4		19·1		41·8		45·3	69·5	14th	14·0	1st
	Gangtok	5,660?	24·334		24·289	24·477	1st	24·222	14th	·255	66·0	73·5		60·8		67·2		12·7	79·6	30th	53·8	10th
	Gartok	14,240									50·2	64·2		34·5		49·3		29·7	72·4	15th	23·2	9th
	Kashgar (c)	4,255	25·413			25·570	12th & 13th.	25·270	15th	·300	74·3	88·0	−1·9	63·4	−2·2	75·7	−2·1	24·6	97·3	9th	51·3	19th
	Kabul ‖		24·128		24·097	24·204	25th & 26th.	24·024	16th	·180	77·3	91·4	+2·5	59·7	+1·3	75·6	+1·9	31·7	97·4	6th	52·4	18th
	Meshed	3,104	26·717		26·695	26·884	13th	26·556	20th	·328	73·1	88·3		51·7	−11·7	69·9		36·6	98·4	21st	44·3	18th
	Jask †	13	29·533	−·034	29·503	29·695	3rd	29·402	26th	·293	87·4	95·2	−0·6	84·6	+1·5	89·9	+0·5	10·6	104·3	6th	80·8	9th
	Muscat	20	29·538	−·015	29·505	29·720	2nd	29·428	27th	·292	90·1	97·5	+3·7	86·7	−1·4	92·1	+1·1	10·8	108·8	7th	82·6	3rd
	Bahrein	18	29·579		29·549	29·705	3rd	29·452	30th	·253	87·7	92·2		81·5		86·8		10·7	98·1	6th	74·3	26th
	Bushire	14	29·549	−·025	29·522	29·677	3rd	29·445	16th	·232	84·3	89·5	−2·4	79·2	−1·3	84·4	−1·9	10·3	94·8	19th	71·0	2nd
	Busrah	25	29·594		29·577	29·749	10th	29·442	28th	·307	85·9	96·6		81·6		89·1		15·0	102·5	30th	77·1	25th
	Kerman							Observations not received														
	Ispahan (b)	*5,817*	24·262			24·400	1st	24·150	4 days	·250	78·6	93·4	−1·0	63·4	+1·5	78·4	+0·3	30·0	100·4	13th & 23rd.	54·2	2nd
	Tehran (b)	*4,009*	25·604			25·750	1st & 16th	25·400	23rd	·350	73·5	92·7	−1·6	67·1	+0·1	79·9	−0·7	25·6	99·6	24th & 28th.	60·0	8th & 24th.
	Baghdad	127	29·521	−·058	29·617	29·712	10th	29·353	30th	·359	85·1	105·6	+3·8	75·5	+0·1	90·6	+1·9	30·1	112·9	13th	70·3	24th
	Beirut ‡	111			29·817						76·0	82·4		68·2		75·3		14·2	91·0	1st	60·1	7th
	Aden	94	29·638	−·009	29·662	29·721	9th	29·548	24th	·173	88·6	94·7	0	84·1	+0·4	89·4	+0·2	10·6	96·8	3rd	81·4	4th
	Perim	201	29·522	−·016	29·654	29·597	9th	29·439	26th	·158	86·9	94·2	−1·0	84·3	+1·6	89·3	+0·3	9·9	99·5	18th	81·4	14th
	Zanzibar	72	30·025	−·012	30·064	30·133	30th	29·999	26th	·131	75·4	81·8	+0·4	73·7	−0·4	77·8	0	8·1	83·9	3rd & 6th	72·2	13th

N.B.—The 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.

‡ 8½ " " † Mean of 29 days.

‖ " " 26 "

—concluded.

t 238 stations in India, etc., in June, 1910—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 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 1910	Normal rainfall for period, 1st May to 30th June	Departure from normal of period, 1st May to 30th June, 1910	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
																																Extra India.
	1	2	5	1	1	2			S 33° E		4·5*			20						6·0		9			6·60			13·49			2·06	Singapore.
6	13		7	1			3		N 43° E		10·6*			53						1·3		1			7·27			18·35			2·16	Penang.
					25	5			S 53° W	S 47° W	10·7*	16·7	−6·0	96	+ 2	77†	+ 1	·761†	−·112	5·5	+2·0	4			2·61	1·51	+1·10	3·84	3·97	−0·13	1·32	Trincomalee.
1	1				8	16	4		S 88° W	S 62° W	5·2*	10·5	−5·3	79	− 7	86	+ 5	·855	−·031	8·3	+1·1	13			8·45	8·23	+0·22	12·16	19·35	− 7·19	3·65	Colombo.
					4	21	2		S 88° W	S 81° W	15·1	16·2	−1.1	93	+ 5					7·9	+1·2	23			13·40	8·60	+4·80	21·31	15·00	+ 6·31	1·41	Minicoy.
															Observations not received																	Amini Divi.
	5	4	6	1					S 81° E		2·9			40		66		·267				6			1·91			2·03			0·56	Gyantse.
2	1	2	5	1	4	3	1		S 1° W		8·5			44		82		·261		6·9		6			1·90			2·45			0·29	Pharijong.
									(d)		1·1					90		·574		4·6		26			19·84			29·96			2·70	Gangtok.
			9	2	1				S 34° E		8·1‖			37						1·9		0			0			0			0	Gartok.
					1		3		N 72° W	N 28° W	4·8	4·8	0	10	− 7	75	+36	·635	+·279	1·9	−0·6	2			0·81	0·31	+0·50	1·37	1·19	+ 0·18	0·50	Kashgar.
2	2					4	10		N 34° W ¶	N 23° E				78¶	+72	41		·374		0·9	+0·6	0			0·35	0·21	−0·16	2·09	0·75	+ 1·34	0·05	Kabul.
2	2	2	1	1					N 63° E		1·8†			13		46		·317		2·1	+0·9	1			0·13	0·23	−0·10	1·32	0·97	+ 0·35	0·13	Meshed.
2	1	1	17	2			1		N 87° E	S 48° E	10·7§	13·2	−2·5	59	+39	81	+14	1·035	+·098	0·5	−0·6	0			0	0·11	−0·11	0	0·11	− 0·11	0	Jask.
6	2	2	[illegible]			1	7		N 42° E	N 27° E	5·2	4·7	+0·5	37	+18	64	− 3	·888	−·060	2·3	+0·8	0			0	0·36	−0·36	0	0·36	− 0·36	0	Muscat.
	7		2		1	[illegible]	11		N 38° W‖		8·7			69		56		·723		0·5		0			0			0·06			0	Bahrein.
8	1		1	1	2	7	10		N 72° W	N 37° W	12·0	10·7	+1·3	49	− 7	70	+ 8	·822	+·037	0	−0·2	0			0	0	0	0	0	0	0	Bushire.
	1			2	2	20	5		N 89° W		6·5			80		51		·669		0·1		0			0			0·59			0	Busrah.
															Observations not received.																	Kerman.
3	1	1			3	5	4		N 63° W	N 50° W	2·5	3·8	−1·3	30	−14	37	−14	·399	−·098	0	−0·1	0			0	0	0	0·10	0·11	−0·01	0	Ispahan.
3	1	5	4	2	4	1			S 45° E	S 7° W	3·6	3·0	+0·6	13	− 4	55	+23	·452	+·125	0·7	−0·2	0			0	0·04	−0·04	0·39	0·37	+0·02	0	Tehran.
2	7	3				1	17		N 28° W	N 9° W	11·3	4·9	+6·4	80	+12	25	−15	·301	−·188	0·3	+0·2	0			0	0	0	0·20	0·24	− 0·04	0	Baghdad.
	8			22					S 45° W					47		71		·629		0·8		0			0			0·50			0	Beirut.
6	4		8		11		1		S	S 34° E	7·1	9·3	−2·2	33	+ 7	73	+ 1	·980	+·042	3·3	+0·3	0			0	0·01	−0·01	0	0·20	− 0·20	0	Aden.
											10·1	13·4	−3·3			77	+ 4	·981	+·026	3·4	−0·1	0			6	0	0	0	0·37	− 0·37	0	Perim.
			1	19	14	1			S 22° W	S 13° W	8·1	8·8	−0·7	90	+ 3	81	+ 1	·737	+·009	5·8	+0·7	0			0·02	1·75	−1·73	11·79	12·14	− 0·35	0·01	Zanzibar.

* Uncorrected for scale error.

§ Mean of 28 days.
¶ „ „ 23 „

(d) Indeterminate.

Table C.—Abstract of observations taken at 8 hrs. at 38 fourth class stations in India, etc., in June, 1910.

Ta

Abstract of observations taken at 8 l

Number of subdivision.	Station.	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.	Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant 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
	II.—Eastern Bengal and Assam.																							
4	Bishnath	79·1	88·6	...	74·0	...	81·3	...	14·6	96·9	26th	70·7	1st	26·2	...	...	...	...	...	...	...	...	...	...
	Borjuli	79·9	88·4	...	75·0	...	81·7	...	13·4	94·7	27th	73·0	3rd & 10th.	21·7	...	...	...	...	...	...	...	...	...	...
	Chandkhira	79·1	88·5	...	80·6*	...	84·6	...	7·9	95·4	27th	?	?	?	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	77·8	88·9	...	74·7	...	81·8	...	14·2	95·5	27th	72·2	9th & 23rd.	23·3	...	...	...	...	...	...	...	...	...	...
	Dikom	78·3	88·6	...	75·1	...	81·9	...	13·5	95·4	27th	72·2	9th	23·2	...	...	...	...	...	...	...	...	...	...
	Golaghat	80·7	81·2	...	...	...	...	...	...	85·1	12th	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	78·4	89·3	...	74·5	...	81·9	...	14·8	96·0	25th	71·0	1st	25·0	...	...	...	...	...	...	...	...	...	...
	Jorehat	81·0	89·2	...	75·7	...	82·5	...	13·5	92·9	27th	72·8	9th & 23rd.	20·1	...	...	...	...	...	...	...	...	...	...
	Messa	82·9	91·7	...	75·3	...	83·5	...	16·4	96·8	27th	70·8	1st	26·0	...	...	...	...	...	...	...	...	...	...
	Panerihat	75·4	86·8	...	73·8	...	80·3	...	13·0	91·9	27th	70·2	1st	21·7	...	...	...	...	...	...	...	...	...	...
	Srimangal	80·3	89·5	...	75·7	...	82·6	...	13·8	95·7	25th	70·2	1st	25·5	...	...	...	...	...	...	...	...	...	...
5	Brahmanbaria	81·7	87·6	...	76·1	...	81·9	...	11·5	93·4	25th	70·3	10th	23·1	...	...	...	...	...	...	...	...	...	...
	Dam Dim	78·6	91·5	...	73·6	...	82·5	...	17·9	96·1	24th	70·9	9th & 10th.	25·2	...	...	...	...	...	...	...	...	...	...
	Goalundo	84·2	89·0	...	76·7	...	82·9	...	12·3	96·1	2nd	72·4	10th	23·7	...	...	...	...	...	...	...	...	...	...
	Kalchini	80·0	87·7	...	73·1	...	80·4	...	14·6	92·6	27th	70·9	9th	21·7	...	...	...	...	...	...	...	...	...	...
	Nagrakata	78·5	87·0	...	73·9	...	80·5	...	13·1	92·1	26th	70·0	9th	22·1	...	...	...	...	...	...	...	...	...	...
	Pabna	83·4	89·8	...	56·9	...	73·3	...	32·9	96·4	2nd	44·5	15th	51·9	...	...	...	...	...	...	...	...	...	...
	XI.—Central Provinces.																							
24	Chhindwara	78·7	91·1	...	73·4	...	82·3	...	17·7	103·9	4th	70·0	11th & 25th.	33·9	...	1	1	...	2	3	6	11	6	S 80° W
	XIV.—Madras.																							
34	Guntur	86·1	99·1	...	80·7	...	89·9	...	18·4	112·6	1st	74·9	21st	37·7	...	...	...	...	...	...	...	...	...	...
	Kashmir.																							
14	Jammu	89·1	100·6	...	81·5	...	91·1	...	19·1	112·1	10th & 11th.	70·3	17th	41·8	...	9	7	4	5	5	...	...	...	N 69° l
	Kargil	63·6	80·1	..	55·2	...	67·7	...	24·9	89·3	28th	48·7	19th	40·6	...	10	4	4	2	...	...	...	10	N 3° l
	Hill Stations, exclusive of Kashmir.																							
	Panighatta	78·5	86·3	...	73·0	...	79·7	..	13·3	91·5	27th	70·9	9th	20·6	...	...	...	...	...	...	...	...	...	...
	Kurseong	67·4	72·9	...	64·2	...	68·5	..	8·7	78·3	9th	61·9	9th	16·4	...	...	...	...	...	...	...	...	...	...
	Gnatong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lachung	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Mean of 6 days

J.

t 38 fourth-class stations in India, etc., in June, 1910.

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 June, 1910.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June, 1910.		
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.
...	...	...	...	...	91	...	·905	...	...	...	20	...	...	14·84	...	...	23·76	...	...	1·98	Bishnath.
...	...	...	...	...	89	...	·907	...	...	...	21	...	...	17·75	...	...	22·60	...	...	2·90	Borjuli.
...	...	...	...	...	92	...	·910	...	...	...	27	...	...	29·68	...	...	42·68	...	...	4·85	Chandkhira.
...	...	...	...	...	92	...	·873	...	...	...	20	...	...	23·37	...	...	29·14	...	...	2·82	Doom Dooma.
...	...	...	...	...	93	...	·892	...	...	...	24	...	...	23·71	...	...	28·90	...	...	3·08	Dikom.
...	...	...	...	...	87	...	·912	...	...	...	18	...	...	10·73	...	...	26·09	...	...	1·46	Golaghat.
...	...	...	...	...	91	...	·887	...	...	...	27	...	...	28·13	...	...	41·19	...	...	3·25	Hailakandi.
...	...	...	...	...	86	...	·906	...	...	...	17	...	...	10·67	...	...	19·80	...	...	2·23	Jorehat.
...	...	...	...	...	83	...	·931	...	...	...	16	...	...	11·79	...	...	22·41	...	...	3·10	Messa.
...	...	...	...	...	96	...	·839	...	...	...	18	...	...	16·96	...	...	24·51	...	...	4·15	Panerihat.
...	...	...	...	...	88	...	·908	...	...	...	26	...	...	21·95	...	...	31·68	...	...	5·86	Srimangal.
...	...	...	...	...	84	...	·903	...	...	...	20	...	...	17·35	...	...	24·21	...	...	3·25	Brahmanbaria.
...	...	...	...	...	99	...	·976	...	...	...	23	...	...	45·18	...	...	53·01	...	...	5·03	Dam Dim.
...	...	...	...	...	83	...	·969	...	...	...	21	...	...	20·28	...	...	26·43	...	...	7·38	Goalundo.
...	...	...	...	...	85	...	·885	...	...	...	23	...	...	47·19	...	...	51·38	...	...	6·80	Kalchini.
...	...	...	...	...	89	...	·863	...	...	...	21	...	...	41·19	...	...	47·66	...	...	5·66	Nagrakata.
...	...	...	...	...	84	...	·958	...	...	...	18	...	...	11·35	...	...	17·31	...	...	2·33	Pabna.
																					XI.—Central Provinces.
3·3	...	...	53	...	75	...	·717	...	...	...	15	...	...	9·88	...	...	9·88	...	...	2·17	Chhindwara.
																					XIV.—Madras.
...	...	...	...	...	77	...	·941	...	7·8	...	9	...	...	10·28	...	...	10·35	...	...	3·59	Guntur.
																					Kashmir.
...	...	...	47	...	48	...	·627	...	2·8	...	7	...	...	3·22	...	...	3·45	...	...	1·56	Jammu.
...	...	...	63	...	43	...	·255	...	4·3	...	1	...	...	0·19	...	...	1·01	...	...	0·10	Kargil.
																					Hill Stations, exclusive of Kashmir.
...	...	...	...	...	87	...	·832	...	...	...	26	...	...	34·12	...	...	40·00	...	...	5·75	Panighatta.
...	...	...	...	...	92	...	·611	...	...	...	28	...	...	31·88	...	...	38·00	...	...	4·32	Kurseong.
...	...	...	...	...	...	...	...	...	...	...	30	...	...	26·13	...	...	34·37	...	...	3·23	Gnatong.
...	...	...	...	...	...	...	...	...	...	...	28	...	...	13·55	...	...	17·00	...	...	1·90	Lachung.

Ta

Abstract of observations taken at 8

Number of subdivision.	Station.	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.	Wind Direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant 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
	Hill Stations, exclusive of Kashmir—*concld.*																							
	Ringim	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	74·3	...	48·7	...	61·5	...	25·6	82·0	14th	41·0	19th	41·0	20	1	...	...	...	...	...	5	4	N 63° W
	Kailang	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Killa Drosh	74·0	91·9	..	68·1	...	80·0	...	23·8	100·2	15th	58·1	18th	42·1	...	...	14	...	4	...	10	...	1	N 79° E
	Pishin	...	95·6	...	63·0	...	79·3	...	32·6	100·9	26th	51·1	19th	49·8	...	...	...	...	...	...	...	...	...	...
	Kalat	73·9	91·2	−1·0	54·3	+5·4	72·8	+2·2	36·9	98·2	13th	45·9	19th	52·3	...	7	...	2	...	21	...	...	...	S 8° E
	Extra India.																							
	Ahwaz	...	108·0	...	80·2	..	94·1	...	27·8	112·6	17th, 18th & 23rd.	72·4	1st & 21st.	40·2	...	...	...	...	...	...	...	...	...	...
	Birjand	Observations not received.																						
	Chumbi	54·8	66·3*	...	50·7	...	58·5	...	15·6	71·4	27th	43·8	2nd	27·6	...	...	...	...	...	...	...	...	...	...
	Kirmanshah	75·1	89·8	...	53·6	...	71·7	...	36·2	97·2	29th	45·8	11th	51·4	...	...	...	...	...	...	...	...	...	...
	Koweit	Observations not received.																						
	Maidan	...	111·8	...	78·4	...	95·1	...	33·4	116·2	22nd & 29th.	68·9	1st	47·3	...	...	...	...	...	...	...	...	...	...
	Mahommerah	...	99·7	...	77·0†	...	87·8†	...	22·7	105·7	13th	71·4	25th	34·3	...	12	...	...	1	2	...	...	11	N 22° W
	Pemba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Uncorrected for scale error.

† Mean of 9 days.

—concluded.

38 fourth-class stations in India, etc., in June, 1910 —concld.

Wind velocity.		Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
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, 1910.	Normal rainfall for period, 1st May to 30th June.	Departure from normal of period, 1st May to 30th June, 1910.		
28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																				Hill Stations, exclusive of Kashmir—*concld.*
...	...	...	...	...	...	...	...	...	...	28	...	...	21·87	...	...	29·26	...	...	2·29	Ringim.
...	...	30	...	...	...	...	...	3·6	...	0	...	...	0	0·27	—0·27	1·08	0·98	+0·10	0	Poo.
...	...	...	...	...	...	...	...	...	...	3	...	...	0·89	1·34	—0·45	3·36	3·92	—0·56	0·50	Kailang.
...	...	17	...	62	...	·513	...	1·0	...	2	...	...	0·83	...	...	1·92	...	...	0·55	Killa Drosh.‡
...	...	...	...	...	...	...	...	0·8	...	0	0·20	—0·20	0	0·03	—0·03	0·22	0·22	0	0	Pishin.
...	...	47	...	45	...	·382	...	...	...	0	0·50	—0·50	0·02	0·46	—0·44	0·02	0·72	—0·70	0·02	Kalat.
																				Extra India.
...	...	...	...	...	...	...	...	0·3	...	0	...	...	0	...	...	0·13	...	...	0	Ahwaz.
								Observations		not received.										Birjand.
...	...	...	...	87	...	·373	...	...	...	13	...	...	3·42	...	...	5·99	...	...	0·56	Chumbi.
...	...	...	...	39	...	·334	...	...	...	0	...	...	0	...	...	2·19	...	...	0	Kirmanshah.
								Observations		not received.										Koweit.
...	...	...	...	...	...	...	...	...	...	0	...	...	0	...	...	0	...	...	0	Maidan.
...	...	63	...	...	...	...	...	...	...	0	...	...	0	...	...	0·38	...	...	0	Mahommerah.§
...	...	...	...	...	...	...	...	...	...	5	...	...	1·44	...	...	19·38	...	...	0·31	Pemba.
...	...	...	...	...	...	...	...	...	...	0	...	...	0	...	...	11·79	...	...	0	Prison Island.

‡ Wind variable 1.
§ " " 4.

o. 4101 E 10-2-3,000. LITHO. BY S.B.M.

The lines of the above chart represent isobars or lines of equal barometric pressure, the numbers attached indicating the barometric ssure 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 re 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 nbert'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 icated by broken arrows to distinguish them from the wind arrows for the plain stations. The mean velocity of the winds during the nth 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.

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

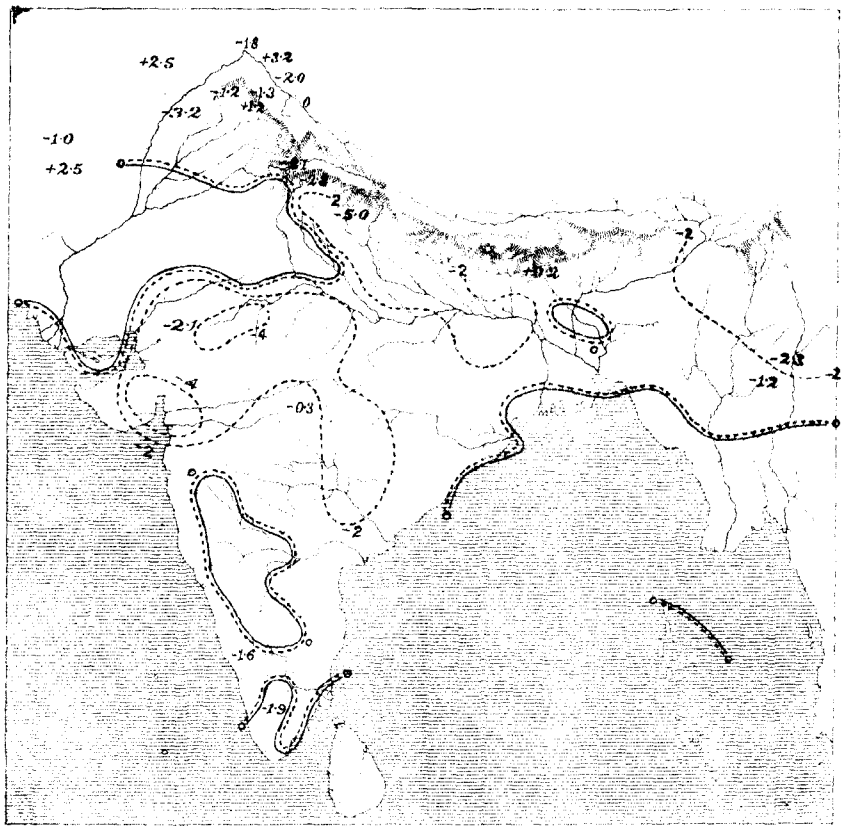


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

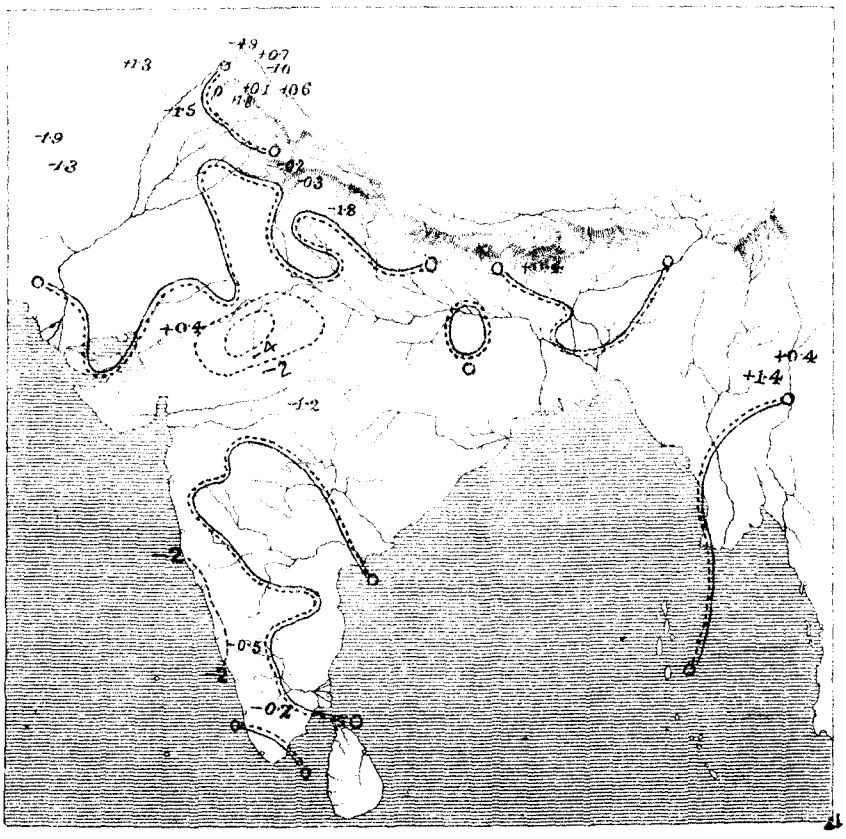


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MEAN TEMPERATURE.

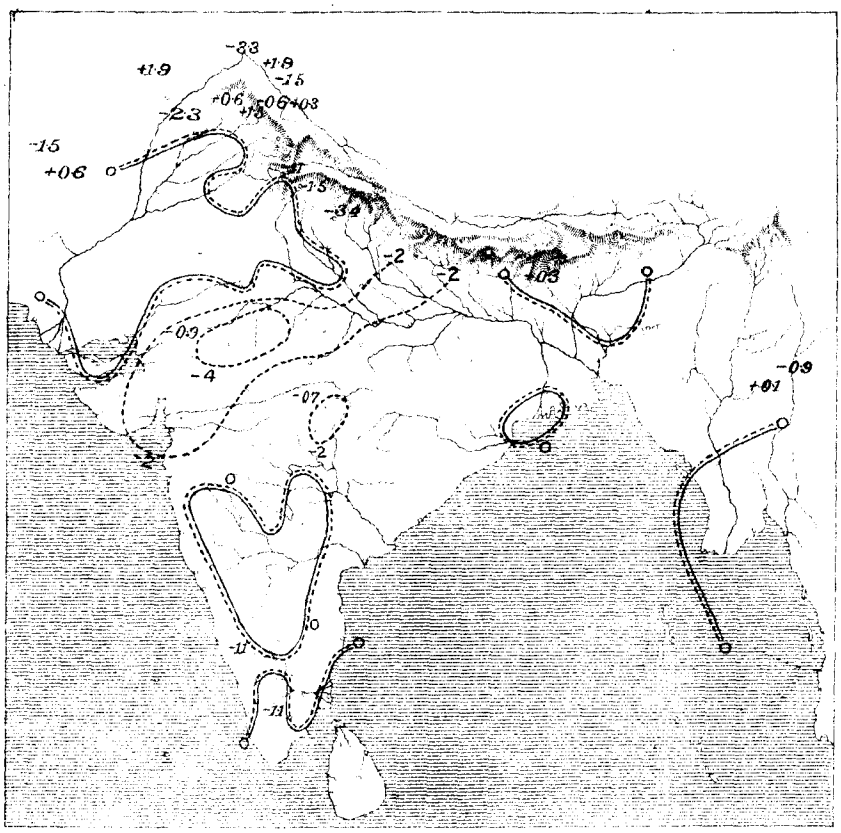
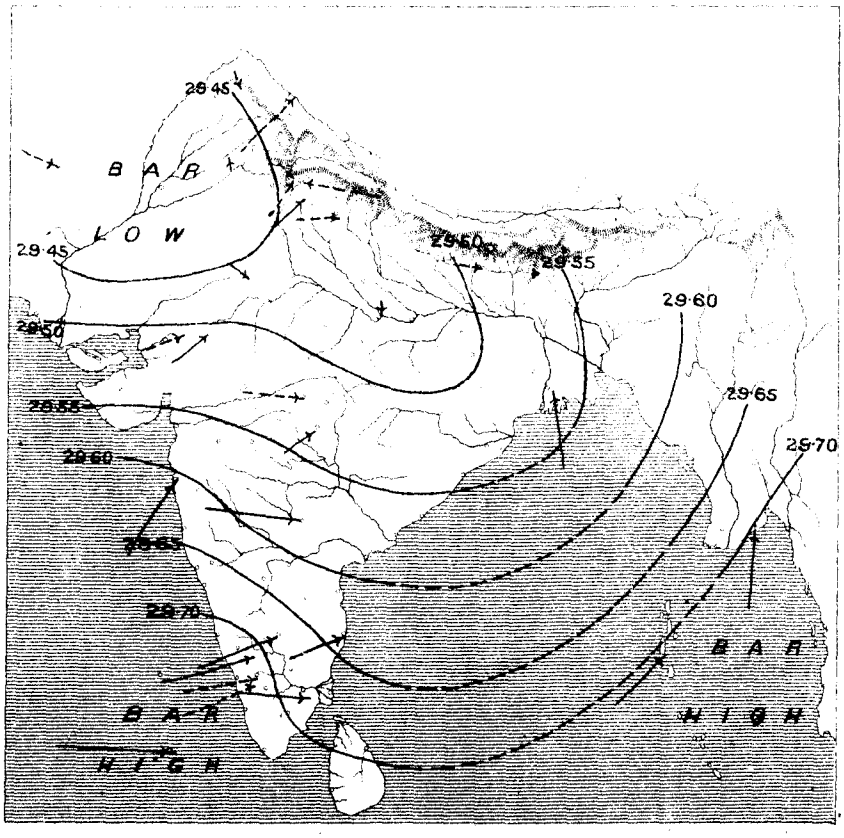


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.



LITHO. BY S.S. MODDLE.

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

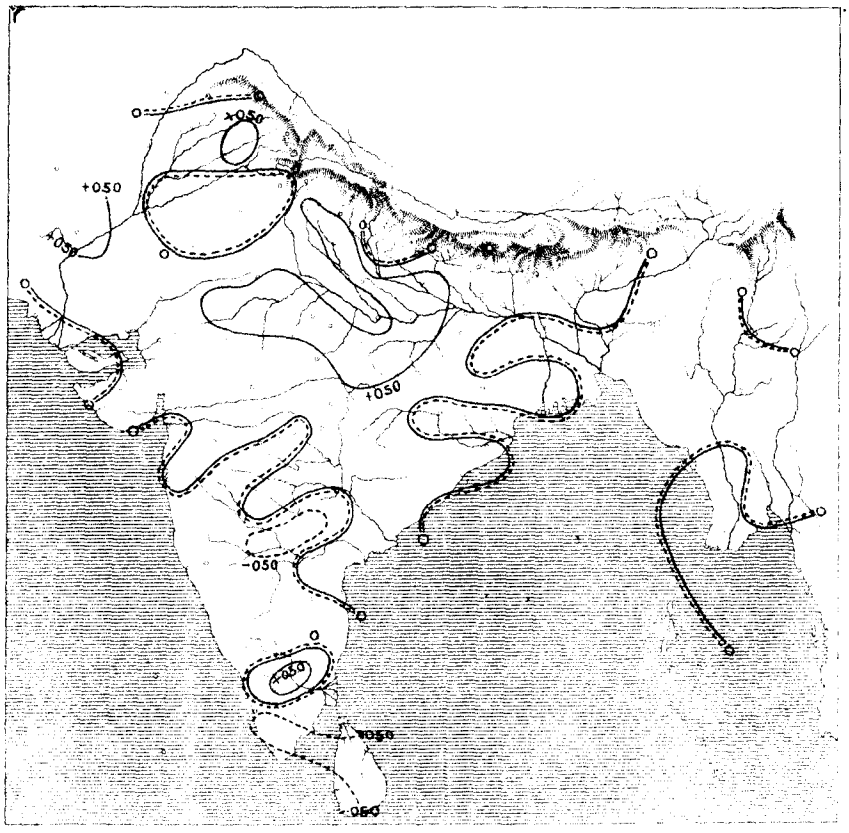
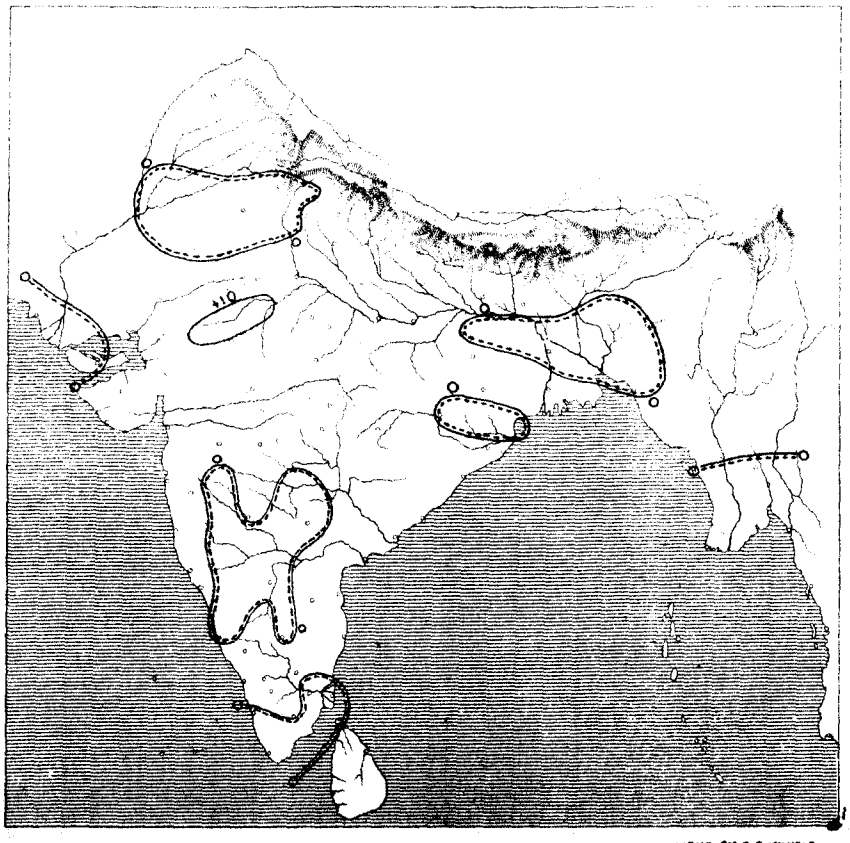


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.



LITHO. BY S.S. MUNDLE.

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

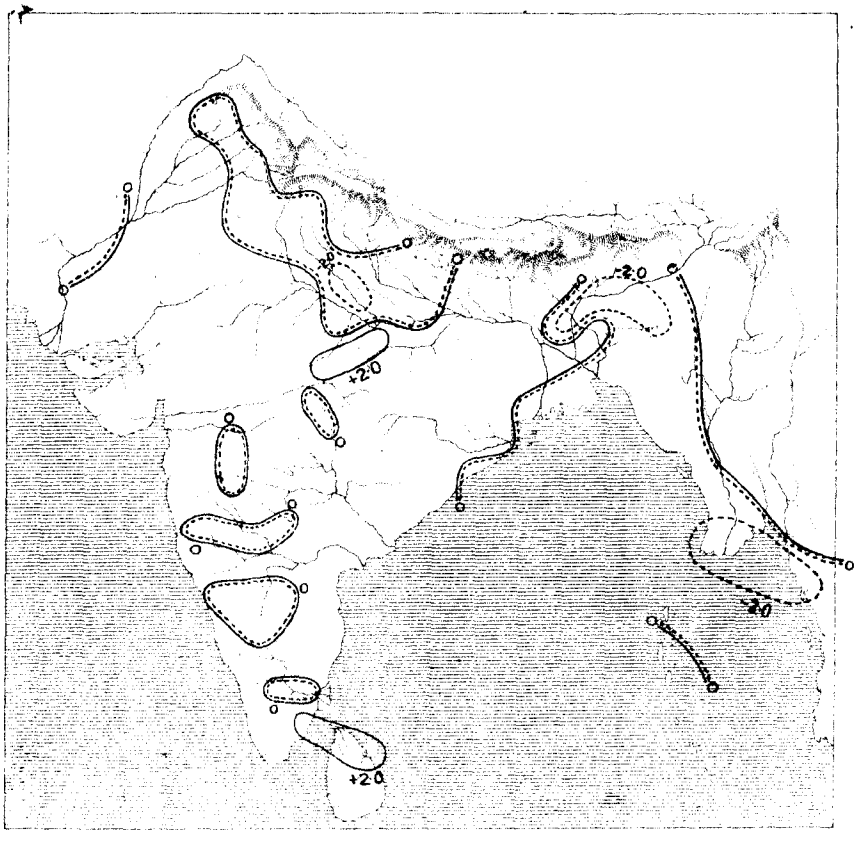
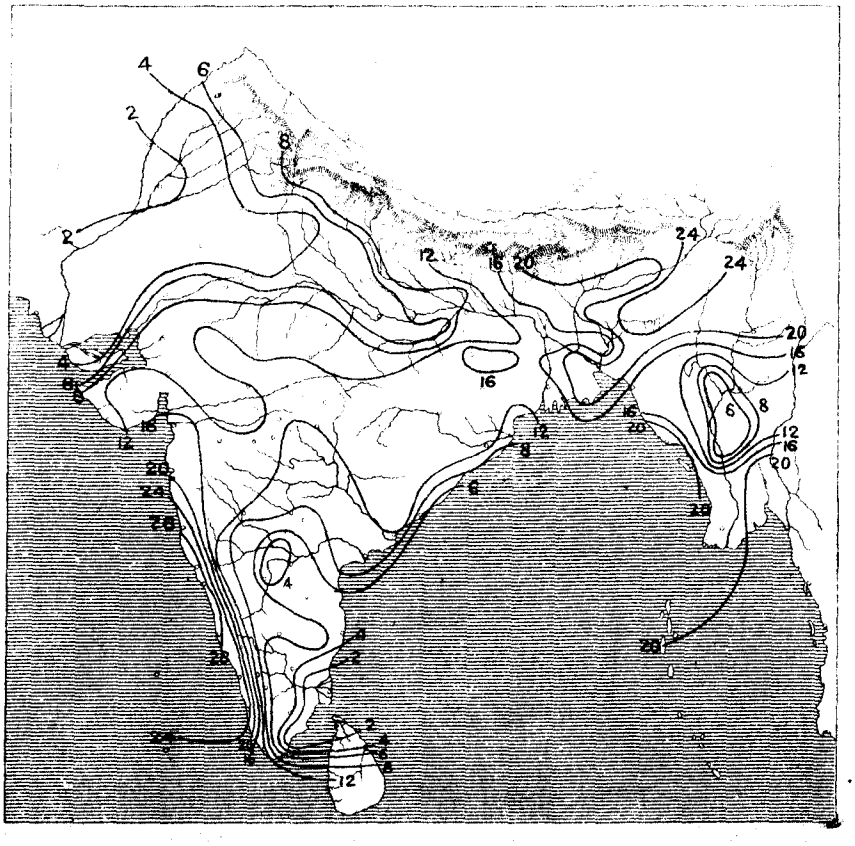
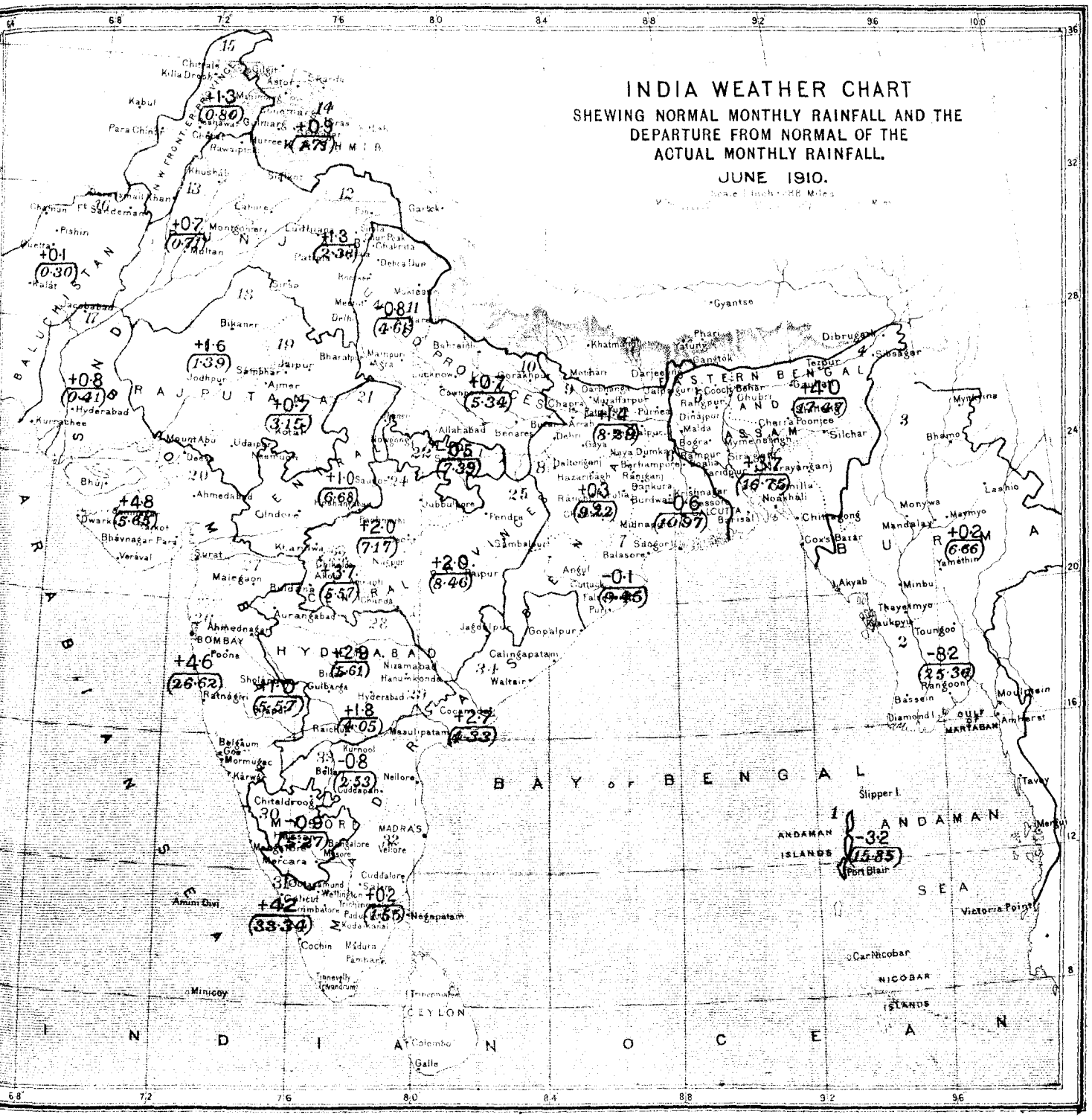


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)





No. 4101 E., 10.—2.—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

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GOVERNMENT OF INDIA.

METEOROLOGICAL DEPARTMENT.

MONTHLY WEATHER REVIEW.

PUBLISHED BY ORDER OF

THE GOVERNMENT OF INDIA.

CALCUTTA, JULY, 1910.

INTRODUCTION.

THIS review of the weather in India during the month of July, 1910, is based on observations taken aily at 8 hrs. at 239 stations, and on additional observa-ons taken at 10 hrs. and 16 hrs. at 34 stations. In the infall summary have been utilized the data furnished by e meteorological observatories, and such rainfall statements of the month as had been published by the Provincia Governments up to the date of the preparation of th review.

The brief notes on solar, seismic and magnetic di turbances are supplied by the chief observatories in t Indian area.

Summary of the chief features of the weather in India during the month.

2. The monsoon was on the whole less vigorous than sual, and the only areas where the month's rainfall xceeded the normal were Assam, Eastern Bengal, engal proper, Orissa, the North-West Frontier Pro-nce, Baluchistan, Sind, Mysore and Madras except-g Malabar. Over the greater part of the region of anty rainfall the deficiency was more than 20 per cent. amount, and was absolutely greatest in the Konkan and entral India East which received less than half of their ormal share. On the other hand in the comparatively y zone comprising the North-West Frontier Province, nd, Baluchistan, Madras Southeast and the Madras eccan the precipitation was unusually abundant. Only one important disturbance passed across the country during the month.

Weather was appreciably cooler than usual; the North-West Frontier Province, upper Sind and Rajputana West, but elsewhere the departures of temperature from the average conditions were of no significance. Notwithstanding the weakness of the monsoon the air contained about the usual amount of vapour; the cloud proportion was however distinctly low in Bombay, the Central Provinces, Hyderabad, the southern coast district of Burma, and very high in the North-West Frontier Province and Baluchistan.

In most places pressure was remarkably high, the geographical mean of India being ·037″ above the normal.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar observations.*—The weather during the month as unfavourable for solar observations. The sun could t be examined for spots and faculæ on 3 days and on other days prominences could not be observed.

Sunspots.—Sixteen new groups were recorded, of which all except one were small. The average daily number was 1·5 and the average life of a spot was 3·2 days. The sun was free from spots on 3 days at the time of observation. The only large group, No. 1785, observed during the month came round the east limb on the 1st. In the

beginning it consisted of two small spots of nearly the same size. After 2 days the leader began to gain in size and by the time it reached the central meridian it had become a large spot of round and regular outline, while the rear spot consisted of 3 small dots. The latter completely disappeared after the 8th and the leader alone remained to go round the west limb on the 12th. A slight disturbance was indicated in the spot region on the first day of its appearance, when the C line appeared bent and D3 was seen dark in the same place.

The distribution of spots in latitude was as follows :—

TABLE 1.

	0°—10°.	11°—20°.	Mean latitude.	Extreme latitudes.
North . . .	4	1	6°·0	1° and 11°
South . . .	9	2	7°·5	4° and 17°

Prominences.—Twenty-seven large and 4 eruptive prominences were recorded during the month. The largest was observed on the 11th at latitude—10° East. It was an eruptive prominence and was rapidly changing. At 9h. 15m. it attained a height of 170″.

Magnetic disturbances.—There were moderate magnetic disturbances on the 3rd and 5th. On the latter date the large spot No. 1785 was about a day's journey from the central meridian.

Seismological records.

TABLE 2.

No.	Date.	P. T. Commencement G. M. T.	L. W. Commencement G. M. T.	Maxima. G. M. T.	End.	Maximum amplitude.	Duration.	REMARKS.
	1910.	H. M.	H. M.	H. M.	H. M.	mm.	H. M.	
36	July 7	8 24·4	8 44·4	8 46·4	9 57	2·5=1·4	1 33	
37	" 12	46·4	...	...	8 00	...	0 14	Widening of line (Kashmir)
38	" 15	13 10·8	...	13 17·2	13 27	...	0 16	Widening of line.
39	" 21	22 10·5	...	...	22 55	...	0 45	Widening of line.
40	" 24	16 6·4	16 23·4	16 29·5	16 50	...	0 34	Widening of line.
41	" 29	10 5·4	11 17·2	11 22·3	12 40	1·1=0·5	1 54	

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

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of July 1910, the traces showed 8 calm days and 23 days of small disturbance.

The days of the month selected as "quiet" for the purposes of the Magnetic Survey of India are the 2nd, 13th, 14th, 18th and 28th.

The mean 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 . . .	0° 57′ 44″
Horizontal force	0·36855 C.G.S. unit.
Vertical force	0·16094 " "
Dip (calculated)	23° 35′·4
Dip (observed)	23° 34′·6
Horizontal force range . .	0·00041 C.G.S. unit.
Horizontal force summed range .	0·00274 " "
Declination range . . .	4′·0
Declination summed range .	17′·6

(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 during the month :—

TABLE 3.

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

C = calm, S = small, M = moderate, G = great, V. G. = very great.

Seismic disturbances.

TABLE 4.

Date.	Commencement.	Maximum.	End.	Maximum amplitude	Duration.
	H. M.	H. M.	H. M.	mm.	H. M.
7th July 1910.	8 29·8	8 49·4	9 29·7	2·6	0 59·9
12th " .	7 42·2	7 43·7	7 50·8	0·2	0 8·6
21st " .	22 19·4	22 22·1	22 38·6	0·6	0 19·2
29th " .	10 47·7	11 28·0	11 50·3	0·4	1 2·6

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.*

TABLE 5.

Date. 1910.	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.	
July 5th	18 46·8	...	18 58·5	19 5·1	0 18·3	0·50	
„ 6th	6 7·0	...	6 8·0	6 12·1	0 5·1	0·50	
„ 7th	5 28·0	...	...	5 46·2	0 18·2	...	Thickening of the line.
„ 7th	8 26·8	8 40·5	8 46·1	9 36·4	1 9·6	6·00	
„ 8th	3 15·6	...	...	3 27·8	0 12·2	...	Thickening of the line.
„ 8th	3 54·2	4 27·8	4 31·3	5 0·3	1 6·1	2·00	
„ 15th	13 12·8	...	...	13 22·9	0 10·1	...	Thickening of the line.
„ 29th	10 44·6	...	11 13·6	12 17·6	1 33·0	1·00	

Sensibility 1 mm. = 0″·38 of tilt.

C. W. PEAKE,

Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing seismographs.*

TABLE 6.

Date.	Beginning of 1st P. T.	Beginning of 2nd P. T.	Beginning of L. W.	Time of maximum amplitude.	End approximately.	Duration.	Maximum displacement of style.	REMARKS.
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	mm	
1st A	13 24·1	...	13 24·7	13 24·7	14 26	1 2	Small.*	Local.
„ B	13 24·2	...	13 24·6	13 24·6	13 26	0 1·8	„	
7th A	8 25·7	8 33·0	8 43·3	8 47·1	10 0	1 34	1·6	
„ B	8 25·5	8 32·9	8 43·3	8 51·9	9 23	0 58	1·9	
12th A	7 37·3	7 38·3	7 39·1	7 38·4	7 56	0 19	3·0	
„ B	7 37·3	7 38·3	7 39·3	7 38·4	7 52	0 15	2·4	
15th A	20 40·5	...	...	20 40·5	20 40·9	0 0·4	Small.*	Local.
„ B	20 40·6	...	...	...	20 41·3	0 0·7	„	
17th A	19 11·2	...	...	19 28·2	19 44	0 33	Very Small.*	
21st and 22nd A	...	...	...	...	...	...	...	Tremors from 22 h. 34·4 m. to 0 h. 41·8 m.
29th A	10 37·7	...	10 47·0	10 47·2	11 55	1 17	0·3	
„ B	10 47·2	...	...	...	10 48·9	0 1·7	Small.*	
31st A	1 42·9	...	...	1 44·2	1 52·1	0 9·2	„	
„ B	1 43·9	...	...	1 44·2	1 45·8	0 1·9	„	

All times are given in G. M. T.
A = E—W component.
B = N—S component.
Magnification of each instrument was 15.
* Displacements less than 0·2 mm. are reported as "small."

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

TABLE 7.

Place at which felt.	Date.	G. M. T. of earthquake.		Duration.	Intensity.	No. of shocks.	REMARKS.
		H.	M.	Sec.			
Drosh . . .	1st	10	40	20	2	3	
„ . . .	„	22	5	30	2	?	
Ludhiana . . .	12th	7	12	2	4	3	
Gilgit . . .	„	7	25	35	4	1	
Kyelang . . .	„	7	27	3 min.	2	2	
Sialkot . . .	„	7	35	3 sec.	4	3	
Muktesar . . .	„	7	36	5	2	2	
Skardu . . .	„	7	38	45	4	Several	
Rawalpindi . .	„	7	38	2	3	1	
Lahore . . .	„	7	38½	40	4	1	
Srinagar . . .	„	7	40	5	5	2	
Khushab . . .	„	7	40	5	5	3	
Cherat . . .	„	7	43	5	3	1	
Sonemarg . . .	„	7	45	1	5	2	
Dras . . .	„	7	45	2	...	2	
Drosh . . .	„	7	45	25	3	Several	
Chitral . . .	„	7	52	47	4	2	
Kalabagh . .	„	8	15	10	2	1	
Sarain . . .	„	8	30	2 min.	2	2	
Chaman . . .	15th	7	58	2 sec.	3	2	
Kyelang . . .	„	19	32	2	2	1	
„ . . .	„	20	27	2	2	1	
Chitral . . .	24th	17	5	20	4	2	

For scale of intensities reference may be made to the Monthly Weather Review for January, 1910.

Solar radiation.—No opportunity occurred in Simla for measurements by Angstrom's pyrheliometer, as skies were clouded at local noon throughout the month.

J. H. FIELD,

Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. The following information has been communicated by the Director of the Observatory :—

Magnetic disturbances.

TABLE 8.

Day.	Time.	Disturbance.
July. 5th	5h. to 8h.	Wave in H. F. (+27) followed till 6d. 3h. by occasional small rapid fluctuations, with wave 5d. 20½h. to 22h. (+31).
6th	10h. to 13h.	Wave in H. F. (−25).
7th	13h. to 18h.	Wave in H. F. (−25).

Day.	Time.	Disturbance.
July. 9th	12h. to 15h.	Wave in H. F. (—15).
10th	22½h. to 23½h.	Wave in H. F. (+10).
22nd	17½h. to 19h.	Wave in H. F. (+11).
24th	5h. to 7h.	Wave in H. F. (+18).
29th	4h. to 6h.	Occasional small fluctuations in H. F.
	6h. to 8h.	Wave in H. F. (+21).
	10½h. to 14h.	Decrease in H. F. (38).
	17½h. to 20h.	Wave in H. F. (—17).

Meteorological conditions.

TABLE 9.

—	March, 1910.	April, 1910.
Departure from normal of mean pressure	+·015	—·004
Actual mean wind direction	N 88° E	S 71° E
Normal mean wind direction	S 78° E	S 70° E
Actual mean wind velocity (miles per diem)	214	226
Normal mean wind velocity (miles per diem)	250	252
Rainfall departure from normal	+0·41	—2·43

Weather in the Indian monsoon region.

8. Pressure was low at Mauritius as well as at the stations nearer the equator. On the mean of the month the winds were more southerly than usual and above normal in strength at Seychelles, and decidedly weak and abnormally easterly at Mauritius. At Zanzibar the winds were on the average nearly normal in direction and strength, but during the week preceding the great weakening of the monsoon over the land area of India their direction was variable.

Rainfall was in decided excess at Mauritius and Zanzibar, but that at Seychelles was thirty-three per cent. below the normal.

The general conditions in the Indian Ocean were thus not decidedly unfavourable to Indian rainfall.

TABLE 10.

—	Mauritius.*	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	—·048	—·012	—·037
Actual mean wind direction	S 77° E	S 1° E	S 24° E
Normal mean wind direction	S 64° E	S 6° E	S 33° E
Actual mean wind velocity (miles per diem).	225	189	310
Normal mean wind velocity (miles per diem).	287	197	289
Rainfall departure from normal.	+1·81	+0·83	—0·82

* Approximate data derived from the weekly telegrams.

Depressions and cyclonic storms.

9. Two disturbances were formed over the Bay, one during the first week and the other towards the close of the month. The former, which developed into a storm of considerable severity, appeared over the head of the Bay on the 1st: its depth was small on this day, but it increased rapidly during the next 48 hours, and on the morning of the 3rd the barometer in the central region stood about half an inch below the normal. According to the available information movement in a west-north-west direction was developed about noon, and by 17 hrs. the centre had struck the coast near Balasore.

As is usually the case the storm weakened considerably after its passage inland; it continued however to travel in the same direction as hitherto, and on the morning of the 4th was passing through the east of the United Provinces and the adjacent districts of Chota Nagpur. Its path became somewhat more northerly during the next twenty-four hours and on the morning of the 5th it had reached the neighbourhood of Pachmarhi and Jubbulpore; on the 6th its central area lay over the south of Rajputana and on the following day over Cutch and the districts to the north. It diminished rapidly in intensity during the day and on the morning of the 8th was passing from Sind into Baluchistan as a very shallow residual depression.

The storm, although of the normal monsoon type, was in its earlier stages, unusually severe for July, winds of almost hurricane violence being recorded on board the *L. V. Canopus* on the afternoon of the 3rd. Also there is evidence that it had a fairly developed calm centre which passed over or close to the *Canopus* at about 14 hrs. Heavy rain occurred on the south side of the storm track in the belt of country stretching from Orissa to lower Sind and but little rain fell to its north.

The second disturbance originated on the 25th in the south-west of the Bay as a wave of low pressure in front of an advance of the monsoon and was thence transmitted northwards. It lay off Orissa on the 31st, but was still feebly marked. Its future history will be given in the August review.

Pressure.

10. The month was dry in most parts of the country, and the pressure was, as is usual under such conditions, abnormally high: the excess amounted to ·037″.

In the Indian Ocean on the other hand pressure was below the average.

In the hill districts of northern India the excess of pressure was either less marked than in the plains below or was converted into a defect, and it is therefore certain that the high density of the air in the plains was due mainly to the condensation of the lower atmospheric

strata. The greatest excess occurred in the east of the Central Provinces, southern Bengal and the Circars where it was between ·06″ and ·07″, but it exceeded ·04″ over the whole of the region stretching from Gujarat and Rajputana to Cachar and Upper Burma, and was only slightly below that amount in Lower Burma, the Punjab and the north Deccan. It was least in the Madras Deccan, and was nearly the same in south Tenasserim. The defect in the south was not very marked, though it amounted to ·04″ at Colombo.

The baric gradient from south to north was very weak over the peninsula and the adjacent seas, and the monsoon trough of low pressure, particularly its eastern half, was situated unusually far north.

The vertical gradient was on the whole stronger than usual.

TABLE 11.

DIVISION.	Departure from normal of mean 8 hrs. pressure.
	″
Burma	+·034
Eastern Bengal and Assam	+·048
Bengal	+·058
United Provinces	+·038
Punjab	+·034
North-West Frontier Province	+·019
Sind	+·026
Rajputana	+·048
Bombay	+·031
Central India	+·050
Central Provinces	+·056
Hyderabad	+·030
Mysore	+·002
Madras	+·004

TABLE 12.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference. B—A.
	″		″	″
Quetta	+·014	Jacobabad	+·016	+·002
Leh	—·001	Lahore	+·027	+·028
Murree	+·002	Peshawar	+·027	+·025
Simla	+·024	Ludhiana	+·031	+·007
Chakrata	+·029	Roorkee	+·035	+·006
Darjeeling	—·021	Jalpaiguri	+·031	+·052
Mount Abu	+·026	Deesa	+·043	+·017
Pachmarhi	+·073	Khandwa	+·052	—·021
Kodaikanal	—·013	Madura	+·002	+·015

Temperature.

11. In Assam, upper Sind, Rajputana West, the North-West Frontier Province and the adjacent districts of the Punjab the mean temperature was from 2° to 5° below the average; the deficiency was exhibited largely in the day temperature which was as much as 6½° lower than usual in the North-West Fronter Province. Over the rest of the plains of India the temperature was about normal, the departures, except at few individal stations, nowhere amounting to 2°.

In the hill districts of north-westIndia the departures of temperature were of the same character and magnitude as in the adjacent plains. This is a indication that no abnormal snowfall action was preset during the month.

TABLE 13.

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.
	°	°	°	°	°	°	°	°
Bay Islands	85·8	77·9	81·9	7·9	15·6	+1·2	+0·2	+1·0
Lower Burma	86·0	75·4	80·7	10·6	18·4	+1·6	+0·3	+1·3

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.
	°	°	°	°	°	°	°	°
3. Upper Burma	88·9	75·0	81·9	13·8	25·3	—0·7	—0·6	—0·1
4. Assam	86·0	76·5	81·2	9·5	18·3	—3·1	—1·0	—2·1
5. Eastern Bengal	86·9	77·0	82·0	9·9	19·0	—0·8	—1·2	+0·4
6. Bengal	89·5	78·3	83·9	11·2	20·2	+0·2	—0·6	+0·8
7. Orissa	88·4	77·8	83·1	10·6	22·7	+0·5	—0·5	+1·0
8. Chota Nagpur	87·9	75·5	81·7	12·4	21·3	+0·1	—0·4	+0·5
9. Bihar	89·8	78·4	84·1	11·4	22·2	—1·3	—1·0	—0·3
10. United Provinces, East	92·6	78·6	85·6	14·0	25·5	+0·9	—0·7	+1·6
11. Do. do., West	92·5	78·4	85·5	14·1	25·8	+1·2	0	+1·2
12. Punjab, East and North	95·4	79·0	87·2	16·4	28·5	—1·6	—0·7	—0·9
13. Do., Southwest	100·9	82·7	91·8	18·1	32·7	—2·8	—0·5	—2·3
14. Kashmir	80·2	56·6	68·4	23·6	37·9	—0·2	0	—0·2
15. North-West Frontier Province	96·5	79·6	88·1	16·9	30·8	—6·6	—1·3	—5·3
16. Baluchistan	99·4	72·6	86·0	26·8	39·8	—1·3	—1·9	+0·6
17. Sind	95·5	81·2	88·3	14·3	31·1	—2·8	—0·3	—2·5
18. Rajputana, West	95·1	79·2	87·1	15·9	28·1	—2·3	—1·9	—0·4
19. Do., East	90·7	76·9	83·8	13·7	25·6	—2·2	—1·4	—0·8
20. Gujarat	88·5	77·4	83·0	11·0	20·5	—1·0	—0·6	—0·4
21. Central India, West	83·9	71·5	77·7	12·4	23·0	—0·6	—1·1	+0·5
22. Do., East	91·5	79·0	85·3	12·5	25·7	+2·8	+1·5	+1·3
23. Berar	88·1	72·9	80·5	15·3	24·7	+1·5	+0·1	+1·4
24. Central Provinces, West	87·3	73·8	80·5	13·5	25·9	+1·1	—0·7	+1·8
25. Do., East	86·5	73·9	80·2	12·6	25·7	+0·7	0	+0·7
26. Konkan	84·1	76·6	80·3	7·5	13·6	+0·6	+0·5	+0·1
27. Bombay Deccan	85·9	70·3	78·1	15·7	24·8	+1·6	—0·4	+2·0
28. Hyderabad, North	87·6	70·4	79·0	17·3	26·9	+0·7	—0·1	+0·8
29. Do., South	90·1	74·2	82·1	15·9	26·4	+1·1	+1·0	+0·1
30. Mysore	81·9	66·7	74·3	15·3	24·6	+1·1	+0·2	+0·9
31. Malabar	83·1	73·5	78·3	9·6	16·8	+0·1	—0·5	+0·6
32. Madras, Southeast	93·0	76·0	84·5	17·0	27·9	—1·3	—0·7	—0·6
33. Do. Deccan	93·1	75·6	84·3	17·5	29·5	+0·6	—0·2	+0·8
34. Do. Coast, North	89·9	78·3	84·1	11·6	23·9	—1·3	—0·9	—0·4

TABLE 14

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

Winds.

12. (*a*) The air movement was on the whole almost equal to the average strength in the field of the Bay current, and appreciably weaker than usual in the region usually served by the Arabian Sea current. The steadiness was low in Burma and high over the greater part of north-west India.

(*b*) Owing to the northward displacement of the trough of low pressure the westerly current extended unusually far north over the United Provinces, and the easterly or Bay current blew more directly from the south than usual in most parts of north-east India. At Darjeeling the mean direction of the wind was north-westerly and not easterly as is usually the case.

(*c*) As ordinarily happens when pressure is excessive over the head of the peninsula, the direction of the air movement over the Deccan, Mysore and the Konkan and Malabar coasts was more westerly than usual, and in some places contained an undue northerly component.

TABLE 15.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	—0·5	—18
Eastern Bengal and Assam	—0·7	— 5
Bengal	—0·3	— 2
United Provinces	+0·6	+ 4
Punjab	0	+ 5
North-West Frontier Province	—1·6	+ 9
Sind	—1·4	— 9
Rajputana	+1·7	+ 9
Bombay	—2·1	— 6
Central India	—1·1	+ 8
Central Provinces	—0·8	— 2
Hyderabad	—5·5	—13
Mysore	—0·7	—15
Madras	—0·5	— 6

Humidity and cloud.

13. With the exception of the mid-Madras coast, upper Sind, the North-West Frontier Province and the adjacent portion of the Punjab, where the air was somewhat damper than usual according to either estimation, the humidity, both absolute and relative, was about equal to the average throughout the country.

Skies were clouded to more than the usual extent in Baluchistan, the North-West Frontier Province, the west Punjab, lower Sind, Rajputana, north Bihar, the interior of Burma and locally at a few stations elsewhere, but in other parts of the country the cloud proportion was below the average. The departures were in the majority of cases small in magnitude.

TABLE 16.

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	·863	−·013	7·6	−0·4
Eastern Bengal and Assam	90	−1	·928	−·036	8·1	−0·1
Bengal	85	−2	·909	−·028	7·7	−0·1
United Provinces	78	−5	·879	−·038	6·4	−0·7
Punjab	72	+1	·858	−·011	3·9	−0·6
North-West Frontier Province.	73	+7	·890	+·035	3·7	+0·9
Sind	75	+3	·899	+·007	5·6	+0·3
Rajputana	75	+2	·794	−·040	6·7	+0·7
Bombay	82	−1	·818	−·021	7·1	−1·1
Central India	79	−4	·789	−·043	7·9	+0·5
Central Provinces	80	−5	·761	−·039	6·7	−1·1
Hyderabad	74	−3	·695	−·039	6·8	−0·9
Mysore	85	+1	·641	+·008	8·4	−0·2
Madras	78	+3	·812	+·014	6·8	−0·6

Rainfall.

14. As measured by the amount of rainfall produced during the month, both branches of the monsoon were weaker than usual, particularly during the period from the 8th to the 20th when little or no precipitation was recorded in regions outside Burma, Bengal and the districts at the foot of the Himalayas.

In consequence the total precipitation of the month in the plains of India was 16 per cent. short of the normal. The geographical distribution also was not satisfactory. Thus in Assam, Eastern Bengal, Bengal, Orissa, the North-West Frontier Province, Baluchistan, Sind, Mysore and Madras excluding Malabar the rainfall of the month was more o less excessive; but throughout the rest of the country th quantity received was deficient, especially so in Lowe Burma, the Malabar, Konkan, the Central Provinces West Central India East, Rajputana and the United Provinces which obtained less than two-thirds of their proper supply

In the North-West Frontier Province, Sind and Baluchistan on the one hand and in Madras Southeast and the Madras Deccan on the other the rainfall was abnormally heavy.

TABLE 17.

SUB-DIVISION.	NUMBER OF RAINY DAYS.		RAINFALL			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
1. Bay Islands	14·5	20·9	10·25	14·83	−4·58	−31
2. Lower Burma	18·6	25·3	18·30	29·71	−11·41	−38
3. Upper do.	9·7	9·8	6·24	6·76	−0·52	−8
4. Assam	22·3	19·2	23·74	18·05	+5·69	+ 32
5. Eastern Bengal	21·4	17·7	24·35	17·71	+6·64	+ 37
6. Bengal	16·1	16·0	13·82	12·24	+1·58	+ 13
7. Orissa	14·2	15·0	13·18	12·53	+0·65	+ 5
8. Chota Nagpur	14·0	16·6	9·77	14·09	−4·32	− 31
9. Bihar	15·3	14·5	12·73	13·05	−0·32	− 2
10. United Provinces, East	10·1	12·7	7·74	11·96	−4·22	− 35
11. Do., West	9·0	11·9	7·55	12·28	−4·73	− 39
12. Punjab, East and North	7·2	6·9	5·67	6·70	−1·03	− 15
13. Do., Southwest	3·0	2·9	2·03	2·43	−0·40	− 16

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
14. Kashmir	5·6	5·4	3·66	4·25	−0·59	−14
15. North-West Frontier Province	6·2	4·0	5·84	3·09	+2·75	+89
16. Baluchistan	2·4	1·5	2·00	0·87	+1·13	+130
17. Sind	3·4	2·7	5·66	2·40	+3·26	+136
18. Rajputana, West	4·1	4·7	2·31	3·88	−1·57	−40
19. Do., East	6·4	9·4	4·12	7·92	−3·80	−48
20. Gujarat	11·1	13·1	10·88	13·82	−2·94	−21
21. Central India, West	8·5	12·6	7·35	9·62	−2·27	−24
22. Do., East	7·8	14·1	5·60	13·58	−7·98	−59
23. Berar	9·0	12·0	7·25	9·12	−1·87	−21
24. Central Provinces, West	10·2	15·3	9·40	14·40	−5·00	−35
25. Do., East	13·6	16·7	13·40	16·66	−3·26	−20
26. Konkan	16·5	26·6	17·29	40·60	−23·31	−57
27. Bombay Deccan	8·2	11·6	6·63	7·99	−1·36	−17
28. Hyderabad, North	9·7	12·3	7·27	8·39	−1·12	−13
29. Do., South	8·5	10·2	4·12	5·73	−1·61	−28
30. Mysore	11·9	9·4	9·72	7·09	+2·63	+37
31. Malabar	18·0	27·5	22·29	39·25	−16·96	−43
32. Madras, Southeast	8·0	3·7	5·82	2·07	+3·75	+181
33. Do. Deccan	7·6	5·9	6·00	2·94	+3·06	+104
34. Do. Coast, North	11·4	9·8	9·09	6·40	+2·69	+42

TABLE 18.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	11·76	17·26	−5·50	−32
Eastern Bengal and Assam	24·04	17·88	+6·16	+34
Bengal	12·77	12·86	−0·09	−1
United Provinces	7·65	12·11	−4·46	−37
Punjab	4·93	5·83	−0·90	−15
North-West Frontier Province	5·84	3·09	+2·75	+89
Sind	5·66	2·40	+3·26	+136

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Rajputana	3·56	6·82	−3·26	−48
Bombay	9·94	15·80	−5·86	−37
Central India	6·70	10·99	−4·29	−39
Central Provinces	9·42	12·75	−3·33	−26
Hyderabad	5·55	6·94	−1·39	−20
Mysore	9·72	7·09	+2·63	+37
Madras	8·31	6·84	+1·47	+21
Mean of India	9·37	11·13	−1·76	−16

Snowfall.

I.—AFGHANISTAN.

15. No snow fell, and by the end of the month even the summits of the mountains had become clear of snow.

II.—NORTH-WEST FRONTIER PROVINCE.

(*a*) *Kurram.*—No snow fell, and the accumulations on the higher hills had by the end of the month become reduced to the usual depth.

(*b*) *Chitral.*—There was no snowfall and the winter accumulations had melted away from all the hills with the exception of Tirachmir which is over 20,000 feet high.

(*c*) *Khyber.*—No snow fell.

(*d*) *Hazara.*—In the Kagan valley snow lay as low as 8,000 feet up to the end of the month.

III.—KASHMIR.

Light snow is reported to have fallen on three occasions on the higher ranges near Skardu. At the end of the month on the high passes near Dras the unmelted residue of the winter accumulations measured only about half a foot in depth. Captain Oliver returning to Leh from Yarkand reported that on the Karakorum and other ranges the snow was heavier than in other years.

IV.—PUNJAB.

(*a*) *Chamba.*—No snow storms occurred. At the end of the month 1½ to 2 feet of snow remained unmelted on the Sach, Chini and Drati passes.

(*b*) *Kangra.*—No snow fell, and the snowline was on the whole at a higher level than usual at the end of July.

(*c*) *Kilba* (Simla Hills).—No snow fell on the passes near Kilba which were hence quite bare of snow.

V.—UNITED PROVINCES.

(*a*) *Garhwal.*—The snowfall during the month was very light and the accumulations still remaining unmelted were of less than the average depth.

(*b*) *Almora.*—The total fall received during June and July amounted to 11 feet on the Nuwe pass, 10 feet on the Untadhura, 6 feet on the Lipulekh and 2 feet on the Pindari, Kaphini and Binkaru. The accumulations did not exceed the average, nor was the snowline lower than usual.

VI.—SIKKIM.

No snowfall occurred.

SUMMARY.

16. So far as can be ascertained from the available information the snowfall conditions of the month were in no way unusual.

HEM RAJ.

TABLE A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 34 stations in India, etc., in July, 1910.

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. Mean of 10 hrs.	Pressure. Mean of 16 hrs.	Pressure. Mean daily range.	Pressure. Mean of daily mean pressures.	Pressure. Departure from normal.	Pressure. Mean reduced to sea-level and gravity, 45° Lat.	Temperature of air. Mean maximum.	Temperature of air. Mean minimum.	Temperature of air. Mean daily range.	Temperature of air. Highest maximum.	Temperature of air. Lowest minimum.	Temperature of air. Absolute range.	Temperature of air. Mean 10 hrs.	Temperature of air. Mean 16 hrs.	Temperature of air. Mean of daily means.	Temperature of air. Departure from normal.	Temperature, Wet-bulb. Mean minimum.	Temperature, Wet-bulb. Mean 10 hrs.	Temperature, Wet-bulb. Mean 16 hrs.	Temperature, Wet-bulb. 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	18	29·815	29·735	·080	29·778	+·028	29·734	86·4	76·7	9·7	90·3	72·7	17·6	82·6	83·3	79·7	+0·9	74·5	77·9	77·3	76·6
	III.—Bengal.																					
6	Calcutta	21	·642	·550	·092	·602	+·062	·568	89·8	78·5	11·3	94·8	74·8	20·0	85·5	86·1	83·8	+0·8	76·6	80·4	80·4	79·1
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad	309	·310	·207	·103	·262	+·057	·520	93·9	79·6	14·3	101·4	75·5	25·9	87·9	90·6	85·8	+1·3	75·5	77·9	78·5	77·3
11	Dehra Dun	2,233	27·395	27·324	·071	27·356	—·004	·521	83·7	73·3	10·4	89·3	70·4	18·9	78·5	79·7	77·4	−1·3	71·7	74·7	75·5	74·1
	V.—Punjab.																					
12	Lahore	702	28·845	28·759	·086	28·798	+·030	·148	98·6	81·1	17·5	103·6	74·8	28·8	90·6	95·6	89·0	−0·1	76·7	80·5	81·7	79·1
	VIII.—Rajputana																					
19	Jaipur	1,431	·209	·118	·091	·162	+·047	·520	94·8	77·3	17·5	103·2	72·1	31·1	86·6	91·5	84·8	+0·1	73·5	76·3	77·2	75·6
	Udaipur	1,925	27·753	27·680	·073	27·716		·569	84·6	73·8	10·8	90·1	69·5	20·6	80·7	82·9	78·1		71·0	74·7	75·9	74·1
	IX.—Bombay.																					
26	Bombay	37	29·740	29·674	·066	29·706	+·034	·683	85·6	78·8	6·8	89·1	76·4	12·7	82·9	83·7	80·7	+1·2	75·8	78·0	78·4	77·1
	XI.—Central Provinces.																					
24	Nagpur	1,017	28·677	28·580	·097	28·631	+·057	·598	88·1	74·7	13·4	95·7	68·0	27·7	82·2	84·8	80·3	−0·1	72·1	75·3	75·8	74·1
	XII.—Hyderabad.																					
29	Hyderabad	1,690	·062	27·962	·100	·017	+·021	·631	89·0	74·0	15·0	95·8	71·6	24·2	81·4	86·3	79·9	+2·0	69·6	72·6	73·7	72·0
	XIII.—Mysore.																					
30	Bangalore	3,021	26·859	26·768	·091	26·821	−·007	·716	83·0	66·7	16·3	89·5	64·6	24·9	75·6	79·8	73·0	+1·0	65·2	68·7	69·6	67·8
	Mysore	2,518	27·360	27·264	·096	27·320	—·014	·747	82·4	67·1	15·3	88·1	64·5	23·6	76·5	79·3	72·9	0	65·6	69·5	70·1	68·1
	XIV.—Madras.																					
32	Pudukkottai	318	29·489	29·372	·117	29·431		·675	94·4	76·2	18·2	101·6	70·8	30·8	89·6	91·6	85·3		73·4	79·0	82·2	78·1
	Madras	22	·763	650	·113	·718	0	·671	94·0	78·1	15·9	102·4	73·9	28·5	87·7	89·1	84·6	−1·1	74·7	78·0	79·4	77·4
	Bay Islands.																					
1	Port Blair	58	·789	·708	·081	·753	+·008	·740	86·7	77·6	9·1	91·2	73·4	17·8	83·5	84·5	80·6	+0·7	74·9	78·2	78·3	77·1
	Kashmir.																					
14	Srinagar	5,204	24·670	24·603	·067	24·633	+·003	24·603	85·3	65·2	20·1	91·0	58·8	32·2	75·1	83·0	73·4	+0·4	61·7	70·3	76·1	69·1
	Leh	11,503	19·635	19·526	·109	19·585	−·008	19·553	77·0	51·0	26·0	83·1	45·2	37·9	65·8	72·5	62·2	−0·4	45·28	54·0	55·8	51·7
	Baluchistan.																					
16	Quetta	5,502	24·436	24·367	·069	24·399	+·008	24·360	92·3	62·9	29·4	97·5	54·5	43·0	84·0	90·1	77·2	−1·1	58·0	62·9	63·1	61·3

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.

§ Mean of 25 days.

stations in India, etc., in July, 1910.

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.
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	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.	
·894	·848	·870	−·032	90	80	75	85	− 8	7·5	8·5	8·0	−1·1	16	3	2	2	5	18	10	4	2	S 14° W	S 36° W	37	75	41	122	14·16	3·15	Rangoon.	2
																														III.—Bengal.	
·972	·963	·943	−·028	92	80	76	84	− 3	7·9	8·7	8·3	−0·3			2	7	10	10	28	4	1	S 15° W	S 1° W	58	63	146*	120	11·14	1·66	Calcutta	6
																														IV.—United Provinces of Agra and Oudh.	
·823	·813	·834	−·111	82	63	58	70	−10	8·7	8·7	8·7	+0·6	7	2	5	6	1	1	7	29	4	N 86° W	N 75° E	43	6	139	175	6·10	2·23	Allahabad.	10
[illegible]	·831	·826	+·005	92	83	88	89	+ 3	8·7	8·7	8·7	+1·2	4	2	5	3	11	11	9	9	8	S 27° W	S 12° W	24	14	34*	26	34·55	5·42	Dehra Dun.	11
																														V.—Punjab.	
·909	·89[illegible]	·907	+·041	81	64	54	67	+ 2	2·5	3·6	3·1	−1·2	6	2	6	3	20	7	2	4	12	S 44° E	S 78° E	18	30	79	82	3·21	1·86	Lahore.	12
																														VIII.—Rajputana.	
·779	·762	·782	−·052	83	62	54	68	− 8	7·6	7·5	7·5	+0·1	1	2	3	3	2	2	9	28	12	N 86° W	N 78° W	60	30	186*	130	2·78	1·34	Jaipur.	19
·786	·808	·776		87	75	72	78		8·2	7·4	7·8		2	1	3	2	1	6	26	20	1	S 58° W		64		119		5·39	1·80	Udaipur.	
																														IX.—Bombay.	
·888	·898	·893	−·028	87	79	78	82	− 5	7·8	7·6	7·7	−1·0					1	2	15	42	2	S 73° W	S 75° W	89	83	281*	466	6·50	1·94	Bombay.	26
																														XI.—Central Provinces.	
·788	·780	·788	−·039	88	73	67	78	− 4	6·1	7·6	6·9	−2·0	7	2	3	1	3	10	11	21	4	S 64° W	S 89° W	47	69	122	209	12·88	3·21	Nagpur.	24
																														XII.—Hyderabad.	
·689	·668	·685	−·038	80	65	55	69	− 5	6·5	8·3	7·4	−0·6	17		1		1			36	7	N 83° W	N 85° W	64	86	114	238	3·48	1·34	Hyderabad	29
																														XIII.—Mysore.	
·625	·607	·611	+·004	92	74	61	77	0	8·0	8·2	8·1			5		1		4	12	31	9	S 88° W	S 72° W	71	88	229	230	10·44	3·96	Bangalore.	30
·635	·623	·623	+·006	92	70	64	76	0	8·5	9·1	8·8	−0·4		2	3	1		2	19	29	6	S 81° W	S 78° W	71	91	230	346	6·66	1·31	Mysore.	
																														XIV.—Madras.	
·890	·979	·885		88	71	66	75		5·6	8·2	7·4		1	2			2	2	14	20	21	N 85° W		71		229		4·32	1·21	Pudukkottai.	32
·833	·873	·857	−·045	85	64	65	72	+ 4	5·9	5·8	5·9	−1·4		4	2	4	11	1	9	19	12	S 87° W	S 51° W	33	66	165*	190	7·65	4·58	Madras.	
																														Bay Islands.	
·892	·884	·883	−·034	88	78	75	81	− 5	7·0	7·2	7·1	−1·0	5				19	6	13	17	2	S 27° W	S 48° W	50	86	223	278	10·41	2·43	Port Blair.	1
																														Kashmir.	
·692	·844	·629	−·010	82	79	74	78†	− 4	4·3	5·0	4·7	+0·7	17	6	2		12	5	1	3	16	N 48° W	N 48° W	11	15	53	94	1·15	0·40	Srinagar.	14
·314	·299	·281	+·031	69	50	38	52	+ 6	4·9	5·5	5·2	−0·1		3	2	1	4	21	19	9	3	S 32° W	S 75° W	58	39	89	50	0·48	0·14	Leh.	
																														Baluchistan.	
·354	·292	·366	−·062	75	22	23	43	− 2	1·9	3·2	2·5	+0·8	26		1		3	1	9		22	N 70° W	S 84° W	32	29	63	79	0·32	0·26	Quetta.	16

* Uncorrected for scale error. † Mean of three previous columns.

T

Abstract of observations taken at 10 hrs. and 16 hr

Number of subdivision.	Station.	Elevation of bar-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 sea-level 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-bulb. 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 . . .	7,232	23·007	22·965	·042	22·984	+·026	22·946	66·3	53·1	7·2	69·8	57·1	12·7	63·1	64·7	62·3	−2·0	58·3	61·2	62·5
	Sarain . .		·027	·987	·040	23·003		·965	71·4	58·9	12·5	76·0	54·3	21·7	65·3	68·7	64·8			61·2	62·8
	Kalabagh . .		20·079	20·052	·027	20·061		20·024	55·7	47·6	8·1	59·6	43·9	15·7	51·7	53·3	51·2			50·6	51·7
	Chakrata . .	7,022	23·186	23·147	·039	23·161	+·037	23·121	68·5	59·8	8·7	73·3	57·2	16·1	65·0	64·6	63·7	−1·0	59·3	63·6	63·8
	Muktesar . .	7,592	22·732	22·681	·051	22·704		22·662	66·9	56·3	10·6	72·5	54·2	18·3	61·9	63·5	61·2		55·9	60·7	61·9
	Katmandu . .	4,388	25·462	25·384	·078	25·421	+·031†	25·375	80·5	68·0	12·5	86·6	64·1	22·5	74·7	77·3	73·9	−1·2†	66·2	69·8	71·5
	Darjiling . .	7,376	22·902	22·848	·054	22·873	−·023	22·828	65·8	57·8	8·0	70·7	55·4	15·3	62·8	63·0	61·4	−0·1	57·6	61·7	61·6
	Pachmarhi .	3,528	26·290	26·213	·077	26·252	+·052	26·199	77·6	67·6	10·0	82·4	60·8	21·6	71·7	75·4	72·2	+0·7	65·3	68·7	69·9
	Mount Abu . .	3,945	25·852	25·799	·053	25·825	+·021	25·775	72·3	64·7	7·6	78·0	60·8	17·2	68·1	70·9	68·1	−1·7	61·5	66·9	68·7
	Chikalda . .	3,642	26·184	26·086	·098	26·135	+·029	26·079	76·3	66·5	9·8	81·7	63·9	17·8	71·8	75·2	71·0	+1·3	64·0	67·3	70·0
	Ootacamund .	*7,327*	23·001	22·941	·060	22·970		22·906	62·5	51·4	11·1	67·1	47·0	20·1	59·7	58·1	56·6		50·8	56·4	56·2
	Kodaikanal . .	7,688	22·766	·708	·058	·737		·672	62·2	52·2	10·0	68·2	48·1	20·1	59·3	57·3	57·2		50·3	56·1	55·6
	Dodabetta . .	8,539	21·997	21·939	·058	21·967		21·904	57·6	48·8	8·8	63·5	45·9	17·6	55·0	53·2	52·8		47·1	52·9	52·2
	Extra India.																				
	Minicoy . .	7	29·907	29·864	·043	29·892															
	Zanzibar . .	72	30·094	30·002	·092	30·055	−·012	30·054	79·8	72·0	7·8	81·5	70·2	11·3	75·7	78·8	75·8	−0·6	7·0	71·4	70·3
	Diego Garcia .								Observations not received.												
	Seychelles . .	15	29·993	29·918	·075	29·956	−·037†	29·895	80·5	75·7	4·8	82·1	74·4	7·7	78·2	79·2	76·8	+0·4†	69·3	72·6	73·2
	Mauritius . .	181							Observations not received.												

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

concluded.

tations in India, etc., in July, 1910—concluded.

OUR TENSION, IN INCHES OF MERCURY.				HUMIDITY.					CLOUD.				WIND DIRECTION.											WIND STRADDLENESS.		WIND VELOCITY		RAINFALL.		STATION.	Number of subdivision.
													Total number of 10 hrs. and 16 hrs. winds from																		
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	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.	
·517	·538	·516	—·014	96	90	89	92	+ 4	9·6	9·8	9·7	+0·9																26·88	2·88	Simla.	
·500	·510				80	73			8·9‡	7·8‡	8·3		22		5	1		11	20	3		S 31° W		40		38		9·10	1·43	Sarain.	
·361	·372				94	91			10·0	9·4	9·7		10	7			22	7	6		10	S 19° E		21		229		14·76	1·88	Kalabagh.	
·571	·583	·554	+·028	97	93	96	95	+ 6	8·8	9·5	9·1	+0·8	19				6	36	1			S 5° E	S 66° W	66	42	77	149	23·24	2·82	Chakrata.	
·518	·535	·503		98	94	92	95		9·2	9·2	9·2		17			4		3	4	34		S 80° W		53		191		17·17	3·04	Muktesar.	
·671	·700	·667	—·026	90	79	76	82	+ 1	8·3	8·4	8·3	+1·5	5		2	30		1		24		N 87° E	S 63° W	11	11	21*	21	22·47	3·89	Katmandu.	
·539	·533	·519	—·005	98	94	93	95	0	9·9	9·7	9·8	+0·8	32	3	4		4		7	11	1	S 85° W	S 75° E	18	32	50	86	41·47	5·51	Darjiling.	
·671	·669	·655	—·031	88	87	77	84	— 5	4·4	4·6	4·5	—4·6	5		1				21	24	11	S 82° W	N 87° W	74	75	245	259	18·42	5·69	Pachmarhi.	
·648	·677	·623	—·030	84	94	90	89	+ 1	9·3	9·0	9·1	+0·6		3			2	5	47	2	3	S 46° W	S 51° W	81	68	360	276	21·05	3·82	Mount Abu.	
·618	·671	·629	—·037	87	80	78	82	— 9	6·1	6·1	6·1	—2·8																21·00	6·38	Chikalda.	
·422	·431	·403		96	83	89	89		9·0	9·7	9·3		5	3	3	7	8	1	12	20	3	S 64° W		29		146		12·95	2·77	Ootacamund.	
·422	·427	·399		89	84	90	88		7·8	9·3	8·5		1	8	3	2	7	4		18	19	N 57° W		43		353		10·94	1·22	Kodaikanal.	
·382	·384	·355		88	88	94	90		9·2	10·0	9·6		5	8	8	3	4	1	6	18	9	N 55° W		37		329		13·70	2·65	Dodabetta.	
																														Extra India.	
									6·0	6·2	6·1			1					1	31	29	N 68° W		90		285		6·11	1·31	Minicoy.	
·711	·628	·666	—·051	76	80	64	72	— 5	6·2	6·1	6·1	+0·9	2				15	31	13	1		S 1° E	S 6° E	81	83	189	197	3·30	0·73	Zanzibar.	
									Observations not received.																					Diego Garcia.	
·728	·740	·715	—·036	71	75	74	74	— 4	6·8	6·6	6·7	†+1·1					34	26	2			S 24° E	S 33° E	90	86	310*	289	1·68	0·76	Seychelles.	
									Observations not received.																					Mauritius.	

* Uncorrected for scale error. ‡ Mean of 30 days. † Departure from old normal.

Table B.—Abstract of observations taken at 8 hrs. at 239 stations in India, etc., in July, 1910.

(1) Provincial means.

(2) Data of stations.

) Provincial means based on the material in Table B (2) except that the statement of rainfall depends on the complete data of about 2,000 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.
rma	+·034	87·3	+0·6	75·2	−0·1	81·3	+0·2	12·1	21·6	−0·5	−18	88	− 1	·863	−·013	7·6	−0·4	11·76	17·26	−5·50
stern Bengal and Assam	+·048	86·6	−1·5	76·9	−1·1	81·8	−1·3	9·7	18·8	−0·7	− 5	90	− 1	·928	−·036	8·1	−0·1	24·04	17·88	+6·16
ngal	+·058	89·2	−0·1	77·8	−0·6	83·5	−0·4	11·4	21·6	−0·3	− 2	85	− 2	·909	−·028	7·7	−0·1	12·77	12·86	−0·09
ited Provinces of Agra and Oudh.	+·038	92·6	+1·1	78·5	−0·3	85·5	+0·4	14·0	25·6	+0·6	+ 4	78	− 5	·879	−·038	6·4	−0·7	7·65	12·11	−4·46
njab	+·034	96·9	−1·9	80·0	−0·6	88·5	−1·3	16·8	29·6	0	+ 5	72	+ 1	·858	−·011	3·9	−0·6	4·93	5·83	−0·90
rth-West Frontier Province	+·019	96·5	−6·6	79·6	−1·3	88·1	−4·0	16·9	30·8	−1·6	+ 9	73	+ 7	·890	+·035	3·7	+0·9	5·84	3·09	+2·75
d	+·026	95·5	−2·8	81·2	−0·3	88·3	−1·5	14·3	31·1	−1·4	− 9	75	+ 3	·899	+·007	5·6	+0·3	5·66	2·40	+3·26
jputana	+·048	91·9	−2·2	77·6	−1·5	84·8	−1·9	14·3	26·3	+1·7	+ 9	75	+ 2	·794	−·040	6·7	+0·7	3·56	6·82	−3·26
mbay	+·031	86·6	+0·4	75·1	−0·2	80·9	+0·1	11·5	20·0	−2·1	− 6	82	− 1	·818	−·021	7·1	−1·1	9·94	15·80	−5·86
ntral India	+·050	88·9	+1·7	76·5	+0·6	82·7	+1·1	12·4	24·8	−1·1	+ 8	79	− 4	·789	−·043	7·9	+0·5	6·70	10·99	−4·29
ntral Provinces	+·056	87·2	+1·1	73·6	−0·4	80·4	+0·4	13·6	25·5	−0·8	− 2	80	− 5	·761	−·039	6·7	−1·1	9·42	12·75	−3·33
derabad	+·030	89·0	+0·9	72·5	+0·6	80·8	+0·8	16·5	26·6	−5·5	−13	74	− 3	·695	−·039	6·8	−0·9	5·55	6·94	−1·39
sore	+·002	81·9	+1·1	66·7	+0·2	74·3	+0·6	15·3	24·6	−0·7	−15	85	+ 1	·641	+·008	8·4	−0·2	9·72	7·09	+2·63
dras	+·004	90·6	−0·7	76·1	−0·6	83·4	−0·7	14·5	25·3	−0·5	− 6	78	+ 3	·812	+·014	6·8	−0·6	8·31	6·84	+1·47

Table

(2) Abstract of observations taken at 8 hrs. at 23

Number of subdivision.	Station.	Elevation of barometer 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
	I.—Burma.																						
2	Victoria Point	123	29·736		29·785	29·831	8th	29·664	19th	·167													
	Mergui	65	29·811	+·004	29·807	29·894	9th	29·735	25th	·159	79·6	88·2	+3·7	73·8	+1·3	81·0	+2·5	14·4	92·4	22nd	71·9	1st & 31st	20·5
	Tavoy	19	29·850	+·004	29·801	29·935	9th	29·738	2nd	·197	77·8	85·4	+2·1	74·8	+0·7	80·1	+1·4	10·6	90·0	23rd	71·8	3rd	18·2
	Moulmein	94	29·758	+·040	29·790	29·875	22nd	29·604	2nd	·271	77·8	85·4	+2·4	74·7	+0·5	80·0	+1·5	10·7	90·5	24th	71·8	4th	18·7
	Rangoon	18	29·809	+·030	29·765	29·953	22nd	29·605	2nd	·348	79·7	86·3	+1·0	76·7	+0·9	81·5	+0·9	9·6	90·1	13th, 19th & 24th.	72·9	4th	17·2
	Bassein	27?	29·800	+·053	29·765	29·939	22nd	29·553	2nd	·386	79·4	86·6	+1·9	76·3	+0·5	81·5	+1·2	10·3	90·2	5 days	72·9	3rd & 4th	17·2
	Diamond Island	41	29·772	+·026	29·748	29·916	22nd	29·522	2nd	·394	81·7	85·2	+0·9	75·4	−0·2	80·3	+0·3	9·8	87·4	5 days	70·2	3rd & 28th.	17·2
	Toungoo	164	29·648	+·039	29·754	29·790	22nd	29·418	2nd	·372	79·3	87·3	+0·6	74·4	−0·7	80·9	−0·1	12·9	92·5	14th	70·8	25th, 26th & 27th.	21·7
	Kyaukpyu	18	29·756		29·714	29·913	22nd	29·404	2nd	·509	79·5	84·9		75·9		80·4		9·0	89·0	2nd & 29th.	71·4	27th	17·6
	Akyab	20	29·741	+·052	29·701	29·894	22nd	29·387	2nd	·507	78·9	84·7	0	76·5†	−1·0†	80·6†	−0·5	8·2	89·9	3rd	73·0	26th & 27th.	16·9
3	Thayetmyo	121	29·655	+·036	29·718	29·808	22nd	29·386	2nd	·422	80·0	89·5	+0·6	76·1	−0·2	82·8	+0·2	13·4	96·5	19th	71·9	26th	24·6
	Minbu	*165*	29·587?	+·033?	29·696?	29·723	22nd	29·405	1st	·318	79·5	92·6	+1·3	76·6	−0·6	84·6	+0·2	16·0	98·8	7th	72·0	26th	26·8
	Yamethin	657	29·104	+·018?	29·716	29·242	22nd	28·931	1st	·311	77·5	88·3	−1·7	73·7	−0·9	81·0	−1·3	14·6	93·8	7th, 13th & 14th.	66·0	27th	27·8
	Mandalay	250	29·509	+·050	29·709	29·661	22nd	29·291	2nd	·370	81·1	93·6	−0·6	77·5	−0·9	85·5	−0·7	16·1	105·0	13th	72·1	27th	32·9
	Monywa	*280*	29·473		29·692	29·626	22nd	29·254	2nd	·372	81·4	94·1		78·5		86·3		15·6	101·8	13th	73·6	26th	21·2
	Lashio	*2,820*	26·974	−·005?	26·920	27·109	22nd	26·805	2nd	·304	72·6	80·8	−2·8	69·4	+0·1	75·1	−1·3	11·4	86·3	16th	66·0	25th, 26th & 27th.	20·3
	Bhamo	*381*	29·347	+·039	29·685	29·484	27th	29·148	2nd	·336	77·4	86·5	−1·3	74·2	−0·9	80·3	−1·1	12·3	92·4	3rd, 12th & 13th.	71·6	30th	20·6
	Myitkyina	458	29·242		29·660	29·385	27th	29·065	2nd	·318	77·3	85·4		74·1		79·7		11·3	92·2	7th	71·5	30th	20·7
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	353	29·321		29·634	29·476	22nd	29·146	2nd	·330	77·7	84·3		74·5		79·4		9·8	91·4	2nd & 3rd.	70·1	14th & 30th.	21·3
	Sibsagar	333	29·349	+·017	29·639	29·491	22nd	29·156	2nd	·338	79·3	86·4	−3·6	76·5	−1·4	81·4	−2·5	9·9	90·6	3rd, 6th & 7th.	74·0	28th & 29th.	16·6
	Tezpur	252	29·426		29·637	29·586	22nd	29·236	3rd	·350	78·2	86·8		77·1		81·9		9·7	91·6	3rd, & 7th.	73·9	28th	17·7
	Gauhati	135	29·487		29·657	29·646	22nd	29·255	3rd	·391	80·7	87·8		77·0		82·4		10·8	91·8	4 days	75·1	4 days	16·7
	Dhubri	115	29·596?	+·099?	29·659?	29·673	28th	29·500	25th	·173	79·2	84·1	−1·8	78·0	−0·3	81·1	−1·1	6·1	89·0	2nd	74·7	28th	14·3
	Silchar	104	29·623	+·055	29·680	29·787	22nd	29·327	2nd	·460	78·3	86·4	−3·8	75·8	−1·4	81·1	−2·6	10·6	96·3	3rd	72·8	13th	22·5
5	Cox's Bazar	36	29·697		29·677	29·865	23rd	29·344	2nd	·521													
	Chittagong	87	29·635	+·057	29·670	29·797	22nd	29·297	2nd	·500	78·9	84·9	−0·8	75·2	−1·4	80·1	−1·1	9·7	91·0	3rd	73·0	5 days	18·0
	Noakhali	43	29·669		29·659	29·818	22nd	29·353	3rd	·465	79·6	84·9		77·0		81·0		7·9	89·8	3rd	74·4	5th & 14th,	15·4
	Barisal	12	29·669	+·064	29·627	29·818	22nd	29·335	3rd	·483	81·3	87·3	0	77·1	−1·5	82·2	−0·7	10·2	90·8	1st & 3rd	72·6	15th.	18·2
	Comilla	36	29·662		29·646	29·811	22nd	29·373	2nd	·438	79·7	86·3		76·9		81·6		9·4	93·3	3rd	74·3	5th	19·0
	Narayanganj	26	29·654	+·056	29·628	29·798	22nd	29·366	3rd	·432	81·3	87·4	−0·9	77·8	−1·4	82·6	−1·1	9·6	93·5	3rd	73·8	5th	19·7
	Faridpur	46	29·629		29·625	29·767	22nd	29·330	3rd	·437	81·3	87·2		77·6		82·4		9·6	92·3	3rd & 14th.	72·9	15th	19·9
	Sirajganj	49	29·616†		29·615†	29·770	22nd	29·334	3rd	·436	80·4	85·9†		77·4		81·7†		8·5	91·4	3rd & 14th.	74·8	6th & 18th	16·6
	Mymensingh	63	29·616	+·051	29·631	29·770	22nd	29·344	3rd	·426	81·0	86·4	−0·7	77·1	−1·2	81·8	−0·9	9·3	93·6	3rd	74·1	11th	19·5
	Bogra	75	29·592	+·058	29·619	29·734	22nd	29·333	3rd	·401	82·0	87·8	−1·3	77·6	−0·9	82·7	−1·1	10·2	93·7	8th	75·2	9th, 12th & 18th.	18·5
	Rampur Boalia	70	29·585		29·604	29·718	22nd	29·307	3rd	·411	82·1	88·5		77·3		83·6		11·2	93·1	3rd & 14th.	76·1	5 days	17·4
	Malda	72	29·558		29·582	29·689	22nd	29·299	3rd	·390	81·3	88·2		77·4		82·8		10·8	93·8	14th	71·0	16th	22·8
	Dinajpur	123	29·515	+·043	29·593	29·656	22nd	29·266	3rd	·390	80·3	88·1	−1·0	77·4	−1·5	82·7	−1·3	10·7	93·8	4th	75·0	12th	18·1
	Rangpur	123	29·541		29·618	29·695	22nd	29·295	3rd	·400	80·7	87·6		76·3		82·0		11·3	94·1	4th	73·0	8th & 12th	21·1

† Mean of 30 days.
‡ " " 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 pla te

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Stations in India, etc., in July, 1910.

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 May to 31st July, 1910.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period 1st May to 31st July 1910.	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
																															I.—Burma.
	2	3	1	11	7		1	S 24° E†					49						6·5†												Victoria Point.
			1	4		1		S 42° E	S 70° W	9·2	1·8	+7·4	13	−42	90	−2	·892	+·017	4·7	−2·8	15	25·60	−10·60	13·89	31·51	−12·61	53·88	81·05	−27·17	3·17	Mergui.
					1			S	S 61° W	1·4*	1·6	−0·2	3	−15	90	− 2	·857	−·012	6·2	−2·0	19	28·00	−9·00	26·42	46·83	−20·41	98·98	112·76	−13·78	3·83	Tavoy.
			9	3	5			S 58° E	S 2° E	5·3	3·8	+1·5	43	− 0	92	− 1	·877	+·005	8·9	+0·4	23	28·20	−5·20	38·61	45·96	− 7·32	91·60	101·74	−10·14	6·80	Moulmein.
	2	1	1	8	3			S 6° E	S 45° W	3·5	5·1	−1·6	30	−44	88	− 6	·902	−·011	7·4	−1·6	21	25·70	−4·70	14·16	20·98	−6·82	54·16	49·72	+ 4·44	3·15	Rangoon.
				2	2			S 23° W	S 18° W	4·2†	4·5	−0·3	10	−55	93	− 1	·910	+·021	5·9	−2·9	17	26·80	−9·80	15·24	25·46	−10·22	36·02	59·18	−23·16	2·91	Bassein.
	2	1	2	5	17	4		S 35° W	S 43° W	11·5	10·5	+1·0	69	−12	83	− 3	·906	+·009	6·2	−2·6	14	24·00	−10·00	17·70	25·80	− 8·10	42·42	59·40	−16·98	5·39	Diamond Island.
1			15	9	1		1	S 26° E	S 31° E	3·2	5·2	−2·0	69	−17	93	− 2	·895	−·003	9·7	+0·4	23	25·00	−2·00	16·76	17·89	− 1·13	33·34	38·32	− 4·98	3·33	Toungoo.
	1	1	15	3	7	1		S 19° E		5·3*			62		88		·899		6·0		23			28·93			73·53			4·40	Kyaukpyu.
1		12	5	1	5	2		S 55° E	S 38° E	4·3	3·9	+0·4	40	−15	94	0	·916	−·044	9·7	+0·4	26	27·80	−1·80	31·27	52·62	−21·35	83·63	109·29	−25·66	6·58	Akyab.
			7	15	9			S 3° W	S 7° E	6·6*	6·8	−0·2	86	− 4	84	− 1	·839	−·004	9·2	+1·1	8	15·20	−7·20	2·30	6·87	− 4·57	9·66	17·34	− 7·68	0·50	Thayetmyo.
			26	5				S 33° E	S 39° E	5·8	12·3	−6·5	96	+ 4	82	− 1	·819	−·054	8·4	+2·0	7	8·30	−1·30	3·07	4·34	− 1·27	14·39	14·89	− 0·50	0·95	Minbu.
1			15	14				S 24° E	S 28° E	5·6	10·4	−4·8	92	0	87	+ 3	·811	−·023	7·8	+2·8	8	9·50	−1·50	3·44	4·12	− 0·68	14·59	15·14	− 0·55	0·90	Yamethin.
8			11	9	3			S 16° E	S 5° E	8·3	9·1	−0·8	66	−15	76	+ 1	·783	−·034	7·4	−0·8	10	6·20	+3·80	4·55	3·05	+ 1·50	21·88	14·39	+ 7·49	1·24	Mandalay.
		2	25	4				S 43° E		5·8			92		81		·865		8·1		5	3·60	+1·40	2·41	2·61	− 0·20	17·15	11·41	+ 5·74	0·75	Monywa.
8 1		1		5	16			S 34° W		4·7*			59		89	− 1	·713	−·011	8·9	0	18			14·09	14·71	− 0·63	31·83	31·54	+ 3·29	3·02	Lashio.
9	1			1				S 67° E	N 70° W	1·4	1·9	−0·5	2	−17	94	+ 2	·837	−·009	9·1	+0·4	25	21·50	+3·50	20·70	19·01	+ 1·69	50·06	39·19	+10·87	3·07	Bhamo.
4	6	9	2					N 79° E		2·0			49		89		·832		8·5		28			32·79	19·78	+ 13·01	56·58	39·74	+16·84	6·35	Myitkyina.
																															II.—Eastern Bengal and Assam.
11 1	5			2	2			N 62° E		1·6			7		94		·886		9·1		23	20·40	+2·60	21·18	21·00	+ 0·18	60·57	54·63	+25·94	4·03	Dibrugarh.
5 2	4		1	4	13	1	1	S 41° W	S 11° E	3·8	2·9	+0·9	33	+17	91	− 2	·910	−·065	9·6	+0·7	22	19·20	+2·80	15·16	17·12	− 1·96	44·07	43·33	+ 0·74	4·45	Sibsagar.
29	1	1						N 66° E		2·0			7		92		·893		9·4		23	17·20	+5·80	18·39	13·33	+ 5·06	35·54	35·32	+ 0·22	3·10	Tezpur.
30			1					S 45° E		2·4			3		89		·940		8·7		19	14·80	+4·20	13·50	10·83	+ 2·67	32·39	31·81	+ 0·58	2·65	Gauhati.
10	6	4	2	4	5			S 52° E	S 83° E	5·9	4·6	+1·3	27	− 2	91	0	·918	−·023	7·1	−1·3	20	15·80	+4·20	19·91	15·49	+ 4·42	69·50	54·09	+15·41	4·90	Dhubri.
23 1	1	5	1					N 81° E	N 84° E				23	+13	92	+ 2	·902	−·045	7·9	−1·3	26	22·50	+3·50	23·65	18·43	+10·22	64·36	57·66	+ 6·70	7·16	Silchar.
2	1	5	10	7	6			S 47° E		6·0			65						6·5		25			27·50			48·23			3·88	Cox's Bazar.
1	2		18	4	5	1		S 47° E	S 36° E	6·0	7·3	−1·3	63	− 5	89	0	·881	−·039	9·0	+0·7	24	19·45	+4·55	30·36	19·94	+10·42	51·51	52·01	− 0·47	10·57	Chittagong.
2		4	11	8	6			S 22° E		7·1			68		90		·908		7·5		25	22·91	+2·19	30·21	22·10	+ 8·11	66·04	55·45	+10·59	6·04	Noakhali
7	2	1	3	13	5			S 3° E	S 14° E	3·3	4·3	−1·0	56	+13	89	+ 1	·939	−·040	8·2	−0·7	23	20·58	+2·42	16·29	15·02	+ 1·27	41·32	39·23	+ 2·09	2·06	Barisal.
2	1	1	13	12	2			S 24° E		5·2			78		91		·921		6·4		23	19·07	+3·93	22·95	17·05	+ 5·90	58·49	45·97	+12·52	2·96	Comilla.
1 1		3	6	12	6	2		S 3° E	S 27° E	6·7	7·8	−1·1	62	− 9	89	− 1	·912	−·039	8·8	+0·1	22	17·78	+4·22	18·16	12·31	+ 5·85	42·34	34·39	+ 7·95	2·79	Narayanganj.
3		2	7	14	4	1		S 8° E		4·2			71		90		·959		8·5		17	17·13	−0·13	14·92	12·47	+ 2·45	47·10	33·52	+13·58	4·61	Faridpur.
7		2	2	12	7	1		S 9° W		3·8			58		91		·942		8·6		21	14·26	+6·74	18·07	11·30	+ 6·77	30·84	30·82	+ 0·02	3·99	Sirajganj.
9		3	9	6	4			S 23° E	S 49° E	2·2	4·1	−1·9	56	−12	90	− 1	·953	−·007	8·9	+1·0	25	19·65	+5·35	35·08	15·33	+19·75	68·72	45·63	+23·09	4·13	Mymensingh.
15		4	3	9				S 29° E	S 48° E	2·0	4·2	−2·2	43	−22	84	− 5	·919	−·060	6·6	−1·6	19	15·94	+3·06	16·24	12·64	+ 3·60	37·61	33·58	+ 4·03	2·53	Bogra.
12	1	1	1	5	10	1		S 27° W		6·6			45		87		·963		7·7		18	15·15	+2·85	11·62	11·46	+ 0·16	21·43	27·70	− 6·27	1·97	Rampur Boalia.
	2	4	10	8	7			S 23° E		5·9			68		92		·975		7·1		21	15·45	+5·55	7·85	11·07	− 3·22	17·96	24·81	− 6·85	1·40	Malda.
11	1	6	5	5	2		1	S 44° E	S 86° E	3·5	4·0	−0·5	40	−17	92	+ 2	·952	−·018	8·8	+0·4	24	16·36	+7·64	20·09	14·38	+ 5·71	43·80	36·00	+ 7·80	3·02	Dinajpur.
14	2	3	2	4	6			S 14° E		2·8			26		89		·935		5·9		21	15·42	+5·58	28·45	16·01	+10·44	65·59	46·33	+19·26	4·50	Rangpur.

† stations the elevations of which exceed 3,200 feet. * Uncorrected for scale error.

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. 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
	II.—Eastern Bengal and Assam—*concld.*																						
5	Jalpaiguri	283	29·362	+·031	29·603	29·517	22nd	29·134	3rd	·383	79·4	87·1	−1·1	76·6	−0·2	81·9	−0·7	10·5	95·4	4th	73·9	28th & 29th.	21·5
	Cooch Behar	156	29·504		29·615	29·670	22nd	29·252	3rd	·418	79·3	85·9		77·0		81·4		8·9	93·8	4th	74·6	8th, 28th & 29th.	19·2
	III.—Bengal.																						
6	Saugor Island	25	29·626	+·063	29·595	29·767	22nd	29·165	3rd	·602	83·3	88·3	+0·5	80·5	−0·1	84·4	+0·2	7·8	92·0	8th, 17th & 18th.	76·0	28th	16·0
	Midnapore	149	29·502		29·597	29·632	22nd	29·145	3rd	·487	82·1	91·0		78·5		84·7		12·5	96·3	13th, 14th & 18th.	74·7	27th	21·6
	Calcutta	21	29·635	+·066	29·612	29·774	22nd	29·247	3rd	·527	81·9	89·8	+1·8	78·6	+0·1	84·2	+0·9	11·2	94·7	8th, 14th & 18th.	75·0	26th & 28th,	19·7
	Jessore	35	29·629	+·057	29·609	29·771	22nd	29·285	3rd	·486	82·3	83·3	−0·9	77·7	−1·3	83·0	−1·1	10·6	92·5	8th, 14th & 18th.	74·7	28th & 29th,	17·8
	Krishnagar	47	29·604		29·600	29·740	22nd	29·280	3rd	·460	81·3	89·9		78·6		84·2		11·3	93·9	14th	76·5	4 days	17·4
	Burdwan	99	29·553	+·064	29·600	29·680	22nd	29·215	3rd	·465	81·5	90·2	0	78·6	−0·8	84·4	−0·4	11·6	95·9	15th & 17th.	75·8	26th & 28th,	20·1
	Bankura	313	29·322		29·534	29·441	22nd	29·007	3rd	·437	82·1	90·5		77·9		84·2		12·6	97·1	17th	74·7	20th	22·4
	Raniganj	334	29·396		29·558	29·434	22nd	29·013	3rd	·421	80·6	89·5		77·7		83·6		11·8	95·5	18th	75·0	5th, 6th & 20th,	20·5
	Berhampore	67	29·581	+·052	29·597	29·706	22nd	29·292	3rd	·414	81·0	89·0	−0·4	78·0	−0·8	83·5	−0·6	11·0	97·6	8th	75·2	16th	22·4
	Naya Dumka	489	29·146		29·502	29·271	22nd	28·881	3rd	·390	81·1	89·6		77·0		83·0		12·0	94·9	15th	71·0	25th	23·9
7	Balasore	50	29·604	+·074	29·598	29·746	23rd	29·190	3rd	·556	82·5	89·8	+1·3	78·3	−0·1	84·0	+0·6	11·5	96·4	17th	74·6	27th	21·8
	False Point	21	29·649	+·062	29·612	29·798	23rd	29·201	3rd	·597	82·7	87·7	+0·1	77·8	−0·8	82·7	−0·3	9·9	94·2	16th & 17th.	69·6	4th	24·6
	Cuttack	80	29·594	+·073	29·618	29·742	22nd	29·208	3rd	·534	81·6	89·5	−0·3	77·9	−0·7	83·7	−0·5	11·6	95·4	4 days	73·7	4th	21·7
	Puri	24	29·662		29·625	29·829	22nd	29·274	3rd	·555	82·1	86·8		79·0†		82·9†		7·8	92·6	17th	73·6	28th	19·0
	Angul	455	29·211		29·625	29·349	23rd	28·879	3rd	·470	80·3	88·4		77·0		82·7		11·4	95·1	18th	74·0	4th, 6th & 27th.	21·1
	Sambalpur	486	29·185	+·060	29·614	29·319	23rd	28·730	4th	·589	80·9	88·4	+0·9	76·8	−0·5	82·6	+0·2	11·6	93·1	13th, 17th & 18th.	65·1	1st	28·0
8	Chaibassa	*733*	28·901	+·063	29·583	29·021	23rd	28·572	3rd	·449	80·2	89·9	+0·3	76·4	−1·1	83·1	−0·4	13·5	94·1	5 days	73·8	6th, 18th & 28th.	20·3
	Ranchi	2,128	27·541	+·069	29·612	27·639	22nd	27·259	4th	·380	75·6	84·2	+0·2	72·7	−0·2	78·5	0	11·5	89·7	15th	67·9	6th & 27th,	21·8
	Purulia	*816*	28·831†		29·597†	28·938	22nd	28·564	3rd	·374	75·9	89·6		76·3		83·0		13·3	95·5	17th	74·1	6 days	21·4
	Hazaribagh	2,007	27·648	+·054	29·592	27·753	22nd	27·389	4th	·364	77·7	84·5	−0·1	73·7	0	79·1	−0·1	10·8	89·2	17th	69·8	6th	19·4
	Daltonganj	*730*	28·906		29·589	29·028	22nd	28·629	4th	·399	81·3	91·1		78·2		84·7		12·9	97·1	20th	73·5	26th	23·6
9	Purnea	134	29·508	+·048	29·595	29·622	22nd	29·258	3rd	·364	80·1	87·3	−2·7	77·4	−1·3	82·4	−2·0	9·9	92·5	4th	74·7	29th & 31st.	17·8
	Bhagalpur	160	29·466		29·578	29·571	22nd	29·204	3rd	·367	82·4	89·7		78·1		83·9		11·6	96·2	18th	73·8	30th	22·4
	Monghyr	155	29·463		29·568	29·577	22nd	29·206	3rd	·371	82·1	88·8		77·9		83·4		10·9	94·7	18th	72·9	19th	21·8
	Darbhanga	165	29·456	+·039	29·578	29·577	22nd	29·229	3rd	·348	81·2	88·3	−1·2	78·3	−1·5	83·3	−1·3	10·0	94·1	4th	75·3	9th	18·8
	Pusa	189	29·429		29·570	29·592	22nd	29·201	3rd	·351	81·8	89·8		77·6		83·7		12·2	96·7	16th	75·0	20th	21·7
	Muzaffarpur	177	29·449		29·582	29·566	22nd	29·231	3rd	·335	81·2	88·9		77·8		83·4		11·1	95·2	4th	74·0	9th	21·2
	Motihari	221	29·392		29·573	29·515	22nd	29·184	3rd	·331	80·5	87·8		77·8		82·8		10·0	95·1	4th	75·3	20th	19·8
	Chapra	181	29·427		29·562	29·552	22nd	29·206	3rd	·346	82·0§	92·0		79·0‡		85·4‡		13·0	98·8	18th	76·6	28th	22·2
	Patna	183	29·433	+·043	29·568	29·553	22nd	29·206	3rd	·347	82·9	89·0	−1·1	78·7	−1·1	83·9	−1·1	10·3	94·0	8th & 13th	74·7	20th	19·3
	Arrah	190	29·423		29·561	29·544	22nd	29·198	3rd	·346	83·8	90·7		79·4		85·0		11·3	96·1	14th, 16th & 18th.	75·3	20th	20·8
	Buxar	239	29·366		29·559	29·498	22nd	29·145	3rd	·353	82·9	92·4		79·0		85·7		13·4	99·0	18th	75·6	5th	23·4
	Dehri	351	29·256		29·559	29·382	22nd	29·020	3rd	·362	83·4	91·7		79·4		85·6		12·3	99·3	1st	69·5	6th	29·8
	Gaya	372	29·245	+·048	29·569	29·353	22nd	29·022	3rd	·331	82·7	91·2	−0·2	78·8	0	85·0	−0·1	12·4	105·4	17th	75·2	27th	30·2
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·341	+·037	29·554	29·463	9th	29·154	3rd	·309	82·1	89·3	−1·8	76·8	−2·6	83·1	−2·2	12·5	97·1	1st	73·5	16th	23·6
	Benares	267	29·343	+·056	29·563	29·472	22nd	29·129	3rd	·343	84·7	94·7	+3·5	79·7	+0·1	87·2	+1·8	15·0	102·6	1st	73·6	6th	29·0
	Allahabad	309	29·297	+·052	29·558	29·434	22nd	29·088	5th	·346	84·7	94·1	+2·5	79·5	+0·1	86·8	+1·3	14·6	101·6	1st & 21st.	75·5	6th	26·1

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

‡ Mean of 23 days.
§ „ „ 27 „

NOTE.—The barometric readings are not reduced to sea-level, in the cases of hill or plateau stations.
† Mean of 30 days.

—continued.

ations in India, etc., in July, 1910.—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 May to 31st July, 1910.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July, 1910.	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
																															II.—Eastern Bengal and Assam—*concld.*
5	2	6	2	4	1	1		S 56° E	N 88° E	3·1			27	−30	91	− 1	·927	−·022	9·5	+1·0	24	20·16	+3·84	45·83	33·38	+12·45	95·13	63·28	+26·85	5·18	Jalpaiguri.
7	1	11	1	3	6	2		S 41° E		2·5			29		92		·922		9·1		25	18·79	+6·21	52·74	25·58	+27·16	118·93	72·99	+45·94	9·33	Cooch Behar.
																															III.—Bengal.
	1	2	4		8	13	3	S 25° W	S 27° W	18·3	15·3	+3·0	56	+ 2	86	− 2	·983	−·013	8·2	−1·1	14	16·74	−2·74	18·20	15·95	+2·25	29·25	31·06	−1·81	5·85	Saugor Island.
	3	2	1	3	18	2	2	S 7° E		3·7			52		83		·921		7·3		13	15·95	−2·95	6·39	12·56	−6·17	19·10	28·76	−9·66	1·50	Midnapore.
1	1	2	3	4	3	16	1	S 19° W	S 3° W	5·9*	5·0	+0·9	53	+ 3	88	− 1	·969	+·002	8·4	0	14	18·96	−4·95	11·14	12·27	−1·13	22·42	29·30	−6·88	1·68	Calcutta.
8			1	5	3	4		S 11° E	S 21° E	1·5	4·1	−2·6	30	−20	86	− 4	·965	−·038	8·0	−0·4	16	17·52	−1·52	10·93	12·02	−1·06	32·12	32·52	−0·40	1·98	Jessore.
1			3	5	6	4	1	1	S 10° E	2·0			39		89		·954		8·1		16	15·87	+0·13	15·93	10·36	+6·57	36·32	26·79	+9·53	5·27	Krishnagar.
0	1	2	2	1	12	3		S 36° W	S 3° E	3·6	4·2	−0·6	40	+ 1	88	+ 2	·948	+·006	8·8	+0·6	17	16·10	+0·90	13·41	12·48	+0·93	33·40	28·75	+4·65	3·66	Burdwan.
4	1		3	2	8	2	1	S 37° W		3·7			39		79		·849		6·7		12	16·46	−4·46	7·77	12·87	−5·10	23·69	27·08	−3·39	2·08	Bankura.
40	1	3	3		4			S 37° E		1·8			16		89		·924		7·5		18	16·39	+1·61	13·42	14·15	−0·73	27·43	27·85	−0·42	2·25	Raniganj.
3		6	6	10	6			S 18° E	S 25° E	4·7	4·5	+0·2	62	+10	89	− 3	·943	−·050	9·5	+0·7	19	15·71	+3·29	11·55	10·51	+1·04	29·47	25·46	+4·01	2·07	Berhampore.
28		1	2					S 63° E		1·0			6		84†		·883†		6·1		19	18·72	+0·28	15·62	14·14	+1·48	25·15	27·70	−2·55	4·78	Nagaon.
4	1	2	1	1	4	15	3		S 40° W	S °37 W	4·1	5·9	−1·8	53	− 1	81	− 7	·895	−·075	6·6	−1·6	13	14·91	−1·91	10·50	11·63	−1·18	15·52	28·97	−13·45	3·89	Balasore.
3		1	1		1	12	10	3	S 70° W	S 59° W	10·7	11·2	−0·5	66	− 2	84	− 3	·935	−·031	8·1	−0·2	14	14·90	−0·90	11·07	11·89	−0·82	21·08	25·42	−4·34	4·28	False Point.
8		1	1	1	2	9	6	3	S 62° W	S 60° W	3·6*	3·3	+0·3	43	− 9	84	+ 3	·914	+·023	7·8	+0·3	14	16·13	−2·13	14·19	11·46	+2·73	27·40	26·52	+0·88	7·00	Cuttack.
3	4	2		1		14	4	3	S 78° W		12·9			45		86		·938		6·6		16	11·74	+4·26	16·84	9·93	+6·88	23·46	20·84	+2·62	3·36	Puri.
8	2	3		3	2	1	6	6	N 60° W		5·6			26		86		·882		5·9		11			10·20			23·74			3·73	Angul.
	1	1	1	2	2	21	3		S 41° W	S 34° W	5·3	4·8	+0·5	69	+ 9	82	− 4	·875	−·015	8·3	+0·1	16	19·60	−3·50	12·55	22·82	−10·27	20·63	35·79	−15·16	2·00	Sambalpur.
4	1	3	1	1		13	8		S 61° W	S 66° W	4·0	2·7	+1·3	46	+ 2	82	− 3	·843	−·055	8·4	+0·7	12	16·68	−4·68	8·03	12·34	−4·28	21·22	25·19	−3·97	1·53	Chaibassa.
1		1	2	2	3	5	13	4	S 74° W	S 63° W	7·9	7·9	0	53	+21	85	− 3	·755	−·041	7·8	−0·2	15	19·19	−4·10	13·51	15·81	−2·30	29·28	23·25	+1·03	2·26	Ranchi.
18		2	1		2	5	3		S 45° W		2·2			19		83		·871		4·1		15	17·42	−2·42	11·39	12·23	−0·84	18·27	25·22	−6·95	1·70	Purulia.
	2	1		2	6	7	5	8	S 73° W	S 40° W	8·4	8·7	−0·3	46	+20	78	− 9	·729	−·071	7·6	−1·8	16	18·74	−2·74	7·29	14·41	−7·12	17·79	25·85	−8·06	1·67	Hazaribagh.
8		1	4	1	3	9	4	1	S 34° W		5·2			36		80		·854		6·4		10	16·16	−6·16	6·43	12·51	−6·08	12·59	19·65	−7·06	2·63	Daltonganj.
23		1	1						N 66° E	S 81° E	0·4	3·5	−3·1	7	−44	94	+ 5	·959	−·022	9·1	+1·9	19	17·13	+1·87	13·96	14·56	−0·60	37·08	29·35	+7·73	2·17	Purnea.
12		1	4	3	3	4	2	1	S 3° E		2·7			5		85		·931		9·4		18	15·39	+2·61	9·91	12·22	−2·31	21·13	23·29	−2·16	1·64	Bhagalpur.
11	1		4	4	1	1	5	4	S 63° W		5·8			6		89		·971		9·4		19			12·89			18·89			2·30	Monghyr.
7		1	12		1	5	5		S 48° E	S 80° E	4·0	4·8	−0·8	20	−35	83	0	·947	−·022	8·5	+1·4	18	14·37	+3·63	15·39	11·81	+3·58	23·34	23·02	+3·32	1·88	Darbhanga.
5		6	8	3	2	3	2	1	S 81° E†		4·0			29		87		·910		8·0		15			9·34			17·20			1·45	Pusa.
11		2	7	6		2	3		S 63° E		7·4*			29		89		·930		5·6		17	14·39	+2·61	15·70	11·90	+3·80	29·30	21·55	+8·05	2·36	Muzaffarpur.
12		4	11			1	2	1	N 73° E		2·7			32		90		·939		8·2		21	12·48	+8·52	29·79	12·49	+17·30	42·93	24·04	+18·89	3·93	Motihari.
?	?	?	?	?	?	?	?	?	?	?			?		85†		·909†		7·9		13	14·23	−1·23	5·85	11·29	−5·44	10·35	19·04	−8·69	1·10	Chapra.
5	1	1	9	1	5	4	4	1	S 26° E	N 81° E	5·2	4·6	+0·6	23	−19	84	− 2	·951	−·018	8·6	0	12	14·16	−2·16	17·20	12·66	+4·54	27·07	23·13	+3·94	5·19	Patna.
13		2	1	3		9	3		S 36° W		2·7			29		81		·914		7·6		15	15·13	−0·13	10·37	13·35	−2·93	14·27	21·77	−7·50	2·10	Arrah.
1		2	7	2	4	9	5	1	S 11° W		7·3			32		79		·878		7·9		12	14·39	−2·39	4·10	11·78	−7·68	10·17	18·04	−7·87	1·31	Buxar.
14		1	1	2	2	9	1	1	S 32° W		3·9			32		79		·891		6·1		10	14·72	−4·72	6·28	11·64	−5·36	12·65	18·99	−6·34	1·20	Dehri.
6	1	3	1	3		2	15		S 88° W	S 2° E	2·8	4·0	−1·2	35	+25	81	− 3	·896	−·033	7·8	−1·2	14	15·68	−1·68	10·29	13·67	−3·38	16·50	22·08	−5·58	2·31	Gaya.
																															IV.—United Provinces of Agra and Oudh.
14		4	2	2	1	5	3		S 6° W	N 63° E	2·5	2·3	+0·2	10	−22	88	+ 2	·869	+·018	5·7	−0·2	16	14·70	+1·30	11·34	13·75	−2·41	25·56	24·18	+1·38	2·50	Gorakhpur.
6			4	4	1	11	4	1	S 27° W	S 7° E	4·6	4·6	0	43	+33	75	−11	·891	−·071	7·3	−0·7	10	14·60	−4·60	5·07	11·45	−6·38	8·61	18·34	−9·71	1·62	Benares.
2	1	2	3	1	1	7	14		S 73° W	S 27° W	6·5	7·3	−0·8	49	+43	72	−12	·861	−·080	8·6	+0·4	8	13·30	−5·30	6·10	12·15	−6·05	9·81	18·86	−8·99	2·23	Allahabad

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

* Uncorrected for scale error.

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
	IV.—United Provinces of Agra and Oudh—*concld.*																						
10	Cawnpore	416	29·164	+·043	29·536	29·283	9th	28·956	2nd	·327	84·1	94·8	+2·3	78·5	−1·1	86·6	+0·6	16·3	102·2	21st	74·0	6th	28·2
	Lucknow	368	29·226	+·043	29·551	29·376	22nd	29·013	2nd	·363	83·2	93·0	+0·8	79·2	−0·1	83·1	+0·3	13·8	99·0	20th	74·6	28th	21·4
	Bahraich	401	29·191	+·035	29·552	29·338	22nd	28·986	2nd	·352	81·4	89·7	−1·6	78·1	−0·7	83·9	−1·1	11·6	96·6	9th	75·0	10th, 21st & 24th.	21·3
11	Jhansi	824	28·799	+·051	29·575	28·925	22nd	28·571	5th	·354	83·1	92·3	+1·1	79·3	+0·5	85·8	+0·8	13·0	98·0	19th	72·5	6th	25·5
	Agra	556	29·025	+·033	29·536	29·153	9th	28·816	2nd	·337	85·5	96·5	+3·2	80·7	+0·2	88·6	+1·7	15·8	104·5	22nd	75·5	6th	29·0
	Mainpuri	516	29·054	+·027	29·521	29·182	9th	28·853	2nd	·329	85·0	97·2	+4·5	80·9	+1·4	89·1	+2·9	16·3	102·8	11th	77·1	29th	25·7
	Bareilly	568	29·007	+·028	29·535	29·140	22nd	28·793	2nd	·347	82·7	92·4	+0·8	78·3	−0·4	85·4	+0·2	14·1	98·3	9th & 25th.	74·0	14th	24·3
	Meerut	733	28·846	+·038	29·537	28·958	23rd	28·637	2nd	·331	83·6	94·9	+2·1	79·4	0	87·2	+1·1	15·5	102·6	22nd	74·3	13th	28·3
	Roorkee	899	28·688	+·035	29·550	28·813	23rd	28·479	2nd	·334	81·3	90·4	−1·7	77·3	−0·9	83·8	−1·3	13·1	102·0	16th	73·4	13th	28·6
	Dehra Dun	2,233	27·386	+·010	29·554	27·508	23rd	27·179	2nd	·329	76·0	83·9	−1·6	73·2	−0·9	78·5	−1·3	10·7	89·5	4th	70·5	14th	19·0
	V.—Punjab.																						
12	Delhi	718	28·865	+·043	29·539	29·002	22nd	28·652	2nd	·350	84·4	95·9	+1·9	81·1	+0·4	88·5	+1·1	14·8	101·7	22nd	73·2	13th	28·5
	Sirsa	662	28·883	+·026	29·500	29·012	22nd	28·694	2nd	·318	86·6	99·4	−1·1	89·0	−1·8	89·7	−1·5	19·4	104·3	11th	71·0	12th	33·3
	Patiala	*818*	28·749		29·527	28·881	22nd	28·529	2nd	·355	83·3	97·9		79·1		86·5		14·8	99·6	22nd	73·8	13th & 14th.	25·8
	Ambala	892	28·674	+·030	29·525	28·796	23rd	28·459	2nd	·337	82·8	95·6	+2·3	38·6	−0·2	87·1	+1·1	17·0	100·5	5th	72·9	14th	27·6
	Ludhiana	812	28·750	+·031	29·524	28·876	23rd	28·543	2nd	·333	82·7	94·5	−2·5	79·1	−1·2	86·8	−1·9	15·4	100·5	25th	73·0	11th & 12th.	27·5
	Lahore	702	28·835	+·027	29·498	28·961	22nd	28·633	2nd	·331	85·3	98·2	−2·4	81·0	+1·6	89·6	−0·4	17·2	103·4	5th	74·7	11th	28·7
	Sialkot	830	28·716	+·027	29·509	28·846	22nd	28·508	2nd	·338	83·4	92·8	−4·8	77·9	−1·6	85·4	−3·2	14·9	99·0	11th	72·0	5th	27·0
	Rawalpindi	1,674	27·898	+·027	29·527	28·030	9th	27·708	2nd	·322	81·9	92·9	−4·4	74·9	−1·8	83·9	−3·1	18·0	99·4	17th	69·9	28th	29·5
13	Khushab	612	28·922	+·045	29·197	29·076	22nd	28·718	2nd	·353	86·4	99·5	−3·1	81·6	−0·5	90·6	−1·6	17·9	108·4	5th	72·9	5th	35·5
	Montgomery	558	28·969	+·046	29·185	29·114	9th	28·768	2nd	·346	87·8	100·9	−3·8	82·5	−1·4	91·7	−2·6	18·4	107·4	5th	76·0	1st & 12th.	31·4
	Multan	420	29·097	+·037	29·475	29·215	9th	28·893	2nd	·352	88·5	102·2	−1·6	84·1	+0·4	93·1	−0·6	18·1	110·3	5th	79·0	1st	31·3
	VI.—North-West Frontier Province.																						
15	Peshawar	1,110	28·438	+·024	29·515	28·658	9th	28·275	2nd	·383	84·6	96·0	−6·9	78·1	−1·3	87·2	−4·1	17·9	104·7	4th	69·9	9th	34·8
	D. I. Khan	590	28·924	+·012	29·457	29·090	9th	28·732	2nd	·358	86·1	97·1	−6·3	81·1	−1·4	89·1	−3·9	16·0	102·9	5th	76·1	9th & 22nd.	26·8
	VII.—Sind.																						
17	Jacobabad	186	29·304	+·016	29·449	29·453	22nd	29·079	2nd	·374	87·6	104·5	−3·3	83·6	−0·7	94·1	−2·0	20·9	114·6	3rd	75·3	17th	39·3
	Hyderabad	96	29·438	+·023	29·487	29·590	22nd	29·258	3rd	·332	84·0	94·4	−4·5	79·8	−1·0	87·1	−2·7	14·6	107·0	6th	71·0	8th	36·0
	Karachi	13	29·586	+·038	29·549	29·732	23rd	29·416	3rd	·316	82·8	87·5	−0·6	80·2	+0·7	83·8	+0·1	7·3	93·0	1st	75·0	8th	18·0
	VIII.—Rajputana.																						
18	Bikaner	*771*	28·794	+·038	29·525	28·937	22nd	28·617	2nd	·320	84·6	98·1	−2·3	80·9	−1·9	89·5	−2·1	17·2	105·0	5th	75·5	8th	25·5
	Jodhpur	780	28·818	+·043	29·576	28·977	22nd	28·598	6th	·379	81·4	92·0	−7·2	77·5	−3·6	84·8	−5·4	14·5	99·0	30th	72·3	8th	26·7
19	Jaipur	1,431	28·202	+·052	29·584	28·330	9th	28·010	2nd & 6th.	·320	82·1	94·3	+0·8	77·2	−1·0	85·8	−0·1	17·1	103·2	23rd	72·1	6th	31·1
	Sambhar	1,254	28·368	+·060	29·576	28·498	22nd	28·170	6th	·328	82·8	94·3	0	77·7	−1·5	86·0	−0·7	16·6	100·4	22nd & 23rd.	72·9	8th	27·5
	Ajmer	1,611	28·029	+·047	29·595	28·168	22nd	27·809	6th	·359	78·5	87·7	−3·6	77·4	+0·1	82·6	−1·7	10·3	92·9	23rd & 29th.	72·7	7th & 8th.	20·2
	Kotah	*819P*	28·778	+·049	29·590	28·921	9th	28·516	6th	·405	82·8	92·3	−2·8	78·6	−2·4	85·5	−2·6	13·7	103·5	17th	75·1	6th & 8th.	28·4
	Udaipur	1,925	27·747	+·044	29·610	27·881	22nd	27·162	6th	·419	77·8	84·8	−5·5	73·8	−2·4	79·3	−3·9	11·0	90·0	31st	69·3	8th	20·7

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

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

—*continued.*

ations in India, etc., in July, 1910—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 May, 1910, to 31st July, 1910.	Normal rainfall for period, 1st May to 31st July.	Departure from normal for period, 1st May to 31st July, 1910.	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	6	1	2	5	12	1	S 61° W	S 1° E	5·4	4·7	+0·7	33	+19	76	−6	·882	−·059	4·2	−3·2	8	12·10	−4·10	6·82	10·96	−4·14	9·67	15·36	−5·69	2·71	Cawnpore.
		4	2	2	4	6	1	S 37° W	S 82° E	4·1	3·8	+0·3	23	−1	79	−5	·909	−·032	5·9	−1·0	11	14·10	−3·10	7·62	11·53	−3·91	12·87	18·25	−5·38	2·85	Lucknow.
	1	7	7		3	1	4	S 62° E	S 68° E	3·6	3·5	+0·1	27	−13	86	+1	·927	−·030	6·6	−0·1	14	12·80	+1·20	15·11	11·86	+3·25	24·75	20·34	+4·41	3·10	Bahraich.
		1	1	1	8	13	2	S 72° W	S 72° W	7·6	4·4	+3·2	62	+15	71	−7	·827	−·043	4·4	−2·1	8	13·10	−5·10	3·96	12·12	−8·16	9·48	18·59	−9·11	2·20	Jhansi.
	1	5	3	9	7	4	2	S 10° W	S 24° W	8·7	5·5	+3·2	46	+4	69	−10	·814	−·078	4·7	−2·3	8	10·80	−2·80	5·91	10·60	−4·69	7·67	14·06	−6·39	2·00	Agra.
1		4	3		3	12	5	N 89° W	S 41° E	3·4	2·9	+1·4	57	+34	70	−12	·833	−·095	4·5	−2·5	6	10·20	−4·20	2·39	8·75	−6·36	5·54	13·91	−8·37	1·30	Mainpuri.
			1					S 45° E	S 47° E	0·5	3·3	−2·8	3	−29	83	−2	·924	−·008	8·7	+2·1	10	13·45	−3·45	3·69	15·47	−11·78	10·55	22·19	−11·64	0·98	Bareilly.
			2	4	3	4	7	S 75° W	S 63° E	4·0	2·3	+1·7	33	+7	74	−5	·851	−·035	6·3	−0·3	6	9·40	−3·40	3·14	9·35	−6·21	5·08	13·44	−8·36	1·02	Meerut.
			5				2	S 45° E	S 38° E	2·7	2·9	−0·2	10	−29	84	+2	·895	+·016	7·3	+0·9	14	11·90	+2·10	11·40	12·61	−1·21	18·09	18·74	−0·65	1·44	Roorkee.
							1	N 45° W	S 38° E	1·3*	1·1	+0·2	3	−7	91	+3	·815	+·008	8·5	+0·5	28	21·20	+6·80	34·55	28·58	+5·97	40·84	40·53	+0·31	5·42	Dehra Dun.
																															V.—Punjab.
1	2	3	2	2	3	16	1	S 79° W	S 22° E	5·5	4·2	+1·3	43	+21	71	−4	·837	−·032	5·8	−0·5	8	9·20	−1·20	6·94	8·48	−1·54	7·69	12·61	−4·92	2·76	Delhi.
3	2	4		5	11	3	3	S 50° W	S 16° W	6·0	7·1	−1·1	30	+1	62	−5	·784	−·073	2·0	−3·9	5	5·00	0	1·66	4·14	−2·48	4·42	6·64	−2·22	0·72	Sirsa.
		7	8		2	6	4	S 27° E		5·2			16		79		·892		4·3		7			5·74			9·74			2·03	Patiala.
	2	7		1				N 87° E ‡	S 62° E	3·8	1·5	+2·3	53	+30	79	−7	·879	−·058	6·6	+0·9	8	9·80	−1·80	5·67	7·65	−1·98	11·93	14·67	−2·74	1·60	Ambala.
	1	1	10		2	2	3	S 30° E	S 34° E	1·9	2·4	−0·5	23	−13	75	−1	·850	−·043	3·8	−2·6	7	7·60	−0·60	7·09	9·27	−2·18	13·46	12·90	+0·56	2·97	Ludhiana.
1		4	10	3	2	4	4	S 20° E	S 42° E	3·3	3·4	−0·1	27	−12	74	+3	·906	+·029	2·9	−1·4	2	3·30	−1·30	3·21	5·96	−2·75	6·81	8·87	−2·06	1·86	Lahore.
4	3	5	3	2	1		3	N 62° E	S 85° E	1·9	2·8	−0·9	23	−24	82	+8	·938	+·053	3·8	−0·1	8	9·00	−1·00	7·83	8·01	−0·18	14·19	12·12	+2·07	1·75	Sialkot.
1	1	2	1	1			1	N 75° E	S 82° E	2·0	2·5	−0·5	10	−15	77	+5	·837	+·029	5·7	+1·5	11	9·10	+1·90	3·25	8·53	−5·28	11·25	12·01	−0·76	0·65	Rawalpindi.
1	10	14	3					N 75° E	N 62° E	7·9	7·5	+0·4	79	+25	70	+5	·881	+·034	2·8	+0·1	6	3·50	+2·50	5·08	4·52	+0·56	6·39	7·02	−0·63	2·25	Khushab.
	2	2	2	1	10	1	1	S 10° W	S 15° E	10·2†	9·6	+0·6	76	+37	60	0	·782	−·056	2·3	−0·6	2	3·20	−1·20	0·61	2·48	−1·87	3·25	3·89	−0·64	0·24	Montgomery.
2	2	2	1	8	5			S 4° E	S 89° W	1·3	3·1	−1·8	30	−4	64	+2	·856	+·006	2·4	+0·3	1	2·50	−1·50	0·19	2·41	−2·22	0·73	3·33	−2·60	0·15	Multan.
																															VI.—North-West Frontier Province.
10					1	4	4	N 32° W	N 9° W	1·6	4·1	−2·5	46	+4	70	+7	·838	+·040	3·5	+0·3	4	2·10	+1·90	3·31	1·66	+1·65	6·22	2·71	+3·51	1·85	Peshawar.
3	11	1	3	1				N 55° E	N 69° E	1·8	2·5	−0·7	46	+14	76	+7	·942	+·030	3·8	+1·4	3	3·10	−0·10	2·07	2·38	−0·31	5·62	3·37	+2·25	1·42	D. I. Khan.
																															VII.—Sind.
1		1	8	3		1	1	S 36° E	S 49° E	4·6	5·6	−1·0	30	−35	71	+6	·924	+·021	2·2	−0·4	2	1·60	+0·40	1·35	1·22	+0·13	2·19	1·47	+0·72	1·00	Jacobabad.
1	1			2	26	1		S 45° W	S 47° W	12·5	16·7	−4·2	82	+1	73	+6	·853	+·038	5·5	−0·5	4	3·30	+0·70	6·16	2·70	+3·46	8·73	3·26	+5·47	3·13	Hyderabad.
					9	20	2	S 80° W	S 75° W	18·1	17·2	+0·9	92	+8	82	−2	·920	−·037	9·1	+1·8	3	3·00	0	8·14	3·66	+4·48	10·43	4·37	+6·06	6·08	Karachi.
																															VIII.—Rajputana.
	2	2	11	13	2	1		S 22° W	S 29° W	10·4	8·3	+2·1	72	+8	66	0	·784	−·060	4·7	+0·3	3	4·90	−1·90	2·00	3·39	−1·39	3·31	5·97	−2·66	1·72	Bikaner.
1		2	6	18	2			S 33° W		6·7			76		75	+8	·800		7·5		2	5·30	−3·30	1·60	4·19	−2·59	4·90	5·95	−1·05	0·94	Jodhpur.
1	1	1	2		2	17	6	N 81° W	S 73° W	7·9*	5·4	+2·5	62	+20	72	−4	·780	−·058	7·2	+0·4	5	10·90	−5·90	2·78	8·66	−5·88	3·98	11·81	−7·83	1·34	Jaipur.
2	1	1	1		1	18	5	N 76° W	S 87° W	8·9	8·8	+0·1	66	+9	76	+3	·827	+·006	6·9	+0·7	5	8·80	−3·80	2·30	7·23	−4·93	3·13	9·57	−6·44	1·01	Sambhar.
	1	1		2	6	15	3	S 80° W	S 87° W	10·3	8·0	+2·3	66	−2	81	+1	·791	−·047	6·9	+1·3	7	9·50	−2·50	4·30	7·42	−3·12	9·50	10·51	−1·01	2·50	Ajmer.
1				1	14	11		S 64° W		4·5			76		74	+4	·821		5·8		7	10·90	−3·90	4·35	10·47	−6·12	12·52	12·99	−0·47	1·43	Kotah.
1				2	13	9	1	S 64° W		5·0			69		80	+5	·757		8·1		6	9·50	−3·50	5·39	6·94	−1·55	14·76	9·67	+5·09	1·80	Udaipur.

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

† Mean of 30 days.
‡ " " 15 "

* Uncorrected for scale error.

(2) Abstract of observations taken at 8 hrs.

Number of subdivision.	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.
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.																					
20	Deesa	463	29·179	+·043	29·602	29·333	22nd	28·834	6th	·499	80·3	89·7	−2·0	76·5	−1·1	83·1	−1·5	13·2	97·8	30th	71·4	8th
	Bhuj	395	29·245	+·048	29·590	29·387	22nd	28·999	7th	·388	81·5	89·7	−0·3	77·2	−0·9	83·5	−0·6	12·5	94·5	31st	73·0	7th & 8
	Jamnagar	61	29·599		29·605	29·739	20th & 22nd,	29·355	6th	·384	83·9	89·4		77·4		83·4		12·0	92·8	17th	71·6	8th
	Dwarka	37?	29·632		29·614	29·764	12th 17th & 22nd.	29·400	7th	·364	83·1	86·1		80·4		83·3		5·7	88·8	4th	76·2	7th
	Rajkot	429	29·245	+·047	29·625	29·392	12th	28·984	6th	·408	80·4	89·1	−1·5	75·2	−0·6	82·2	−1·1	13·9	94·1	29th	71·0	7th & 8
	Veraval	*18*	29·686	+·048	29·646	29·827	12th	29·453	6th	·374	81·6	83·8	+0·1	79·7	+0·5	81·7	+0·3	4·1	86·6	30th	72·3	7th
	Bhavnagar Para	55	29·652	+·030	29·651	29·800	12th	29·399	6th	·401	82·0	92·0	−1·4	76·5	−2·3?	84·2	−1·8?	15·5	96·6	17th, 18th & 24th.	71·5	6th
	Surat	39	29·683	+·050	29·666	29·843	12th	29·461	6th	·382	80·6	86·0	−1·3	77·3	0	81·7	−0·7	8·7	89·1	24th	72·6	6th
	Ahmedabad	163	29·507	+·033	29·619	29·657	12th	29·192	6th	·465	80·7	90·5	−0·9	76·8	−1·4	83·7	−1·1	13·7	95·6	30th	72·2	8th
26	Bombay	37	29·730	+·028	29·707	29·873	12th	29·563	6th	·310	81·1	85·8	+1·4	78·8	+1·3	82·3	+1·3	7·0	89·0	22nd	76·5	6th, 28 & 31st,
	Ratnagiri	110	29·688	+·021	29·737	29·803	12th	29·546	29th	·257	80·5	84·9	+1·0	77·0	+1·3	80·9	+1·1	7·9	87·3	21st & 26th.	73·9	1st & 27th.
	Goa	190	?	?	?	?	?	?	?	?	78·1	83·0	+0·6	76·2	+0·2	79·6	+0·4	6·8	86·6	18th	73·1	27th & 31st.
	Mormugao	*60*	29·758	+·007	29·753	29·851	12th	29·639	23th	·212	79·5	83·5	−0·2	76·0	−0·2	79·7	−0·2	7·5	87·0	22nd	72·2	1st
	Karwar	44	29·796	+·010	29·774	29·883	12th	29·690	29th	·196	78·3	83·3	+0·3	75·0	−0·1	79·2	+0·1	8·3	85·8	19th, 21st & 25th.	72·0	26th, 28 & 30th.
27	Malegaon	1,480	28·295	+·041	29·678	28·439	12th	28·103	5th	·336	78·5	89·1	+1·7	72·3	−1·0	80·7	+0·3	16·8	97·9	12th	69·6	6th & 9th.
	Ahmednagar	2,154	27·643	+·063?	29·744	27·775	12th	27·480	30th	·295	75·3	86·4	+1·2	68·5	−2·0	77·5	−0·4	17·9	91·9	18th	65·0	18th
	Poona	1,846	27·934	+·039	29·732	28·061	12th	27·777	30th	·284	75·5	84·1	+1·8	70·8	0	77·4	+0·9	13·3	88·0	18th, 21st & 26th.	67·8	18th & 19th.
	Sholapur	1,590	28·176	+·015	29·719	28·296	12th	28·035	30th	·261	76·8	90·0	+0·5	72·9	+1·2	81·4	+0·9	17·1	96·3	18th	69·9	7th
	Bijapur	*1,948*	27·831	+·010	29·726	27·940	12th	27·683	30th	·257	75·5	87·8	+1·6	71·0	+0·2	79·4	+0·9	16·8	93·2	19th	68·7	13th & 14th.
	Belgaum	2,539	27·272	+·018	29·758	27·369	12th	27·149	29th	·220	70·3	78·3	+2·6	66·0	−0·9	72·2	+0·9	12·3	86·3	24th	64·0	14th
	X.—Central India.																					
21	Neemuch	1,624	28·036	+·049	29·620	28·187	9th	27·747	6th	·440	76·5	86·5	−0·9	70·1‖	−3·6‖	79·3‖	−2·3	16·4	92·0	29th & 30th.	57·8	2nd
	Indore	1,823	27·868	+·049	29·645	27·988	22nd	27·597	5th	·401	75·7	83·9	−0·6	71·5	−1·1	77·7	−0·9	12·4	89·1	31st	66·1	8th
22	Nowgong	754	28·858	+·054	29·576	28·994	9th	28·609	5th	·385	82·0	91·6	+1·7	78·9	+0·8	85·3	+1·3	12·7	97·5	21st & 22nd.	72·5	6th
	Sutna	1,040	28·573	+·048	29·559	28·690	9th	28·289	5th	·401	82·1	91·3	+3·9	79·1	+2·1	85·2	+3·0	12·2	99·0	22nd	72·7	29th
	XI.—Central Provinces.																					
23	Buldana	2,132	27·613		29·688	27·743	12th	27·403	5th	·340	75·1	85·1		70·5		77·8		14·6	89·4	20th	67·5	6th
	Akola	930	28·726	+·051	29·671	28·929	12th	28·548	5th	·381	79·0	90·7	+1·7	74·3	0	82·5	+0·9	16·4	96·2	21st	70·1	6th
	Amraoti	1,215	28·485	+·045	29·656	28·616	12th	28·200	5th	·416	77·8	88·6	+1·3	73·8	+0·3	81·2	+0·8	14·8	94·8	21st	68·8	5th & 6t
24	Khandwa	1,044	28·654	+·052	29·659	28·789	12th	28·389	5th	·400	78·4	88·4	+0·8	74·8	−0·5	81·6	+0·1	13·6	92·7	27th	69·1	6th
	Hoshangabad	1,006	28·675	+·053	29·643	28·815	12th	28·338	5th	·477	78·9	87·8	+1·1	74·0	−1·2	80·9	−0·1	13·8	92·1	31st	63·9	6th
	Saugor	1,807	27·855	+·053	29·611	27·973	12th	27·542	5th	·431	77·2	86·7	+1·5	73·7	−0·2	80·2	+0·7	13·0	94·1	22nd	67·5	6th
	Jubbulpore	1,327	28·332	+·061	29·615	28·455	12th	27·983	5th	·472	78·6	88·1	+2·2	75·0	+0·4	81·6	+1·3	13·1	93·3	21st	69·8	6th
	Seoni	2,033	27·671	+·054	29·651	27·790	12th	27·316	5th	·474	76·2	84·6	+0·8	70·6	−2·0	77·6	−0·6	14·0	91·0	18th & 19th.	65·5	6th
	Nagpur	1,017	28·072	+·056	29·645	28·799	12th & 22nd.	28·344	5th	·455	78·6	88·0	+0·2	74·7	−0·4	81·4	−0·1	13·3	95·6	18th	67·8	6th
25	Pendra	2,123?	27·633		29·600	27·759	22nd	27·313	5th	·446	77·2	84·5		72·7		78·6		11·8	90·3	20th	65·7	6th
	Raipur	970	28·705	+·063	29·628	28·829	22nd	28·361	4th	·468	78·2	87·4	+0·9	75·3	+0·4	81·3	+0·7	12·1	94·7	20th	69·6	6th
	Chanda	*634*	29·082	+·059	29·662	29·204	22nd	28·870	5th	·334	80·7	89·1	+0·5	75·5	−0·4	82·3	+0·1	13·6	95·5	18th & 19th.	65·0	6th
	Jagdalpur	1,803	27·915		29·661	28·035	23rd	27·654	4th	·381	78·3	85·1		72·3		78·7		12·8	89·7	18th	67·1	5th

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 10 days.

—continued.

tions in India, etc., in July, 1910—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 May to 31st July, 1910.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July, 1910.	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.
3								N‡	S 61° W	†* 12·0	15·3	−3·3	60‡	− 5	83	0	·830	−·006	8·8	+0·3	8	10·73	−2·73	5·49	10·16	−4·67	13·44	12·63	+0·76	1·76	Deesa.
1					12	13	5	S 81° W	S 78° W	16·7	18·2	−1·5	82	+ 4	73	− 2	·826	−·050	7·9	+0·2	5	6·20	−1·20	8·44	7·47	+0·97	11·56	9·59	+ 4·97	3·89	Bhuj.
					22	6	3	S 60° W		19·6			88		78		·889		4·9		6			7·83			17·12			6·02	Jamnagar.
				3	18	8	2	S 58° W		19·9			86		79		·900		7·5		5			5·59			8·51			3·59	Dwarka.
				1	22	6	2	S 57° W	S 76° W	16·5	14·2	+2·3	92	+11	88	+ 5	·898	+·025	6·5	−1·5	6	11·20	−5·20	6·74	13·31	−6·57	17·06	18·65	− 1·59	2·24	Rajkot.
					15	15		S 67° W	S 75° W	23·2	13·4	+9·8	89	+ 6	87	− 1	·910	+·008	7·9	−0·7	4	10·90	−10·90	2·76	7·24	−4·48	9·97	12·49	− 2·52	1·37	Veraval.
					26	4	1	S 55° W	S 48° W	10·6	14·7	−4·1	91	+17	81	+ 1	·884	−·038	7·3	−0·3	11	10·20	+0·80	9·42	4·73	+4·69	16·53	9·85	+ 6·68	5·38	Bhavnagar Para.
1	1	1		6	10	8	1	S 47° W	S 55° W	8·6	13·0	−4·4	59	−18	85	0	·899	−·014	8·6	+0·6	10	16·10	−6·10	8·69	17·68	−8·99	22·96	27·43	− 4·47	2·40	Surat.
		7	1	1	11	2	1	S 14° W	S 55° W	6·9	6·6	+0·3	76	+ 5	85	+ 2	·879	−·011	9·1	+0·3	11	13·50	−2·50	7·44	12·59	−5·15	14·44	19·36	− 4·92	3·35	Ahmedabad.
		1	3	7	18	2		S 73° W	S 70° W	11·5*	19·4	−7·9	82	+ 8	83	− 3	·889	−·022	7·1	−1·9	13	23·00	−10·00	6·50	26·05	−19·55	30·03	46·39	−16·36	1·94	Bombay.
3	1		2	1	9	12	1	S 76° W	S 65° W	11·4	11·7	−0·3	56	−12	82	− 6	·850	−·041	7·9	−1·7	15	25·90	−10·90	13·57	35·68	−22·11	47·94	67·33	−19·39	5·55	Ratnagiri.
5	4	4			6	7	4	N 48° W	S 76° W	16·3‡	10·0	?	30	−44	89	+ 1	·850	−·037	9·4	+0·3	21			18·26	32·68	−14·42	62·64	63·73	− 1·09	3·90	Goa.
	1			3		17	7	N 83° W	N 63° W	10·8*	13·2	−2·4	69	−11	90	+ 1	·908	+·002	8·5	+0·9	16			13·83	31·88	−18·05	59·77	58·08	+ 1·69	2·80	Mormugao.
1	4		1	3	8	1	2	S 47° W	S 75° W	5·2*	5·8	−0·6	23	−44	85	0	·843	+·001	7·5	−0·5	17	27·40	−10·40	19·97	37·78	−17·81	78·58	77·04	+ 1·54	6·00	Karwar.
		1			10	19	1	S 76° W	S 75° W	12·2	11·5	−2·3	89	+ 3	75	− 3	·730	−·025	4·2	−3·5	6	7·30	−1·30	4·39	5·00	−0·61	14·71	10·17	+ 4·54	1·46	Malegaon.
1				1	5	13	11	N 80° W	S 74° W	10·9	20·7	−9·8	79	+ 4	74	− 8	·633	−·083	2·0	−5·8	7	6·40	+0·60	7·03	2·84	+4·19	16·33	8·86	+ 7·47	5·40	Ahmednagar.
					11	19	1	S 75° W	S 76° W	12·7*	16·9	−4·2	92	+ 6	78	− 4	·634	−·025	7·0	−1·8	9	12·50	−3·50	3·92	7·05	−3·13	11·98	13·11	− 1·13	1·42	Poona.
					8	5	13	N 48° W	S 69° W	9·3	14·4	−5·1	66	−18	74	+ 2	·677	−·004	7·3	−0·8	5	7·60	−2·60	3·94	4·19	−0·25	8·49	9·55	− 1·06	1·69	Sholapur.
3				1	10	13	5	S 84° W	S 74° W	13·3	10·2	+3·1	76	− 9	75	− 5	·658	−·040	5·0	−3·1	6	5·10	+0·90	2·66	2·02	+0·64	6·48	7·36	− 0·88	1·40	Bijapur.
1				1	14	13	2	S 71° W	S 77° W	*§ 20·6	26·4	−5·8	82	− 5	91	− 2	·672	−·010	8·8	−0·5	12	21·80	−9·80	9·40	15·46	−6·06	18·52	26·39	− 7·87	1·64	Belgaum.
																															X.—Central India.
				2	10	17		S 69° W	S 71° W	9·5	12·2	−2·7	82	+ 2	85	+ 3	·779	−·021	7·4	+0·6	9	10·10	−1·10	8·03	8·96	−0·93	15·24	14·36	+ 0·88	2·12	Neemuch.
1		1		2	2	20	4	S 89° W	S 81° W	7·0	6·7	+0·3	76	+ 1	84	− 3	·751	−·031	8·1	−0·6	6	12·50	−6·50	7·06	9·00	−1·94	1·61	15·94	+ 0·67	3·65	Indore.
1	1			2	2	23	1	S 85° W	S 84° W	5·2	4·2	+1·0	76	+18	75	− 8	·821	−·064	6·8	−0·2	8	14·80	−6·80	4·12	14·20	−10·08	10·24	22·68	−12·44	1·23	Nowgong.
1	3	1	1	1	10	12		S 61° W	S 74° W	6·3	9·2	−2·9	55	+11	74	− 9	·804	−·054	9·5	+2·4	8	15·00	−7·00	5·97	14·28	−8·31	15·09	21·98	− 6·89	2·87	Satna.
																															XI.—Central Provinces.
				2	7	14	8	S 88° W		7·6	9·3	−1·7	81		78		·643		6·8		8			5·96	8·87	−2·91	16·59	16·09	+0·50	2·20	Buldana.
				2	2	15	10	N 81° W	N 88° W	7·9	9·1	−1·2	76	− 6	73	− 6	·734	−·048	6·5	−1·4	6	12·30	−6·30	4·51	10·57	−6·06	13·56	16·20	− 2·64	1·28	Akola.
1				1	2	15	10	N 76° W	S 88° W	9·2	9·1	+0·1	79	− 4	79	− 7	·750	−·044	7·8	0	10	12·30	−2·30	8·29	9·88	−1·59	16·58	17·33	− 0·75	3·07	Amraoti.
				2	3	21	1	S 83° W	W	10·3	9·4	+0·9	89	+ 3	78	− 3	·761	−·025	5·5	−2·0	5	11·10	−6·10	6·76	8·89	−2·13	14·19	15·05	− 0·86	2·90	Khandwa.
					6	15	2	S 82° W	S 54° W	4·3	4·8	−0·5	69	− 6	82	− 6	·819	−·033	7·6	−0·8	8	16·10	−8·10	10·50	16·82	−6·32	19·87	24·15	− 4·28	3·88	Hoshangabad.
		1	2	2	5	19	1	S 73° W	S 80° W	8·5	6·4	+2·1	72	+ 1	81	− 6	·752	−·054	7·6	+0·4	10	16·50	−6·50	6·99	15·27	−8·28	11·62	24·56	−12·94	2·06	Saugor.
		1	2	4	9	8	7	S 68° W	S 74° W	3·9	4·7	−0·8	59	− 6	80	− 7	·779	−·049	6·7	−1·4	9	18·40	−9·40	8·80	20·15	−11·35	16·48	30·20	−13·72	2·10	Jubbulpore.
1			2		8	12	7	S 87° W	S 76° W	5·0	6·1	−1·1	69	+ 4	84	− 3	·752	−·037	5·8	−2·4	16	18·60	−2·60	13·12	17·09	−3·97	26·52	27·72	− 1·20	2·53	Seoni.
2			2	2	5	12	5	S 85° W	S 76° W	5·2	8·7	−3·5	59	− 9	78	− 5	·768	−·057	6·6	−1·6	14	15·80	−1·80	12·88	14·66	−1·78	30·47	23·90	+ 6·57	3·21	Nagpur.
2			3	8	4	3	7	S 55° W		6·5			37		81		·754		5·3		15			7·72			16·69			1·17	Pendra.
1		1	1	2	21	4	1	S 48° W	S 49° W	7·8	11·1	−3·3	76	+11	83	− 3	·894	−·037	7·6	−1·0	13	15·80	−2·80	14·07	15·89	−1·82	23·08	25·71	− 2·63	6·55	Raipur.
			2	2	10	10	5	S 70° W	S 69° W	6·0	6·0	0	66	−12	76	− 2	·795	−·001	6·9	−1·1	13	16·80	−3·80	8·86	18·08	−9·22	19·12	26·50	−7·38	2·82	Chanda.
	1		4	3	13	7	3	S 50° W					62		81		·788		6·0		12			19·82			31·92			3·30	Jagdalpur.

* Uncorrected for scale error. † Mean of 25 days. ‡ Mean of 5 days. § Mean of 30 days.

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

Number of subdivision.	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.
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	27·862	+·041	29·720	28·003	12th	27·690	5th	·313	75·3	87·2	+0·3	70·0	—0·6	78·6	—0·1	17·2	93·2	18th & 22nd.	67·2	6th & 13th.
	Nizamabad	1,248	28·478	+·047	29·680	28·606	22nd	28·298	5th	·308	77·9	89·6	+1·2	74·2	+0·3	81·9	+0·7	15·4	95·4	18th	70·2	5th
	Bidar	*2,165*	27·539?		29·639?	27·651	12th	27·392	5th	·259	75·6	86·1		66·9		76·5		19·2	92·9	21st	63·5	25th
29	Gulbarga	1,503	28·266	+·017	29·721	28·385	12th	28·132	3rd	·253	77·4	90·4	+0·6	72·7	+0·9	81·5	+0·7	17·7	97·0	18th	65·8	7th
	Raichur	*1,311*	28·467	+·013	29·723	28·570	12th	28·352	3rd	·218	78·1	91·7	+1·6	74·2	+1·1	83·0	+1·3	17·5	99·6	14th	71·6	31st
	Hyderabad (Deccan)	1,690	28·060	+·018	29·697	28·159	12th	27·914	3rd	·245	77·3	89·0	+1·9	74·1	+2·4	81·6	+2·1	14·9	95·8	18th	71·7	5th, 6th & 7th.
	Hanumkonda	877	28·853	+·042	29·675	28·965	22nd	28·680	4th	·285	79·7	89·3	+0·1	75·7	—0·4	82·5	—0·1	13·6	94·0	13th & 19th.	71·7	11th
	XIII.—Mysore.																					
30	Chitaldroog	2,405	27·431	+·009	29·782	27·531	12th	27·323	3rd	·208	71·5	82·9	+1·0	67·7	—0·7	75·3	+0·1	15·2	92·1	24th	64·9	15th
	Hassan	3,149	26·748	+·008	29·817	26·828	12th	26·667	29th	·161	69·4	79·3	+2·5	65·2	+0·3	72·3	+1·4	14·1	84·9	18th	61·7	15th
	Bangalore	3,021	26·860	—·002	29·801	26·944	12th	26·774	3rd	·170	70·6	83·2	+1·3	66·7	+0·9	74·9	+1·1	16·5	89·3	21st	64·8	6 days
	Mysore	2,518	27·357	—·008	29·819	27·436	12th	27·285	29th	·151	71·7	82·4	—0·3	67·1	+0·2	74·7	—0·1	15·3	88·0	14th, 18th & 22nd.	64·5	15th & 16th.
	XIV.—Madras.																					
31	Mangalore	65	29·790	—·017	29·787	29·863	13th	29·718	29th	·145	77·9	83·9	+0·1	70·7	—2·0	77·3	—0·9	13·2	89·8	3rd	67·8	26th
	Calicut	27	29·834	—·031	29·791	29·900	8th	29·778	25th	·122	76·8	81·8	—0·7	74·5‡	+0·6‡	78·2‡	—0·1	7·3	85·3	22nd	72·1	5 days
	Cochin	9	29·881	—·015	29·818	29·948	1st	29·831	25th	·117	78·2	84·1	+0·6	74·4	+0·3	79·2	+0·5	9·7	86·7	4 days	69·7	24th
	Trivandrum	198	29·677	—·017	29·808	29·747	1st	29·609	25th	·138	76·9	82·6	+0·5	74·3	—0·9	78·5	—0·2	8·3	86·0	25th	71·0	25th
32	Tinnevelly	168	29·665	—·006	29·762	29·734	1st	29·581	25th	·153	83·8	94·9	—0·9	77·8	—1·6	86·3	—1·3	17·1	100·2	4 days	70·9	23rd
	Pamban	37	29·778	—·019	29·742	29·849	1st	29·676	25th	·173	82·5	90·5	+1·2	78·2	—1·3	84·2	—0·1	12·1	92·7	8th & 13th.	74·0	28th
	Madura	447	29·376	+·002	29·757	29·449	12th	29·295	25th	·154	82·1	94·4	—2·8	74·2	—2·2	84·3	—2·5	20·2	99·4	9th, 13th & 14th.	67·1	17th
	Pudukkottai	318	29·488		29·737	29·566	12th	29·403	25th	·163	81·3	94·5		76·2		85·3		18·3	101·6	7th	70·8	9th
	Negapatam	31	29·767	—·019	29·727	29·851	9th	29·693	25th	·158	82·7	94·0	—1·9	77·7	—0·5	85·9	—1·2	16·3	101·0	3rd	73·5	28th
	Trichinopoly	255	29·558	—·011	29·746	29·630	12th	29·485	25th	·145	81·4	94·8	—2·7	76·2	—1·7	85·5	—2·2	18·6	100·1	14th	71·3	10th
	Coimbatore	1,341	28·465	—·013	29·780	28·558	13th	28·410	25th	·148	75·7	88·2	+0·2	71·3	+0·6	79·7	+0·4	16·9	93·9	19th	68·8	23rd & 24th.
	Salem	940	28·897	—·019	29·783	28·975	12th	28·799	26th	·176	77·3	92·0	—1·1	74·2	+1·2	83·1	+0·1	17·8	98·0	17th	71·4	9th & 27th.
	Cuddalore	37	29·755	—·005	29·722	29·842	11th	29·675	25th	·167	82·1	93·9	—2·0	77·6	—0·1	85·7	—1·1	16·3	102·6	8th	74·2	9th & 26th.
	Vellore	707	29·075		29·723	29·185	9th	28·992	25th	·193	80·2	92·0		74·9		83·5		17·1	99·7	8th	69·0	18th
	Madras	22	29·762	—·004	29·715	29·872	9th	29·679	3rd	·193	82·6	94·1	—1·6	78·2	—0·5	86·1	—1·1	15·9	102·5	7th	73·5	28th
33	Cuddapah	433	29·365	+·019	29·736	29·485	9th	29·256	3rd	·229	82·0	95·2	—0·1	77·3	—0·7	86·2	—0·4	17·9	103·2	22nd	71·6	26th
	Bellary	1,475	28·319	+·011	29·744	28·432	12th	28·210	3rd	·222	77·5	91·3	+0·4	73·9	—0·7	82·6	—0·1	17·4	98·0	9th	69·3	25th
	Kurnool	923	28·848	+·006	29·718	28·938	12th	28·732	3rd	·206	78·7	92·8	+1·4	75·5	+0·8	84·2	+1·1	17·3	99·2	21st & 22nd.	71·1	5th
34	Nellore	66	29·694	+·015	29·692	29·805	9th	29·589	3rd	·216	83·5	95·7	—1·6	78·8	—0·8	87·3	—1·2	16·9	103·1	14th & 17th.	74·1	9th & 10th.
	Masulipatam	15	29·734	+·032	29·684	29·846	12th	29·594	4th	·252	82·8	91·8	—0·9	77·8	—0·3	84·8	—0·6	14·0	99·3	19th	73·2	4th & 19th.
	Cocanada	26	29·707	+·050	29·669	29·846	12th	29·520	3rd	·326	81·0	89·3	—2·4	78·2	—1·1	83·8	—1·7	11·1	96·7	18th	73·5	4th
	Waltair (Vizagapatam).	*226*	29·490	+·061	29·657	29·623	22nd	29·249	3rd	·374	80·9	86·4		78·1		82·2		8·3	93·1	1st	72·9	4th
	Calingapatam	19	29·683		29·642	29·813	23rd	29·406	3rd	·407	82·3	89·6		79·1		84·3		10·5	97·9	17th	74·0	4th & 5th.
	Gopalpur	72	29·600	+·062	29·614	29·746	23rd	29·251	4th	·495	80·9	86·9	—0·5	78·0	—1·2	82·5	—0·9	8·9	93·7	17th	72·5	4th

‡ 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.

—continued.

tions in India, etc., in July, 1910—continued.

Wind direction. Number of winds from 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, 1910.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July, 1910.	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
																															XII.—Hyderabad.
				1	3	14	11	N 80° W		16·8			79		79	− 2	·694		7·5		7	11·60	−4·60	7·67	6·58	+1·09	13·75	12·27	+1·48	4·69	Aurangabad.
				1	12	9	2	S 67° W		6·3			69		76	− 4	·725		5·1		10	15·70	−5·70	6·89	10·53	−3·64	17·29	15·46	+1·83	2·14	Nizamabad.
					10	2	10	W		6·1			52		75		·659		8·2		10	12·60	−2·60	9·56	8·80	+0·76	19·52	15·54	+3·98	3·28	Bidar.
2	4				7	10	8	N 72° W	S 84° W	9·6	15·8	−6·2	62	−19	70	− 9	·655	−·063	5·0	−3·2	9	9·10	−0·10	3·66	5·31	−1·65	8·57	12·18	−3·61	0·89	Gulbarga.
1					8	8	13	N 78° W	S 50° W	9·8	14·9	−5·1	76	+ 7	71	− 4	·683	−·030	7·1	+0·5	8	9·20	−1·20	3·16	5·53	−2·37	5·87	9·37	−3·50	0·95	Raichur.
						20		W	N 85° W	4·8	9·9	−5·1	65	−27	73	− 5	·683	−·025	7·4	−0·1	7			3·48	6·73	−3·25	10·12	12·09	−1·97	1·34	Hyderabad (Deccan).
			2	3	8	8	4	S 64° W		6·3			53		76	+ 4	·768		7·3		13	12·50	+0·50	8·86	9·14	−0·28	18·48	15·61	+2·87	3·41	Hanumkonda.
																															XIII.—Mysore.
1					10	14	6	S 83° W	S 72° W	8·7	11·6	−2·9	82	−11	85	+ 3	·666	+·007	9·1	−0·2	10	8·60	+1·40	8·48	2·79	+5·69	12·67	10·33	+2·34	4·52	Chitaldroog.
	1				9	14	5	S 85° W	S 87° W	9·9	5·0	+4·9	74	−15	87	+ 2	·625	+·002	7·6	−0·9	11	12·60	−1·60	5·27	3·85	+1·42	14·65	14·03	+0·62	1·25	Hassan.
1		1			8	13	3	S 84° W	S 66° W	9·5	9·6	−0·1	82	− 8	84	0	·628	+·009	8·5	+0·3	11	8·20	+2·80	10·44	4·06	+6·38	13·88	11·33	+2·55	3·96	Bangalore.
1	1				12	11	2	S 75° W	S 67° W	9·5	13·4	−4·9	63	−24	83	+ 1	·647	+·015	8·5	0	17	7·30	+9·70	6·66	2·32	+4·34	13·30	9·50	+3·80	1·31	Mysore.
																															XIV.—Madras.
9	2				2	9	3	N 61° W	N 76° W	5·3*	3·1	+2·2	43	+ 3	87	− 4	·846	−·015	8·0	−1·0	24	27·80	−3·80	23·22	36·03	−12·81	67·22	78·91	−11·69	4·53	Mangalore.
2	1	1	3			5	6	N 48° W	N 11° W	6·1	7·9	−1·8	27	+ 5	92	+ 1	·846	+·014	7·4	−1·2	16	26·20	−10·20	15·49	29·05	−13·56	53·43	72·44	−19·01	2·67	Calicut.
4	7	2	1	1		5	7	N 10° W	N 24° W	7·0*	6·3	+0·7	40	+ 8	82	− 6	·795	−·040	7·4	−0·9	18	23·40	−5·40	23·81	21·21	+2·60	62·84	62·59	+0·25	8·42	Cochin.
16							15	N 22° W	N 18° W	8·6*	9·0	−0·4	99	+20	86	− 2	·799	−·012	8·7	+0·2	13	13·10	−0·10	11·90	6·86	+5·04	25·19	28·36	−3·17	5·97	Trivandrum.
4	1				6	12	7	N 75° W	N 72° W	7·7	9·3	−1·6	65	−15	59	0	·676	−·021	6·8	0	2	0·60	+1·40	4·96	0·27	+4·69	5·06	2·20	+2·86	3·33	Tinnevelly.
1		1	1	7	8	3	1	S 33° W	S 51° W	8·9	12·0	−3·1	49	−26	79	+ 2	·872		4·2		4	0·60	+3·40	2·08	0·17	+1·91	2·21	0·84	+1·37	1·45	Pamban.
1	1				1	13	14	N 64° W	N 59° W	7·2	3·8	+3·4	82	+17	66	+ 2	·717	−·008	7·3	+2·1	6	3·00	+3·00	5·42	2·06	+3·36	10·57	5·96	+4·61	1·87	Madura.
2				1	2	5	13	N 61° W		9·6			55		78		·830		7·3		7			4·32			8·03			1·21	Pudukkottai.
1				1	4	22	3	S 89° W	S 77° W	7·8	7·4	+0·4	89	+ 6	69	+ 2	·782	+·005	4·9	−0·9	7	3·50	+3·50	8·00	1·88	+6·12	8·50	4·99	+3·51	3·52	Negapatam
					8	19		S 77° W	S 86° W	6·5*	9·8	−3·3	86	− 1	67	+ 5	·725	+·027	5·3	−1·8	9	1·90	+7·10	5·16	1·31	+3·85	10·01	5·75	+4·26	1·50	Trichinopoly.
					14	1		S 48° W	S 49° W	6·1	7·3	−1·2	49	−30	87	+ 3	·781	+·033	5·9	−0·6	5	3·70	+1·30	2·40	1·23	+1·17	3·64	5·16	−1·52	1·29	Coimbatore.
				6	9	10		S 53° W	S 25° W	5·0	4·7	+0·3	63	− 7	85	+ 7	·798	+·032	5·6	−0·8	11	7·00	+4·00	13·87	3·48	+10·39	19·47	11·46	+8·01	3·20	Salem.
2				1	19	6		S 58° W	S 76° W	7·4	2·4	+5·0	72	0	77	0	·850	−·022?	6·1	−0·4	8	5·50	+2·50	3·70	3·53	+0·17	5·38	5·81	−0·43	1·22	Cuddalore.
	3	1	9	3		2		S 45° E		3·3			32		75		·770		6·3		10	6·30	+3·70	16·43	3·58	+12·85	23·28	9·22	+14·06	4·93	Vellore.
			1	4	9	14	2	S 66° W	S 72° W	6·9*	7·9	−1·0	76	− 8	76	+ 7	·846	+·054	6·1	−1·3	7	12·70	−5·70	7·65	4·02	+3·63	9·36	7·13	+2·23	4·58	Madras.
	2		1		1	17	10	N 73° W	S 88° W				79	0	68†	0	·760†	+·007	7·5	−0·3	6	6·20	−0·20	8·20	3·72	+4·48	10·65	8·87	+1·78	3·34	Cuddapah.
			1		4	14	9	N 83° W	S 87° W	8·4	11·9	−3·5	72	−18	67	+ 2	·629	−·018	7·6	−0·6	7	3·70	+3·30	4·59	1·68	+2·91	7·95	5·44	+2·51	2·08	Bellary.
1			1		15	5	9	S 79° W	S 87° W	9·3*			69	− 3	74	+ 2	·722	+·002	7·4	−0·7	10	9·30	+0·70	2·89	4·95	−2·06	7·19	9·26	−2·07	0·54	Kurnool.
2				4	7	9	7	S 84° W	N 78° W	7·3*	10·0	−2·7	62	−10	71	+ 3	·809	+·001	7·7	+0·1	5	4·80	+0·20	5·41	2·84	+2·57	6·67	4·43	+2·24	3·02	Nellore.
		1		3	8	11	5	S 75° W	N 69° W	7·3	8·7	−1·4	82	−20	88	+ 9	·979	+·107	7·7	−0·3	11	9·40	+1·60	7·88	5·65	+2·23	15·90	11·75	+4·15	3·35	Masulipatam.
2					11	6	4	S 84° W	S 74° W	6·3	8·4	−2·1	56	−28	92	+15	·948	+·114	7·7	−0·3	13	9·90	+3·10	3·47	5·94	+1·49	13·69	11·63	+2·06	1·93	Cocanada.
	1		1		23		1	S 45° W	S 75° W	9·5			69	−11	81	+ 5	·864	−·003	8·1	−0·2	12	7·70	+4·30	10·84	4·53	+6·31	17·70	10·83	+6·87	2·29	Waltair (Vizagapatam).
1	1			3	14	5	5	S 66° W		8·0			65		84		·915		6·5		10			11·62			16·27			4·40	Calingapatam.
4				9	11	2	2	S 45° W	S 49° W	13·1	12·7	+0·4	49	−16	88	+ 3	·918	−·012	6·1	−2·2	10	9·40	+0·60	7·83	7·75	+0·08	21·46	15·99	+5·47	3·75	Gopalpur.

* Uncorrected for scale error.

† Mean of 19 days.

Tab

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

Number of subdivision.	Station.	Elevation of barometer 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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	2
	Bay Islands.																						
1	P. V. Fraser	8	29·688		29·615	29·850	22nd	29·180	3rd	·670	83·6												
	Port Blair	58	29·778	+·006	29·766	29·868	12th	29·654	2nd	·214	81·1	86·6	+1·2	77·6	+0·2	82·1	+0·7	9·0	91·2	20th	73·5	7th & 31st.	17
	Slipper Island	90	29·719		29·743	29·845	22nd	29·487	2nd	·358	81·5	85·0		78·2†		81·7†		6·8	87·6	17th & 19th.	74·1	31st	13
	Kashmir.																						
14	Muzaffarabad	2,475	27·200		27·600	27·371	9th	27·017	2nd	·354	80·0	85·0		78·4		81·7		6·6	90·2	3rd	75·1	1st	15
	Srinagar	5,204	24·666	−·001	24·637	24·783	22nd	24·517	2nd	·269	70·3	84·5	−0·4	65·2	+0·6	74·8	+0·1	19·3	93·1	17th	58·6	4th	31
	Gulmarg	*8,569*	21·755	−·009	21·723	21·862	22nd	21·606	2nd	·256	61·0	68·2	−0·2	50·9	+0·8	59·6	+0·3	17·3	71·7	16th	44·3	1st	27
	Sonemarg	*8,764*	21·730		21·698	21·843	22nd	21·579	2nd	·264	55·4	70·5		49·7		60·1		20·8	76·4	5th, 17th & 24th.	44·1	2nd	32
	Dras	*10,059*	20·690	−·019	20·658	20·796	9th	20·564	2nd	·232	58·8	76·4	−2·8	46·5	−0·9	61·4	−1·9	29·9	81·9	19th	40·5	2nd	44
	Leh	11,503	19·642	−·001	19·610	19·740	22nd	19·542	2nd	·198	58·7	76·5	−1·7	50·8	+0·2	63·6	−0·7	25·7	83·1	18th	43·5	12th	39
	Skardu	*7,505*	22·670	−·024	22·640	22·835	22nd	22·552	26th	·283	70·1	88·5	+3·6	61·8	+1·2	75·2	+2·4	26·7	97·4	18th	52·1	2nd	45
	Minimarg	*9,359*					Obser	vations	not avai	labl:.													
	Astor	*7,955*																					
	Gilgit	4,890	24·839		24·812	25·003	9th	24·691	19th	·309	81·0	96·8	+0·2	71·3	−2·0	81·0	−0·9	25·5	108·2	18th	63·2	1st	45
	Baluchistan.																						
16	Quetta	5,502	24·440	+·014	24·400	24·536	22nd	24·364	3rd	·172	76·9	92·3	−0·4	62·9	−1·8	77·6	−1·1	29·4	97·6	20th	54·5	3rd	42
	Chaman	4,311	25·433	−·006	25·395	25·528	22nd	25·330	2nd	·198	85·4	98·9	−2·1	75·1	−1·9	87·0	−2·0	23·8	104·8	20th	68·7	1st	36
	Robat		26·613		26·571	26·684	10th	26·516	15th	·168	90·8	106·9		79·8		93·3		27·1	111·0	5 days	70·8	3rd	40
	Hill Stations excluding Kashmir and Baluchistan.																						
	Chitral	*5,486*									76·4	91·4		62·0‡		76·7‡		P	96·7	2nd, 19th & 20th.	58·0	1st	38
	Para Chinar	6,000	24·286		24·253	24·402	9th	24·189	15th	·213	73·3	81·7		63·8		72·8		17·9	86·5	19th	58·0	9th	28
	Cherat	*4,256*	25·507	+·025	25·475	25·638	9th	25·340	2nd	·298	73·4	82·4	−6·2	68·5	−2·2	75·4	−4·2	13·9	91·7	4th	61·5	9th	30
	Murree	6,333	23·706	+·002	23·674	23·814	9th	23·555	2nd	·259	64·7	72·2	−4·8	61·0	−1·5	66·6	−3·1	11·2	78·6	5th	54·2	13th	24
	Simla	7,232	22·991	+·024	22·953	23·098	22nd	22·825	2nd	·273	61·3	66·4	−2·8	59·1	−1·0	62·7	−1·9	7·3	69·8	3rd	57·1	14th	12
	Sarain		23·012		22·973	23·109	22nd	22·851	2nd	·258	62·4	71·2		58·8		65·0		12·4	76·0	4th	55·3	3rd	20
	Kalabagh		20·057		20·019	20·140	9th & 23rd.	19·928	2nd	·212	50·2	55·7		47·4		51·5		8·3	59·6	4th	43·9	15th	15
	Chakrata	7,022	23·171	+·029	23·131	23·276	23rd	23·014	2nd	·262	62·5	68·6	−1·3	59·7	−0·5	64·2	−0·9	8·9	73·3	5th & 6th.	54·7	15th	18
	Muktesar	7,592	22·715	−·009	22·674	22·807	22nd	22·560	2nd	·247	60·2	67·1	−4·0	56·3	−2·4	61·7	−3·2	10·8	72·5	16th	54·0	13th	19
	Darjeeling	7,376	22·894	−·019	22·849	23·003	22nd	22·755	2nd	·248	60·8	65·9	−0·1	57·8	+0·1	61·9	0	8·1	70·8	4th	55·2	5th	15
	Shillong	4,920	25·025		24·977	25·137	5th	24·891	2nd	·246	66·8	73·8		63·3		68·5		10·5	79·9	3rd & 4th.	61·7	7 days	16
	Cherra Poonjee	4,309	25·484		25·435	25·623	5th & 11th.	25·334	2nd	·289	66·1	71·3		63·4		67·4		7·9	79·2	3rd	53·1	13th & 16th.	28
	Maymyo	3,545	26·325	+·038	26·270	26·445	22nd	26·146	2nd	·299	68·8	78·1	−1·0	65·5	+0·1	70·8	−0·5	10·6	79·0	13th	59·6	23rd	19
	Pachmarhi	3,528	26·292	+·073	26·232	26·408	12th	26·015	5th	·393	70·3	77·5	+1·7	67·4	−0·6	72·4	+0·5	10·1	82·5	22nd	60·6	6th & 7th.	23
	Mount Abu	3,945	25·842	+·026	25·792	25·982	22nd	25·585	6th	·397	66·5	72·2	−2·4	64·5	−1·2	68·3	−1·8	7·7	78·2	30th	60·9	8th	17
	Mercara	3,781	26·164	−·003	26·097	26·234	12th & 13th.	26·088	29th	·146	64·7	71·2	+2·3	62·2	0	66·7	+1·1	9·0	76·0	23rd	60·0	15th	13
	Ootacamund	*7,327*	22·990		22·926	23·062	13th	22·929	3rd & 30th.	·134	56·6	62·6		51·5		57·0		11·1	67·0	13th & 20th.	47·2	17th	1
	Kodaikanal	7,688	22·754	−·013	22·689	22·831	13th	22·688	24th	·143	56·5	62·3	−0·6	52·2§	−0·5	57·3§	−0·5	10·1	68·0	14th	48·0	11th	2

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

† Mean of 29 days.
‡ " " 8 "
§ " " 30 "

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

B—continued.

stations in India, etc., in July, 1910—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, 1910.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July, 1910.	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
																																Bay Islands.
	1	2	1	2	3	17	4	1	S 45° W					58		91		1·076		7·6		8			5·19			13·85			2·00	P. V. Fraser.
6				5	4	7	8	1	S 41° W	S 61° W	9·5	11·6	—2·1	53	—28	84	— 3	·888	—·039	7·0	—1·5	14			10·41	15·68	—5·27	37·85	51·42	—13·57	2·43	Port Blair.
			2	3	5	15	6		S 35° W		15·1			72		84		·904		8·2		15			10·09			20·23			1·81	Slipper Island.
																																Kashmir.
		2					9	20	N 54° W		0·3			87		76		·784		5·3		11			8·43			16·02			2·24	Muzaffarabad.
12	2	1		6	2	1	1	6	W	S 48° E	2·3	3·9	—1·6	3	—19	81	— 4	·604	—·038	4·5	—0·1	4	5·30	—1·30	1·15	2·97	—1·82	4·20	7·36	— 3·16	0·40	Srinagar.
8		7	12	3				1	N 79° E		2·9			59		81	0	·438		5·7		9			3·11	4·36	—0·95	8·73			0·61	Gulmarg.
26		5							N 45° E		2·3			13		88		·394		5·8		11			1·90			7·83			0·35	Sonemarg.
22			1			1	4	2	N 82° W		6·3			17		68	+ 7	·339		3·8		4	0·90	+3·10	0·91	0·89	+0·02	3·23	5·13	— 1·90	0·37	Dras.
27				1	2	1			S	S 85° W	3·7	2·1	+1·6	27	—16	60	+ 8	·298	+·043	5·8	+1·6	1	1·20	—0·20	0·48	0·40	+0·08	0·58	0·79	— 0·21	0·14	Leh.
12		1	4	2	3	4			S 16° E		8·3			37		44	— 7	·320		4·7		0	0·70	—0·70	0·25	0·63	—0·38	1·01	2·32	—1·31	0·07	Skardu.
														Observations not available.																		Minimarg. Astor.
29							2		W		1·4			6		47	+ 1	·494	+·043	2·9	—1·2	0	2·00	—2·00	0·07	0·84	—0·77	1·34	1·76	—0·42	0·05	Gilgit.
																																Baluchistan.
27				3		1			S 27° E	S 6° W	3·1	3·3	—0·2	10	+ 3	52	— 5	·473	—·064	1·9	+0·8	1	0·60	+0·40	0·32	0·98	—0·66	0·55	1·57	— 1·02	0·26	Quetta.
1	1		1	2	5	19		2	S 35° W	S 33° W	8·3	9·4	—1·1	69	+ 9	34	+ 1	·414	—·014	1·4	+0·8	0	0·30	—0·30	0·01	0·14	—0·13	0·33	0·28	+ 0·05	0·01	Chaman.
2		6	14	3	2	4			S 81° E		8·7			56		44		·627		0		0			0			0·04			0	Robat.
																																Hill Stations excluding Kashmir and Baluchistan
21		8		2					N 60° E		10·1			26		60		·547		0·6		3			2·05			2·62			1·15	Chitral.
20						1			S		2·8			2		73		·601		6·7		9	7·80	+1·20	5·97	3·81	+2·16	17·52	7·26	+10·26	2·60	Para Chinar.
46	2			4	8	1			S 12° E	S 18° E	8·2	9·1	—0·9	30	— 2	81	+ 9	·661	+·028	6·2	+2·0	7			5·75	4·88	+0·88	13·36	6·82	+ 6·54	1·35	Cherat.
10	2	2		6	6			5	S 33° E	S 86° E	4·8	6·1	—1·3	13	+ 8	88	+11	·546	+·029	7·3	+2·6	17	16·20	+0·80	13·41	11·85	+1·56	20·16	18·34	+ 1·82	1·84	Murree.
																92	+ 4	·497	—·015	9·0	+0·6	25	18·90	+6·10	26·88	16·84	+10·04	35·10	27·75	+ 7·35	2·88	Simla.
25		1	1		1	3			S 17° W		1·6			10		82		·486		8·8		21			9·10			15·66			1·43	Sarain.
9	3			9	3	2		5	S 14° E		9·5			13		95		·314		9·8		24			14·76			21·69			1·88	Kalabagh.
13	1			2	14	1			S 3° E	S 48° W	4·2	6·2	—2·0	49	+38	95	+ 4	·544	+·007	9·0	+3·1	24	19·80	+4·20	23·24	20·07	+3·17	39·47	31·27	+ 8·20	2·82	Chakrata.
9			3		1	2	16		S 81° W		8·1			46		96	+ 6	·501		9·2		21			17·17	12·98	+4·19	31·16	19·99	+11·17	3·01	Muktesar.
22	1	3				2	3		N 53° W	S 83° E	2·2	3·6	—1·4	10	—20	95	— 1	·515	—·009	9·8	+0·2	26	22·94	+3·06	41·47	33·50	+7·97	64·80	66·05	—1·25	5·51	Darjiling.
25		1		1	3			1	N 17° E		2·4			7		87		·577		9·0		24	18·00	+6·00	27·46	13·19	+14·27	55·80	39·21	+16·59	5·50	Shillong.
3	3	3	7	3	6	3	3		S 50° E		3·0			27		97		·625		8·7		28	27·30	+0·70	127·22	96·70	+30·52	267·25	218·19	+19·06	30·25	Cherra Poonjee.
13				2	3	13			S 30° W		3·9			49		90	+ 4	·647		6·2		14	12·10	+1·90	7·91	7·97	—0·06	29·61	25·59	+ 4·02	0·93	Maymyo.
1		1			1	7	19	2	S 82° W	S 85° W	6·6	10·3	—4·2	82	+ 7	90	0	·662	—·003	7·2	—1·6	11	22·00	—11·00	18·42	25·11	—6·69	27·40	36·53	— 9·13	5·69	Pachmarhi.
1	1	1		2	23	1	2		S 50° W	S 55° W	14·6	11·5	+3·1	76	+ 8	97	+ 1	·632	—·013	9·5	+0·6	21	17·60	+3·40	21·05	23·23	—2·18	31·62	30·43	+ 1·19	3·82	Mount Abu.
3	1				1	12	14		N 66° W	N 84° W	7·1	9·8	—2·7	82	— 8	98	+ 2	·589	+·002	8·9	+0·1	21	29·10	—8·10	27·37	40·35	—12·98	57·27	73·48	—16·21	4·69	Mercara.
10			2	3	3	10	3		S 78° W		6·1			33		90		·416		8·1		23	12·30	+10·70	12·95	5·94	+7·01	24·69	18·05	+ 6·64	2·77	Ootacamund.
1	1	3	1	2		8	15		N 49° W		13·8*			59		86	+ 5	·398		6·4		21	8·40	+12·60	10·94	4·46	+6·48	25·80	13·57	+12·23	1·22	Kodaikanal.

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

* Uncorrected for scale error.

T

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

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.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Extra India.																					
	Singapore (a)	10	29·908		29·839	29·975	24th	29·834	19th	·141	82·7	87·0		74·0		80·5		13·0	91·0	5th	72·0	1st
	Penang (a)	20	29·895		29·840	29·988	8th	29·767	18th	·221	82·2	90·4		71·2		80·8		19·2	92·0	8th	70·0	8 days
	Trincomalee	99									77·3	91·7	+0·1	75·4	−2·2	83·5	−1·1	16·3	98·5	7th	72·0	20th
	Colombo	24	29·852	−·039	29·802	29·921	1st	29·765	20th	·156	77·5	86·0	+0·6	75·4	−2·2	80·7	−0·8	10·6	88·0	5 days	71·5	25th
	Minicoy	7	29·893			29·955	1st	29·822	25th	·133												
	Amini Divi	*13*	29·865	−·003	29·806	29·931	13th	29·807	3rd	·124	81·5	86·0	+1·0	76·5	−1·0	81·2	0	9·5	89·0	8th	71·0	10th
	Gyantse	13,120	17·012		16·973	17·112	17th	16·954	1st	·158	52·0	69·8		44·2		57·0		25·6	79·3	6th	41·2	17th & 24th.
	Pharijong	14,400									47·0	65·0		24·1		44·7		40·9	74·1	20th	22·8	2nd
	Gangtok	5,660?	24·288		24·243	24·395	9th	24·223	25th	·172	65·6	71·9		61·7		66·8		10·2	77·6	24th	59·5	30th
	Gartok (c)	14,240	17·523§			17·725	8th	17·425	25th, 27th & 31st.	·300	50·4	64·4		41·3		52·9		23·1	72·7	7th	31·3	15th
	Kashgar (c)	4,255	25·353			25·480	25th	25·260	20th & 31st.	·220	78·9	94·9	+3·4	70·3	+1·7	82·6	+2·5	24·6	103·1	21st	60·3	2nd
	Kabul									Observa	tons	doubt	ful.									
	Meshed	3,104	26·637		26·615	26·774	9th	26·457	14th	·317	78·8	93·3		54·7	−10·8	74·0		38·6	101·6	19th	46·8	1st & 2nd.
	Jask	13	29·525	−·005	29·495	29·675	22nd	29·362	3rd	·313	87·2	91·8	−1·0	85·9	+1·1	90·3	+0·1	8·9	101·3	20th	83·8	28th
	Muscat	20	29·530	+·014	29·497	29·675	22nd	29·369	3rd	·306	87·4	93·6	+2·2	85·0	−2·5	89·3	−0·1	8·6	104·3	21st	82·1	27th & 28th.
	Bahrein	18	29·520		29·489	29·635	18th	29·442	25th	·193	92·5	98·4		84·9		91·6		13·5	102·4	17th	79·8	8th & 9th.
	Bushire	14	29·494	+·013	29·467	29·609	22nd	29·401	20th	·208	89·2	95·3	0	83·2	−1·1	89·2	−0·5	12·1	103·3	15th	78·0	11th
	Busrah	25	29·438		29·471	29·624	23rd	29·379	2nd	·245	89·1	105·0		84·8		94·9		20·2	108·9	11th	80·1	7th
	Kerman										78·8	99·1		63·5		81·3		35·6	106·2	24th	54·5	2nd
	Ispahan (b)	*5,817*	24·205			24·370	9th	24·080	3rd	·290	81·7	96·3	−2·1	67·8	+1·5	82·0	−0·3	28·5	102·4	22nd & 23rd.	58·2	10th
	Tehran (b)††	*4,002*	25·515			25·750	9th	25·350	15th	·400	78·5	99·3¶	+1·0¶	73·3	+1·2	86·4¶	+1·1	26·0	106·6	20th	70·0	5 days
	Baghdad	127	29·407	−·038	29·501	29·525	12th	29·261	30th	·264	88·5	111·6	+4·4	79·4	0	95·5	+2·2	32·2	116·2	12th	72·8	14th
	Beirut‡	111			29·718						80·6	86·8		72·7		79·8		14·1	91·2	24th	68·0	12th
	Aden	94	29·637	+·017	29·651	29·751	13th	29·516	29th	·235	87·7	94·3	+1·2	83·7	+1·4	89·0	+1·3	10·6	98·8	7th	81·9	7th & 10th.
	Perim	201	29·523	−·002	29·655	29·601	13th	29·412	30th	·189	87·7	94·8	−1·6	83·9	+0·5	89·3	−0·5	10·9	100·7	4th	80·2	11th
	Zanzibar	72	30·078	−·021	30·078	30·136	1st & 2nd.	30·005	20th	·131	73·7	79·8	−0·4	71·9	−0·7	75·8	−0·5	7·9	81·5	10th	70·2	5th

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.

§ Mean of 25 days.
¶ „ „ 28 „

†† 7 hrs. observations.
‡ 8½ hrs. observations.

—concluded.

ations in India, etc., in July, 1910—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 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 norma	Total rainfall from 1st May to 31st July, 1910.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period 1st May to 31st July, 1910	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
																															Extra India.
		5	4	5	4	2		S 16° E		5·0*			37						4·7		8			6·48			19·97			2·72	Singapore.
5	5	4	10	7				S 69° E		10·2*			53						0·3		8			2·98			21·33			1·12	Penang.
					28	2		S 47° W	S 45° W	9·2*	16·3	—7·1	99	— 1	79	+ 1	·738	—·129	5·2	+2·0	5			4·01	1·97	+ 2·04	7·85	5·94	+ 1·91	1·18	Trincomalee.
1					10	16		S 75° W	S 65° W	4·7*	9·3	—4·6	79	— 4	88	+ 9	·838	—·014	8·8	+2·6	6			3·51	4·83	— 1·32	15·67	24·18	—8·51	1·88	Colombo.
						14	17	N 65° W	N 87° W	11·8	17·0	—5·2	90						6·2		13			6·11	6·66	— 0·55	27·42	21·66	+5·76	1·31	Minicoy.
6					6	3	16	N 34° W		19·0			74		79	—5	·855	—·051	7·5	0	13			9·36	9·91	— 0·55	23·44	27·15	—3·71	4·00	Amini Divi.
	1	6			1			S 45° E		2·0			27		76		·293		4·9		12			3·83			5·86			0·59	Gyantse.
2	1	2	5	10	2	7	2	S 20° W		7·5			39		86		·282		7·1		16			4·67			7·12			0·45	Pharijong.
					2			S 45° W		0·9			3		94		·593		7·4		30			29·10			59·06			2·26	Gangtok.
			3	4				S 18° E		8·1			16						5·5		3			1·84			1·84			0·62	Gartok.
							1	N 45° W	N 52° W	2·2	4·9	—2·7	3	— 4	77	+34	·757	+·346	2·5	—0·9	0			0·06	0·29	—0·23	1·43	1·48	— 0·05	0·06	Kashgar.
								Observations doubtful.																							Kabul.
1							1	N 27° W		1·8			6		37		·363		0		0			0	0·01	— 0·01	1·32	0·98	+ 0·34	0	Meshed.
1	1	19	5				3	N 83° E	S 66° E	12·5	15·2	—2·7	68	+11	79	+ 7	1·021	—·008	2·4	+0·7	0			0	0·02	— 0·02	0	0·13	—0·13	0	Jask.
2	4	11	1			1	3	N 61° E	N 72° E	4·0	4·6	—0·6	43	— 3	76	0	·973	—·058	3·9	+1·4	0			0	0·04	— 0·04	0	0·40	—0·40	0	Muscat.
4	2	2	3	2	4	8	6	N 72° W		6·7			29		56		·844		0·4		0			9			0·06			0	Bahrein.
2	4	2	7	1	2	5	7	N 31° W	N 37° W	9·7	8·5	+1·2	10	—34	69	+5	·931	+·015	0·5	—1·4	0			0	0	0	0	0	0	0	Bushire.
				6	4	17	4	S 75° W		4·7			78		53		·731		0		0			0			0·59			0	Busrah.
5	3	1		3	8	6	5	N 81° W		5·0†			29		33		·327		0·7			No rain gauge.									Kerman.
2		1				2		N 27° W	N 43° W	2·3	3·6	—1·3	6	—26	37	—12	·405	—·121	0·3	—0·5	1			0·13	0·06	+ 0·07	0·23	0·17	+ 0·06	0·10	Ispahan.
4	6		3	2	1	1		N 59° E	S 41° W	2·7	2·3	+0·4	19	— 2	48	+13	·467	+·071	1·0	0	0			0·06	0·41	— 0·35	0·45	0·78	—0·33	0·06	Tehran.
5	1						20	N 33° W	N 11° W	10·3	4·6	+5·7	78	+ 4	26	—16	·352	—·229	0·3	+0·3	0			0	0	0	0·20	0·24	— 0·04	0	Baghdad.
1					29		1	S 48° W					90		65		·690		0·7		0			0			0·50			0	Beirut.
	9		11		10			S 40° E	S 12° W	9·1	10·6	—1·5	33	—19	71	0	·925	+·047	4·0	+0·3	0			0	0·03	— 0·03	0	0·23	—0·23	0	Perim.
										11·7	15·3	—3·6			64	— 1	·839	—·047	3·4	—0·2	0			0	0·03	— 0·03	0·07	0·40	— 0·33	0	Zanzibar.
				12	15	1		S 28° W	S 15° W	7·9	8·2	—0·3	84	— 6	85	0	·706	—·010	5·9	—0·1	9			3·30	2·47	+ 0·83	15·09	14·61	+ 0·48	0·73	

* Uncorrected for scale error.
† Mean of 30 days.

Table C.—Abstract of observations taken at 8 hrs. at 38 fourth class stations in India, etc., in July, 1910.

T

Abstract of observations taken at 8 hrs., at 38 fo

Number of subdivision.	Station.	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.	Wind direction. Number of winds from Calm.	N.	NE.	E.	SE.	S.	SW.	W.	NW.	Resultant 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
	II.—Eastern Bengal and Assam.																							
4	Bishnath	78·5	87·1	...	73·8	...	80·5	...	13·3	93·1	2nd	70·7	5th	22·4	...	...	...	...	...	...	...	...	...	...
	Borjuli	78·9	87·3	...	74·9	...	81·1	...	12·4	94·8	3rd	72·7	5th, 6th & 27th.	22·1	...	...	...	...	...	...	...	...	...	...
	Chandkhira	78·1	87·7	...	...	...	...	...	...	95·4	3rd	...	...	...	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	79·1	88·4	...	74·9	...	81·7	...	13·5	96·8	3rd	73·2	30th & 31st.	23·6	...	...	...	...	...	...	...	...	...	...
	Dikom	78·3	87·8	...	75·7	...	81·8	...	12·1	95·4	2nd	73·6	27th	21·8	...	...	...	...	...	...	...	...	...	...
	Golaghat	80·5	81·1	...	...	...	...	...	...	85·3	6th	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	78·2	87·6	...	74·4	...	81·0	...	13·2	96·0	3rd	72·0	13th, 23rd & 24th.	24·0	...	...	...	...	...	...	...	...	...	...
	Jorehat	80·9	87·5	...	76·0	...	81·7	...	11·5	92·4	3rd	73·3	28th	19·1	...	...	...	...	...	...	...	...	...	...
	Messa	80·2	90·4	...	75·5	...	82·9	...	14·9	96·5	4th	73·6	10th	22·9	...	...	...	...	...	...	...	...	...	...
	Panerihat	75·5	86·2	...	74·3	...	80·3	...	11·9	92·1	4th	71·3	6th	20·8	...	...	...	...	...	...	...	...	...	...
	Srimangal	79·9	88·6	...	75·7	...	82·2	...	12·9	96·3	3rd	73·6	13th & 27th.	22·7	...	...	...	...	...	...	...	...	...	...
5	Brahmanbaria	82·1	86·8	...	76·5	...	81·7	...	10·3	94·6	3rd	73·1	8th	21·5	...	...	...	...	...	...	...	...	...	...
	Dam Dim	79·1	91·5	...	74·2	...	82·9	...	17·3	95·4	3rd & 4th.	72·4	29th	23·0	...	...	...	...	...	...	...	...	...	...
	Goalundo	82·4	87·8	...	77·0	...	82·4	...	10·8	93·6	23rd	72·3	15th	21·3	...	...	...	...	...	...	...	...	...	...
	Kalchini	79·9	86·5	...	73·5	...	80·0	...	13·0	95·1	4th	70·9	29th	24·2	...	...	...	...	...	...	...	...	...	...
	Nagrakata	77·9	85·0	...	74·4	...	79·7	...	10·6	93·1	4th	72·0	29th & 30th.	21·1	...	...	...	...	...	...	...	...	...	...
	Pabna	82·2	88·5	...	65·4	...	78·5	...	20·1	93·6	3rd	64·7	19th	28·9	...	...	...	...	...	...	...	...	...	...
	XI.—Central Provinces.																							
24	Chhindwara	75·1	84·3	...	71·1	...	77·7	...	13·2	90·0	21st	64·8	6th	25·2	...	...	...	...	1	2	5	16	7	S 88° W
	XIV.—Madras.																							
34	Guntur	82·2	92·8	...	77·4	...	85·1	...	15·4	101·2	13th	73·0	13th	28·2	...	...	...	...	...	...	...	...	...	...
	Bay Islands.																							
1	Car Nicobar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kashmir.																							
14	Jammu	83·5	92·3	...	77·3	...	84·8	...	15·0	98·5	5th	70·8	5th	27·7	...	15	5	4	2	3	...	1	1	N 25° E
	Kargil	68·9	85·9	...	61·4	...	73·6	...	24·5	93·1	18th	51·2	2nd	41·9	...	12	1	3	2	...	...	...	13	N 11° W
	Hill Stations, exclusive of Kashmir.																							
	Panighatta	78·2	85·0	...	73·2	...	79·1	...	11·8	93·1	4th	70·1	30th	23·0	...	...	...	...	...	...	...	...	...	...
	Kurseong	67·2	72·4	...	64·9	...	68·7	...	7·5	77·5	13th	62·2	5th	15·3	...	...	...	...	...	...	...	...	...	...

ss stations in India, etc., in July, 1910.

ND VELOCITY.		WIND STEADINESS.		HYGROMETRY, 8 HRS.				CLOUD.		RAINFALL.									Heaviest rainfall during month.	STATION.
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, 1910.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July, 1910.		
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	...	·915	...	...	...	26	...	...	21·43	...	...	45·19	...	...	3·15	Bishnath.
...	...	...	...	91	...	·899	...	...	...	26	...	...	24·83	...	...	47·43	...	...	3·20	Borjuli.
...	...	...	...	93	...	·892	...	...	...	27	...	...	23·18	...	...	65·86	...	...	6·24	Chandkhira.
...	...	...	...	89	...	·876	...	...	...	29	...	...	22·36	...	...	51·50	...	...	2·51	Doom Dooma.
...	...	...	...	94	...	·906	...	...	...	25	...	...	21·39	...	...	50·29	...	...	3·19	Dikom.
...	...	...	...	87	...	·903	...	...	...	20	...	...	15·04	...	...	41·13	...	...	3·97	Golaghat.
...	...	...	...	91	...	·878	...	...	...	24	...	...	28·19	...	...	69·38	...	...	8·30	Hailakandi.
...	...	...	...	85	...	·887	...	...	...	20	...	...	15·65	...	...	35·45	...	...	3·74	Jorehat.
...	...	...	...	88	...	·899	...	...	...	26	...	...	29·52	...	...	51·93	...	...	4·02	Messa.
...	...	...	...	96	...	·845	...	...	...	21	...	...	28·23	...	...	52·74	...	...	4·67	Panerihat.
...	...	...	...	88	...	·898	...	...	...	21	...	...	17·48	...	...	49·16	...	...	3·13	Srimangal.
...	...	...	...	84	...	·923	...	...	...	20	...	...	12·51	...	...	36·72	...	...	2·41	Brahmanbaria.
...	...	...	...	99	...	·987	...	...	...	27	...	...	74·52	...	...	127·53	...	...	8·21	Dam Dim.
...	...	...	...	85	...	·947	...	...	...	16	...	...	10·99	...	...	37·42	...	...	4·17	Goalundo.
...	...	...	...	89	...	·917	...	...	...	27	...	...	62·76	...	...	114·14	...	...	9·66	Kalchini.
...	...	...	...	92	...	·877	...	...	...	27	...	...	66·93	...	...	114·59	...	...	8·42	Nagrakata.
...	...	...	...	87	...	·953	...	...	...	17	...	...	18·31	...	...	35·62	...	...	2·72	Pabna.
																				XI.—Central Provinces.
·4	...	...	78	...	83	...	·719	...	...	...	10	...	...	8·85	...	...	18·73	...	...	2·71	Chhindwara.
																				XIV.—Madras.
...	...	...	...	...	80	...	·875	...	7·6	...	9	...	...	4·21	...	...	14·56	...	...	0·74	Guntur.
																				Bay Islands.
...	...	...	...	...	...	...	...	...	...	...	12	...	...	6·42	...	...	38·17	...	...	1·51	Car Nicobar.
																				Kashmir.
...	...	...	55	...	79	...	·909	...	5·9	...	13	...	...	14·09	...	...	17·54	...	...	2·12	Jammu.
...	...	...	71	...	45	...	·310	...	5·1	...	1	...	...	0·33	...	...	1·34	...	...	0·10	Kargil.
																				Hill Stations, exclusive of Kashmir.
...	...	...	...	...	88	...	·850	...	...	...	27	...	...	52·64	...	...	92·64	...	...	6·20	Panighatta.
...	...	...	...	...	95	...	·631	...	...	...	28	...	...	54·55	...	...	92·55	...	...	7·10	Kurseong.

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Abstract of observations taken at 8 hrs. at 38

Number of subdivision.	Station.	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.	Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W	W.	N.W.	Resultant 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
	Hill Stations, exclusive of Kashmir—*concld.*																							
	Gnatong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lachung										Observations not received.													
	Ringim										Ditto		ditto.											
	Poo†	...	76·1	...	52·2	...	64·2	...	23·9	79·5	7th	47·9	1st	31·6	17	...	...	...	2	1	4	2	4	S 72°
	Kailang	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Drosh	77·9	92·7	...	71·7	...	82·1	...	21·0	99·2	19th	60·1	9th & 10th.	39·1	...	...	8	...	2	...	12	...	7	N 81°
	Pishin	...	94·8	...	67·4	...	81·1	...	27·4	100·6	20th & 24th.	58·0	2nd	42·6	...	...	...	...	...	...	...	...	...	...
	Kalat	75·4	90·2	−2·9	58·9	+5·7	74·5	+1·4	31·3	96·0	28th	49·9	2nd	46·1	...	4	...	6	...	20	...	1	...	S 14°
	Extra India.																							
	Ahwaz	...	112·8	...	86·4	...	99·6	...	26·4	116·8	10th, 12th & 29th.	82·0	21st	34·8	...	...	...	...	...	...	...	...	...	...
	Birjand											Observations not received.												
	Chumbi	55·7	65·4*	...	52·1	...	58·7	...	13·3	73·0	4th	47·9	3rd	25·1	...	...	...	...	...	...	...	...	...	...
	Kirmanshah	83·2	96·3	...	60·9	...	78·6	...	35·4	102·8	9th	54·0	3rd	48·8	...	...	...	...	...	...	...	...	...	...
	Koweit	...	105·8	...	84·6	...	95·2	...	21·2	113·9	28th	78·7	8th	35·2	3	...	...	...	2	...	1	3	22	N 54°
	Maidan	...	115·3	...	82·9	...	99·1	...	32·4	118·2	6 days	74·9	25th	43·3	...	...	...	...	...	...	...	...	...	...
	Mahommerah	...	103·1	...	80·7	...	91·9	...	22·4	109·5	13th	76·2	6th	33·3	...	7	...	...	4	4	...	...	7	N 22°
	Pemba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

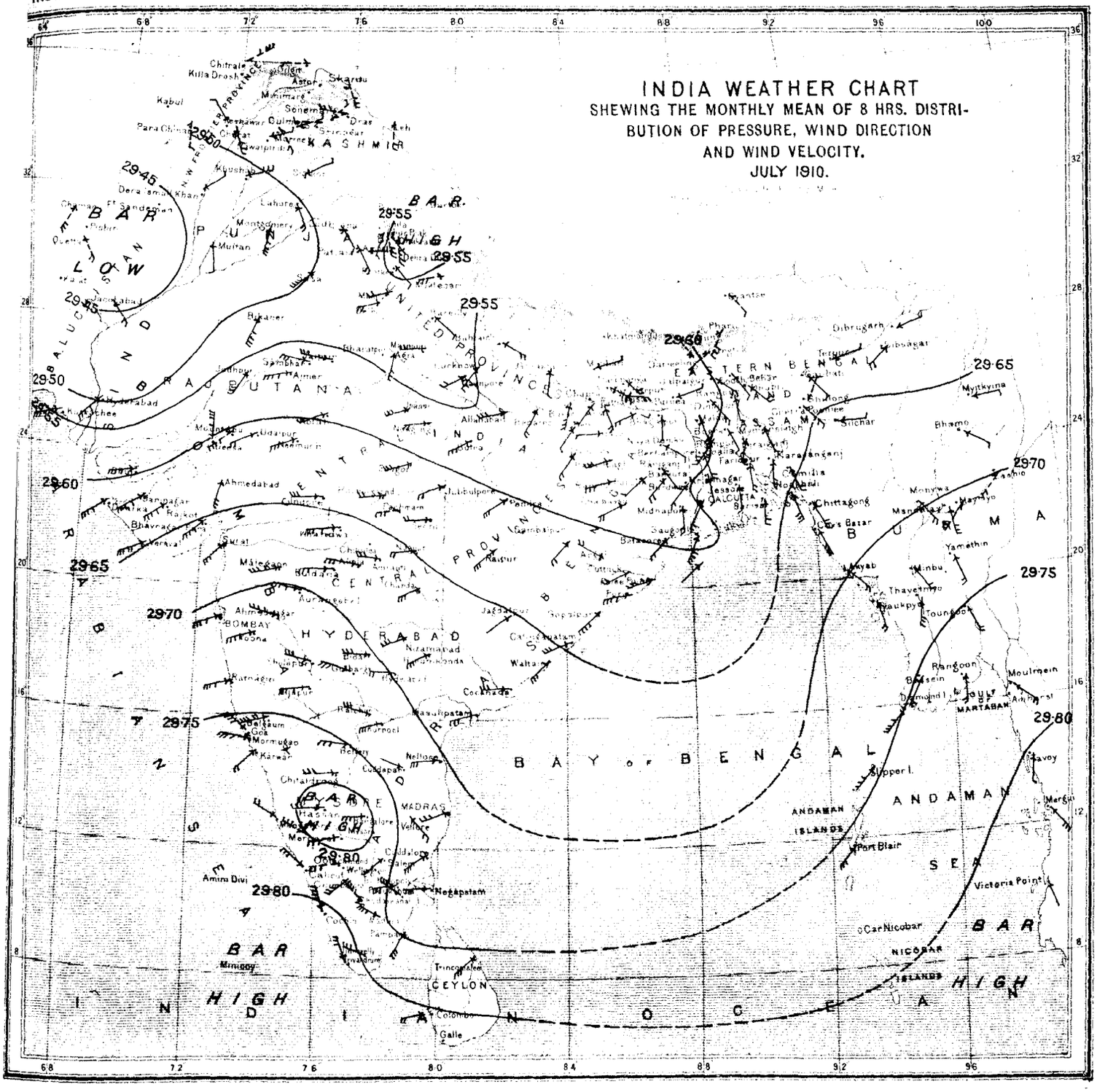
* Uncorrected for scale error. † Observations of 30 days. ‡ Mean of 30 days.

C—*concluded.*

class stations in India, etc., in July, 1910—concluded.

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, 1910.	Normal rainfall for period, 1st May to 31st July.	Departure from normal of period, 1st May to 31st July, 1910.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					Hill Stations, exclusive of Kashmir—*concld.*
...	...	...	...	...	...	...	...	...	...	...	31	...	...	48·33	...	...	82·70	...	...	4·19	Gnatong.
						Observations not received.															Lachung.
							Ditto		ditto.												Ringim.
...	...	...	23	...	...	...	...	...	6·4	...	0	...	...	0·01	1·14	—1·13	1·09	2·12	—1·03	0·01	Poo.
...	...	...	...	...	...	...	...	...	...	...	1	...	...	0·28	1·30	—1·02	3·64	5·22	—1·58	0·20	Kailang.
...	...	...	20	...	70	...	·672	...	1·1‡	...	3	...	...	1·44	...	...	3·36	...	...	0·90	Drosh.‖¶
...	...	...	...	...	...	...	...	...	1·8	...	1	...	...	0·31	0·08	+0·23	0·53	0·30	+0·23	0·26	Pishin.
...	...	...	55	...	47	...	·411	...	...	...	1	1·00	0	0·16	0·62	—0·46	0·18	1·34	—1·16	0·16	Kalat.
																					Extra India.
...	...	...	...	...	...	...	...	...	0·1	...	0	...	...	0	...	...	0·13	...	...	0	Ahwaz.
						Observations not received.															Birjand.
...	...	...	...	...	89	...	·392	...	...	...	21	...	...	7·38	...	...	13·37	...	...	1·20	Chumbi.
...	...	...	...	...	30	...	·340	...	...	...	0	...	...	0	...	...	2·19	...	...	0	Kirmanshah.
...	...	...	71	...	...	...	...	...	...	...	0	...	...	0	...	...	0·45	...	...	0	Koweit.
...	...	...	...	...	...	...	...	...	...	...	0	...	...	0	...	...	0	...	...	0	Maidan.
...	...	...	19	...	...	...	...	...	...	...	0	...	...	0	...	...	0·38	...	...	0	Mahommerah§
...	...	...	...	...	...	...	...	...	...	...	12	...	...	3·34	...	...	22·72	...	...	0·58	Pemba.
...	...	...	...	...	...	...	...	...	...	...	9	...	...	4·70	...	...	16·49	...	...	1·66	Prison Island.

§ Wind variable 9. ‖ Wind variable 1. ¶ Wind observation less 1.



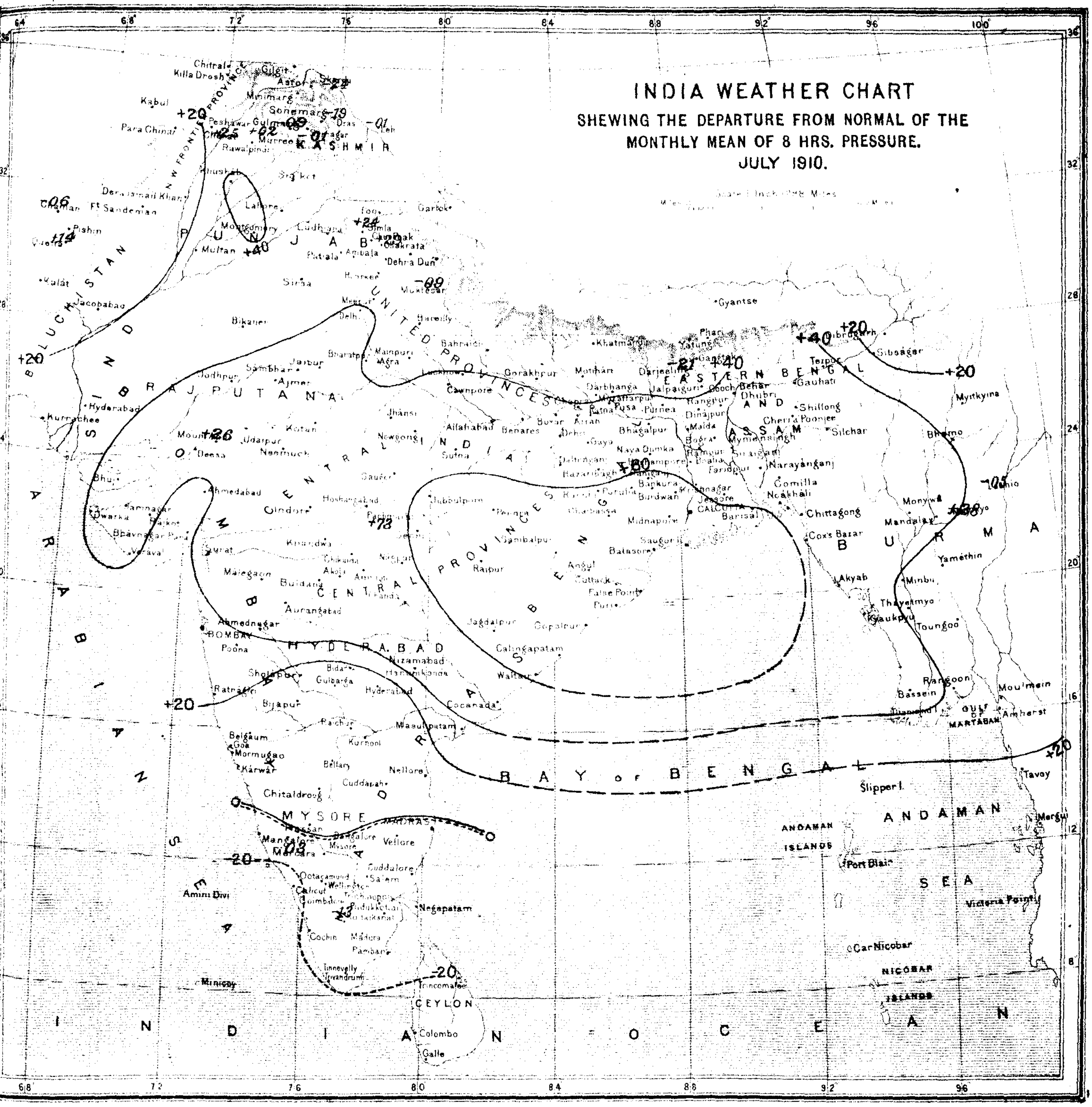
Reg. No. 4101 E. 10—2.—5.10.

LITHO. BY S.B.M.

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	,, ,, ,, ,, ,,



Reg. No. 4101 E., 10—Z.—300.

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.

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

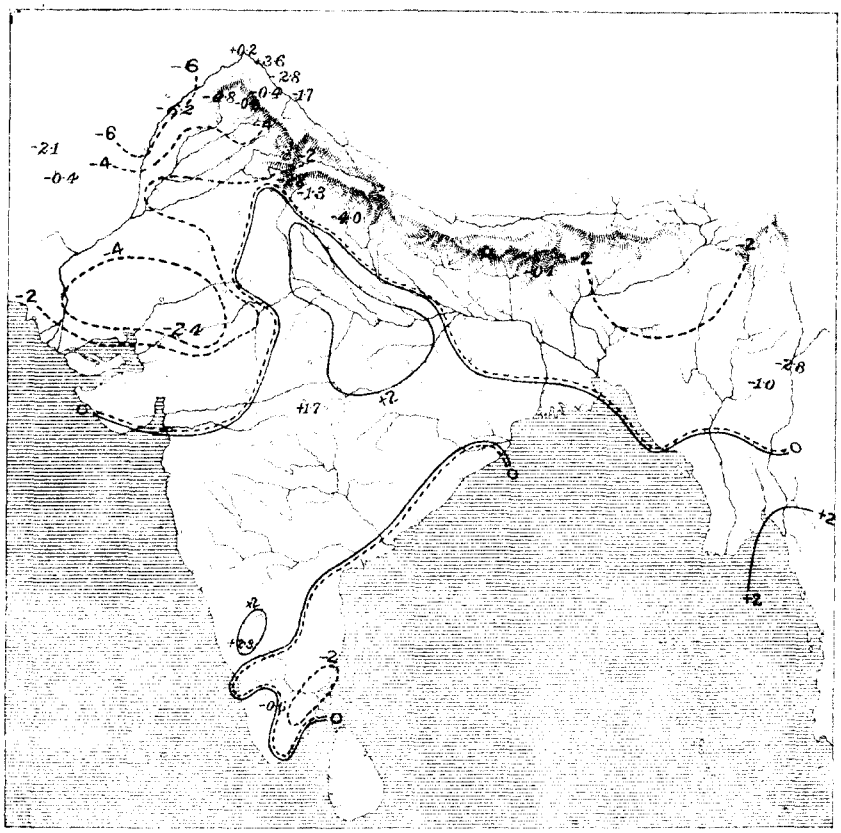


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

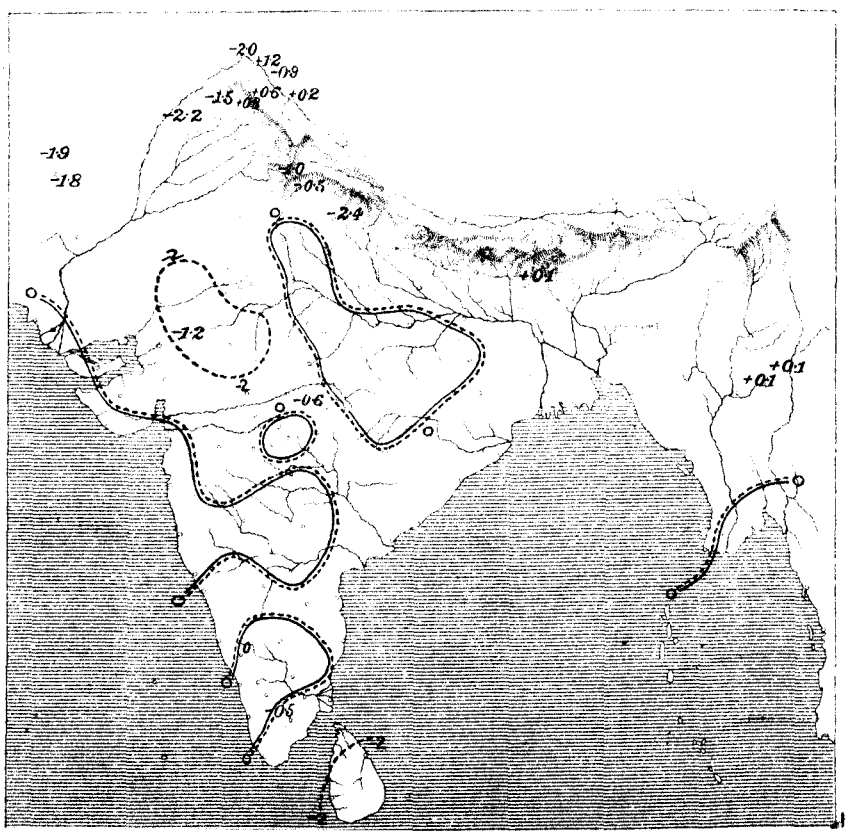


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MEAN TEMPERATURE.

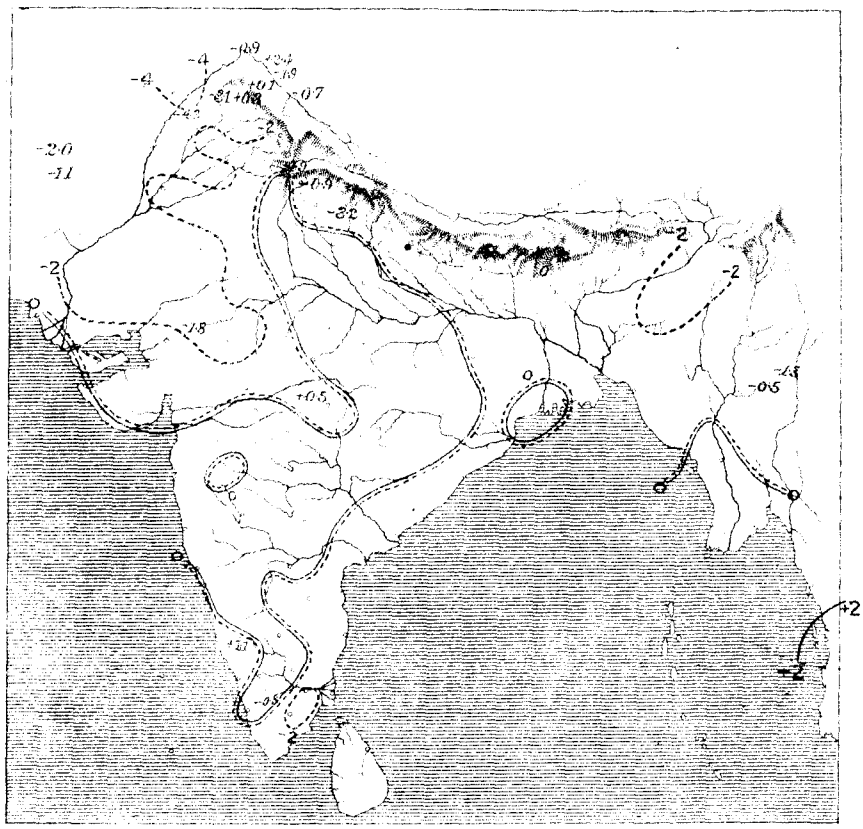
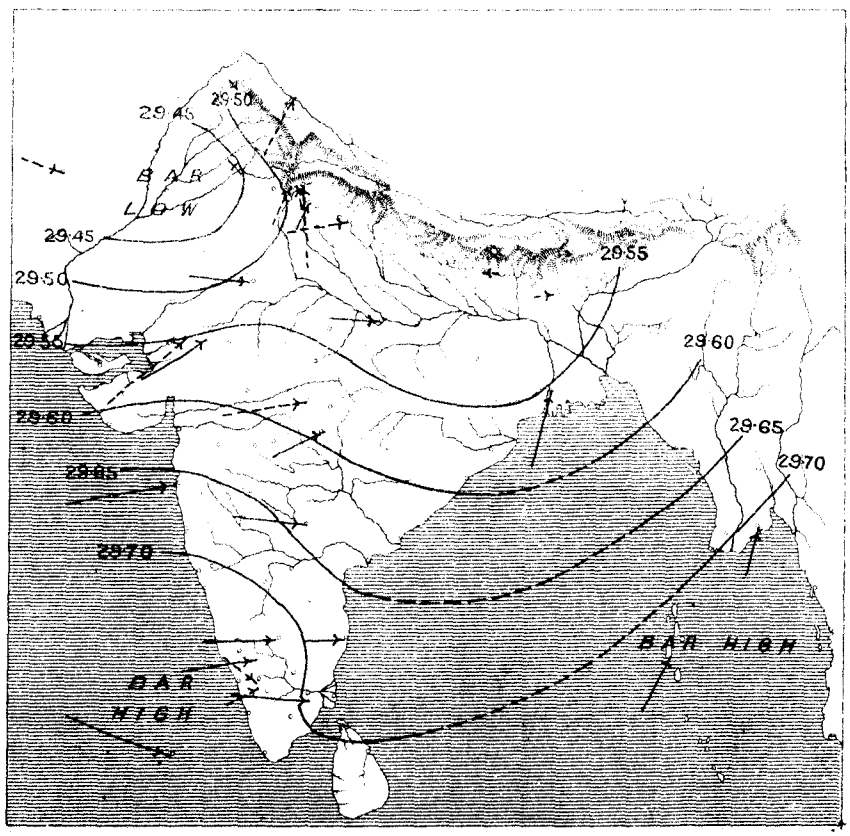


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.



LITHO. BY S.B.M.

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

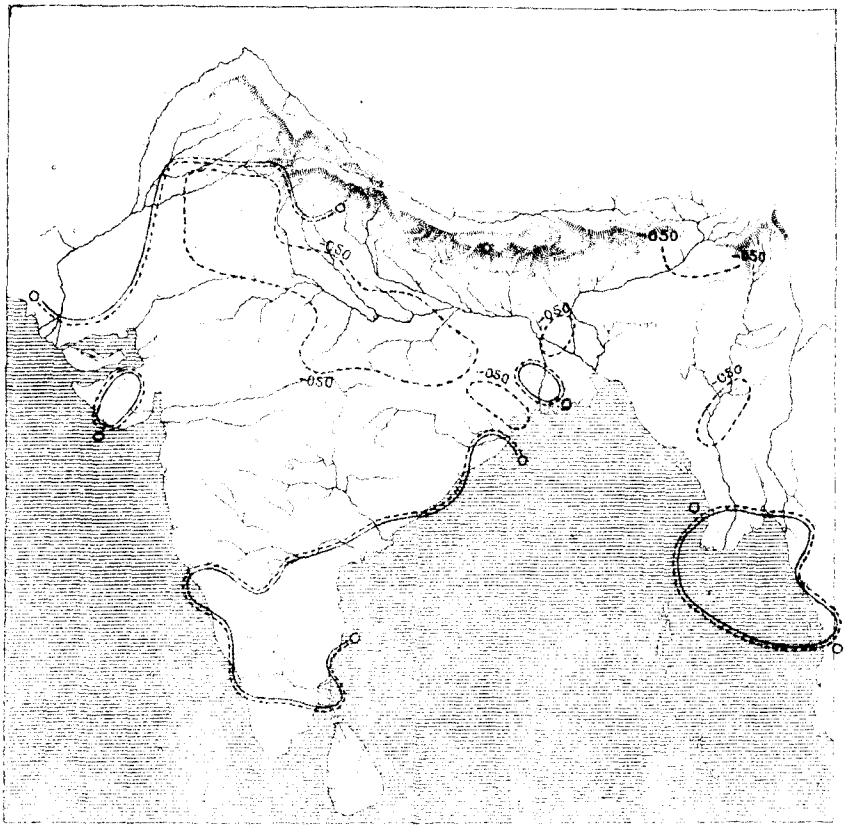
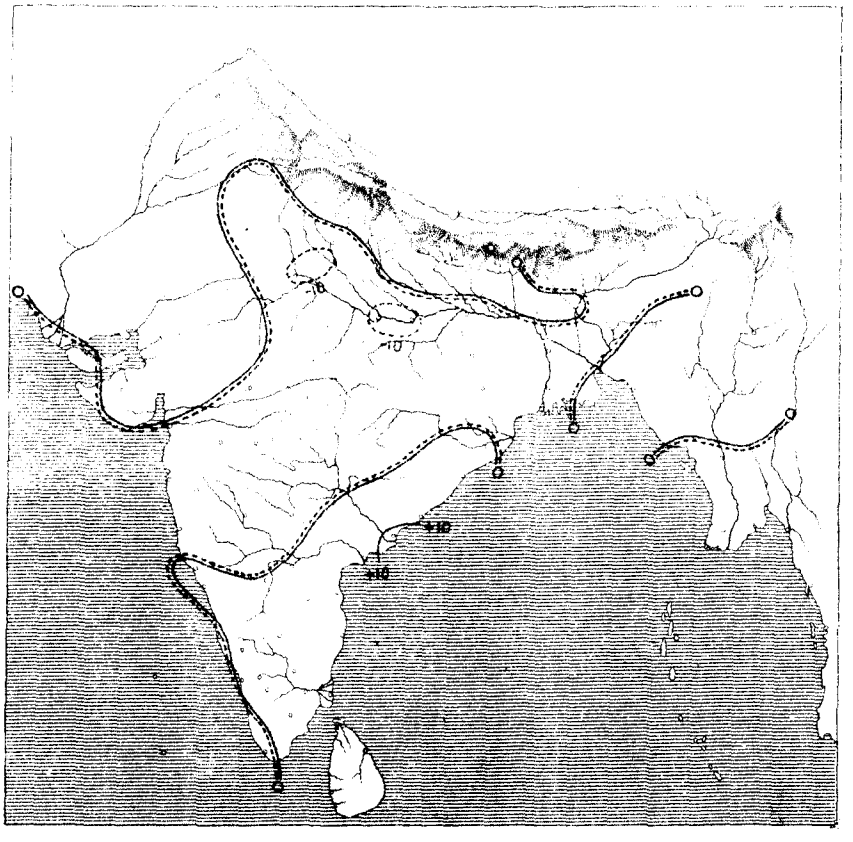


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.



LITHO. BY S. S. MUNDLE.

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

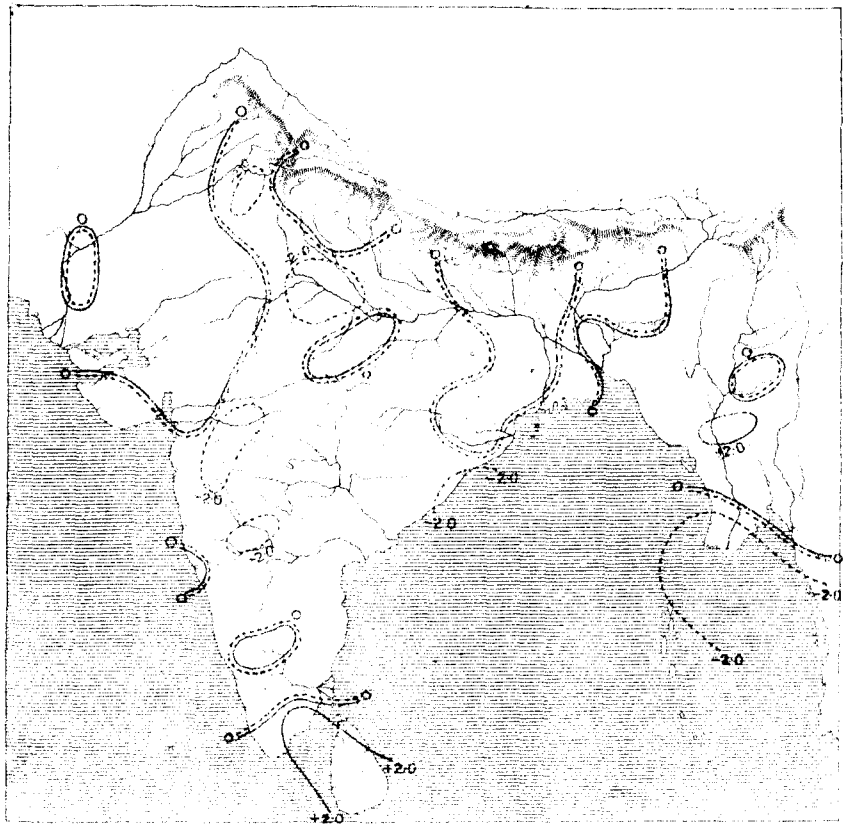
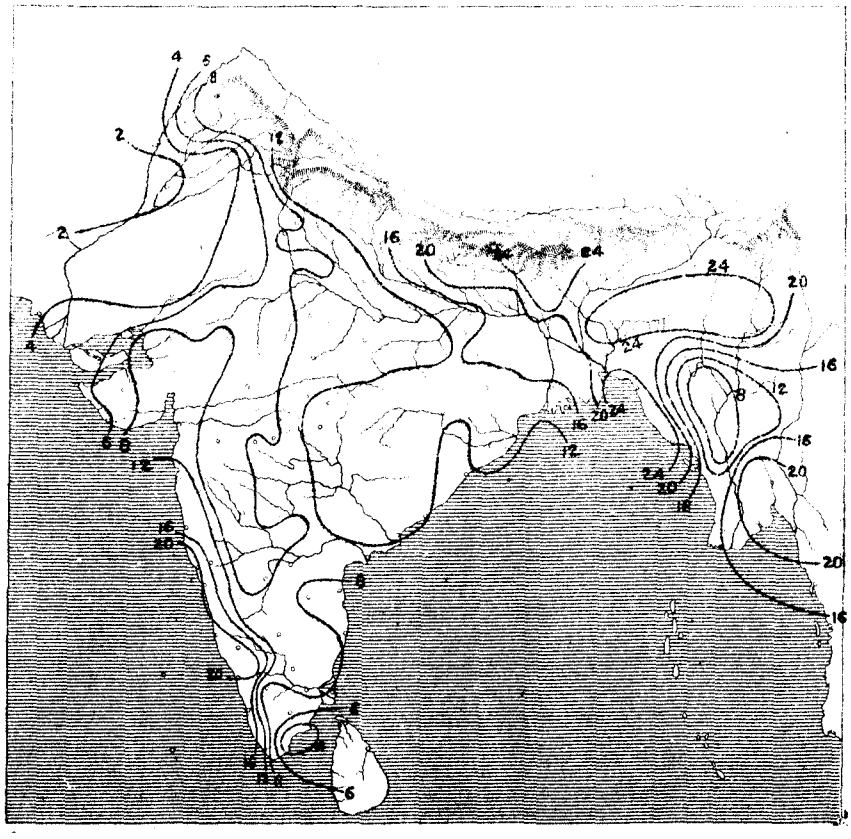
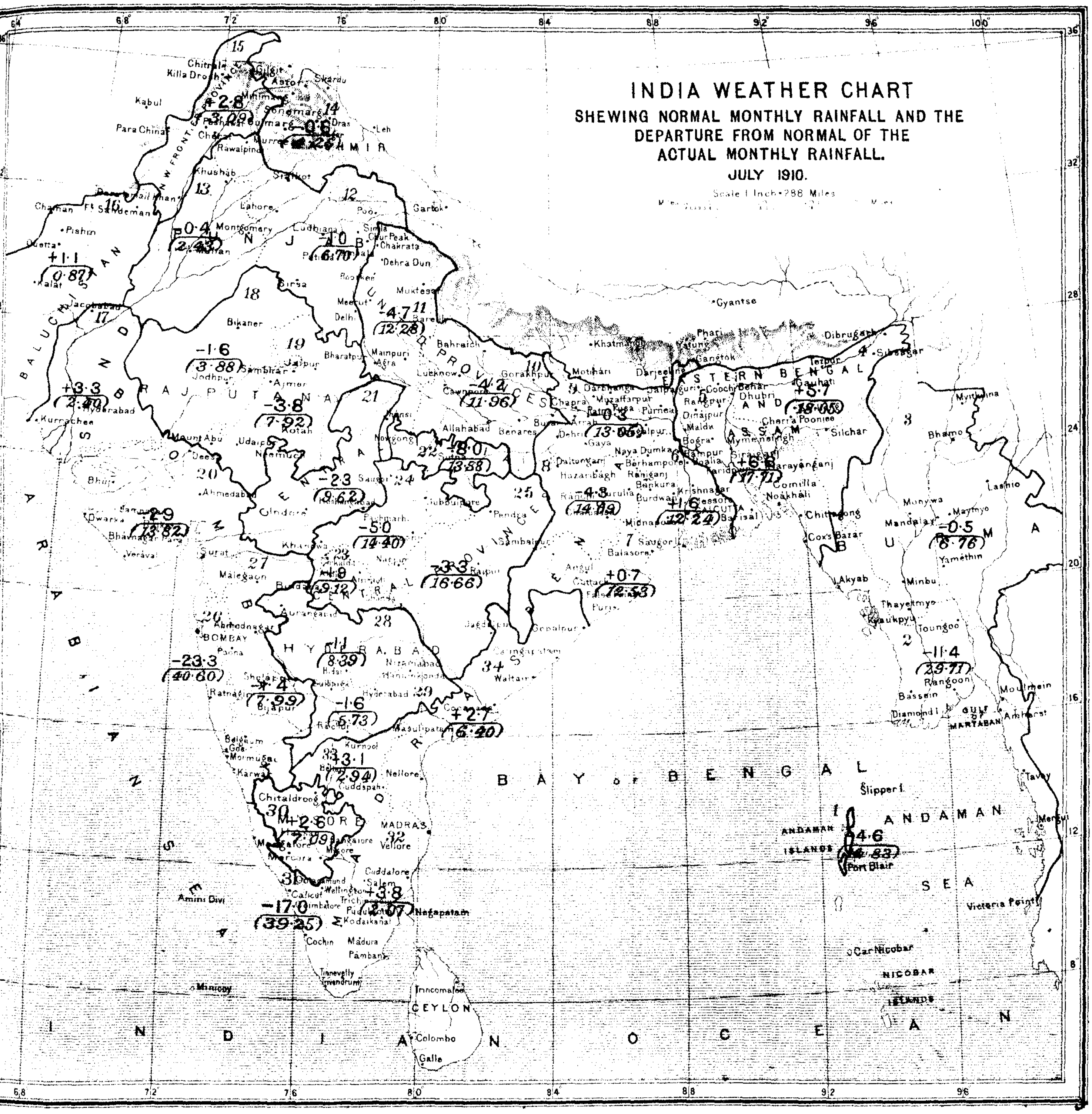


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)





No. 4101 E. 10—25.—5,000

LITHO BY S.S.M.

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, AUGUST, 1910.

INTRODUCTION.

THIS review of the weather in India during the month of August, 1910, is based on observations taken aily at 8 hrs. at 238 stations, and on additional observa-ons recorded at 10 hrs. and 16 hrs. at 34 stations. In the ainfall summary have been utilized the data furnished by e 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.

The brief notes on solar, seismic and magnetic disturbances are supplied by the chief observatories in the Indian area.

Summary of the chief features of the weather in India during the month.

2. Except during the third week when there was an most complete suspension of rainfall over north-west nd central India, strongly marked monsoon conditions eld in the area usually dependent for its supply of rain-ll on the Bombay monsoon. On the other hand the Bay urrent was weak and was restricted to a much smaller gion than is normally the case.

Four disturbances were recorded during the month, but nly one of these was of sufficient vitality to produce any reat concentration of rainfall.

The total rainfall of the month was either normal or oove it in all the larger provinces with the exception of Sind. The proportional excess was more than 30 per cent. in Madras, Mysore, Bombay and the greater part of north-west India, and was most pronounced in the North-West Frontier Province which received nearly double its normal fall.

Over the greater part of the country the departures of temperature, humidity and cloud were conditioned by those of rainfall, but were very feebly marked except in the north-west.

As is usually the case during periods of excessive precipitation, pressure was less than usual on the mean of the whole of India, the deficiency being ·018″.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar observations.*—The weather was very unvourable for solar observations during the month. It as possible to examine the sun for spots and faculæ on all ys except on the 27th, but the prominence record was inmplete on 13 days.

Sunspots.—There was a marked falling off in spot activity during the month. The total number of new spot groups observed was only 7 as against 16 in July; and ot these one was the return of a spot observed earlier in the month. The daily average number was 1·0 as against 1·5 in July. The average life of a spot was however 5·0 days. There were 9 days on which the sun was free from spots

at the time of observation. One large spot No. 1891 came round the east limb on the 3rd and disappeared at the west on the 15th. It was quiescent and no disturbance was indicated in its spectrum, though on some days it developed several companions which subsequently disappeared. The preponderance of southern spots which has been noticeable since May culminated during the month in a total absence of all spot activity in the northern hemisphere.

The latitude distribution of spots was as follows:—

TABLE 1.

	0° - 10°.	10° - 20°.	Mean latitude.	Extreme latitudes.
North . .	...	...	...	...
South . .	3	4	11°·6	7°, 16°

Prominences.—The weather was very unsuitable for prominence observations. Only 18 large and 2 eruptive prominences were recorded, none of which was higher than 90″.

Magnetic disturbances.—A "great" disturbance was recorded from the 10th to 12th and "moderate" ones on the following dates:—1st to 6th, 14th to 15th, 18th to 20th, and from 27th to 31st. The "great" disturbance occurred about a day after the large spot 1891 had crossed the central meridian.

Seismological records.

TABLE 2.

No.	Date.	P. T. Commencement G. M. T.	L. W. Commencement G. M. T.	Maxima G. M. T.	End.	Amplitude Maxima.	Duration.	REMARKS.
	1910.	H. M.	H. M.	H. M.	H. M.	mm.	H. M.	
42	August 13	8 06·4	...	8 08·0	8 22	...	0 16	Widening of line.
43	" 16	7 48·5	...	...	8 16	...	0 28	Do.
44	" 17	11 54·5	12 12·9	12 14·4	13 16	4·0=1·9	1 22	
45	" 17	23 33·6	...	23 36·1	24 00	...	0 26	Widening of line.
46	" 21	5 47·4	6 01·8	6 06·9	7 56	0·6=0·3	2 09	

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

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of August, 1910, the traces showed calm days, 18 days of small, 3 days of moderate and 1 day of great disturbance.

The days of the month selected as "quiet" for the purposes of the Magnetic Survey of India are the 7th, 9th, 16th, 17th and 27th.

The mean observed absolute values of the several magnetic elements reduced to the mean monthly tabulation 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 . . .	0° 57′ 36″
Horizontal force	0·36810 C. G. S. unit.
Vertical force	0·16109 " "
Dip (calculated)	23° 37′·1
Dip (observed)	23° 36′·4
Horizontal force range . . .	0·00043 C. G. S. unit.
Horizontal force summed range .	0·00270 " "
Declination range	5′·2
Declination summed range . .	22′·6

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

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

TABLE 3.

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

C = calm, S = small, M = moderate, G = great, V. G. = very great.

Seismic disturbances.

TABLE 4.

Date.	Commencement.		Maximum.		End.		Maximum amplitude.	Duration.
	H.	M.	H.	M.	H.	M.	mm.	H. M.
August 13th .	8	0·8	8	1·8	8	7·1	0·3	0 6·3
" 13th .	21	27·3	21	29·9	21	33·3	0·2	0 6·0
" 17th .	12	1·9	12	6·8	13	9·8	4·6	1 7·9
" 21st .	6	0·7	6	5·1	6	30·0	0·4	0 29·3

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.*

TABLE 5.

Date 1910.		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.	
August	9	20 37·8	...	20 45·5	21 3·8	0 26·0	1·00	
,,	13	21 23·7	...	21 25·7	21 32·9	0 9·2	1·00	
,,	17	12 10·0	12 12·0	12 12·5	12 48·6	0 38·6	4·00	
,,	21	5 54·9	...	6 7·2	7 5·1	1 10·2	1·00	
,,	27	7 6·9	...	7 9·0	7 21·2	0 14·3	0·50	

Sensibility 1 mm. = 0″·38 of tilt.

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing seismographs.*

TABLE 6.

Date.		Beginning of 1st P. T.	Beginning of 2nd P. T.	Beginning of L. W.	Time of maximum amplitude.	End approximately.	Duration.	Maximum displacement of style.	REMARKS.
		H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
8th	A	...	...	...	...	...	...	...	Tremors from 9h. 16m. to 9h. 36m.
12th	A	...	...	...	...	...	...	...	Tremors from 19h. 2m. to 20h. 3m.
13th	A	7 57·5	...	...	8 1·2	8 32·7	0 35·4	0·3	
	B	7 59·1	...	...	8 2·3	8 10	0 10·9	Small*	
	A	21 22·6	21 24·1	21 24·9	21 25·9	21 43·7	0 21·1	0·3	
	B	21 22·8	21 24·3	21 25·2	21 25·3	21 32	0 9·2	0·3	
17th	A	12 2·8	12 4·0	12 5·0	12 5·1	13 22·9	1 20	5·2	
	B	12 2·8	12 4·1	12 5·1	12 5·6	12 31·1	0 28·3	21·5	
21st	A	5 49·0	5 57·0	6 5·5	P	7 30	1 41	0·4	Beginning of 1st P. T., 2nd P. T., L. W. not definitely marked.
	B	P	6 3·3	6 11	6 11·8	6 35·3	...	0·8	
27th	A	P.	7 8·5	7 11·4	7 11·6	7 26·6	...	Small*	
	B	P	7 8·6	7 11·4	7 11·7	7 21	...	0·3	

All times are given in G. M. T.
A = E—W component.
B = N—S component.

The magnification of each instrument was 15.
* Displacements less than 0·2 mm. are reported as "Small".

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

TABLE 7.

Place at which felt.	Date.	G. M. T. of earthquake.		Duration.	Intensity.	No. of shocks.	REMARKS.
		h.	m.	sec.			
Chitral . . .	12th	12	49	33	4	2	
Drosh . . .	,,	20	5	2	1	1	
Gorakhpur . .	13th	21	21	60	—	1	
Katmandu . .	,,	21	27	30	—	1	
Jacobabad . .	17th	12	0	5	3	3	
Chittagong . .	27th	7	7	3	2	1	
Mandalay . . .	,,	8	10	2	3	1	
Chumbi . . .	30th	12	42	—	—	—	
Dam Dim . . .	,,	12	50	2	4	2	
Chitral . . .	31st	1	0	25	3	2	

For scale of intensities reference may be made to the Monthly Weather Review for January, 1909.

Solar radiation.—Cloudy weather prevented any measurement of the intensity of solar radiation in Simla by Angstrom's pyrheliometer.

J. H. FIELD,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. The following information relating to May and June have been communicated by the Director of the Observatory.

TABLE 8.

	May.	June.
Departure from normal of mean pressure	+·003	−·018
Actual mean wind direction . . .	S 64° E	S 60°
Normal mean wind direction . . .	S 65° E	S 61° E
Actual mean wind velocity (miles per diem)	199	219
Normal mean wind velocity (miles per diem)	246	263
Rainfall departure from normal . .	—2·72	—·162

Weather in the Indian monsoon region.

8. Pressure ruled below the normal at all the three representative stations, the deficiency being fairly large in amount at Mauritius. The deviations from normal of air movement and rainfall were of no great significance.

TABLE 9.

—	Mauritius.*	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	—·046	—·016	—·019
Actual mean wind direction .	S 73° E	S 3° W	S 31° E
Normal mean wind direction .	S 68° E	S 9° E	S 35° E
Actual mean wind velocity (miles per diem).	238	161	302
Normal mean wind velocity (miles per diem).	274	166	316
Rainfall departure from normal .	+0·34	+0·13	—0·75

* Approximate data derived from weekly telegrams.

The general conditions were thus such as favour prevalence of well marked monsoon conditions in Indian region.

Depressions and cyclonic storms.

9. The barometric depression which lay off the Ganjam and Orissa coasts on the last day of July increased rapidly in depth, while moving slowly northwards, and by the evening of the 2nd August had become a storm of considerable intensity. The centre crossed the coast near False Point at about 2 hrs. on the 3rd and moving in a northwesterly direction was in the neighbourhood of Pendra at 8 hrs of the 4th. As is usually the case, it became much reduced in severity during its passage inland, the pressure at the centre showing an increase of about a quarter of an inch between 2 and 8 hrs. The northwestward movement was maintained during the next two days, and on the morning of the 6th it reached the southwestern parts of the United Provin though in a very weak condition; and it disappeared in course of the day. Heavy rainfall resulted in Orissa the Central Provinces from its activity, some exceedin heavy falls being registered in the latter region on 4th and 5th.

Three more areas of low pressure were formed, but be scarcely distinguishable from the trough in which t took their rise, they failed to exercise any mar influence on the weather.

Pressure.

10. With the improvement in the activity of the monsoon in the last week of July the excessive pressures which had prevailed until then were dissipated altogether, and during nearly the whole of August the barometric pressure was lower than usual. The deficiency in the mean pressure of the month was generally less than a fiftieth of an inch in amount in Upper Burma, northeast India, the United Provinces, the Punjab, Central Provinces and the east of Central India, but increased in passing southwards and was as much as ·06″ at Colombo.

The monthly value of pressure over India as a whole showed a deficit of ·018″, while that of July was ·037″ in excess. The baric gradient from south to north was somewhat feebler than usual, a circumstance favourable to abundant precipitation.

At the level of the hill stations in northwest and central India pressure was in excess, relatively to the plains below; while in southern India the opposite distribution prevailed.

TABLE 10.

DIVISION.	Departure fr normal of me 8 hrs. pressur
	″
Burma	—·021
Eastern Bengal and Assam	—·011
Bengal	—·014
United Provinces	—·006
Punjab	—·003
North-West Frontier Province	—·020
Sind	—·030
Rajputana	—·021
Bombay	—·031
Central India	—·018
Central Provinces	—·011
Hyderabad	—·022
Mysore	—·026
Madras	—·024

TABLE 11.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference B—A.
	"		"	"
Quetta . . .	—·016	Jacobabad . .	—·033	—·017
Leh . . .	+·004	Lahore . .	—·010	—·014
Murree . . .	—·016	Peshawar . .	—·016	0
Simla . . .	+·008	Ludhiana . .	+·003	—·005
Chakrata . . .	+·033	Roorkee . .	+·007	—·026
Darjiling . . .	—·034	Jalpaiguri . .	—·015	+·019
Mount Abu . .	—·027	Deesa . . .	—·035	—·008
Pachmarhi . .	—·016	Khandwa . .	—·019	—·003
Kodaikanal . .	—·041	Madura . .	—·010	+·031

Temperature.

11. The temperature conditions were approximately normal throughout the country, except locally in the Carnatic, the North-West Frontier Province and the greater part of the Punjab, where the days were not so hot as usual in August.

As usual during the rainy season the changes of temperature from day to day were determined by the distribution of rainfall, and occurred chiefly in the day: during the last week maxima from 15° to 25° below the normal were recorded at several stations in the extreme north.

TABLE 12.

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.
	°	°	°	°	°	°	°	°
Bay Islands	84·9	77·6	81·3	7·3	17·6	+0·1	—0·1	+ 0·2
Lower Burma	85·2	75·7	80·4	9·5	16·8	+1·0	+0·6	+ 0·4
Upper do.	89·5	75·7	82·6	13·7	22·3	+0·1	+0·2	— 0·1
Assam	88·1	77·6	82·8	10·4	18·1	—0·5	+0·2	— 0·7
Eastern Bengal	87·6	78·4	83·0	9·2	16·8	+0·4	+0·3	+ 0·1
Bengal	89·1	78·9	84·0	10·3	18·3	+0·7	+0·4	+ 0·3
Orissa	88·2	78·1	83·2	10·1	17·9	+0·6	+0·1	+ 0·5
Chota Nagour	87·2	75·2	81·2	12·0	18·9	+0·6	+0·1	+ 0·5
Bihar	89·4	78·9	84·1	10·5	18·7	—0·2	+0·3	— 0·5
United Provinces, East	90·1	77·6	83·9	12·5	21·3	+0·3	—0·9	+ 1·2
Do., West	89·4	77·1	83·2	12·3	21·7	—0·1	—0·1	0
Punjab, East and North	92·3	78·0	85·1	14·2	27·6	—2·4	—0·2	— 2·2
Do., Southwest	99·2	82·2	90·7	17·0	34·7	—1·8	+0·7	— 2·5

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.	Dai rang
	°	°	°	°	°	°	°	°
14. Kashmir	81·1	60·1	70·6	21·0	37·0	+0·3	+1·2	—
15. North-West Frontier Province	96·7	79·7	88·3	17·0	36·1	−3·5	+0·3	—
16. Baluchistan	98·0	69·6	83·8	28·4	45·6	+1·2	−0·1	+
17. Sind	95·1	80·2	87·7	14·9	24·3	+0·5	+1·1	—
18. Rajputana, West	92·5	77·8	85·1	14·7	27·6	−1·8	−1·6	—
19. Do., East	87·7	76·2	82·0	11·5	21·7	−1·7	−0·6	—
20. Gujarat	86·2	76·5	81·4	9·7	18·0	−1·6	+0·1	—
21. Central India, West	84·1	72·1	78·1	12·1	21·6	+0·2	+0·1	+
22. Do., East	87·3	77·1	82·1	10·3	18·4	+0·4	+0·7	—
23. Berar	84·7	72·0	78·3	12·6	23·0	−0·5	0	—
24. Central Provinces, West	85·0	73·5	79·3	11·4	22·8	+0·1	+0·1	0
25. Do., East	84·9	73·9	79·4	11·1	19·9	−0·3	+0·5	—
26. Konkan	83·0	75·6	79·3	7·4	12·3	−0·1	−0·1	0
27. Bombay Deccan	83·5	70·1	76·8	13·4	22·7	−0·5	+0·7	—
28. Hyderabad, North	84·9	69·9	77·4	15·0	26·2	−0·2	+0·3	—
29. Do., South	88·5	73·3	80·9	15·1	24·0	+0·7	+0·9	—
30. Mysore	79·7	66·5	73·1	13·2	21·1	−1·9	+0·3	—
31. Malabar	82·2	73·3	77·7	8·9	14·7	−0·9	−0·3	—
32. Madras, Southeast	91·0	75·4	83·2	15·7	24·8	−2·4	−0·6	—
33. Do. Deccan	91·4	74·7	83·1	16·6	25·0	−0·1	0	—
34. Do. Coast, North	88·9	78·2	83·5	10·7	20·3	−0·9	0	—

Table 13.

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

Division.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean tempera
	°	°	°
Sind	+0·5	+1·1	+0·
Rajputana	−1·8	−0·8	−1·
Bombay	−0·8	+0·2	−0·
Central India	+0·3	+0·5	+0·
Central Provinces	−0·1	+0·1	0
Hyderabad	+0·4	+0·7	+0·
Mysore	−1·9	+0·3	−0·
Madras	−1·5	−0·3	−0·

Winds.

12. (*a*) The monsoon current was on the whole neither so steady nor so vigorous as usual. (*b*) The direction of air movement differed greatly from the normal in north-east India, being unduly northerly in Bihar, less easterly or more southerly than usual in lower Bengal, and abnormally westerly in Chota Nagpur.

TABLE 14.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	—0·1	—14
Eastern Bengal and Assam	—0·9	—11
Bengal	+0·2	0
United Provinces	—0·1	+ 4
Punjab	+0·3	+ 1
North-West Frontier Province	—0·7	+ 7
Sind	—3·1	—14
Rajputana	—0·8	—35
Bombay	—0·7	— 7
Central India	—1·7	— 9
Central Provinces	+0·1	— 9
Hyderabad	—1·8	—20
Mysore	+0·2	+ 1
Madras	0	— 7

Humidity and cloud.

13. The departures from normal of humidity, both relative and absolute, were in general small and of no great significance.

The cloud proportion was higher than usual in the Punjab, the North-West Frontier Province, Baluchistan, Rajputana, Central India, Malabar and Ceylon, and in defect in Orissa, Assam, the west of Bihar, and the central parts of the United Provinces; but elsewhere the skies were covered to about the usual extent.

TABLE 15.

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	— 1	·885	+·011	8·0	0
Eastern Bengal and Assam.	90	— 1	·953	—·003	7·3	—0·7
Bengal	86	— 2	·936	—·006	6·9	—0·8
United Provinces	86	0	·923	+·004	6·6	—0·5
Punjab	80	+ 5	·902	+·038	5·3	+0·9
North-West Frontier Province.	78	+ 5	·922	+·042	4·1	+1·3
Sind	77	+ 1	·880	+·015	5·3	+0·3
Rajputana	82	+ 7	·840	+·040	7·5	+1·2
Bombay	87	+ 3	·826	+·013	7·9	+0·5
Central India	89	+ 2	·833	+·009	8·8	+1·0
Central Provinces	86	— 1	·788	—·005	8·0	+0·1
Hyderabad	80	— 1	·714	—·021	7·3	—0·8
Mysore	88	+ 5	·655	+·025	9·1	+0·7
Madras	81	+ 3	·811	+·007	7·1	+0·2

Rainfall.

14. The behaviour of the monsoon was on the whole much more satisfactory in this, than in the previous month, and although an almost complete break obtained during the third week over north-west and central India, more than the average amount of rain fell in all parts of the country with the exception of the Bay Islands, Upper

Burma, Assam, Bengal, Orissa, Chota Nagpur, Baluchistan, Sind, Central India West and Hyderabad North. The excess was greatest in absolute amount in the Konkan (about 5″), and by percentage comparison with the normal in the North-West Frontier Province which recorded 96 per cent. more than its normal supply; it was also large in the Punjab Southwest (87 per cent.), Rajputana West, (90 per cent.), the Madras Deccan (73 per cent.), Madras Southeast (64 per cent.), the Bombay Deccan (63 per cen Mysore (56 per cent.) and Kashmir (50 per cent.). In region of deficient precipitation the greatest departu were recorded in the Bay Islands (4″ or 29 per cent.) Chota Nagpur (2·3″ or 18 per cent.).

The excessive rainfall thus occurred mainly in the reg dominated by the Arabian Sea current, the precipita being lighter than usual in the field of the Bay current.

TABLE 16.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percenta departure f normal
			″	″	″	
1. Bay Islands	16·0	20·9	10·07	14·15	−4·08	− 29
2. Lower Burma	21·6	24·0	27·01	26·68	+0·33	+ 1
3. Upper do.	9·8	10·7	6·59	7·31	−0·72	− 10
4. Assam	17·2	17·6	15·30	16·15	−0·85	− 5
5. Eastern Bengal	18·5	16·6	16·78	15·53	+1·25	+ 8
6. Bengal	14·3	15·6	10·99	11·93	−0·94	− 8
7. Orissa	14·8	15·1	12·11	12·24	−0·13	− 1
8. Chota Nagpur	14·5	16·4	11·01	13·35	−2·34	− 18
9. Bihar	13·9	13·8	13·68	11·86	+1·82	+ 15
10. United Provinces, East	14·2	12·5	12·95	11·35	+1·60	+ 14
11. Do., West	13·0	11·8	13·79	11·71	+2·08	+ 18
12. Punjab, East and North	9·9	6·8	9·44	6·54	+2·90	+ 44
13. Do., Southwest	4·3	2·8	3·89	2·08	+1·81	+ 87
14. Kashmir	7·3	4·9	5·28	3·51	+1·77	+ 50
15. North-West Frontier Province	6·7	4·1	6·44	3·29	+3·15	+ 96
16. Baluchistan	1·1	1·3	0·78	0·83	−0·05	− 6
17. Sind	2·5	2·2	1·56	2·21	−0·65	− 29
18. Rajputana, West	8·1	4·3	6·32	3·32	+3·00	+ 90
19. Do., East	12·1	9·1	9·08	7·32	+1·76	+ 24
20. Gujarat	14·3	11·1	11·77	8·40	+3·37	+ 40
21. Central India, West	14·0	12·3	9·80	10·24	−0·44	− 4
22. Do., East	16·4	14·6	14·21	13·13	+1·08	+ 8
23. Berar	13·7	10·1	9·37	6·68	+2·69	+ 40
24. Central Provinces, West	15·1	13·7	13·19	11·78	+1·41	+ 12
25. Do., East	15·5	15·1	15·39	13·97	+1·42	+ 10
26. Konkan	25·6	24·7	29·64	24·84	+4·80	+ 19
27. Bombay Deccan	12·2	9·7	9·01	5·53	+3·48	+ 63

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
28. Hyderabad, North	10·6	11·4	6·63	7·91	—1·28	— 16
29. Do., South	9·3	10·4	7·54	6·43	+1·11	+ 17
30. Mysore	13·6	8·5	8·48	5·42	+3·06	+ 56
31. Malabar	23·4	20·9	23·05	19·32	+3·73	+ 19
32. Madras, Southeast	8·4	5·3	5·78	3·52	+2·26	+ 64
33. Do. Deccan	9·5	6·5	6·68	3·86	+2·82	+ 73
34. Do. Coast, North	11·8	10·2	8·48	6·81	+1·67	+ 25

TABLE 17.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	15·93	16·17	—0·24	— 1
Eastern Bengal and Assam	16·03	15·84	+0·19	+ 1
Bengal	12·26	12·14	+0·12	+ 1
United Provinces	13·34	11·52	+1·82	+ 16
Punjab	8·31	5·63	+2·68	+ 48
North-West Frontier Province	6·44	3·29	+3·15	+ 96
Sind	1·56	2·21	—0·65	— 29
Rajputana	8·25	6·24	+2·01	+ 32
Bombay	13·65	9·96	+3·69	+ 37
Central India	11·42	11·24	+0·18	+ 2
Central Provinces	12·12	10·19	+1·93	+ 19
Hyderabad	7·13	7·10	+0·03	0
Mysore	8·48	5·42	+3·06	+ 56
Madras	8·27	5·98	+2·29	+ 38
Mean of India	11·18	9·77	+1·41	+ 14

Snowfall.

15.(*a*) According to the available information there was no snowfall in the hill districts of the Punjab and Kashmir. The passes near Kilba, for which alone information in regard to accumulations is forthcoming, remained quite bare of snow. (*b*) There were several falls in the Almora hills: the total quantity was estimated at about 8½ feet in Malla Darma, 5 feet on the Untadhura, 4 feet in Byans 2 feet on the Binkaru pass and a few inches in Malla Danpur. The snow line descended to a distance of about half a mile from the perpetual snows. At the end of the month the accumulations were on the whole of about the ave age depth.

HEM RAJ.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 34 stations in India, etc., in August, 1910.

Tal

Abstract of observations taken at 10 hrs. and 16 h

Number of subdivision.	Station.	Elevation of bar-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 sea-level 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-bulb. 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 . .	18	29·798	29·706	·092	29·755	—·015	29·711	85·9	77·0	8·9	89·9	74·9	15·0	82·7	82·4	79·7	+1·0	75·2	78·5	77·6
	III.—Bengal.																				
6	Calcutta . .	21	·625	·531	·094	·580	—·011	·546	89·1	79·1	10·0	93·9	75·8	18·1	85·1	85·9	83·8	+1·4	77·5	80·6	80·7
	IV.—United Provinces of Agra and Oudh.																				
10	Allahabad . .	309	·313	·211	·102	·265	—·001	·524	90·4	77·5	12·9	95·0	73·5	21·5	85·4	87·5	83·0	—0·2	76·4	79·6	80·1
11	Dehra Dun . .	2,233	27·430	27·348	·082	27·387	—·017	·557	83·1	72·5	10·6	83·5	69·5	19·0	77·1	79·3	76·5	—0·8	71·1	74·3	75·6
	V.—Punjab.																				
12	Lahore . . .	702	28·881	28·794	·087	28·829	—·005	·485	95·0	79·6	15·4	107·2	75·0	32·2	87·7	91·6	86·4	—0·7	76·7	80·4	81·8
	VIII.—Rajputana.																				
19	Jaipur . . .	1,431	·211	·117	·094	·164	—·015	·532	89·3	76·5	12·8	98·3	73·2	25·1	83·7	86·9	81·3	—1·0	74·6	77·5	78·3
	Udaipur . .	1,925	27·746	27·671	·075	27·707		·563	83·7	73·2	10·5	88·5	69·3	19·2	79·7	81·2	77·9		71·3	75·0	75·7
	IX.—Bombay.																				
26	Bombay . .	37	29·733	29·660	·073	29·695	—·034	·671	83·8	77·2	6·6	86·9	75·4	11·5	80·7	81·3	79·4	0	75·3	77·6	77·5
	XI.—Central Provinces.																				
24	Nagpur . .	017	28·672	28·567	·105	28·622	—·003	·591	86·5	74·3	12·2	93·6	70·8	22·8	80·5	84·1	79·0	—0·4	72·4	75·1	76·4
	XII.—Hyderabad.																				
29	Hyderabad . .	1,690	·056	27·952	·104	·010	—·021	·629	86·9	73·1	13·8	94·4	69·2	25·2	79·8	83·8	78·5	+1·4	69·9	72·5	73·9
	XIII.—Mysore.																				
30	Bangalore . .	3,021	26·861	26·766	·095	26·822	—·022	·732	79·9	66·1	13·8	85·0	63·3	21·7	73·4	76·9	71·1	—0·7	65·3	68·8	70·0
	Mysore . . .	2,518	27·360	27·265	·095	27·322	—·024	·756	80·6	66·8	13·8	87·0	64·8	22·2	75·3	76·7	71·8	—1·6	65·6	69·3	70·3
	XIV—Madras.																				
32	Pudukkottai .	318	29·498	29·369	·129	29·433		·679	92·8	75·3	17·5	98·5	69·8	28·6	85·2	89·9	84·1		72·9	77·5	79·5
	Madras . .	22	·765	·658	·107	·721	—·025	·675	91·2	77·4	13·8	96·9	72·7	24·2	85·3	88·3	83·2	—1·3	74·9	77·8	79·1
	Bay Islands.																				
1	Port Blair . .	58	·769	·693	·076	733	—·027	·721	85·6	77·1	8·5	89·2	73·2	16·0	83·2	83·2	80·2	0	74·5	78·2	78·0
	Kashmir.																				
14	Srinagar . .	5,204	24·701	24·616	·085	24·658	—·012	24·626	85·1	60·2	18·9	92·1	57·8	34·3	75·6	83·1	73·1	+2·3	62·6	70·7	76·3
	Leh . . .	11,503	19·667	19·558	·109	19·620	—·003	19·588	76·1	50·9	25·2	82·6	44·0	38·6	66·0	71·9	60·9	—0·1	45·5	53·6	55·8
	Baluchistan.																				
16	Quetta .	5,502	24·467	24·388	·079	24·425	—·020	24·385	93·1	60·9	32·2	98·3	47·7	50·6	83·8	90·6	76·5	+1·2	56·1	61·0	62·6

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.

t 34 stations in India, etc., in August, 1910.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.											Wind steadiness.		Wind velocity.		Rainfall.			
														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.	Station.	Number of subdivision.
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.	
·852	·915	·883	·337	—·007	92	82	80	88	— 5	8·2	8·4	8·3	—0·7	20				7	18	13	4		S 14° W	S 39° W	53	66	41	106	14·26	1·94	Rangoon . .	2
																															III.—Bengal.	
·922	·981	·976	·963	—·004	93	82	79	86	— 2	7·7	8·7	8·2	—0·5	2	1	2	6	11	15	23	1	1	S 4° W	S 2° E	58	56	119*	113	11·05	2·22	Calcutta . .	6
																															IV.—United Provinces of Agra and Oudh.	
·899	·936	·928	·933	—·013	95	77	72	84	0	8·8	8·1	8·5	+0·4	7	2	7	12	5	4	4	15	6	N 62° W	N 6° E	3	5	109	158	8·70	1·87	Allahabad. .	10
·741	·808	·839	·823	+·001	93	86	85	93	+ 2	8·7	8·5	8·6	+1·0	10	1	2	5	6	11	12	9	5	S 30° W	S 23° W	35	13	26*	24	47·03	5·90	Dehra Dun .	11
																															V.—Punjab.	
·880	·941	·957	·950	+·066	87	72	66	76	+ 5	5·7	5·8	5·7	+1·7	10	5	6	15	6	8	2	3	7	N 88° E	S 78° E	23	24	71	67	4·59	1·62	Lahore . .	12
																															VIII.—Rajputana.	
·831	·867	·862	·867	+·051	91	75	68	80	+ 2	7·9	8·0	7·9	+0·3	2	2	5	12	3	5	8	18	7	S 78° W	N 69° W	18	42	110*	113	8·55	2·30	Jaipur . .	19
·735	·814	·828	·805		91	80	77	85		8·5	8·6	8·5		7	1	2	2	3	6	19	18	4	S 60° W		53		75		9·01	1·66	Udaipur.	
																															IX.—Bombay.	
·845	·905	·888	·887	+·002	91	87	84	88	+ 1	9·0	8·5	8·7	+0·3				1	1		14	37	9	S 85° W	S 81° W	84	79	318*	370	18·15	2·79	Bombay . .	26
																															XI.—Central Provinces.	
·771	·802	·815	·811	—·001	91	77	71	84	+ 1	7·5	7·4	7·5	—1·2	5	3	2	1	1	7	10	27	6	S 80° W	N 78° W	58	64	128	173	12·28	3·19	Nagpur . .	24
																															XII.—Hyderabad.	
·691	·708	·711	·714	—·017	85	70	63	76	— 4	7·9	7·8	7·9	+0·3	18		1		1			34	8	N 82° W	N 85° W	63	85	130	202	5·98	4·39	Hyderabad .	29
																															XIII.—Mysore.	
·715	·650	·652	·643	+·030	96	79	72	84	+ 5	9·6	8·5	9·1		1	2				4	18	27	10	S 81° W	S 81° W	76	88	231	199	10·08	2·43	Bangalore . .	30
·713	·633	·664	·641	+·016	94	71	73	81	+ 5	9·7	9·5	9·6	+0·8		2	1			1	22	32	4	S 77° W	S 84° W	82	86	225	300	10·11	3·75	Mysore.	
																															XIV.—Madras.	
·771	·842	·871	·828		89	70	63	74		6·5	7·9	7·2		3	2			1	7	21	16	12	S 72° W		66		197		11·80	1·72	Pudukkottai.	32
·835	·855	·872	·865	+·029	89	71	66	76	+ 3	6·9	6·4	6·7	—0·2		4	1	3	4	4	11	23	12	S 88° W	S 36° W	57	56	141*	166	5·59	1·10	Madras.	
																															Bay Islands.	
·815	·897	·886	·874	—·032	88	82	78	84	— 3	8·0	8·6	8·3	+0·4			1	1	8	7	21	22	2	S 51° W	S 51° W	64	81	253	259	13·28	2·92	Port Blair .	1
																															Kashmir.	
·731	·709	·837	·644	+·031	82	79	73	78†	— 2	4·9	5·1	5·0	+1·2	22	6	1		9	6	1	2	15	N 56° W	N 48° W	13	9	57	86	1·44	0·50	Srinagar . .	14
·258	·304	·306	·286	+·021	69	48	41	56	+ 5	5·1	5·3	5·2	—0·1		8	5	1	1	14	15	12	6	S 66° W	S 72° W	39	42	77	43	0·48	0·21	Leh.	
																															Baluchistan.	
·212	·299	·275	·329	—·045	78	26	20	41	— 3	1·5	2·3	1·9	+0·4	21	4			3	3	12	1	13	N 81° W	N 78° W	32	33	51	65	0	0	Quetta . .	16

* Uncorrected for scale error.

† Mean of three previous columns.

Abstract of observations taken at 10 hrs. and 16 hrs. at 34 s

Number of subdivision.	Station.	Elevation of bar-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 sea-level 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-bu Mean minimum.	Mean 10 hrs.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
	Hill Stations excluding Kashmir and Baluchistan.																			
	Simla . . .	7,232	23·025	22·973†	·052	22·997	0	22·959†	66·1†	59·5	6·6	69·3	56·0	13·3	63·1	63·5†	62·3†	−0·5	56·4	61·7
	Sarain . . .		·054	23·004	·050	23·026		·988	70·6	58·7	11·9	76·0	55·3	20·7	65·6	67·1	64·2			62·0
	Kalabagh . .		20·107	20·069	·038	20·085		20·047	56·4	48·8	7·6	61·6	44·3	17·3	53·4	54·1	52·1			52·3
	Chakrata . .	7,022	23·233§	23·184‖	·049	23·205	+·044	23·167‖	69·3‖	59·1‖	10·2	73·3	56·7	16·6	65·7‖	64·2‖	63·7‖	0	58·1‖	63·6‖
	Muktesar . .	7,592	22·761	22·701	·060	22·729		22·687	68·2	56·5	11·7	72·5	52·8	19·7	62·7	64·7	61·8		55·9	61·3
	Katmandu . .	4,388	25·491	25·402	·089	25·445	†† +·008	25·399	82·7	68·2	14·5	86·4	64·9	21·5	76·2	79·2	74·9	†† +0·4	66·4	70·7
	Darjiling . .	7,376	22·926	22·854	·072	22·888	−·046	22·843	67·7	57·8	9·9	78·1	53·9	24·2	64·0	63·6	62·2	+1·3	57·6	62·4
	Pachmarhi . .	3,528	26·264	26·192	·072	26·226	−·018	26·173	75·1	67·2	7·9	81·0	65·1	15·9	70·6	73·1	70·6	+0·2	66·0	68·4
	Mount Abu . .	3,945	25·853	25·792	·061	25·820	−·033	25·770	71·5	65·2	6·3	80·0	61·0	19·0	68·4	69·0	67·9	+0·3	64·1	67·6
	Chikalda . .	3,642	26·162	26·064	·098	26·111	−·038	26·055	73·5	65·1	8·4	79·7	63·6	16·1	70·9	72·1	68·8	+0·4	64·6	67·9
	Ootacamund .	*7,327*	23·001	22·935	·066	22·967		22·903	62·1	52·1	10·0	67·6	49·5	18·1	58·3	58·4	56·6		51·5	56·2
	Kodaikanal . .	7,688	22·767	·703	·064	·735		·670	61·8	52·6	9·2	65·4	51·1	14·3	55·9	57·2	57·2		50·8	56·2
	Dodabetta . .	8,539?	21·995	21·934	·061	21·964		21·900	57·0	48·4	8·6	62·3	43·7	18·6	53·4	53·1	52·2		47·0	52·6
	Extra India.																			
	Minicoy . .	7	29·911	29·864	·047	29·894														
	Zanzibar . .	72	30·084	·977	·107	30·038	−·016	30·036	81·1	72·6	8·5	83·9	70·4	13·5	76·7	79·	77·1	0	67·3	71·8
	Diego Garcia .								Observations not received.											
	Seychelles . .	15	29·992	·910	·082	29·954	†† −·019	29·893	80·5	75·9	4·6	82·4	73·4	9·0	78·	79·5	76·7	†† +0·1	69·4	72·8
	Mauritius . .	181							Observations not received.											

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. § Mean of 20 days. †† Departure from old normal.

‖ " " 19 "

-concluded.

India, etc., in August, 1910—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 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	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.	
·532	·515	·519	—·007	94	92	92	91	+ 3	9·7	9·7	9·7	+0·8																21·43	2·90	Simla.	
·519	·529				82	80			9·2	8·7	8·9		28	2	8	3	1	4	14	2		S 21° W		11		33		15·57	1·81	Sarain.	
·385	·392				91	93			10·0	9·3	9·9		22	8	8		10	2	1	2	9	N 20° E		18		142		22·61	2·49	Kalabagh.	
·665‖	·568‖	·526	—·006	94‖	89‖	94‖	93	+ 1	9·1‖	9·7‖	9·4	+0·8	7	3	1	2	7	16			2	S 21° E	S 66° W	44	42	60 ¶	130	14·14	3·69	Chakrata. ‖‖	
·529	·551	·507		96	92	90	91		9·3	8·3	8·8		33			4	6	3	3	12		S 32° W		18		112		12·36	1·45	Mukteswar. ¶¶	
·688	·725	·681	—·001	90	77	73	81	— 1	6·8	7·5	7·1	0	4	2	3	21				32		N 65° W	N 66° W	16	2	§§ 16	18	16·26	2·20	Katmandu	
·546	·546	·522	+·011	99	92	93	96	0	9·5	9·5	9·5	+0·6	25	2	3	2	12	2	3	10	2	S 7° W	S 84° E	11	28	16	89	21·99	2·70	Darjiling.*	
·670	·706	·673	+·005	94	90	87	91	0	6·6	7·0	6·8	—2·3	3		2	1	1		14	33	8	S 84° W	N 84° W	58	73	273	223	22·07	3·14	Pachmarhi.	
·668	·680	·651	+·035	94	93	93	93	+ 5	9·6	9·5	9·5	+1·1		1	3	2	5	4	30	12	5	S 69° W	S 57° W	98	75	276	269	25·94	6·21	Mount Abu.	
·667	·694	·661	+·010	98	93	88	94	— 1	8·4	7·6	8·0	—0·9																24·57	3·70	Chikalda.	
·430	·427	·405		96	89	88	91		9·4	9·8	9·6		4	2		3	3	1	6	36	7	S 89° W		64		159		6·31	0·81	Ootacamund.	
·425	·438	·406		90	81	93	89		7·4	9·3	8·3			7			2	2		16	35	N 54° W		79		§§ 331		10·23	2·62	Kodaikanal.	
·389	·384	·356		90	95	95	93		9·6	9·7	9·7		1	3	2	2	2		3	24	25	N 65° W		71		426		5·38	0·69	Dodabetta.	
																														Extra India.	
									6·2	6·5	6·3			1					9	25	27	N 75° W		84		261		11·51	2·53	Minicoy.	
·710	·639	·671	—·016	75	78	63	73	— 5	5·5	5·3	5·4	+0·5	3	1	2		12	27	14	2	1	S 3° W	S 9° E	69	77	161	166	1·82	1·27	Zanzibar.	
								Observations not received.																						Diego Garcia.	
·728	·741	·709	—·038	71	75	73	74	— 4	5·5	5·0	5·3	†† —1·1				2	40	17	3			S 31° E	S 35° E	89	89	§§ 302	316	1·96	0·94	Seychelles.	
								Observations not received.																						Mauritius.	

‖‖ Wind observations less 24.
¶¶ " " "
¶ Mean of 18½ days.
§§ Uncorrected for scale error.
* Wind variable 1.

Table B.—Abstract of observations taken at 8 hrs. at 238 stations in India, etc., in August, 1910.

(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 2,000 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.
na	—·021	87·2	+0·6	75·7	+0·5	81·4	+0·5	11·5	19·4	—0·1	—14	89	— 1	·885	+·011	8·0	0	15·95	16·17	—0·24
ern Bengal and Assam	—·011	87·7	+0·1	78·2	+0·3	82·9	+0·2	9·5	17·2	—0·9	—11	90	— 1	·953	—·003	7·3	—0·7	16·03	15·84	+0·19
gal	—·014	88·8	+0·4	78·2	+0·2	83·5	+0·3	10·6	18·5	+0·2	0	86	— 2	·936	—·006	6·9	—0·8	12·26	12·14	+0·12
ed Provinces of Agra and Oudh	—·006	89·7	+0·1	77·3	—0·5	83·5	—0·2	12·4	21·5	—0·1	+ 4	86	0	·923	+·004	6·6	—0·5	13·34	11·52	+1·82
ab	—·003	94·2	—2·2	79·2	+0·1	86·7	—1·1	15·0	29·6	+0·3	+ 1	80	+ 5	·902	+·038	5·3	+0·9	8·31	5·63	+2·68
h-West Frontier Province	—·020	96·7	—3·5	79·7	+0·3	88·3	—1·5	17·0	36·1	—0·7	+ 7	78	+ 5	·922	+·042	4·1	+1·3	6·44	3·29	+3·15
	—·030	95·1	+0·5	80·2	+1·1	87·7	+0·9	14·9	24·3	—3·1	—14	77	+ 1	·880	+·015	5·3	+0·3	1·56	2·21	—0·65
utana	—·021	89·1	—1·8	76·7	—0·8	82·9	—1·3	12·4	23·4	—0·8	—35	82	+ 7	·840	+·040	7·5	+1·2	8·25	6·24	+2·01
bay	—·031	84·6	—0·8	74·4	+0·2	79·5	—0·3	10·2	18·0	—0·7	— 7	87	+ 3	·826	+·013	7·9	+0·5	13·65	9·96	+3·69
al India	—·018	85·7	+0·3	74·5	+0·5	80·1	+0·4	11·2	20·0	—1·7	— 9	89	+ 2	·833	+·009	8·8	+1·0	11·42	11·24	+0·18
al Provinces	—·011	84·9	—0·1	73·3	+0·1	79·1	0	11·6	22·0	+0·1	— 9	86	— 1	·788	—·005	8·0	+0·1	12·12	10·19	+1·93
rabad	—·022	86·9	+0·4	71·9	+0·7	79·4	+0·5	15·1	24·9	—1·8	—20	80	— 1	·714	—·021	7·3	—0·8	7·13	7·10	+0·03
e	—·026	79·7	—1·9	66·5	+0·3	73·1	—0·7	13·2	21·1	+0·2	+ 1	88	+ 5	·655	+·025	9·1	+0·7	8·48	5·42	+3·06
as	—·024	89·1	—1·5	75·6	—0·3	82·3	—0·9	13·4	22·0	0	— 7	81	+ 3	·811	+·007	7·1	+0·2	8·27	5·98	+2·29

Ta

Abstract of observations taken at 8 hrs. at 238 stat

Number of subdivisio	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.
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	Victoria Point	123	29·726		29·780	29·809	31st	29·648	25th	·161												
	Mergui	65	29·798	—·028	29·793	29·860	9th	29·732	18th	·128	77·8	85·5	+1·3	73·5	+0·9	79·5	+1·1	12·0	91·9	29th	71·4	6th & 7th.
	Tavoy	19	29·830	—·034	29·780	29·895	30th	29·779	17th & 18th.	·116	77·4	83·4	+0·6	74·9	+1·1	79·2	+0·9	8·5	89·0	25th & 27th.	72·8	8th & 17th.
	Moulmein	94	29·733	—·005?	29·765	29·812	30th	29·668	3rd	·144	77·6	84·3	+1·3	74·9	+0·8	79·6	+1·1	9·4	89·5	21st & 31st.	72·3	4th
	Rangoon	18	29·783	—·022	29·738	29·861	30th	29·702	7th	·159	79·7	85·8	+0·7	77·0	+1·3	81·4	+1·0	8·8	90·1	22nd	74·9	8th, 9th & 18th.
	Bassein	27?	29·769	—·005?	29·732	29·875	21st	29·669	7th	·206	79·7	86·0	+1·5	76·8	+1·1	81·4	+1·3	9·2	89·7	25th	74·9	6 days
	Diamond Island	41	29·751	—·021	29·727	29·854	21st	29·665	7th	·189	81·9	85·3	+1·0	75·6	0	80·4	+0·5	9·7	87·9	26th	70·7	6th
	Toungoo	164	29·614	—·021	29·720	29·724	30th	29·523	4th	·201	80·1	88·2	+1·5	75·2	+0·2	81·7	+0·9	13·0	92·0	21st	69·8	24th
	Kyaukpyu	18	29·726		29·686	29·871	21st	29·606	7th	·265	79·2	84·1		76·1		80·1		8·0	88·0	15th	73·4	23rd
	Akyab	20	29·714	—·018	29·675	29·876	30th	29·579	7th	·237	79·3	84·2	—0·2	76·9	—0·4	80·5	—0·3	7·3	88·4	20th	75·5	5 days
3	Thayetmyo	121	29·617	—·035	29·680	29·730	20th	29·524	7th	·206	81·1	89·8	+0·9	77·1	+1·0	83·4	+0·9	12·7	93·0	21st, 22nd & 31st.	75·4	23rd
	Minbu	*165*	29·566	—·016	29·674	29·686	20th	29·482	7th	·204	80·7	90·7	+0·1	77·3	+0·3	84·0	+0·2	13·4	96·8	22nd	75·5	9th
	Yamethin	657	29·077	—·031	29·683	29·189	20th	28·999	7th	·190	78·4	89·5	—0·3	74·7	+0·4	82·1	+0·1	14·8	93·8	5 days	71·0	22nd
	Mandalay	250	29·489	—·006	29·696	29·637	20th	29·398	11th	·239	81·1	93·0	—0·3	77·3	—0·3	85·2	—0·3	15·7	99·0	18th	72·1	22nd
	Monywa	*280*	29·456		29·684	29·595	20th	29·359	14th	·236	81·6	93·1		79·4		86·3		13·7	99·8	17th	74·1	20th
	Lashio	*2,820*	26·972	—·017	29·664	27·084	21st	26·889	11th	·195	72·3	82·4	—0·7	69·6	+0·5	76·0	—0·1	12·8	87·3	29th	67·0	23rd
	Bhamo	*381*	29·339	—·006	29·673	29·469	21st	29·241	14th	·228	76·5	88·7	+0·6	74·9	—0·5	81·8	+0·1	13·8	94·4	28th	72·6	20th & 23rd.
	Myitkyina	458	29·229		29·645	29·371	21st	29·121	13th	·250	78·4	88·5		75·4		82·0		13·1	95·2	28th	73·0	20th
	II.—Eastern Bengal and Assam.																					
4	Dibrugarh	353	29·328		29·641	29·495	21st	29·213	14th	·282	79·1	86·7		75·9		81·3		10·8	92·4	24th	72·1	20th
	Sibsagar	333	29·367	—·016	29·658	29·533	21st	29·242	14th	·291	79·2	88·0	—1·2	77·5	—0·2	82·7	—0·7	10·5	93·6	8th & 24th.	75·0	24th
	Tezpur	252	29·434		29·644	29·609	21st	29·301	14th	·308	79·7	88·9		78·4		83·6		10·5	94·1	8th	75·9	1st & 24th.
	Gauhati	195	29·483		29·632	29·659	21st	29·331	14th	·328	81·9	89·6		78·0		83·8		11·6	92·8	5th, 8th & 24th.	75·1	1st
	Dhubri	115	29·550	—·013	29·619	29·743	21st	29·392	14th	·351	81·0	85·7	—0·3	79·0	+0·7	82·3	+0·2	6·7	89·0	8th	75·8	30th
	Silchar	104	29·614	—·004	29·670	29·787	21st	29·472	12th	·315	80·5	89·5	0	77·0	+0·2	83·3	+0·1	12·5	94·8	3rd & 12th.	74·3	22nd & 24th.
5	Cox's Bazar	36	29·657		29·647	29·842	30th	29·537	7th	·305												
	Chittagong	87	29·604	—·023	29·687	29·795	21st	29·453	11th	·342	79·7	85·7	+0·2	76·4	+0·3	81·1	+0·3	9·3	89·5	2nd & 8th.	75·0	10th, 11th & 23rd.
	Noakhali	43	29·645		29·635	29·837	21st	29·478	12th	·359	80·3	85·0		77·5		81·2		7·5	87·3	28th	75·9	25th & 26th.
	Barisal	12	29·646	—·006	29·605	29·857	21st	29·477	12th	·380	81·1	86·7	—0·1	77·8	—0·4	82·3	—0·3	8·9	90·3	30th	75·6	11th
	Comilla	36	29·647		29·631	29·838	21st	29·493	12th	·345	80·4	87·5		77·9		82·7		9·6	92·3	28th	75·3	17th
	Narayanganj	26	29·634	—·013	29·609	29·845	21st	29·473	12th	·372	82·1	87·9	+0·4	·9	—0·1	83·4	+0·1	9·0	92·0	24th	76·8	19th & 24th.
	Faridpur	46	29·615		29·611	29·833	21st	29·449	12th	·384	81·8	86·7		79·4		83·0		7·3	91·3	23rd	77·4	17th & 18th.
	Sirajganj	49	29·611		29·609	29·821	21st	29·442	12th	·379	81·6	85·7		79·		82·4		6·7	91·9	24th	75·3	31st
	Mymensingh	63	29·613	—·005	29·627	29·819	21st	29·464	12th	·355	82·4	87·4	+0·5	8·7	+0·6	83·0	+0·5	8·7	93·1	24th	76·1	31st
	Bogra	75	29·587	—·004	29·613	29·798	21st	29·425	12th	·373	82·6	87·9	—0·4	78·7	+0·3	83·3	—0·1	9·2	93·2	23rd & 24th.	74·7	31st
	Rampur Boalia	70	29·568		29·587	29·783	21st	29·374	12th	·409	82·9	88·1		79·5		83·8		8·6	92·1	23rd & 24th.	74·1	31st
	Malda	72	29·539†		29·563†	29·708	22nd	29·385	13th	·323	82·0	88·1		78·5§		83·3§		9·6	92·8	24th	74·5	31st
	Dinajpur	123	29·522	—·006	29·599	29·740	21st	29·345	12th	·395	81·6	88·6	—0·2	78·6	0	83·6	—0·1	10·0	94·3	24th	75·0	21st
	Rangpur	128	29·542		29·620	29·754	21st	29·387	12th	·367	82·4	89·1		78·2		83·7		10·9	95·1	24th	75·4	30th & 31st.

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

† Mean of 29 days. § Mean of 30 days.

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

3.

n India, etc., in August, 1910.

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 May to 31st August, 1910.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August, 1910.	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
																															I.—Burma.
1	2	1	6	8	7	6		S 17° W					53						7·7												Victoria Point
		2	3	4				S 34° E	N 87° W	10·4	1·7	+8·7	23	−37	93	+ 1	·867	+·073	7·3	−0·3	25	25·00	0	28·47	29·97	− 1·50	82·35	111·02	−28·67	3·95	Mergui.
								(a)	S 62° W	1·2	1·6	−0·4			91	− 2	·858	−·007	8·0	−0·4	25	27·40	−2·40	51·82	47·29	+ 4·53	150·80	60·05	− 9·25	7·60	Tavoy.
		6	5	7	1			S 38° E	S 4° W	4·8	3·8	+1·0	46	− 9	94	0	·887	+·017	9·4	+1·4	24	27·10	−3·10	36·59	40·63	− 4·04	128·19	142·37	−14·18	4·07	Moulmein.
			4	6	3	2		S 7° W	S 57° W	2·9	4·4	−1·5	37	−21	80	− 5	·909	−·002	8·5	−0·7	24	23·90	+0·10	14·26	19·85	− 5·59	68·42	69·57	− 1·15	1·94	Rangoon.
				2	2	1	1	S 49° W	S 15° W	3·8	4·2	−0·4	13	−44	93	− 1	·946	+·031	7·5	−1·1	21	25·40	−4·40	16·12	23·17	− 7·05	52·14	82·35	−30·21	3·33	Bassein.
1		4	5	15	4	2		S 37° W	S 46° W	12·1	8·9	+3·2	66	− 9	84	− 2	·914	+·024	6·3	−2·3	15	22·10	−7·10	16·55	23·45	− 6·90	58·97	82·85	−23·88	3·10	Diamond Island.
2	3	1	16	5	1			S 47° E	S 34° E	3·3	4·2	−0·9	62	−13	91	− 1	·933	+·032	9·8	+0·5	28	24·30	+3·70	22·21	18·68	+ 3·53	55·55	57·00	− 1·45	2·82	Toungoo.
	2	4	14	1	9			S 30° E		5·2*			59		91		·917		6·3		25			37·44			111·00			5·05	Kyaukpyu.
1	3	2	8	4	8	2		S 10° E	S 39° E	3·7	3·4	+0·3	40	−14	95	+ 1	·940	−·009	8·6	−0·4	25	26·60	−1·60	58·08	42·00	+16·08	146·71	151·29	− 4·58	6·60	Akyab.
			11	11	8			S 5° E	S 10° E	6·2*	6·4	−0·2	79	− 3	86	+ 1	·903	+·030	7·5	−1·2	14	13·20	+0·80	2·35	6·43	− 4·08	12·01	23·77	−11·76	0·29	Thayetmyo.
			28	3				S 41° E	S 39° E	5·4	12·2	−6·8	99	+ 7	84	− 1	·875	+·003	8·3	+2·1	13	8·60	+4·40	4·64	5·10	− 0·46	19·03	19·99	− 0·96	0·83	Minbu.
			17	14				S 25° E	S 28° E	5·2	8·3	−3·1	96	+ 8	86	− 1	·837	−·008	7·6	+2·6	9	11·50	−2·50	8·89	6·40	+ 2·49	23·48	21·54	+ 1·94	2·56	Yamethin.
			12	7	1			S 26° E	S 1° W	7·0	8·0	−1·0	59	−21	79	0	·825	−·033	6·7	−0·9	10	7·00	+3·00	6·53	3·99	+ 2·54	28·41	18·38	+10·03	2·29	Mandalay.
1		4	21	4				S 46° E		4·7			86		86		·938		9·0		5	7·70	−2·70	4·94	4·62	+ 0·32	22·09	16·03	+ 6·06	3·00	Monywa.
2	1	1	1	1	10	1	1	S 55° W		3·7*			27		92	+ 1	·733	−·009	8·9	−0·1	20			15·23	12·84	+ 2·44	50·11	44·38	+ 5·73	3·11	Lashio.
								(a)	N 89° W	1·5	1·6	−0·1			93	+ 1	·906	+·008	8·9	+0·7	16	19·60	−3·60	14·51	16·55	− 2·04	64·57	55·74	+ 8·83	1·96	Bhamo.
5	8	2						N 80° E		2·1			43		88		·857		8·0		18			15·95	14·18	+ 1·77	72·53	53·92	+18·61	5·40	Myitkyina.
																															II.—Eastern Bengal and Assam.
2	1		1	1	2	1		N 68° W		1·2			32		93		·913		7·9		22	18·40	+3·60	17·54	19·25	− 1·71	78·11	73·88	+ 4·23	2·90	Dibrugarh.
1	5		2	3	3		2	S 65° E	S 1° W	1·9	2·7	−0·8	3	−13	96	+ 2	·955	−·009	8·0	−1·1	19	17·70	+1·30	20·08	16·54	+ 3·54	64·15	59·87	+ 4·28	3·33	Sibsagar.
	1	1						N 66° E		1·7			7		93		·930		8·4		17	15·50	+1·50	18·24	13·14	+ 5·10	53·78	48·46	+ 5·32	5·64	Tezpur.
2	3	2	2	1	1	1		N 75° E		2·1			13		88		·960		7·7		10	13·30	−3·30	6·01	10·56	− 4·55	38·40	42·37	− 3·97	1·62	Gauhati.
5	9	3	4	4				S 65° E	S 69° E	5·3	4·4	+0·9	43	+11	90	− 1	·958	+·017	6·1	−2·4	9	14·50	−5·50	12·96	13·29	− 0·33	82·46	67·38	+15·08	4·56	Dhubri.
								(a)‡	S 87° E						90	− 1	·941	+·004	5·5	−3·8	22	21·50	+0·50	18·99	20·26	− 1·27	83·35	77·92	+ 5·43	2·87	Silchar.
2	4	10	12	2				S 30° E		5·0			71						5·5		20			33·64			81·87			7·06	Cox's Bazar.
		16	6	3				S 25° E	S 41° E	5·2	6·3	−1·1	69	− 2	89	0	·908	−·004	9·1	+0·9	18	17·94	+0·06	25·19	16·86	+ 8·33	76·73	68·87	+ 7·86	7·28	Chittagong.
	7	10	8	4	1			S 29° E		8·0			68		91		·935		6·5		25	22·53	+2·42	27·32	23·93	+ 3·39	93·36	79·38	+13·98	4·38	Noakhali.
	3	4	10	3	1			S 11° E	S 17° E	2·0	3·6	−1·6	49	+13	91	+ 2	·954	−·011	8·5	−0·1	21	18·74	+2·26	12·87	12·29	+ 0·58	54·19	51·52	+ 2·67	1·60	Barisal.
	4	15	4					S 45° E		4·3			68		91		·952		5·1		22	17·14	+4·86	20·61	15·80	+ 4·81	79·10	61·77	+17·33	4·20	Comilla.
	8	5	6	5	2	1		S 24° E	S 32° E	5·7	7·1	−1·4	43	−25	88	− 2	·960	−·012	8·3	−0·4	21	17·83	+3·17	11·45	12·01	− 0·56	53·79	46·40	+ 7·39	1·43	Narayahganj.
	4	7	13	2		1		S 20° E		4·1			68		89		·968		8·1		16	16·22	−0·22	8·36	12·08	− 3·72	55·46	45·60	+ 9·86	0·85	Faridpur.
1	4	7	12	3	1			S 18° E		4·0			61		89		·953		7·8		18	13·87	+4·13	16·05	10·86	+ 5·19	46·89	41·68	+ 5·21	4·11	Sirajganj.
	9	8	1					S 65° E	S 56° E	1·9	3·6	−1·7	53	−15	88	− 3	·958	+·013	8·3	+0·8	23	18·90	+4·10	15·23	14·34	+ 0·89	83·95	59·97	+23·98	3·81	Mymensingh.
	12	1	5	1				S 62° E	S 55° E	2·2	3·6	−1·4	43	−28	82	− 7	·920	−·048	7·2	0	20	15·90	+4·10	16·56	11·62	+ 4·94	54·17	45·20	+ 8·97	3·06	Bogra.
1	2	2	6	4				S 6° E		4·9			32		87		·994		7·1		16	14·68	+1·32	7·48	10·53	− 3·05	28·91	38·23	− 9·32	1·25	Rampur Boalia.
5	9	6	6	2	1	1		S 63° E		5·8*			48		91		·988		6·5		18	14·48	+3·52	15·22	10·27	+ 4·95	33·18	35·08	− 1·90	2·40	Malda.
2	12	5	4	1	2			S 64° E	S 68° E	3·9	3·8	+0·1	49	−19	90	0	·973	+·010	7·1	−0·9	17	15·71	+1·29	15·15	14·01	+ 1·14	58·95	50·01	+ 8·94	3·60	Dinajpur.
2	7	7	1	1				S 69° E		1·9			45		87		·968		4·8		11	13·35	−2·35	14·66	13·02	+ 1·64	80·25	59·35	+20·90	3·72	Rangpur.

(a) Indeterminate.

‡ Mean of 3 days.

* Uncorrected for scale error.

ons, the elevations o which exceed 3,200 feet.

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

Number of subdivision.	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 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	2
	II.—Eastern Bengal and Assam—*concld.*																					
5	Jalpaiguri	283	29·374	—·015	29·612	29·582	21st	29·206	14th	·376	81·7	90·5	+2·4	78·2	+1·5	84·4	+1·9	12·3	95·4	24th	74·9	24th
	Cooch Behar	156	29·509		29·619	29·718	21st	29·352	14th	·366	81·3	88·5		78·6		83·5		9·9	92·8	24th	75·6	25th 29t
	III.—Bengal.																					
6	Saugor Island	25	29·603	—·018	29·573	29·842	21st	29·367	3rd	·475	83·1	88·8	+1·6	80·6	+0·8	84·7	+1·2	8·2	92·0	20th, 21st & 30th.	76·5	25th
	Midnapore†	149	29·483		29·578	29·720	21st	29·266	3rd	·454	82·0	89·8‡		78·7		84·3‡		11·1	94·3	23rd	75·7	25th
	Calcutta	21	29·613	—·011	29·581	29·853	21st	29·418	3rd	·435	82·1	89·1	+2·0	79·1	+0·8	84·1	+1·4	10·0	93·7	24th	76·0	4th 8
	Jessore	33	29·603	—·019	29·586	29·831	21st	29·432	12th	·399	82·3	88·3	—0·3	78·7	0	83·5	—0·1	9·6	93·0	23rd	75·7	24th
	Krishnagar	47	29·592		29·587	29·815	21st	29·444	11th & 12th.	·371	82·3	90·1		79·3		84·7		10·8	93·9	24th	72·0	20th
	Burdwan	99	29·532	—·013	29·579	29·777	21st	29·342	12th	·435	82·3	89·5	+0·3	79·3	+0·2	84·4	+0·3	10·2	94·4	24th	75·8	24th
	Bankura	313	29·303		29·565	29·553	21st	29·104	4th	·449	82·4	90·2		78·4		84·3		11·8	94·1	23rd	75·7	4th
	Raniganj	334	29·294		29·580	29·543	21st	29·107	12th	·436	80·9	89·1		78·6		83·8		10·5	92·5	7th, 30th & 31st.	76·0	4th
	Berhampore	67	29·568	—·018	29·584	29·808	21st	29·368	12th	·440	81·8	88·4	—0·2	78·7	0	83·5	—0·1	9·7	93·6	24th	73·2	31st
	Naya Dumka	489	29·127†		29·572†	29·367	21st	28·958	12th & 13th.	·409	81·0	88·2†		77·3†		82·7‡		10·9	92·9	24th	75·0	14th, &
7	Balasore	50	29·577	—·009	29·573	29·818	21st	29·276	3rd	·542	82·2	88·8	+0·9	78·5	+0·5	83·6	+0·7	10·3	92·4	24th	76·6	9th, &
	False Point	21	29·615	—·019	29·580	29·852	21st	29·250	3rd	·602	82·9	87·8†	+0·8†	78·0	—0·2	82·9†	+0·3	9·8	91·2	17th & 19th.	71·6	3rd
	Cuttack	80	29·567	—·002	29·588	29·791	21st	29·228	3rd	·563	82·2	89·4	+0·3	78·4	+0·1	83·9	+0·2	11·0	92·9	31st	76·2	3rd, &
	Puri	24	29·634		29·597	29·857	21st	29·364	3rd	·493	83·0	87·8		79·9		83·9		7·9	93·6	19th	75·6	24th
	Angul	455	29·183		29·596	29·412	21st	28·903	3rd	·509	80·9	87·9		77·0†		82·5†		10·9	91·6	31st	74·5	24t
	Sambalpur	486	29·156	—·014	29·589	29·263	21st	28·890	4th	·473	80·7	87·6	+0·4	77·1	—0·1	82·3	+0·1	10·5	92·6	31st	73·6	13th
8	Chaibassa	*733*	28·875	—·012	29·554	29·107	21st	28·647	4th	·460	80·4	89·5	+0·6	76·6	—0·6	83·0	0	12·9	94·6	24th & 30th	73·8	24th
	Ranchi	2,128	27·522	+·003	29·553	27·750	21st	27·328	4th	·422	75·8	83·9	+0·6	73·2	+0·6	78·6	+0·6	10·7	88·2	22nd & 30th.	70·9	5th&
	Purulia	*816*	28·804‡		29·567‡	29·031	21st	28·632	4th	·399	79·2	89·5		76·3		82·9		13·2	93·5	31st	74·1	7th, &
	Hazaribagh	2,007	27·631	—·010	29·550	27·847	21st	27·449	4th	·398	77·1	84·0	+0·3	73·3	+0·1	78·7	+0·2	10·7	88·7	24th	70·3	24th
	Daltonganj	*730*	28·895		29·580	29·118	21st	28·684	4th	·434	79·8	89·1		76·8		83·0		12·3	93·6	1st & 2nd	75·0	6 da
9	Purnea	134	29·505	—·011	29·592	29·742	21st	29·325	12th	·417	82·3	83·0	—1·2	78·7	+0·3	83·3	—0·5	9·3	92·5	23rd & 24th.	75·7	1st
	Bhagalpur	160	29·463		29·574	29·716	21st	29·272	13th	·444	83·2	89·0		78·4		83·7		10·6	94·2	7th	75·8	20th 27
	Monghyr	155	29·458		29·564	29·700	21st	29·269	13th	·431	83·1	89·0		78·8		83·9		10·2	92·7	7th	74·9	21s
	Darbhanga	165	29·454	—·020	29·573	29·704	21st	29·285	13th	·419	83·5	89·6	+1·1	80·3	+1·0	84·9	+1·1	9·3	94·1	24th	73·3	24
	Pusa	188	29·425		29·566	29·671	21st	29·251	13th	·420	83·4	90·6		79·1		84·8		11·5	94·7	7th	75·1	24
	Muzaffarpur	177	29·452		29·584	29·707	21st	29·282	13th	·425	83·0	89·1		79·3		84·2		9·8	93·2	7th	74·5	24
	Motihari	221	29·402		29·582	29·651	21st	29·236	14th	·415	82·2	89·6		79·4		84·5		10·2	92·6	8th & 29th.	76·3	4
	Chapra	181	29·426		29·560	29·655	21st	29·266	13th	·389	81·8§	90·7		77·4§		83·9§		13·3	94·3	9th	75·1	10
	Patna	183	29·427	—·023	29·564	29·659	21st	29·238	13th	·421	83·6	88·4	—0·7	79·6	+0·1	84·0	—0·3	8·8	92·5	7th	76·2	2
	Arrah	190	29·421		29·563	29·661	21st	29·251	13th	·410	83·5	89·1		79·3		84·2		9·8	97·6	8th	76·3	14th 31
	Buxar	239	29·365		29·559	29·594	21st	29·198	4th	·396	82·3	89·2		78·3		83·7		10·9	96·0	6th	76·1	5 da
	Dehri	351	29·260†		29·564†	29·477	21st	29·065	12th	·412	81·9	89·4		78·7		84·1		10·7	94·3	3rd	75·0	29
	Gaya	372	29·230	—·022	29·554	29·452	21st	29·054	13th	·398	82·3	89·9	—0·1	78·4	0	84·2	—0·1	11·5	94·4	6th	75·2	14th &
	IV.—United Provinces of Agra and Oudh.																					
10	Gorakhpur	257	29·357	—·004	29·571	29·589	21st	29·214	14th	·375	82·7	88·9	—0·9	76·7	—2·1	82·8	—1·5	12·2	93·1	7th & 24th.	72·5	17
	Benares	267	29·344	—·002	29·564	29·560	21st	29·170	4th	·390	82·2	90·5	+1·0	78·3†	—0·5†	84·3†	+0·3	12·2	93·6	3rd, 7th & 31st.	74·1	29
	Allahabad	309	29·299	—·004	29·563	29·516	21st	29·136	8th	·380	81·9	90·5	+0·7	77·2	—1·4	83·9	—0·3	13·3	95·6	1st.	73·5	2nd

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

† Mean o 30 days.

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

‡ Mean of 29 days.

—continued.

India, etc., in August, 1910—continued.

Wind direction. Number of winds from N. (26)	N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction. (34)	Normal direction. (35)	Wind velocity. Mean velocity, miles per hour. (36)	Normal. (37)	Departure from normal. (38)	Wind steadiness. Actual percentage. (39)	Departure from normal. (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal. (42)	Mean vapour tension at 8 hrs. in inches of mercury. (43)	Departure from normal in inches of mercury. (44)	Cloud. Mean amount at 8 hrs. (45)	Departure from normal. (46)	Rainfall. Number of rainy days. (47)	Normal number of rainy days. (48)	Departure from normal. (49)	Rainfall of month. (50)	Normal rainfall of month. (51)	Departure from normal. (52)	Total rainfall from 1st May to 31st August, 1910. (53)	Normal rainfall for period, 1st May to 31st August. (54)	Departure from normal of period, 1st May to 31st August 1910. (55)	Heaviest rainfall during month. (56)	Station. (57)
																															II.—Eastern Bengal and Assam—*concld*
	2	8	3		1			S 83° E	N 78° E	2·0			37	−20	88	− 4	·960	+ ·014	8·2	−0·1	14	18·33	− 4·38	17·15	24·87	− 7·72	112·28	93·15	+19·13	4·12	Jalpaiguri.
	3	14	2	1	3	2		S 81° E		2·0			42		89		·952		8·1		13	16·72	− 3·72	19·74	20·42	− 0·68	138·67	93·41	+45·26	4·62	Cooch Behar.
																															III.—Bengal.
	3	2	4	6	13	1	2	S 18° W	S 10° W	15·2	13·4	+1·8	49	+ 2	87	−2	·985	−·005	8·4	−0·7	9	17·00	− 8·00	6·47	15·68	− 9·21	35·72	46·74	−11·02	2·57	Saugor Island.
3	3		2	18	2			S 6° E		3·1			61		83		·896		7·2		13	16·00	− 3·00	7·99	12·51	− 4·52	27·09	41·27	−14·18	1·97	Midnapore.
	1	3	6	3	15	1	2	S 17° W	S 18° E	5·0*	4·7	+0·3	56	+ 9	87	− 2	·965	+·001	7·8	−0·7	17	18·88	− 1·88	11·05	12·38	− 1·33	33·47	41·68	−8·21	2·22	Calcutta.
			7	3	2			S 21° E	S 25° E	1·4	3·7	−2·3	30	−20	87	− 4	·969	−·028	5·5	−2·9	18	17·03	+ 0·97	14·92	10·55	+ 4·37	47·04	43·07	+3·97	3·15	Jessore.
	1	5	4	4	1			S 49° E		1·3			32		89		·984		7·2		15	14·26	+ 0·74	14·36	10·25	+ 4·11	50·68	37·01	+13·64	2·19	Krishnagar.
2	2	4	1	1	15	2		S 36° W	S 32° E	2·8	3·4	−0·6	37	+ 5	88	+ 1	·971	+·028	8·0	−0·7	11	16·48	− 5·48	5·74	11·25	− 5·51	39·14	40·00	−0·86	1·82	Burdwan.
	1	2	2	1	4		1	S 14° E		3·7			13		82		·895		5·6		9	16·66	− 7·66	5·89	11·66	− 5·77	29·58	38·74	−9·16	1·68	Bankura.
	1	3	1		2			S 72° E		1·7			10		91		·959		8·2		17	16·00	+ 1·00	7·92	13·01	− 5·09	35·35	40·86	− 5·51	1·70	Raniganj.
	1	9	3	11	3			S 34° E	S 79° E	4·4	4·0	+0·4	59	+19	89	− 3	·967	−·020	8·9	0	19	16·39	+ 2·61	14·94	11·71	+ 3·23	44·41	37·17	+7·24	3·81	Berhampore.
		3	1	2				S 53° E		1·2†			16		87		·921		6·3		18	18·23	− 0·23	14·70	13·41	+ 1·29	39·85	41·11	−1·26	3·48	NayaDumka.
1	3	2		2	17	1	3	S 52° W	S 41° W	4·1	4·3	−0·2	46	+ 6	82	− 7	·894	−·080	6·2	−2·1	11	16·03	−5·03	9·07	11·34	− 2·27	24·59	40·31	−15·72	2·15	Balasore.
1		2	2	1	13	9		S 54° W	S 57° W	9·7	9·8	−0·1	59	− 2	85	− 3	·948	−·010	7·6	−0·7	12	16·16	− 4·16	7·20	13·68	− 6·48	28·28	39·10	−10·82	2·89	False Point.
1	1		1	2	12	9		S 60° W	S 66° W	3·6*	2·7	+0·9	59	+12	83	0	·919	+·023	6·2	−1·4	15	16·19	− 1·19	16·24	13·20	+ 3·04	43·64	59·72	+ 3·92	4·81	Cuttack.
3	1		1	1	22	1		S 47° W		12·5			65		85		·958		6·1		9	12·85	− 3·85	9·16	12·13	− 2·97	32·62	32·97	− 0·35	2·99	Puri.
	1	3	2	1		6	11	N 56° W		6·2			36		85		·893		5·5		13			9·62			33·36			3·00	Angul.
	3		3	3	17	5		S 41° W	S 30° W	5·3	4·4	+0·9	66	+ 6	84	− 2	·891	+·008	8·3	+0·2	15	17·10	−2·10	19·52	17·63	+ 1·89	40·15	53·42	−13·27	4·86	Sambalpur.
1	3	2		1	10	11	1	S 71° W	S 54° W	4·4	1·8	+2·6	53	+20	85	0	·886	−·017	7·8	+0·1	11	16·94	− 5·94	5·90	11·77	− 5·87	27·12	36·96	− 9·84	1·06	Chaibassa.
2	3	2	1	8	3	7	4	S 61° W	S 56° W	6·7	7·3	−0·6	27	+13	88	− 1	·785	−·014	8·0	0	22	17·84	+ 4·16	16·34	11·27	+ 5·07	45·62	39·52	+ 6·10	3·84	Ranchi.
1	3	2	1	1	1	1		N 72° E		1·5			10		91		·911		3·3		13	16·52	− 3·52	9·84	12·30	− 2·46	28·11	37·52	− 9·41	3·33	Purulia.
2		6	1	7	3	7	5	S 54° W	S 5° W	7·4	7·7	−0·3	27	+ 2	83	− 6	·755	−·048	7·7	−1·1	18	17·77	+ 0·23	16·61	12·60	+ 4·01	34·40	38·45	− 4·05	3·05	Hazaribagh.
1	3	7	3	1	3	5		S 63° E		4·5†			13		88		·894		5·8		17	15·74	+ 1·26	13·24	12·11	+ 1·13	25·83	31·76	− 5·93	3·39	Daltonganj.
	8	2	1		4			N 69° E	S 89° E	1·1	3·0	−1·9	17	−37	91	+ 1	1·004	+·024	7·6	0	13	16·57	− 3·57	7·09	14·40	− 7·31	44·17	43·75	+ 0·42	1·37	Purnea.
	4	7	4	2	4			S 63° E		2·8			36		86		·984		7·4		11	13·32	− 2·32	9·64	11·26	− 1·62	30·77	34·55	− 3·78	1·89	Bhagalpur.
		9	10	1	4	3	2	S 42° E		6·3			45		88		·990		7·9		15			8·05			26·94			1·90	Monghyr.
	2	16	2	2	3	2	1	S 76° E	S 74° E	4·3	4·4	−0·1	46	−18	85	− 4	·937	+·015	7·3	+0·5	9	14·07	− 5·07	6·11	13·66	− 7·55	32·45	36·68	− 4·23	2·18	Darbhanga.
	6	10	4	1	2	1	2	N 86° E		4·4			42		85		·970		6·7		10			6·85			24·05			1·50	Pusa.
	3	12	8		1	1	2	S 83° E		11·0*			55		87		·963		4·2		10	13·03	− 3·03	8·38	10·64	− 2·26	37·98	32·19	+ 5·79	2·28	Muzaffarpur.
	4	12						N 75° E		2·6			52		87		·959		5·8		9	12·97	− 3·97	8·75	12·23	− 3·48	51·68	36·27	+15·41	3·20	Motihari.
								?		?			?		88§		·919§		7·5		15	12·61	+ 2·39	19·87	9·73	+10·14	30·22	28·77	+1·45	5·20	Chapra.
	2	14				5	2	N 67° E	S 78° E	7·3	4·4	+2·9	33	−21	86	− 1	·994	+·025	7·1	−1·8	14	13·52	+ 0·48	18·52	12·58	+ 5·94	45·59	35·71	+ 9·88	4·40	Patna.
	1	3	4	1	3		2	S 31° E		2·0			13		84		·961		7·4		15	12·87	+ 2·13	14·59	10·50	+ 4·09	28·66	32·27	− 3·41	4·90	Arrah.
		12	2	2	2	11	1	S 4° E		4·7			12		87		·958		7·3		16	13·35	+ 2·65	14·25	11·29	+ 2·96	24·42	29·33	−4·91	3·45	Buxar.
	1	1	8	3	4	3		S 10° E		4·5			36		86		·930		6·1		14	14·44	− 0·44	21·44	12·92	+ 8·52	34·09	31·91	+ 2·18	10·02	Dehri.
	7	1				6	2	N 10° W	S 52° E	3·2	3·7	−0·5	27	+ 8	85	− 1	·939	+·008	6·4	−1·6	17	14·26	+ 2·74	12·82	13·18	− 0·36	29·32	35·26	− 5·94	5·71	Gaya.
																															IV.—United Provinces of Agra and Oudh.
	3	2	3		1	1	5	N 29° E	S 88° E	1·9	2·2	−0·3	33	− 3	89	+ 1	·990	+·035	4·1	−1·8	19	14·10	+4·90	30·13	13·24	+16·89	55·69	37·42	+18·27	5·70	Gorakhpur.
	1	4	2		2	5	2	S 66° W	S 54° E	2·2	4·1	−1·9	7	− 4	87	− 2	·955	−·008	7·7	−0·3	13	13·40	−0·40	10·36	12·05	− 1·69	18·97	30·37	−11·40	3·32	Benares.
	4	7	2	1	6	8	3	S 61° W	N 79° W	5·0	5·6	−1·6	10	+ 6	84	− 3	·922	−·032	8·6	−0·1	13	11·80	+1·20	8·70	12·03	−3·33	18·57	30·89	−12·32	1·87	Allahabad

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

§ Mean of 23 days.

* Uncorrected for scale error.

Tabl

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

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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	2
IV.—United Provinces of Agra and Oudh—*concld.*																						
Cawnpore	416	29·179	—·012	29·550	29·382	21st	29·043	8th	·339	81·9	90·5	+0·6	76·8	—1·5	83·7	—0·5	13·7	94·0	11th	72·5	25th	21
Lucknow	368	29·241	—·001	29·565	29·459	21st	29·106	8th	·253	82·7	91·2	+0·9	78·2	—0·4	84·7	+0·3	13·0	98·0	12th	74·1	19th	23
Bahraich	401	29·213	+·006	29·571	29·438	21st	29·075	14th	·363	82·8	89·2	—0·7	78·4	+0·4	83·8	—0·1	10·8	94·6	7th	74·5	24th	20
Jhansi	824	28·790	—·016	29·565	28·983	22nd	28·615	5th	·368	81·2	89·2	+0·3	77·6	+0·5	83·4	+0·4	11·6	93·5	21th	70·5	18th	23
Agra	556	29·036	—·021	29·545	29·235	21st	28·899	12th	·336	83·5	93·0	+1·9	79·1	+0·3	86·1	+1·1	13·9	99·0	20th	74·5	25th	24
Mainpuri	516	29·064	—·018	29·534	29·261	21st	28·930	7th	·331	82·2	92·3	+1·5	78·8	+0·4	85·5	+0·9	13·5	96·8	22nd	75·1	2nd	21
Bareilly	558	29·033	—·003	29·557	29·258	21st	28·878	12th	·380	82·1	89·4	—0·5	77·5	—0·5	83·4	—0·5	11·9	94·3	7th	74·5	24th	19
Meerut	733	28·864	—·006	29·554	29·079	21st	28·682	12th	·397	81·3	91·2	+0·3	77·6	—0·7	84·4	—0·2	13·6	96·6	19th	73·0	25th	23
Roorkee	899	28·718	+·007	29·577	28·957	21st	28·523	12th	·434	80·0	87·7	—3·0	76·8	—0·2	82·2	—1·6	10·9	93·0	7th & 9th	72·9	31st	20
Dehra Dun	2,233	27·417	—·007	29·568	27·643	21st	27·217	12th	·426	75·0	83·0	—1·0	72·3	—0·8	77·6	—0·9	10·7	88·5	5th	69·5	20th & 31st.	19
V.—Punjab.																						
Delhi	718	28·878	—·006	29·553	29·030	21st	28·709	12th	·371	82·6	92·7	+0·9	79·4	+0·1	86·1	+0·5	13·3	99·7	7th	75·7	24th & 25th.	24
Sirsa	662	28·908	—·014	29·526	29·101	21st	28·725	12th	·376	83·8	95·8	—2·6	78·7	—1·5	87·2	—2·1	17·1	106·3	8th	74·5	22nd	31
Patiala	*818*	28·780		29·561	29·010	21st	28·593	12th	·417	81·7	90·2		78·2		84·2		12·0	97·8	8th	73·8	30th	24
Ambala	832	28·706	+·010	29·557	28·947	21st	28·518	12th	·429	81·1	92·4	—0·4	77·8	—0·3	85·1	—0·3	14·6	99·5	6th	73·9	30th	25
Ludhiana	812	28·780	+·003	29·553	29·002	21st	28·581	12th	·421	81·6	92·4	—2·6	78·6	—0·4	85·5	—1·5	13·8	101·0	8th	74·0	25th	27
Lahore	702	28·863	—·010	29·527	29·081	21st	28·651	12th	·430	83·8	95·2	—3·0	79·7	+1·9	87·4	—0·5	15·5	107·4	8th	75·2	5th & 26th.	32
Sialkot	830	28·753	0	29·550	28·985	22nd	28·544	12th	·441	80·6	89·9	—4·8	77·1	—0·6	83·5	—2·7	12·8	97·5	8th	72·5	25th & 26th.	29
Rawalpindi	1,674	27·930	—·001	29·543	28·146	21st	27·662	12th	·484	79·5	89·6	—4·3	74·8	—0·4	82·2	—2·3	14·8	100·4	8th	68·9	29th	21
Khushab	612	28·954	+·011	29·529	29·165	21st	28·680	12th	·485	84·8	96·5	—3·7	81·3	+0·5	88·9	—1·6	15·2	109·4	8th	73·9	26th	35
Montgomery	558	28·993	—·008	29·510	29·196	21st	28·767	12th	·429	86·6	99·1	—2·9	81·0	—0·6	90·0	—1·7	18·1	110·9	8th	74·0	15th	36
Multan	420	29·119	—·013	29·495	29·324	21st	28·880	12th	·444	88·1	102·0	+1·3	84·2	+2·1	93·1	+1·7	17·8	109·8	2nd	78·0	25th	31
VI.—North-West Frontier Province.																						
Peshawar	1,110	28·463	—·016	29·530	28·698	22nd	28·175	12th	·523	82·6	94·7	—4·5	77·6	—0·2	86·2	—2·3	17·1	105·2	8th	69·4	26th	35
D. I. Khan	590	28·854	—·024	29·505	29·158	21st	28·693	12th	·465	86·2	98·7	—2·4	81·8	+0·8	90·3	—0·8	16·9	107·4	8th	71·1	26th	36
VII.—Sind.																						
Jacobabad	186	29·333	—·033	29·475	29·571	20th	29·104	12th	·467	88·7	105·3	+1·5	83·9	+2·5	94·6	+2·0	21·4	112·1	2nd	78·8	18th & 25th.	33
Hyderabad	96	29·459	—·034	29·507	29·679	21st	29·283	12th	·396	82·6	94·8	—0·7	79·5	+0·8	87·1	+0·1	15·3	100·5	1st	77·0	19th	23
Karachi	13	29·603	—·022	29·568	29·787	21st	29·452	13th	·335	79·7	85·3	+0·8	77·3	+0·1	81·3	+0·5	8·0	91·0	22nd	75·0	31st	16
VIII.—Rajputana.																						
Bikaner	*771*	28·799	—·023	29·524	28·995	21st	28·630	12th	·365	83·0	95·3	—1·8	79·0	—1·6	87·1	—1·7	16·3	104·0	22nd	74·0	25th	30
Jodhpur	780	28·820	—·030	29·554	29·003	20th	28·692	12th	·311	79·8	89·6	—5·1	76·6	—1·8	83·1	—3·5	13·0	98·5	22nd	73·3	18th	25
Jaipur	1,431	28·199	—·016	29·568	28·378	21st	28·079	8th	·299	80·3	89·4	—2·2	76·5	+0·4	82·9	—0·9	12·9	98·2	21st	73·1	18th	25
Sambhar	1,254	28·367	—·005	29·564	28·537	20th & 21st.	28·256	12th	·281	80·7	91·0	—0·3	76·3	—0·9	83·6	—0·6	14·7	98·4	21st	73·9	4 days	24
Ajmer	1,611	28·026	—·019	29·571	28·202	20th	27·907	5th	·295	77·7	85·0	—3·2	76·5	+1·2	80·8	—1·0	8·5	90·4	22nd	73·7	17th & 19th.	16
Kotah	819	28·773	—·026	29·541	28·939	22nd	28·597	5th	·342	81·7	89·7	—2·0	78·4	—1·1	84·1	—1·5	11·3	98·0	1st & 23rd	75·1	29th	22
Udaipur	1,925	27·736	—·026	29·582	27·892	20th	27·583	5th	·309	76·9	83·5	—2·5	73·3	—0·7	78·4	—1·6	10·2	88·5	21st	69·3	8th	19

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.

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India, etc., in August, 1910—continued.

Wind direction. Number of winds from N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction. (34)	Normal direction. (35)	Wind velocity. Mean velocity miles per hour. (36)	Normal. (37)	Departure from normal. (38)	Wind steadiness. Actual percentage. (39)	Departure from normal. (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal. (42)	Mean vapour tension at 8 hrs. in inches of mercury. (43)	Departure from normal in inches of mercury. (44)	Cloud. Mean cloud amount at 8 hrs. (45)	Departure from normal. (46)	Rainfall. Number of rainy days. (47)	Normal number of rainy days. (48)	Departure from normal. (49)	Rainfall of month. (50)	Normal rainfall of month. (51)	Departure from normal. (52)	Total rainfall from 1st May to 31st August, 1910. (53)	Normal rainfall for period, 1st May to 31st August. (54)	Departure from normal of period, 1st May to 31st August, 1910. (55)	Heaviest rainfall during month. (56)	Station. (57)
																														IV.—United Provinces of Agra and Oudh—*concld.*
1	9	3	4	6	6		S 10° E	S 2° W	3·2	4·0	−0·8	33	+26	86	− 1	·942	−·012	4·5	−3·0	19	12·30	+6·70	9·82	11·96	−2·14	19·49	27·32	−7·83	1·90	Cawnpore.
	9	3		2			S 76° E	S 88° E	3·5	2·9	+0·6	33	+ 7	85	− 3	·953	+·001	6·3	−1·6	14	14·20	−0·20	8·28	11·83	−3·55	21·15	30·08	−8·93	1·60	Lucknow.
	3	12	3	3	2	1	S 26° E	S 70° E	2·6	2·8	−0·2	49	+ 1	87	− 1	·973	+·018	5·8	−0·2	14	12·70	+1·30	12·40	16·80	−4·40	37·15	37·14	+0·01	3·20	Bahraich.
1	4	2		7	10	1	S 62° W	S 85° W	5·9	3·8	+2·1	33	− 3	81	− 1	·867	−·003	5·1	−1·6	12	12·70	−0·70	8·58	11·61	−3·03	18·06	30·20	−12·14	3·07	Jhansi.
5	10	4	2	3	3		S 73° E	S 40° W	6·3	4·9	+1·4	37	+ 8	80	− 2	·910	−·003	6·4	−0·2	12	10·00	+2·00	8·06	8·14	−0·08	15·73	22·20	−6·47	2·26	Agra.
2	9	5	4	5	3	3	S 35° E	S 13° W	2·5	1·6	+1·0	30	+24	84	− 1	·924	−·009	7·0	+0·2	7	10·90	−3·90	7·00	10·13	−3·13	12·54	24·04	−11·50	2·65	Mainpuri.
		1					S 45° E	S 71° E	0·2	2·6	−2·4	3	−19	89	+ 1	·977	+·050	8·4	+1·5	16	12·18	+3·82	19·68	14·33	+5·25	30·23	36·62	−6·39	3·75	Bareilly.
	1	4	9	3	2	1	S 4° W	S 45° E	2·5	1·9	+0·6	43	+25	84	+ 3	·895	+·112?	6·5	−0·4	12	9·40	+2·60	9·84	9·30	+0·54	14·92	22·74	−7·82	2·34	Meerut.
		7		1		3	S 32° E	S 36° E	2·4	2·4	0	13	−19	87	+ 1	·889	+·011	7·2	+0·5	19	12·10	+6·90	17·20	13·09	+4·11	35·29	31·83	+3·46	3·94	Roorkee.
							(a)	S 11° E	1·0	1·0	0			92	+ 2	·802	+·002	8·8	+0·5	26	21·30	+4·70	47·03	30·68	+16·35	87·87	71·21	+16·66	5·90	Dehra Dun.
																														V.—Punjab.
1	7	11			6	3	S 61° E	S 27° W	5·0	3·9	+1·1	27	+ 9	82	+ 4	·900	+·039	7·0	+0·3	13	9·30	+3·70	5·74	8·52	−2·78	13·43	21·13	−7·70	1·70	Delhi.
	11	6	2	6	2		S 50° E	S 42° W	6·1	6·3	−0·2	37	− 3	78	+ 7	·831	+·036	2·2	−2·5	7	4·80	+2·20	2·67	3·87	−1·20	7·09	10·51	−3·42	0·93	Sirsa.
1	6	12	7		3	1	S 41° E		4·7			58		84		·908		6·8		12			13·64			23·38			3·75	Patiala.
	10	12	1		5		S 55° E	S 51° E	3·3	1·3	+2·0	53	+29	85	− 3	·891	−·050?	8·0	+2·5	9	7·90	+1·10	6·81	8·03	−1·22	18·74	22·70	−3·96	2·40	Ambala.
	1	8	1	1		1	S 39° E	S 29° E	1·4	1·8	−0·4	30	− 9	83	+ 4	·899	+·007	5·2	−1·1	11	7·30	+3·70	7·79	6·35	+1·44	21·25	19·25	+2·00	3·04	Ludhiana.
1	3	12	4		2	1	S 45° E	S 41° E	2·8	2·8	0	43	+ 3	80	+ 5	·930	+·040	5·6	+1·8	9	5·20	+3·80	4·59	5·30	−0·71	11·40	14·17	−2·77	1·62	Lahore.
3	13	2		1	2	1	N 83° E	N 82° E	2·1	2·5	−0·4	43	− 4	92	+13	·952	+·060	6·3	+2·1	11	8·40	+2·60	17·43	9·69	+7·74	21·62	21·81	+9·81	4·44	Sialkot.
4	2	2		1	1		N 68° E	S 82° E	1·7	1·7	0	17	−12	85	+ 5	·863	+·024	7·2	+3·0	12	8·00	+4·00	15·48	8·70	+6·78	26·73	20·71	+6·02	2·55	Rawalpindi.
12	12	2	2	1			N 78° E	N 68° E	8·6	6·1	+2·5	69	+12	79	+10	·944	+·085	4·4	+1·6	5	2·80	+2·20	6·76	2·73	+4·03	13·15	9·75	+3·40	4·01	Khushab.
2	5	5	9	8			S 15° E	S 12° W	8·2	8·2	0	56	+ 2	68	+ 5	·841	+·010	4·0	+1·4	8	3·20	+4·80	4·91	2·99	+1·95	8·19	6·88	+1·31	1·46	Montgomery.
1		6	3	4			S 14° E	S 14° E	1·2	2·9	−1·7	27	−16	69	+ 1	·905	+·037	2·1	0	3	2·20	+0·70	0·93	2·02	−1·09	1·66	5·35	−3·69	0·55	Multan.
																														VI.—North-West Frontier Province.
2	2				4	6	N 17° W	N 10° W	2·0	3·6	−1·6	56	+13	77	+ 6	·865	+·042	5·1	+1·8	5	2·30	+2·70	7·17	2·36	+4·81	13·39	5·07	+8·32	2·10	Peshawar.
2		3		2			N 53° E	N 72° E	2·1	2·0	+0·1	37	+ 1	79	+ 5	·979	+·060?	3·1	+0·9	3	2·40	+0·60	0·80	1·63	−0·83	6·42	5·00	+1·42	0·47	D. I. Khan.
																														VII.—Sind.
2	8	2		1			S 47° E	S 41° E	4·1	4·2	−0·1	33	−37	71	0	·952	+·067	2·0	−0·1	2	1·90	+0·10	0·36	1·13	−0·77	2·55	2·60	−0·05	0·21	Jacobabad.
	2	4	21				S 34° W	S 43° W	10·1	16·3	−6·2	79	− 7	74	+ 4	·823	+·049?	5·6	+0·5	1	2·40	−1·40	1·37	2·40	−1·03	10·10	5·66	+4·44	1·30	Hyderabad.
			8	21	1		S 82° W	S 76° W	13·3	16·4	−3·1	89	+ 3	86	− 1	·865	−·037	8·2	+0·4	3	1·90	+1·10	1·73	1·77	−0·04	12·16	6·14	+6·02	1·06	Karachi.
																														VIII.—Rajputana.
3	8	8	7	2	1		S 3° E	S 36° W	6·9	7·7	−0·8	56	−24	75	+ 6	·848	+·018	5·6	+1·1	10	4·90	+5·10	8·87	3·12	+5·75	12·18	9·09	+3·09	3·00	Bikaner.
	1	4	15	4	2		S 50° W		4·4			62		85	+12	·858		8·3		9	5·90	+3·10	5·02	4·56	+0·46	9·92	10·51	−0·59	1·42	Jodhpur.
6	1		2	10	3		N 66° W	N 88° W	4·5*	4·7	−0·2	17	−40	83	+ 4	·860	+·047	8·1	+1·2	13	11·60	+1·40	8·55	8·89	−0·34	12·53	20·70	−8·17	2·30	Jaipur.
4		1	1	12	3		N 78° W	N 84° W	5·	7·7	−2·3	33	−39	82	+ 5	·856	+·061	7·6	+1·3	11	9·40	+1·60	6·16	6·77	−0·61	9·29	16·34	−7·05	2·14	Sambhar.
1			8	7	1		S 70° W	≏ 85° W	7·0	6·9	+0·1	43	−39	88	+ 6	·832	+·033	7·6	+1·3	10	8·90	+1·10	4·98	7·25	−2·27	14·48	17·76	−3·28	0·80	Ajmer.
1	2		5	13	4		85° W		3·5			53		80	+ 8	·855		7·1		15	10·60	+4·40	7·81	7·04	+0·87	20·43	20·03	+0·40	1·28	Kotah.
1	2	4	5	5	1		40° W		3·1			33		84	+ 6	·771		8·5		13	8·70	+4·30	8·84	6·05	+2·79	23·60	15·72	+7·88	1·66	Udaipur.

* Uncorrected for scale error.

(a) Indeterminate.

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

Number of subdivision.	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.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	1	18	1	2	21	22	23
	IX.—Bombay.																					
20	Deesa	466	29·176	—·035	29·597	29·326	20th	29·028	5th	·298	78·7	87·5	−1·4	75·7	+0·1	81·3	−0·7	11·8	98·8	1st	73·4	20th
	Bhuj	395	29·247	−·023	29·592	29·402	21st	29·098	4th & 5th,	·304	79·5	87·1	−1·6	76·3	+0·1	81·7	−0·7	10·8	95·0	22nd	74·5	10th
	Jamnagar	61	29·595		29·601	29·735	21st	29·439	5th	·296	81·4	86·6		76·5		81·4		10·1	90·6	21st	74·2	21st 22nd.
	Dwarka	37?	29·636		29·619	29·775	21st	29·472	4th	·303	80·1	84·0		77·8		80·9		6·2	88·3	1st	75·7	20th
	Rajkot	429	29·242	—·032	29·621	29·365	21st	29·073	5th	·292	78·6	86·6	−2·3	74·7	+0·2	80·7	−1·1	11·9	93·6	22nd	72·0	20th
	Veraval	*18*	29·685	−·039	29·646	29·803	23rd	29·507	4th	·296	79·4	81·8	−0·9	77·6	−0·1	79·7	−0·5	4·2	4·6	1st	76·3	31st. 4 days
	Bhavnagar Para	55	29·615	—·067?	29·644	29·757	20th	29·463	5th	·294	80·3	89·0	−3·8?	76·7	—0·4	82·8	—2·1?	12·3	95·1	22nd	74·5	20th
	Surat	39	29·667	—·032	29·619	29·769	20th	29·493	5th	·276	80·2	85·0	−2·0	77·1	+0·6	81·1	−0·7	7·9	91·1	23rd	75·1	4th
	Ahmedabad	163	29·409	—·044	29·611	29·634	20th	29·340	5th	·294	79·2	88·5	−1·6	76·5	—0·6	82·5	−1·1	12·0	95·6	22nd	74·7	9th
26	Bombay	37	29·722	—·035	29·699	29·794	23rd	29·562	4th	·232	79·4	83·6	−0·4	77·2	+0·2	80·4	−0·1	6·4	87·0	20th & 21st	75·5	24th. 6 days
	Ratnagiri	116	29·682	—·027	29·731	29·747	11th	29·551	4th	·196	78·8	83·3	—0·4	75·1	—0·1	79·2	−0·3	8·2	85·3	18th	72·9	31st
	Goa	199	?	?	?	?	?	?	?	?	77·7	82·3	+0·4	75·9	+0·1	79·1	+0·3	6·4	86·1	15th	74·1	1st & 31st.
	Mormugao	*60*	29·754	—·042	29·749	29·824	11th	29·639	4th	·185	78·7	83·1	—0·3	74·9	—0·9	79·0	—0·6	8·2	85·0	3rd	72·2	31st
	Karwar	44	29·791	—·028	29·770	29·858	15th	29·696	4th	·162	77·6	82·7	+0·2	74·7	+0·1	78·7	+0·1	8·0	84·8	24th	72·0	31st
27	Malegaon	1,436	28·251	—·031	29·652	28·376	22nd	28·115	5th	·261	76·5	86·3	−0·3	72·2	+0·7	79·2	+0·2	14·1	93·4	28rd	69·1	19th
	Ahmednagar	2,154	27·628	—·008	29·694	27·707	22nd	27·473	5th	·234	73·7	82·7	−2·1	69·2	+0·2	76·0	—0·9	13·5	89·4	21st	64·0	19th
	Poona	1,846	27·923	—·026	29·702	28·002	23rd	27·781	5th	·221	73·7	89·1	−1·8	70·6	+1·1	75·4	—0·3	9·5	85·5	21st & 23rd.	67·8	20th
	Sholapur	1,590	28·162	—·038	29·681	28·230	16th	28·011	4th	·219	76·3	88·9	+0·1	72·2	+1·6	80·5	+0·9	16·7	93·8	23rd	68·4	18th
	Bijapur	*1,943*	27·824	—·034	29·692	27·886	15th & 16th.	27·689	4th	·197	74·1	86·0	—0·1	70·2	+0·3	78·1	+0·1	15·8	92·2	20th	67·2	18th
	Belgaum	2,539	27·258	—·031	29·705	27·316	16th	27·140	4th	·176	70·1	77·0	+0·9	66·4	+0·2	71·7	+0·5	10·6	82·8	29th	64·5	18th & 19th,
	X.—Central India.																					
21	Neemuch	1,624	28·130	—·026	29·590	28·194	20th	27·839	5th	·355	75·5	85·0	0	72·3	—0·2	78·7	—0·1	12·7	93·0	1st	69·8	4 days
	Indore	1,823	27·854	—·023	29·613	27·986	22nd	27·671	5th	·315	74·2	83·3	+0·4	71·8	+0·5	77·5	+0·5	11·5	90·1	1st, 22nd & 23rd.	70·1	4 days
22	Nowgong	754	28·863	—·010	29·570	29·064	22nd	28·680	5th	·384	79·4	87·7	—0·2	77·3	+0·6	82·5	+0·2	10·4	94·5	2nd	75·0	14th
	Sutna	1,040	28·568	—·014	29·555	28·760	21st	28·377	5th	·383	79·2	86·9	+1·0	76·8	+0·9	81·8	+0·9	10·1	91·0	1st, 22nd & 26th,	73·7	27th
	XI.—Central Provinces.																					
23	Buldana	2,132	27·002		29·681	27·715	22nd	27·446	2nd	·269	73·9	81·8		70·2		76·0		11·6	89·6	23rd	66·8	18th
	Akola	930	28·773	—·016	29·651	28·874	21st & 22nd.	28·606	4th	·268	77·6	86·9	—0·3	73·2	—0·1	80·0	—0·2	13·7	93·7	23rd	70·1	18th
	Amraoti	1,215	28·472	—·017	29·606	28·590	21st	28·305	4th	·285	75·7	85·3	—0·8	72·7	+0·1	79·0	—0·3	12·6	92·3	1st	69·8	23rd
24	Khandwa	1,044	28·640	—·019	29·634	28·757	22nd	28·464	4th & 5th.	·293	77·2	86·5	+1·0	74·8	+0·7	80·7	+0·9	11·7	94·2	23rd	71·6	18th
	Hoshangabad	1,006	28·602	—·016	29·617	28·788	22nd	28·467	5th	·321	77·1	85·5	+0·5	74·1	+0·3	79·8	+0·4	11·4	93·6	22nd	71·4	19th
	Saugor	1,807	27·839	—·018	29·574	28·006	22nd	27·616	5th	·390	75·9	83·8	+0·2	72·9	+0·1	78·4	+0·1	10·9	91·1	22nd	70·5	18th, 19th & 24th
	Jubbulpore	1,327	28·317	—·005	29·585	28·486	22nd	28·086	5th	·400	76·7	85·0	+0·3	74·0	+0·1	79·5	+0·2	11·0	93·8	1st	71·8	23rd
	Seoni	2,033	27·656	+·004	29·616	27·820	22nd	27·438	4th	·382	75·4	82·3	—0·8	71·1	—0·5	76·7	—0·7	11·2	88·0	21st & 23rd.	66·5	18th
	Nagpur	1,017	28·660	—·001	29·626	28·864	22nd	28·447	4th	·357	77·4	86·7	—0·3	74·3	—0·3	80·5	—0·3	12·4	98·6	21st	70·8	23rd
25	Pendra	2,123?	27·538		29·558	27·743	31st	27·255	4th	·488	76·4	83·5		72·3		77·9		11·2	87·3	2nd	65·2	8th
	Raipur	970	28·687	—·002	29·601	28·865	21st	28·395	4th	·470	77·9	85·8	—0·1	75·5	+0·6	80·6	+0·3	10·3	90·7	22nd, 23rd & 31st.	71·6	5th
	Chanda	*634*	29·059	—·013	29·638	29·191	22nd	28·881	4th	·310	78·8	87·0	—0·6	75·4	+0·4	81·2	—0·1	11·6	92·0	21st & 28th.	72·5	9th & 24th.
	Jagdalpur	1,803	27·908		29·631	28·071	21st	27·705	4th	·366	76·9	83·4		72·2		77·6		11·2	89·2	22nd, 23rd & 28th.	70·1	8th & 24th.

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

† Mean of 30 days.

‡ Mean of 7 days.

§ Mean of 27 days.

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

-continued.

India, etc., in August, 1910—continued.

Wind direction. Number of winds from N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction. (34)	Normal direction. (35)	Wind velocity. Mean velocity, miles per hour. (36)	Normal. (37)	Departure from normal. (38)	Wind steadiness. Actual percentage. (39)	Departure from normal. (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal. (42)	Mean vapour tension at 8 hrs., in inches of mercury. (43)	Departure from normal, in inches of mercury. (44)	Cloud. Mean cloud amount at 8 hrs. (45)	Departure from normal. (46)	Rainfall. Number of rainy days. (47)	Normal number of rainy days. (48)	Departure from normal. (49)	Rainfall of month. (50)	Normal rainfall of month. (51)	Departure from normal. (52)	Total rainfall from 1st May to 31st August, 1910. (53)	Normal rainfall for period, 1st May to 31st August. (54)	Departure from normal of period, 1st May to 31st August, 1910. (55)	Heaviest rainfall during month. (56)	Station. (57)
																														IX.—Bombay.
														89	+5	·878	+·033	9·5	+1·4	16	10·09	+5·91	9·80	6·67	+3·13	23·24	19·35	+3·89	2·73	Deesa.
		1		9	15	6	S 83° W	S 76° W	13·2	15·7	−2·5	82	−8	85	+3	·847	+·010	9·1	+1·8	6	3·70	+2·30	5·89	2·44	+3·45	20·45	12·03	+8·42	2·41	Bhuj.
			3	20	7	1	S 53° W		17·0			88		85		·907		5·9		11			11·97			29·09			3·70	Jamnagar.
			2	13	15	1	S 67° W		15·0			89		88		·902		8·3		6			5·08			13·59			1·77	Dwarka.
			2	17	12		S 60° W	S 77° W	13·5	12·4	+1·1	89	−1	88	+4	·852	+·014	6·5	−1·0	12	6·60	+5·40	14·33	4·52	+9·81	31·39	23·17	+8·22	5·88	Rajkot.
1			1	5	21	3	S 87° W	S 77° W	18·0	11·8	+6·2	89	+7	92	+4	·915	+·035	8·9	+0·7	7	8·10	−1·10	4·45	2·30	+2·15	14·42	14·79	−0·37	1·59	Veraval.
		1	1	20	9		S 55° W	S 48° W	8·5	11·8	−3·3	89	−1	84	+3	·865	−·015	7·7	+0·6	9	8·80	+0·20	7·39	4·42	+2·97	23·92	14·27	+9·65	3·15	Bhavnagar Para.
2		1	3	10	9	2	S 67° W	S 66° W	7·1	9·8	−2·7	59	−21	87	+2	·900	+·011	9·1	+1·5	14	12·30	+1·70	10·92	7·29	+3·63	33·88	34·72	−0·84	3·15	Surat.
		3	10	13	4	1	S 30° W	S 63° W	5·3	4·9	+0·4	79	+7	89	+6	·874	+·015	9·7	+1·4	16	10·90	+5·10	9·28	7·66	+1·62	23·72	27·02	−3·30	2·31	Ahmedabad.
3				9	15	3	S 87° W	S 77° W	13·4*	15·4	−2·0	76	−7	88	+2	·893	+·012	9·2	+0·3	23	19·50	+3·50	18·15	14·07	+4·08	48·18	60·46	−12·28	2·79	Bombay.
		1		7	11	6	S 86° W	S 74° W	12·5†	9·5	+3·0	62	−6	88	0	·863	−·012	8·1	+0·1	26	23·70	+2·30	18·09	22·29	−4·20	66·03	89·62	−23·59	2·62	Ratnagiri.
3	4		1	4	11	4	N 71° W	S 85° W	6·8†	8·7	−1·9	49	−2	90	+1	·856	−·024	9·9	+1·4	25			8·72	19·14	−10·42	71·36	82·87	−11·51	1·20	Goa.
2	1		1	1	19	3	N 84° W	N 56° W	10·8*	11·2	−0·4	69	−8	92	+2	·902	+·004	9·1	+2·1	22			9·11	18·59	−9·48	68·88	76·67	−7·79	1·17	Mormugao
4	3	1	12	1	1	2	S 3° W	N 81° W	4·8	4·3	+0·6	19	−28	87	−1	·831	−·003	7·2	−0·1	23	24·00	−1·00	14·96	23·91	−8·95	93·54	100·95	−7·41	2·33	Karwar.
	1			9	17	4	S 84° W	S 78° W	10·4	12·7	−2·3	82	−4	82	+5	·751	+·031	6·1	−1·2	9	5·80	+3·20	4·4	3·55	+0·88	19·14	13·72	+5·42	1·13	Malegaon.
1	1		2	12	8	5	S 75° W	S 86° W	11·0*	18·5	−7·5	62	−13	82	−1	·679	+·047	2·5	−4·7	8	5·20	+2·80	3·48	2·29	+1·19	19·81	11·15	+8·66	1·10	Ahmednagar
				12	18	1	S 74° W	S 83° W	12·2†	14·8	−2·6	92	+2	88	+5	·719	+·026	8·5	+0·1	15	8·60	+6·40	8·68	3·31	+5·37	20·66	16·42	+4·24	2·24	Poona.
		1	2	13	5	6	S 67° W	S 83° W	8·9	12·8	−3·9	65	−18	80	+5	·718	+·048	8·3	+0·6	7	8·00	−1·00	3·66	6·09	−2·43	12·15	15·64	−3·49	1·21	Sholapur.
				19	6	4	S 65° W	S 82° W	13·3	10·7	+2·6	79	−6	81	−1	·685	−·010	5·4	−2·1	6	5·60	+0·40	5·57	2·47	+3·10	12·05	9·83	+2·22	1·77	Bijapur.
			2	13	12	4	S 71° W	S 83° W	25·0§*	21·5	+3·5	82	−9	93	+1	·682	+·014	8·9	+0·2	18	17·40	+0·60	13·56	8·67	+4·89	32·08	35·06	−2·98	2·18	Belgaum.
																														X.—Central India.
1			1	9	17		S 75° W	S 75° W	8·1	11·0	−2·9	79	−5	90	+5	·793	+·017	8·2	+1·4	13	10·50	+2·50	9·03	9·22	−0·19	24·27	23·58	+0·69	2·35	Neemuch.
1				5	7	15	N 69° W	S 85° W	6·2	5·7	+0·5	72	−10	91	+2	·772	+·006	9·3	+0·4	11	10·60	+0·40	8·18	7·56	+0·62	24·79	23·50	+1·29	2·11	Indore.
	3	4 1	2	4	12		S 67° W	S 89° W	2·8	3·1	−0·3	27	−24	88	+1	·885	+·003	7·8	−0·2	15	14·10	+0·90	13·67	13·51	+0·16	23·91	36·19	−12·28	4·23	Nowgong.
		3 3	2	8	8	1	S 46° W	S 89° W	3·4	7·7	−4·3	43	+2	88	+1	·881	+·010	9·9	+2·5	16	14·40	+1·60	8·15	12·47	−4·32	23·24	34·45	−11·21	1·62	Sutna.
																														XI—Central Provinces.
		1	2	9	15	4	S 76° W		6·9	8·6	−1·7	81		84		·703		8·1		12			8·82	7·28	+1·54	25·41	23·37	+2·04	1·62	Buldana.
1		2	2	5	15	6	S 83° W	N 78° W	7·7	8·6	−0·9	69	−17	81	−2	·773	+·005	8·6	+0·8	15	8·90	+6·10	12·33	6·28	+6·05	25·89	22·48	+3·41	3·16	Akola.
1	1	1	1	3	16	8	N 83° W	N 89° W	11·0	7·8	+3·2	72	−14	88	−1	·781	−·001	9·4	+1·5	13	10·00	+3·00	10·35	6·44	+3·91	26·93	23·77	+3·16	1·72	Amraoti.
1		1 1		5	20	3	S 85° W	N 86° W	8·8	8·7	+0·1	79	−14	85	0	·801	+·033	7·5	−0·2	9	10·70	−1·70	4·15	7·05	−2·90	18·34	22·10	−3·76	0·98	Khandwa.
7		1 1		8	14		S 71° W	S 53° W	5·4	3·9	+1·5	62	−17	91	0	·851	+·015	8·7	+0·1	15	15·00	0	15·96	14·68	+1·28	35·83	38·83	−3·00	8·67	Hoshangabad
3	1	1	2	8	16		S 69° W	S 87° W	6·3	5·3	+1·0	69	+4	88	−2	·773	−·026	8·9	+1·3	18	15·40	+2·60	14·43	12·97	+1·46	26·05	37·53	−11·48	2·66	Saugor.
4	1	2	6	5	9	4	S 61° W	S 77° W	3·3	4·3	−1·0	46	−22	87	−3	·801	−·027	8·6	+0·3	16	16·30	−0·30	13·77	16·48	−2·71	30·25	46·68	−16·43	3·30	Jubbulpore.
3	1	1 2	1	5	9	7	N 84° W	N 76° W	5·8	4·9	+0·9	46	+3	88	−2	·767	−·019	7·2	−1·3	14	16·40	−2·40	12·69	12·49	+0·20	39·21	40·21	−1·00	2·76	Seoni.
2	2	2 1	2	8	12	2	S 70° W	S 89° W	5·3	7·2	−1·9	53	−8	83	−2	·782	−·028	7·7	−1·0	16	12·60	+3·40	12·29	11·06	+1·23	42·76	34·96	+7·80	3·19	Nagpur.
5	5 1	2	6	4	4	4	S 77° W		5·9			23		87		·789		6·4		16			12·35			29·04			2·72	Pendra.
	2	1	22	4	2		S 52° W	S 56° W	7·8	8·4	−0·6	79	+7	87	−2	·828	−·014	7·8	−0·9	14	14·20	−0·20	26·28	13·02	+13·26	49·36	38·73	+10·63	14·58	Raipur.
3	1	1	2	12	12		S 61° W	S 76° W	6·2	5·6	+0·6	69	−9	82	0	·807	+·008	8·3	−0·1	14	13·60	+0·40	12·12	13·90	−1·78	31·24	40·40	−9·16	3·00	Chanda.
1	1 1	5	3	11	5	4	S 47° W					46		85		·782		7·2		20			12·80			44·72			2·30	Jagdalpur.

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

* Uncorrected for scale error.

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

Number of subdivision.	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.
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	27·853	−·028	29·687	27·943	22nd	27·702	5th	·241	73·6	84·0	−1·1	69·9	+0·4	76·9	−0·3	14·1	90·2	23rd	66·2	18th
	Nizamabad	1,248	28·470	−·004	29·655	28·560	22nd	28·314	4th	·246	76·4	86·8	+0·7	73·1	+0·3	80·0	+0·5	13·7	91·4	23rd	70·7	9th
	Bidar	*2,165*	27·535?		29·642?	27·632	10th	27·410	4th	·222	73·8	83·9		66·7*		75·2*		17·2	90·3	23rd	56·5	16th
29	Gulbarga	1,503	28·255	−·031	29·691	28·316	16th	28·125	4th	·191	76·3	89·1	+0·8	72·2	+1·1	80·6	+0·9	16·9	95·5	23rd	63·8	9th
	Raichur	*1,311*	28·455	−·031	29·701	28·516	16th	28·333	4th	·183	77·2	90·6	+2·1	73·1	+0·6	81·9	+1·3	17·5	95·1	18th	70·6	10th
	Hyderabad (Deccan).	1,690	28·054	−·025	29·670	28·127	22nd	27·913	4th	·214	75·7	87·1	+1·0	73·1	+2·0	80·1	+1·5	14·0	94·3	24th	69·2	24th
	Hanumkonda	877	28·847	−·015	29·665	28·933	21st	28·689	4th	·244	79·1	87·0	−1·0	75·0	−0·3	81·0	−0·7	12·0	91·0	4 days	71·2	1st
	XIII.—Mysore.																					
30	Chitaldroog	2,405	27·422	−·027	29·736	27·489	15th	27·323	4th	·166	71·3	80·5	−1·6	67·8	−0·2	74·1	−0·9	12·7	85·6	28th	66·4	18th & 30th.
	Hassan	3,149	26·712	−·023	29·811	26·808	11th	26·662	4th	·146	69·2	77·7	−0·6	65·4	+0·9	71·5	+0·1	12·3	85·1	24th	63·4	18th
	Bangalore	3,021	26·857	−·026	29·748	26·915	11th	26·772	4th	·143	69·4	79·9	−1·9	65·0	+0·4	72·9	−0·7	13·9	84·8	24th	63·3	11th
	Mysore	2,518	27·355	−·029	29·773	27·426	11th	27·286	4th	·140	71·4	80·6	−2·4	66·8	+0·3	73·7	−1·5	13·8	87·0	24th	65·0	11th & 18th.
	XIV.—Madras.																					
31	Mangalore	65	29·791	−·042	29·788	29·877	11th	29·702	4th	·175	76·3	82·3	−1·2	70·1	−3·0	76·2	−2·1	12·2	85·3	4th	68·3	8th, 25th & 31st.
	Calicut	27	29·810	−·010	29·796	29·914	11th	29·781	4th	·133	76·3	81·3	−1·5	74·2	+0·1	77·8	−0·7	7·1	86·3	2nd	71·6	7th
	Cochin	9	29·883	−·025	29·820	29·962	11th	29·837	20th	·125	77·6	83·6	−0·1	74·5	+0·2	79·0	+0·1	9·1	86·7	24th	72·7	5th, 8th & 11th.
	Trivandrum	198	29·678	−·028	29·808	29·753	10th	29·618	24th	·135	76·5	81·5	−0·7	74·3	+1·3	78·0	+0·3	7·3	85·5	16th	72·5	26th & 27th.
32	Tinnevelly	168	29·665	−·021	29·701	29·723	10th	29·595	19th	·128	83·4	94·2	−2·5	77·9	−1·2	86·0	−1·9	16·3	99·2	13th	72·9	25th
	Pamban	37	29·775	−·037	29·741	29·814	10th	29·704	19th	·140	81·3	89·4	+0·4	77·4	−1·2	83·4	−0·4	12·0	91·7	15th & 24th.	73·5	28th
	Madura	447	29·331	−·010	29·760	29·443	10th	29·324	19th	·119	81·0	92·5	−1·1	73·6	−2·2	83·0	−3·1	18·9	98·4	14th	69·6	21st
	Pudukkottai	318	29·499		29·743	29·556	11th	29·433	24th	·123	80·2	92·8		75·2		84·0		17·6	98·5	7th	69·9	25th
	Negapatam	31	29·766	−·040	29·726	29·830	11th	29·711	18th	·119	80·7	91·1	−2·6	76·8	−0·5	84·0	−1·5	14·3	96·5	10th, 12th & 15th	71·0	18th
	Trichinopoly	255	29·564	−·023	29·751	29·627	10th	29·508	4th	·119	81·2	94·0	−2·6	76·1	−0·6	85·1	−1·6	17·9	99·1	11th	72·3	26th
	Coimbatore	1,341	28·484	−·032	29·762	28·555	10th	28·419	4th	·136	74·6	85·6	−2·1	70·7	+0·1	78·1	−1·5	14·9	89·4	12th	68·3	11th
	Salem	940	28·912	−·022	29·790	28·969	11th	28·847	4th	·122	76·0	88·9	−3·3	73·2	+0·7	81·0	−1·3	15·7	92·5	13th	70·4	11th
	Cuddalore	37	29·762	−·022	29·729	29·823	10th	29·705	4th	·118	80·7	92·1	−1·6	76·1	−0·2	84·1	−0·9	16·0	99·1	6th	71·7	18th
	Vellore	707	29·077		29·727	29·146	26th	29·012	4th	·134	7 ·5	89·4		74·8		82·1		14·6	94·7	24th	71·0	20th & 26th.
	Madras	22	29·760	−·030	29·714	29·840	22nd	29·688	3rd	·152	81·3	91·2	−2·6	77·2	−0·1	84·2	−1·3	14·0	97·0	14th	72·5	17th
33	Cuddapah	433	29·356	−·025	29·726	29·413	22nd	29·230	4th	·153	80·1	92·8	−0·9	75·6	−1·2	84·2	−1·1	17·2	98·2	14th	70·1	25th
	Bellary	1,475	28·308	−·033	29·718	28·387	22nd	28·205	4th	·182	76·9	90·1	−0·7	74·0	+0·4	82·1	−0·1	16·1	95·5	24th	71·3	29th
	Kurnool	923	28·835	−·043	29·698	28·924	22nd	28·722	4th	·202	77·5	91·2	+1·4	74·6	+0·9	82·9	+1·1	16·6	94·2	4 days	71·6	10th & 24th.
34	Nellore	66	29·630	−·022	29·691	29·809	22nd	29·590	4th	·219	83·4	91·6	−1·0	79·2	+0·5	86·9	−0·3	15·4	100·6	6th	74·6	
	Masulipatam	15	29·725	−·009	29·675	29·855	22nd	29·610	4th	·245	82·3	90·3	−1·1	77·4	−0·2	83·8	−0·7	12·8	95·8	17th	74·2	6th & 30th.
	Cocanada	26	29·691	−·002	29·654	29·845	22nd	29·567	3rd	·278	80·8	88·3	−1·4	78·5	0	83·4	−0·7	9·8	95·2	18th	75·5	30th
	Waltair (Vizagapatam).	*226*	29·468	−·002	29·634	29·638	22nd	29·298	3rd	·340	80·4	85·4		77·1		81·2		8·3	91·1	7th	73·1	4th
	Calingapatam	19	29·661		29·620	29·842	22nd	29·469	3rd	·373	81·8	87·2		78·5		82·8		8·7	93·9	19th	75·5	8th
	Gopalpur	72	29·573	−·002	29·591	29·781	21st	29·335	3rd	·446	81·3	87·4	0	78·5	−0·3	82·9	−0·1	8·9	93·2	19th	75·0	9th & 23rd.

* Mean of 26 days.

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

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

—continued.

India, etc., in August, 1910—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 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 1910.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, May 1st to 31st August 1910.	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
																															XII.—Hyderabad.
1			1		8	13	5	S 85° W		13·1			69		87	+ 4	·722		9·6		10	9·50	+0·50	5·82	5·29	+ 0·62	19·57	17·47	+ 2·10	1·41	Aurangabad.
		1	1		18	1	2	S 48° W		7·6			59		83	+ 2	·751		4·3		13	14·50	−1·50	7·44	11·36	− 3·92	24·73	26·82	− 2·09	1·90	Nizamabad.
			1		10		7	S 76° W‡		7·0			48		82		·685		8·6		8	12·50	−4·50	4·72	8·39	− 3·67	24·24	23·93	+ 0·31	1·50	Bidar.
4	1	1	1		6	11	5	N 78° W	N 75° W	12·0	13·7	−1·7	53	−28	76	− 4	·686	−·018	5·2	−2·4	7	8·10	−1·10	8·23	4·75	+ 3·48	16·86	16·93	− 0·13	3·95	Gulbarga.
1				1	11	9	9	S 87° W	S 81° W	12·2	13·0	−0·8	76	− 5	74	− 4	·685	−·028	7·3	−0·3	9	8·70	+0·30	4·69	6·52	− 1·83	10·56	15·89	− 5·33	1·56	Raichur.
						20		W	N 83° W	5·5	8·4	−2·9	65	−28	79	− 3	·698	−·018	8·0	+0·4	7			5·98	7·61	− 1·63	16·10	19·70	− 3·60	4·39	Hyderabad (Deccan).
1	1	1		2	4	10	5	S 75° W		6·9			43		77	+ 2	·768		8·1		12	12·00	0	7·55	6·58	+ 0·97	26·03	22·19	+ 3·84	1·55	Hanumkonda
																															XIII.—Mysore.
2					9	16	4	S 82° W	S 78° W	8·6	10·7	−2·1	82	− 6	89	+ 7	·690	+·043	9·3	+0·4	19	7·80	+11·20	8·13	2·68	+ 5·45	20·80	13·01	+ 7·79	1·98	Chitaldroog.
2					8	15	6	S 88° W	N 87° W	9·6	4·4	+5·2	81	− 7	89	+ 6	·637	+·023	7·5	−1·1	16	9·60	+6·40	6·71	3·37	+ 3·34	21·36	17·40	+ 3·96	1·65	Hassan.
					10	17	4	S 81° W	S 78° W	9·1	8·3	+0·8	89	+21	89	+ 4	·644	+·028	9·8	+1·6	12	10·40	+1·60	10·08	5·36	+ 4·72	23·96	16·69	+ 7·27	2·43	Bangalore.
1				1	15	13	1	S 66° W	S 72° W	9·5	12·5	−3·0	86	− 2	84	+ 3	·618	+·006	9·9	+2·0	11	6·40	+4·60	10·11	2·93	+ 7·18	23·41	12·43	+10·98	3·75	Mysore.
																															XIV.—Madras.
0 2	3			1	3	6	6	N 63° W	N 72° W	†4·5	2·5	+2·0	37	+12	91	− 1	·834	−·021	8·9	+0·4	28	24·40	+3·60	25·92	22·26	+ 3·66	93·14	101·17	− 8·03	3·79	Mangalore.
3 3					7	8	10	N 73° W	N 22° W	5·8	7·7	−1·9	63	+26	93	+ 2	·844	+·010	8·6	+1·3	17	18·80	−1·80	16·73	15·80	+ 0·93	70·15	88·24	−18·03	2·58	Calicut.
3	8	2			3	5	10	N 26° W	N 13° W	†7·7	5·8	+1·9	49	+ 2	84	− 2	·791	−·050	9·0	+1·9	17	18·60	−1·60	12·26	13·47	− 1·21	75·10	76·06	− 0·96	2·00	Cochin.
12						1	18	N 29° W	N 13° W	†8·3	9·1	−0·8	96	+13	86	0	·794	−·013	8·9	+1·5	12	9·30	+2·70	5·07	4·15	+ 0·92	30·26	32·51	− 2·25	0·92	Trivandrum.
4 2				1	2	14	8	N 76° W	N 75° W	8·2	8·7	−0·5	69	−11	62	+ 3	·705	+·005	6·6	+1·1	2	1·00	+1·00	1·51	0·48	+ 1·03	6·60	2·68	+ 3·92	0·80	Tinnevelly.
14 1		1	2	3	7	1	2	S 36° W	S 43° W	8·8	10·0	−1·2	30	−35	82	+ 6	·864		4·5		5	0·60	+4·40	4·08	0·81	+ 3·27	6·29	1·65	+ 4·64	1·25	Pamban.
3	1				2	12	13	N 62° W	N 41° W	6·8	3·2	+3·6	79	0	73	+ 7	·758	+·024	7·7	+2·4	8	6·20	+1·80	9·06	3·69	+ 5·37	19·63	9·65	+ 9·98	4·42	Madura.
1 2			1	1	5	9	12	N 76° W		8·2			65		80		·823		7·0		14			11·80			19·33			1·72	Pudukkottai.
2					6	20	3	S 86° W	S 72° W	6·5	6·1	+0·4	86	+ 3	75	+ 4	·795	−·001	5·2	−0·5	8	5·70	+2·30	7·04	3·66	+ 3·38	15·54	8·65	+ 6·89	3·05	Negapatam.
3					9	17		S 75° W	S 85° W	†5·8	8·0	−2·2	79	− 9	68	+ 1	·719	−·007	5·8	−1·1	10	5·40	+4·60	·16	4·35	+ 3·81	18·17	10·10	+ 8·07	3·33	Trichinopoly
16					14	1		S 48° W	S 36° W	6·2	6·5	−0·3	49	−30	92	+ 8	·788	+·015	6·6	+0·8	7	3·00	+4·00	2·80	1·12	+ 1·68	6·44	6·28	+ 0·16	0·83	Coimbatore
4 1			1	6	11	7	1	S 49° W	S 37° W	4·6	4·0	+0·6	62	−10	84	+ 5	·762	−·009	5·1	−1·3	11	9·50	+1·50	5·22	7·47	− 2·25	24·69	18·93	+ 5·76	1·00	Salem.
5 1			1	4	15	3	2	S 48° W	S 73° W	6·0	2·3	+3·7	62	−10	79	− 1	·829	−·051?	6·5	−0·2	13	8·00	+5·00	7·12	5·33	+ 1·79	12·50	11·14	+ 1·36	2·26	Cuddalore.
12		5	4	5		2	3	S 34° E		3·2			23		81		·787		7·7		9	7·90	+1·10	11·08	5·31	+ 5·77	34·36	14·53	+19·83	3·36	Vellore.
1				5	10	14	1	S 62° W	S 66° W	†6·0	6·9	−0·9	79	0	81	+ 6	·861	+·035	6·5	−0·8	8	12·60	−4·60	5·59	5·34	+ 0·25	14·95	12·47	+ 2·48	1·10	Madras.
		2	1		1	16	11	N 74° W	N 82° W				76	− 7	75§	+ 2	·768§	−·005	8·7	+0·9	11	8·00	+3·00	15·91	6·15	+ 9·76	26·56	15·02	+11·54	6·93	Cuddapah.
3 1		1			4	14	8	N 80° W	N 85° W	8·9	11·2	−2·3	69	−17	71	+ 3	·669	+·021	7·5	−0·4	8	4·10	+3·90	4·53	2·32	+ 2·21	12·48	7·76	+ 4·72	1·28	Bellary.
				3	10	11	7	S 78° W	N 89° W	†10·3			76	+11	79	+ 4	·733	+·023	7·4	−0·1	12	9·20	+2·80	5·43	5·94	− 0·51	12·62	15·20	− 2·58	2·05	Kurnool.
2		1		2	7	9	10	N 84° W	N 68° W	†8·0	9·5	−1·5	66	− 9	73	+ 1	·831	+·015	8·0	+0·3	4	5·40	−1·40	1·01	4·03	− 3·02	7·68	8·46	− 0·78	0·41	Nellore.
6 1				2	2	10	10	N 76° W	N 72° W	7·4	7·7	−0·3	59	−24	79	− 4	·868	−·023	6·9	−0·9	13	9·80	+3·20	6·59	6·89	− 0·30	22·49	18·64	+ 3·85	1·45	Masulipatam.
6 1	2		1		11	9	1	S 71° W	S 74° W	7·4	7·7	−0·3	53	−26	88	+ 7	·925	+·075	7·4	−0·2	10	9·70	+0·30	3·82	5·40	− 1·58	17·51	17·03	+ 0·48	1·26	Cocanada.
3	2	1	1		21	3		S 46° W	S 84° W	9·0			66	−15	83	+ 4	·864	+·003	7·5	−0·3	16	8·40	+7·60	9·28	5·32	+ 3·96	26·98	16·15	+10·83	1·69	Waltair.
2	2		3	2	9	8	5	S 74° W		7·5			48		85		·917		6·5		14			10·66			26·93			2·78	(Vizagapatam) Calingapatam.
1 3			1	7	13	1	5	S 51° W	S 63° W	10·4	10·9	−0·5	56	− 2	88	+ 3	·928	+·003	5·9	−1·6	13	10·60	+2·40	9·87	7·96	+ 1·91	31·33	23·95	+ 7·38	3·27	Gopalpur.

stations the elevations of which exceed 3,200 feet.

† Uncorrected for scale error.

‡ Mean of 25 days.

§ Mean of 30 days.

Ta

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

Number of subdivisions.	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.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Bay Islands.																					
1	P. V. Fraser	8	29·663		29·590	29·900	21st	29·400	3rd	·500	82·9											
	Port Blair	58	29·763	−·026	29·751	29·343	21st	29·696	18th	·147	85·5	85·4	+0·1	77·1	−0·1	81·3	0	8·3	89·2	27th	73·0	1st & 7th
	Slipper Island	90	29·697		29·721	29·799	21st	29·621	7th	·178	81·9	84·4		78·1		81·2		6·3	87·6	27th	68·6	21st
	Kashmir.																					
14	Muzaffarabad	2,475	27·234		29·640	27·465	21st	26·974	12th	·491	79·3	84·7		77·7		81·2		7·0	90·1	8th	73·1	26th
	Srinagar	5,204	24·682	−·025	24·653	24·860	21st & 26th.	24·461	12th	·399	70·1	85·2	+1·3	66·1	+3·2	75·6	+2·3	19·1	92·1	20th	57·6	31st
	Gulmarg	*8,569*	21·773	−·017	21·746	21·952	21st	21·609	12th	·343	60·4	63·1	−0·3	52·1	+1·4	60·1	+0·5	16·0	74·7	1st & 22nd.	44·3	30th & 31st.
	Sonemarg	*8,764*	21·753		21·721	21·922	21st	21·589	12th	·333	56·5	71·5		56·9		61·2		20·6	79·4	20th	41·1	3rd
	Dras	*10,059*	20·714	−·014	20·682	20·875	20th & 21st.	20·567	13th	·308	58·8	77·2	−3·0	47·3	−1·2	62·3	−2·1	29·9	85·9	12th	39·0	30th
	Leh	11,503	19·668	+·004	19·633	19·823	20th	19·562	12th	·264	58·9	76·3	−1·1	50·9	+1·1	63·7	0	25·4	82·6	10th	44·0	31st
	Skardu	*7,505*	22·684	−·019	22·654	22·885	26th	22·469	13th	·416	70·1	89·1	+2·4	63·2	+2·3	76·2	+2·3	25·9	93·4	13th	54·1	30th
	Gilgit	4,890	24·849		24·822	25·083	26th	24·625	12th	·463	80·7	95·4	+2·2	72·5	+0·4	84·4	+1·3	23·9	108·2	13th	63·2	26th
	Baluchistan.																					
16	Quetta	5,502	24·463	−·016	24·423	24·635	21st	24·308	12th	·327	75·4	93·2	+2·7	60·9	−0·2	77·1	+1·3	32·3	98·1	13th & 14th.	47·5	31st
	Chaman	4,311	25·479	−·008	25·441	25·653	21st	25·314	12th	·339	83·4	97·5	−0·3	72·5	−0·1	85·0	−0·2	25·0	103·8	8th	62·2	30th & 31st.
	Kohat		26·663		26·621	26·804	27th & 30th.	26·537	14th	·267	86·3	103·4		75·4		89·4		28·0	111·0	7th	66·3	30th
	Hill Stations excluding Kashmir and Baluchistan.																					
	Chitral	*5,486*									76·8	92·3							103·7	19th		
	Para Chinar	6,000	24·318		24·285	24·518	21st	24·210	14th	·308	73·7	82·9		64·9		73·9		18·0	87·9	20th	58·0	30th
	Cherat	*4,256*	25·531	+·009	25·499	25·731	21st	25·307	12th	·424	71·3	80·1	−6·8	67·6	−2·6	73·8	−4·7	12·5	92·2	8th & 21st.	61·5	30th
	Murree	6,333	23·727	−·016	23·695	23·917	21st	23·543	12th	·374	64·1	71·2	−3·2	61·8	+0·8	66·5	−1·2	9·4	78·6	7th	57·2	26th
	Simla	7,232	23·010	+·008	22·972	23·191	21st	22·863	12th	·328	62·0	66·0	−1·1	59·4	−0·1	62·7	−0·6	6·6	69·3	6th	56·0	8th
	Sarain		23·043		23·005	23·234	21st	22·887	12th	·347	63·5	70·6		58·7		64·7		11·9	76·0	7th	55·3	14th
	Kalabagh		20·093		20·055	20·253	21st	19·968	12th	·235	52·1	56·5		48·8		52·7		7·7	61·6	7th	44·3	31st
	Chakrata §	7,022	23·212	+·033	23·172	23·341	21st	23·133	8th	·208	62·3	69·0	+0·3	59·9	+0·3	61·4	+0·3	9·1	72·3	5th & 29th.	56·7	29th & 30th.
	Muktesar	7,592	22·746	−·010	22·705	22·929	21st	22·603	12th	·326	60·7	68·1	−1·1	56·4	−1·6	62·2	−1·3	11·7	72·5	4 days	53·0	25th
	Darjiling	7,376	22·917	−·031	22·872	23·068	21st	22·784	14th	·284	61·2	67·3	+1·8	57·7	+0·5	62·5	+1·1	9·6	72·3	8th	53·7	24th & 25th.
	Shillong	4,920	24·999		24·951	25·162	21st	24·851	11th	·311	67·9	74·9		63·6		69·3		11·3	78·9	3rd & 25th.	59·7	2nd & 29th.
	Cherra Punji	4,309	25·464		25·415	25·653	28th	25·405	8th, 12th & 13th.	·253	67·2	71·6		65·4		69·0		5·2	78·7	24th & 26th.	64·1	9th, 24th & 30th.
	Maymyo	3,515	26·312	−·022	26·257	26·449	20th	26·232	7th	·217	69·3	76·5	0	66·5	+1·2	71·5	+0·6	10·0	82·0	20th	61·1	20th
	Pachmarhi	3,528	26·260	−·016	26·207	26·416	22nd	26·068	5th	·348	69·3	75·3	+0·6	67·2	+0·1	71·2	+0·3	8·1	81·0	1st, 22nd & 23rd.	65·1	19th
	Mount Abu	3,945	25·839	−·027	25·789	25·994	21st	25·719	4th	·275	67·3	71·7	−0·3	65·1	+0·9	68·4	+0·3	6·6	80·2	22nd	60·9	17th
	Mercara	3,781	26·156	−·025	26·089	26·228	11th	26·097	4th	·131	64·1	68·9	−0·8	62·2	+0·2	65·5	−0·3	6·7	75·5	23rd & 24th.	60·5	11th
	Ootacamund	*7,327*	22·990		22·926	23·037	11th & 15th.	22·931	4th	·106	55·8	62·0		52·1		57·1		9·9	67·5	23rd & 24th.	50·2	11th & 13th.
	Kodaikanal	7,638	22·753	−·041	22·638	22·802	10th	22·706	3rd	·096	56·1	61·3	−1·5	52·6	+0·2	57·2	−0·7	9·2	65·5	13th	51·0	2nd

§ Mean of 21 days except rainfall.

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

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

B—*continued.*

in India, etc., in August, 1910—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 August, 1910.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August, 1910.	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
																																Bay Islands.
			1	4	7	12	6	1	S 31° W					68		87		·980		7·9		8			5·37			19·22			2·02	P.V. Fraser
5				4	1	13	10	1	S 56° W	S 62° W	10·5	10·8	−0·3	59	−20	83	− 4	·887	− ·033	8·2	−0·2	19			13·23	14·06	− 0·78	51·13	65·48	−14·35	2·92	Port Blair.
			1	3	7	13	7		S 36° W		17·1			72		85		·921		8·7		13			6·86			27·09			1·04	Slipper Island.
																																Kashmir.
	1	1	1			3	7	18	N 59° W		0·2			74		79		·794		6·1		17			12·31			28·33			1·70	Muzaffarab
1	1			8	2	1		8	S 24° W	S 48° E	2·3	3·6	−1·3	7	−25	82	−4	·600	− ·025	5·4	+0·8	4	4·70	−0·70	1·44	1·94	− 0·50	5·64	9·30	−3·66	0·50	Srinagar.
8		3	6	2		1	1		E		2·5			25		85	+5	·440		6·0		8			7·22	4·32	+ 2·90	15·95†	12·421	+3·53	2·40	Gulmarg.
5		4	1	1					N 64° E		2·2			17		87		·403		6·0		9			2·77			10·60			0·53	Sonemarg.
2							5	4	N 70° W		6·7			27		70	+ 9	·347		6·1		2	1·40	+0·60	0·84	0·46	+ 0·38	4·07	5·59	−1·52	0·44	Dras.
8				1	3	1			S	N 85° W	3·1	1·8	+1·3	14	−46	59	0	·297	+ ·015	5·5	+1·3	2	1·70	+0·30	0·48	0·54	− 0·06	1·06	1·33	−0·27	0·21	Leh.
5	1		1	1	3				S 33° E		7·3			13		47	− 7	·331		5·1		2	1·10	+0·90	0·42	0·43	− 0·01	1·43	2·75	−1·32	0·21	Skardu.
9						2			S 45° W		0·8			3		51	+ 1	·513	+ ·019	3·2	−1·0	2	1·90	+0·20	0·78	0·34	+0·44	2·12	2·10	+0·02	0·52	Gilgit.
																																Baluchistan.
5				3	1	1		1	S 13° E	S 22° W	2·2	2·7	−0·5	10	+ 4	49	− 9	·433	−·046	1·6	+0·5	0	0·70	−0·70	0	0·62	− 0·62	0·55	2·19	−1·64	0	Quetta.
3					8	19	1		S 34° W	S 61° W	6·3	8·4	−2·1	82	+31	28	− 2	·318	−·051	1·7	+1·1	0	0	0	0	0	0	0·33	0·28	+0·05	0	Chaman.
3	1	10	10	5		2			N 81° E		9·3			62		40		·500		0		0			0			0·04			0	Robat.
																																Hill stations, excluding Kashmir and Baluchistan.
1		6						1	N 31° E		7·1			19		62		·570		1·3		1			0·68			3·30			0·60	Chitral.
1									(a)		2·8					75		·620		4·6		11	6·40	+4·60	3·27	2·57	+ 0·70	20·79	9·83	+10·96	0·60	Para China
3	2			2	6	2		1	S 7° W	S 31° E	7·4	8·1	−0·7	20	− 8	91	+18	·694	+ ·106	7·7	+3·8	12			20·69	3·21	+17·48	34·05	10·63	+24·02	6·50	Cherat.
9	2			7	2			1	S 45° E	N 46° W	3·1	5·3	−2·2	20	− 2	92	+10	·562	+ ·048	7·9	+3·1	17	15·60	+1·40	17·33	13·62	+3·76	37·54	31·96	+5·58	4·02	Murree.
																91	0	·501	−·005	9·1	+1·1	22	18·90	+3·10	22·41	17·67	+4·74	57·51	45·42	+12·09	2·90	Simla.
5		3	2			1			N 72° E		1·4			10		87		·510		8·5		23			15·57			31·23			1·81	Sarain.
7	4	1		3	2			4	N		5·9			10		94		·368		9·6		27			22·62			44·31			2·49	Kalabagh.
5	3				2			1	N 24° W	S 39° E	3·2‖	5·4	−2·2	10	+ 2	92	− 1	·520	−·011	8·0	+2·1	22	20·10	+1·90	21·11	19·18	+4·93	63·58	50·45	+13·13	3·82	Chakrata.
1		2	5	4	3		3		S 41° E		5·1			30		95	+ 1	·497		8·9		23			12·36	12·38	−0·02	43·52	32·37	+11·15	1·45	Muktesar.
0		2	1	4		2	2		S 34° E	N 83° E	0·5	3·7	−3·2	13	−27	95	− 1	·517	+ ·003	9·5	+0·5	22	24·13	−2·13	22·01	26·83	−4·82	86·81	92·88	−6·07	2·70	Darjiling.
9			1			1			S 23° E		3·2			2		87		·592		7·8		23	18·50	+4·50	12·28	12·70	−0·42	68·08	51·91	+16·17	1·50	Shillong.
2	3	4	7		8	1	6		S 47° E		1·2			13		97		·639		7·8		27	25·70	+1·30	84·20	71·79	+9·41	381·13	322·98	+58·15	15·76	Cherra Punji.
9				1	1	9	1		S 39° W		3·0			33		93	+ 4	·677		7·3		16	16·20	−0·20	8·79	9·67	−0·88	38·40	35·26	+3·14	1·86	Maymyo.
2					1	7	16	5	S 84° W	S 87° W	9·3	9·3	0	79	+ 3	95	+ 3	·678	+ ·027	8·1	−1·0	23	21·80	+1·20	22·07	20·68	+1·39	49·47	57·21	−7·74	3·14	Pachmarhi
1		2	1		2	18	3	3	S 51° W	S 59° W	11·5	11·2	+0·3	59	−19	98	+ 2	·644	+ ·035	9·5	+0·8	26	17·20	+8·80	25·94	20·21	+5·73	57·56	50·64	+6·92	6·21	Mount Abu
1						1	18	11	N 75° W	N 76° W	9·0	8·3	+0·7	89	− 1	100	+ 5	·586	+ ·009	9·8	+1·2	29	26·70	+2·30	29·66	26·36	+3·30	86·93	99·84	−12·91	3·62	Mercara.
2	2	1	1	1		5	15	4	N 86° W		6·8			62		93		·414		9·4		17	11·30	+5·70	6·31	4·70	+1·61	31·00	22·75	+8·25	0·81	Ootacamund
1	1			1	1	1	11	15	N 67° W		13·5*			76		88	+ 8	·398		7·0		21	11·30	+9·70	10·23	6·51	+3·72	36·0	20·08	+15·95	2·62	Kodaikanal

* Uncorrected for scale error.

‡ Normal rainfall since 1st June.

‖ Mean of 20 days.

† Rainfall since 29th May, 1910.

(a) Indeterminate.

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

Ta

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

Number of subdivision	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.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Extra India.																					
	Singapore (*a*)	10	29·907		29·838	29·971	30th	29·835	24th	·136	81·7	86·5		74·4		80·5		12·1	90·0	7th	72·0	16th & 17th.
	Penang (*a*)	20	29·888		29·833	29·971	14th	29·798	7th	·173	81·7	89·8		73·5		81·7		16·3	95·0	17th	70·0	3rd, 9th & 10th.
	Trincomalee	99	?	?	?						76·4	91·1	−1·0	74·8	−2·2	83·0	−1·6	16·3	95·0	13th & 15th.	70·0	26th
	Colombo	24	29·845	−·056	29·974	29·927	11th	29·757	19th	·170	78·0	85·9	+0·3	76·5	−1·0	81·2	−0·3	9·4	88·0	18th	73·0	5th
	Minicoy	7	29·903			29·977	11th	29·857	4th &	·120												
	Aminl Divi	*13*	29·870	−·021	29·811	29·951	11th	29·788	4th	·163	80·9	85·1	−0·1	75·9	−1·5	39·4	−0·8	9·2	88·5	14th	72·4	27th & 31st.
	Gyantse	13,120	17·029		16·990	17·166	21st	16·906	12th	·260	52·4	70·7		42·1		56·4		28·6	79·3	6th & 85h.	34·2	21st
	Pharijong	14,400									46·6	65·0‡		25·1‡		45·1‡		39·9	73·4	13th	24·2	29th
	Gangtok	5,660?	24·290§		24·245§	24·543	21st	24·224	6th	·319	67·2	75·0		62·2		68·6		12·8	82·3	23rd	58·5	25th
	Gartok (*c*)¶	14,240	17·507			17·675	5th	17·450	3rd	·225	48·3	62·5		41·2		51·9		21·3	67·9	8th	27·1	21st
	Kashgar (*c*)	4,255	25·402			25·570	19th, 20th & 29th	25·250	1st & 2nd.	·320	76·4	93·4	+5·2	67·3	+1·9	80·3	+3·5	26·1	101·1	12th	56·3	30th
	Kabul									Observations rejected.												
	Meshed	3,104	26·698		26·676	26·853	28th	26·499	10th	·354	74·8	90·2		50·0	−10·4	70·1		40·2	98·4	17th	41·8	29th & 30th.
	Jask	13	29·554	−·054	29·521	29·763	21st	29·360	13th	·408	85·4	93·3	−1·2	83·5	−0·5	88·4	−0·9	9·8	100·3	26th & 30th.	81·3	28th, 30th & 31st.
	Muscat	20	29·558	−·035	29·527	29·757	21st	29·392	13th	·365	85·1	92·3	+4·4	82·7	−1·6	87·5	+1·4	9·6	99·8	14th & 25th.	78·1	22nd & 23rd.
	Bahrein	18	29·510		29·510	29·722	23rd	29·374	13th	·348	92·7	97·4		87·2		92·3		10·2	100·3	8th	81·5	8th
	Bushire	14	29·521	−·023	29·496	29·698	28th	29·359	13th	·339	90·5	97·1	+0·1	85·6	+1·6	91·4	+0·9	11·5	101·3	14th & 20th.	79·0	7th
	Busrah	25	29·530		29·513	29·700		29·379	14th	·321	88·3	105·0		84·5		94·8		20·5	108·7	23rd	79·7	31st
	Kerman										70·5	94·3		56·8		75·6		37·5	100·7	8th	44·5	31st
	Ispahan (*b*)	*5,817*								Observations not received.												
	Tehran (*b*)	*4,002*	25·608			25·800	23rd, 28th & 29th.	25·400	5th, 6th & 10th, 14th	·400	75·8	97·2	+0·5	70·9	+0·2	84·1	+0·3	26·3	104·6	11th	63·0	29th & 30th.
	Baghdad	127	29·442	−·066	29·537	29·623	22nd	29·288		·335	86·6	111·3	+2·9	78·5	−0·2	94·9	+1·3	32·8	115·8	2nd	74·5	21st
	Beirut ‡‡	111			29·711						82·7	88·4		75·0		81·7		13.4	91·0	14th, 22nd & 24th.	71·1	20th.
	Aden	94	29·636	−·014	29·661	29·721	11th	29·547	13th	·174	85 3	92·2	+0·7	81·6	+2·0	86·9	+1·3	10·6	94·3	21st, 26th & 29th.	72·4	23rd
	Perim	201	29·536	−·014	29·658	29·610	31st	29·434	10th	·176	87·5	94·8	−1·2	84·0	+0·5	89·4	−0·3	10·8	101·0	11th	79·2	12th
	Zanzibar	72	30·069	−·019	30·068	30·143	11th	30·010	24th	·133	74·3	81·0	+0·2	72·5	−0·1	76·7	+0·1	8·5	83·9	30th	70·4	6th

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.

‡‡ 8½ hrs. observations

‡ Mean of 30 days.
§ " " 21 "
¶ Observations of 23 days.

ncluded.

dia, etc., in August, 1910—concluded.

Wind direction.								Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									
of winds from																												
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 amount of cloud 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, 1910.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August, 1910.	Heaviest rainfall during month.	Station.
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.
12	2	6				S 18° E		5·3*			53						6·6		12			7·74			27·71			2·28	Singapore
8	4			4		N 85° E		10·3*			46								14			13·10			34·43			2·80	Penang.
		29	2			S 43° W	S 45° W	8·6*	14·0	−5·4	99	+ 2	82	+ 4	·744	−·125P	4·8	+1·9	10			4·07	4·64	−0·57	11·92	10·58	+1·34	1·46	Trincomal
	2	8	18	2		S 73° W	S 61° W	6·4*	9·2	−2·8	86	− 2	87	+10	·834	−·012	8·7	+2·6	3			0·91	3·90	−2·99	16·58	28·08	−11·50	0·31	Colombo.
		4	12	15		N 72° W	N 79° W	10·9	14·9	−4·0	81	− 6					5·9	+0·7	16			11·51	6·49	+5·02	38·93	28·15	+10·78	2·53	Minicoy.
		9	2	18		N 69° W		17·2			71		81	− 2	·859	−·040	7·8	+1·1	15			11·95	5·04	+6·91	35·39	32·19	+3·20	3·21	Amini Div
5	2		1			S 45° E†		1·7			28		67		·263		3·2		8			1·89			7·75			0·33	Gyantse.
8	10	2	6	1		S 4° W‡		7·6†			50		82‡		·262‡		5·3		11			3·07			10·19			0·56	Pharijong.
1						S 45° E		0·7			3		91		·602		3·3		25			18·14			77·20			1·95	Gangtok.
2	1	3				S 11° W		7·8 ††			22						5·8		7			1·99			3·83			0·58	Gartok.
		1		1		W	N 48° W	0·9 **	4·3	−3·4	3	− 4	73	+20	·677	+·245	2·9	−1·9	0			0	1·10	−1·10	1·43	2·58	−1·15	0	Kashgar
																													Kabul.
								*Observations rejected.																					
1	1					N 79° E		1·7			16		36		·311		0·1	?	0			0	0·01	−0·01	1·32	0·99	+0·33	0	Meshed.
6	1			1		S 83° E	S 71° E	11·8	14·4	−2·6	72	− 4	76	+ 1	·919	−·102	1·3	−0·8	0			0	0	0	0	0·13	−0·13	0	Jask.
1				3		N 78° E	S 76° E	4·1	4·4	−0·3	46	−14	81	− 1	·975	−·027	5·1	+2·9	0			0	0	0	0	0·40	0·40	0	Muscat.
3	1		5	8		N 6° W		6·7			32		63		·965		0·9		0			0			0·06			0	Bahrein.
2			2	10		N 4° E	N 59° E	9·6‡	7·2	+2·4	49	+27	67	0	·958	−·031	1·3		0			0	0	0	0	0	0	0	Bushire.
	3	5	8	7		S 83° W		4·2			55		59		·783		0·1		0			0			0·59			0	Busrah.
2	2	3	3	4		N 36° E		4·5‡			29		36		·276		0·5						No rain gauge.						Kerman.
												Observations not received.																	Ispahan.
2	1	3				N 69° E	S 14° W	2·5	2·2	+0·3	26	+15	52	+20	·464	+·105	0·4	−0·4	0			0	0·05	−0·05	0·45	0·83	−0·38	0	Tehran
1				15		N 28° W	N 4° W	9·3	3·9	+5·4	61	0	31	−14	·393	−·221	0	−0·2	0			0	0·09	−0·09	0·20	0·33	−0·13	0	Baghdad.
		26				S 47° W					68		66		·739		1·2		0			0			0·50			0	Beirut.
13		7		2		S 50° E	S 12° W	9·1	10·7	−1·6	33	−21	78	+ 6	·940	+·102	4·5	+0·8	0			0·12	0·14	−0·02	0·12	0·37	−0·25	0·06	Aden.
								11·6	13·8	−2·2			68	+ 2	·886	−·003	5·6	+1·9	0			0·06	0·43	−0·37	0·13	0·83	−0·70	0·05	Perim.
4	12	11	1			S 15° W	S 1° W	6·7	6·9	−0·2	78	−8	83	− 2	·702	−·026	5·9	−0·3	4			1·82	1·69	+0·13	16·91	16·30	+0·61	1·27	Zanzibar.

* Uncorrected for scale error.

† Mean of 29 days.

‡ " " 22 "

** " " 21 "

Table C.—Abstract of observations taken at 8 hrs. at 39 fourth-class stations in India, etc., in August, 1910.

Abstract of observations taken at

Number of subdivision.	Station.	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.	Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant 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
	II.—Eastern Bengal and Assam.																							
4	Bishnath	79·7	90·0	...	74·6	...	82·3	...	15·4	95·9	24th	71·2	2nd	24·7	...	...	...	...	...	...	...	...	...	..
	Borjuli	80·5	90·4	...	75·8	...	83·1	...	14·6	95·0	4th, 8th & 24th.	72·4	24th	22·6	...	...	...	...	...	...	...	...	...	..
	Chandkhira	79·7	90·3	...	...	...	...	...	...	94·4	28th	...	...	...	...	...	...	...	...	...	...	...	...	..
	Doom Dooma	81·1	92·5	...	75·5	...	84·0	...	17·0	96·5	24th	73·2	21st & 25th.	23·3	...	...	...	...	...	...	...	...	...	..
	Dikom	79·7	90·3	...	76·4	...	83·3	...	13·9	97·0	2nd	73·0	7th	24·0	...	...	...	...	...	...	...	...	...	..
	Golaghat	81·4	82·2	...	...	...	...	...	...	86·5	28th	...	...	...	...	...	...	...	...	...	...	...	...	..
	Hailakandi	79·7	91·0	...	75·5	...	83·3	...	15·5	95·0	8th	73·0	24th	22·0	...	...	...	...	...	...	...	...	...	..
	Jorehat	81·5	89·9	...	76·4	...	83·1	...	13·5	94·1	24th	72·0	17th	22·1	...	...	...	...	...	...	...	...	...	..
	Messa	82·8	93·7	...	76·2	...	84·9	...	17·5	97·8	3rd, 8th & 24th.	73·3	1st	24·5	...	...	...	...	...	...	...	...	...	..
	Panerihat	76·2	88·0	...	74·8	...	81·4	...	13·2	93·6	8th	70·6	1st	23·0	...	...	...	...	...	...	...	...	...	..
	Srimangal	80·9	90·2	...	76·4	...	83·3	...	13·8	93·8	12th	74·6	27th	19·2	...	...	...	...	...	...	...	...	...	..
5	Brahmanbaria	83·0	88·8	...	78·1	...	83·5	...	10·7	92·8	23rd	75·9	18th & 26th.	16·9	...	...	...	...	...	...	...	...	...	..
	Dam Dim	81·4	92·4	...	75·1	...	83·7	...	17·3	96·4	24th	69·9	25th	26·5	...	...	...	...	...	...	...	...	...	..
	Goalundo	83·4	86·9	...	79·1	...	83·0	...	7·8	91·8	23rd	74·8	24th	17·0	...	...	...	...	...	...	...	...	...	..
	Kalchini	82·4	90·6	...	74·8	...	82·7	...	15·8	93·6	24th & 29th.	71·9	29th	21·7	...	...	...	...	...	...	...	...	...	..
	Nagrakata	80·1	89·2	...	74·9	...	82·1	...	14·3	93·1	29th	72·0	25th, 26th, 27th & 28th.	21·1	...	...	...	...	...	...	...	...	...	..
	Pabna	82·8	88·2	...	69·9	...	79·1	...	18·3	93·2	24th	65·4	31st	27·8	...	...	...	...	...	...	...	...	...	..
	XI.—Central Provinces.																							
24	Chhindwara	74·3	82·5	...	70·8	...	76·6	...	11·7	88·5	21st	65·5	19th	23·0	...	1	1	...	1	...	6	15	7	N 85
	XIV.—Madras.																							
33	Anantapur*	77·7	89·5	...	73·5	...	81·5	...	16·0	93·3	24th	69·6	24th	23·7	...	...	...	...	...	...	...	...	...	...
34	Guntur	81·9	92·0	...	77·5	...	84·7	...	14·5	97·6	17th	72·9	31st	24·7	...	...	...	...	...	...	...	...	...	...
	Bay Islands.																							
1	Car Nicobar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kashmir.																							
14	Jammu	80·1	88·9	...	77·4	...	83·1	...	11·5	94·9	7th	71·4	27th	23·5	...	10	10	3	...	4	3	1	...	N 33
	Kargil	71·2	88·6	...	63·3	...	76·0	...	25·3	95·8	18th	56·8	30th	39·0	...	12	2	1	2	...	...	...	14	N 72
	Hill Stations, exclusive of Kashmir.																							
	Panighatta	80·6	88·3	...	74·1	...	81·2	...	14·2	92·9	24th	68·1	24th	24·8	...	...	...	...	...	...	...	...	...	...
	Kurseong	68·4	73·8	...	65·7	...	69·7	...	8·1	76·3	2nd & 22nd.	61·1	24th	15·2	...	...	...	...	...	...	...	...	...	...

* Observations of 20 days.

39 fourth-class stations in India, etc., in August, 1910.

D VELOCITY.		WIND STEADINESS.		HYGROMETRY, 8 HRS.				CLOUD.		RAINFALL.										STATION.
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 1910.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August, 1910.	Heaviest rainfall during month.	
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	...	·929	...	...	...	21	...	...	18·79	...	...	63·98	...	...	3·95	Bishnath.
...	...	...	...	91	...	·948	...	...	...	19	...	...	17·46	...	...	64·89	...	...	2·95	Borjuli.
...	...	...	...	93	...	·938	...	...	...	26	...	...	15·35	...	...	81·21	...	...	2·00	Chandkhira.
...	...	...	...	86	...	·900	...	...	...	15	...	...	12·24	...	...	63·74	...	...	2·66	Doom Dooma.
...	...	...	...	92	...	·928	...	...	...	22	...	...	14·53	...	...	64·82	...	...	2·30	Dikom.
...	...	...	...	87	...	·933	...	...	...	16	...	...	14·73	...	...	55·86	...	...	2·51	Golaghat.
...	...	...	...	91	...	·917	...	...	...	20	...	...	13·85	...	...	83·23	...	...	1·80	Hailakandi.
...	...	...	...	87	...	·932	...	...	...	18	...	...	15·64	...	...	51·09	...	...	2·52	Jorehat.
...	...	...	...	85	...	·953	...	...	...	15	...	...	13·87	...	...	65·80	...	...	2·46	Messa.
...	...	...	...	96	...	·861	...	...	...	12	...	...	10·83	...	...	63·57	...	...	2·31	Panerihat.
...	...	...	...	88	...	·924	...	...	...	25	...	...	13·17	...	...	62·33	...	...	1·55	Srimangal.
...	...	...	...	83	...	·932	...	...	...	23	...	...	8·73	...	...	45·45	...	...	1·40	Brahmanbaria.
...	...	...	...	99	...	1·065	...	...	...	21	...	...	19·52	...	...	147·05	...	...	4·65	Dam Dim.
...	...	...	...	85	...	·972	...	...	...	13	...	...	7·80	...	...	45·22	...	...	1·40	Goalundo.
...	...	...	...	84	...	·946	...	...	...	21	...	...	19·78	...	...	133·92	...	...	4·30	Kalchini
...	...	...	...	88	...	·900	...	...	...	21	...	...	26·20	...	...	140·79	...	...	4·08	Nagrakata.
...	...	...	...	89	...	·999	...	...	...	15	...	...	4·72	...	...	40·34	...	...	0·78	Pabna.
																				XI.—Central Provinces.
...	...	74	...	86	...	·730	...	7·6	...	17	...	...	13·44	...	...	32·17	...	...	2·65	Chhindwara.
																				XIV.—Madras.
...	...	...	...	83	...	·787	...	5·7	...	7	...	...	4·60†	...	...	4·60†	...	...	1·55	Anantapur.
...	...	...	...	82	...	·889	...	7·1	...	11	...	...	4·63	...	...	19·19	...	...	1·79	Gun ur.
																				Bay Islands.
...	...	...	...	...	...	...	...	...	...	20	...	...	13·52	...	...	51·69	...	...	1·96	Car Nicobar.
																				Kashmir.
...	...	42	...	87	...	·889	...	8·1	...	16	...	...	20·33	...	...	37·87	...	...	4·30	Jammu.
...	...	23	...	42	...	·320	...	6·1	...	1	...	...	0·20	...	...	1·54	...	...	0·14	Kargil.
																				Hill Stations, exclusive of Kashmir.
...	...	...	...	84	...	·871	...	...	...	18	...	...	27·59	...	...	120·23	...	...	6·08	Panighatta.
...	...	...	...	91	...	·629	...	...	...	25	...	...	28·84	...	...	121·39	...	...	4·00	Kurseong.

† Total rainfall since 12th August, 1910.

Abstract of observations taken at

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.
															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
	Hill Stations, exclusive of Kashmir—*concld.*																							
	Gnatong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lachung										Rainfall	data	not rec	eived.										
	Ringim	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	76·9	..	51·4	...	64·1	...	25·5	84·9	20th	45·1	29th	39·8	24	..	...	...	...	...	1	5	1	W
	Kailang	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Drosh	78·1	95·8	...	72·8	...	84·3	...	23·0	105·2	13th & 18th	60·1	29th	45·1	...	...	11	...	5	...	10	...	4	E
	Pishin	...	95·1		65·6	...	80·4	...	29·5	100·4	8th	53·5	31st	46·9	...	...	...	...	...	...	...	...	...	...
	Kalat	73·7	90·0	−0·5	57·6	+9·5	73·8	+4·5	32·4	97·0	5th	45·1	31st	51·9	...	6	7	...	...	15	...	3	...	S 27° E
	Extra India.																							
	Ahwaz	...	112·4	...	87·4	...	99·9	...	25·0	116·6	15th	82·2	7th	34·4	...	...	...	...	...	...	...	...	...	...
	Birjand										Observatio	ns not	received.											
	Chumbi	54·6	68·4¶	...	50·1	...	59·3	...	18·3	83·7	11th	43·9	26th	39·8	...	...	...	...	...	...	...	...	...	...
	Kirmanshah	83·3	98·0	...	61·3	...	79·6	...	36·7	106·0	13th	55·0	30th	51·0	...	...	...	...	...	...	...	...	...	...
	Koweit	...	103·9	...	84·9	...	94·4	...	19·0	114·4	23rd	77·7	31st	36·7	4	1	...	...	3	...	...	6	17	N 56° W
	Maidan										Observatio	ns not	received.											
	Mahommerah	...	104·2	...	82·8	...	93·5	...	21·4	110·0	2nd	78·0	5th	32·0	...	7	...	...	4	4	...	...	6	N 14° W
	Pemba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

¶ Uncorrected for scale error up to 10th August.

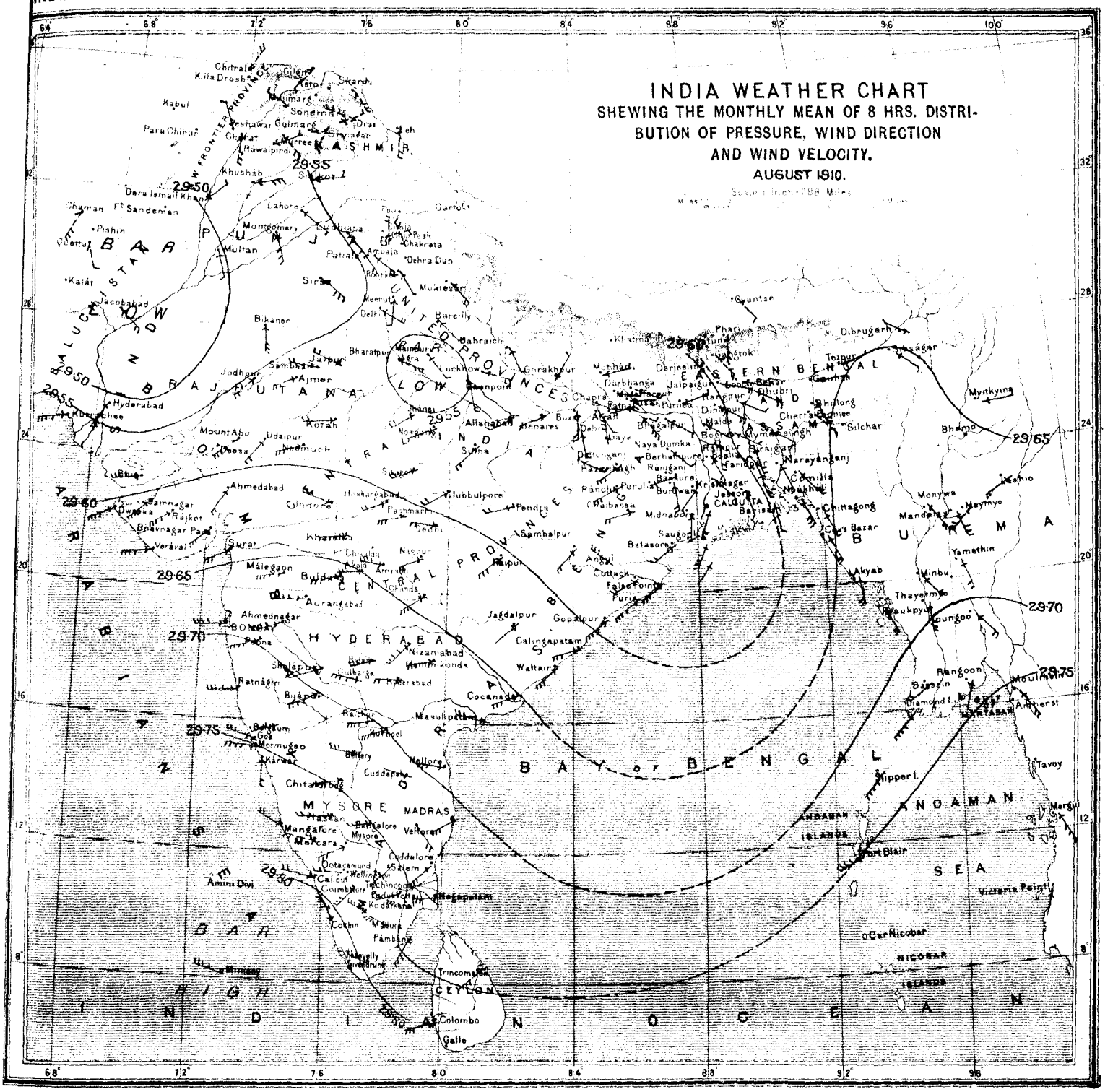
-concluded.

9 fourth-class stations in India, etc., in August, 1910—concluded.

ND VELOCITY.		WIND STEADINESS.		HYGROMETRY, 8 HRS.				CLOUD.		RAINFALL.									Heaviest rainfall during month.	STATION.
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, 1910.	Normal rainfall for period, 1st May to 31st August.	Departure from normal of period, 1st May to 31st August, 1910.		
28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																				Hill Stations, exclusive of Kashmir—*concld.*
...	...	...	...	...	...	...	...	...	...	28	...	...	27·01	...	...	109·71	...	...	5·94	Gnatong.
Rainfall data not received.																				Lachung.
...	...	...	...	...	...	...	...	...	...	22	...	...	19·52	...	...	48·78*	...	...	2·06	Ringim.
...	...	20	...	...	...	...	...	5·5	...	2	...	...	0·96	0·45	+0·51	2·05	2·57	—0·52	0·43	Poo.
...	...	...	...	...	...	...	...	...	...	3	...	...	1·24	1·43	—0·19	4·88	6·65	—1·77	0·40	Kailang.
...	...	3	...	73	...	·695	...	1·5	...	5	...	...	1·68	...	...	5·04	...	...	0·85	Drosh.†
...	...	...	...	...	...	...	...	1·5	...	0	...	...	0	0·08	—0·08	0·53	0·30	+0·23	0	Pishin.
...	...	16	...	48	...	·399	...	...	...	2	0·50	+1·50	0·44	0·31	+0·13	0·62	1·65	—1·03	0·22	Kalat.
																				Extra India.
...	...	...	...	...	...	...	...	0·4	...	0	...	...	0	...	...	0·13	...	...	0	Ahwaz.
Observations not received.																				Birjand.
...	...	...	...	85	...	·365	...	...	...	16	...	...	4·07	...	...	17·44	...	...	0·56	Chumbi.
...	...	...	...	26	...	·301	...	...	...	0	...	...	0	...	...	2·19	...	...	0	Kirmanshah.
...	...	58	...	...	...	...	...	0·5	...	0	...	...	0	...	...	0·45	...	...	0	Koweit.
Observations not received.																				Maidan.
...	...	13	...	...	...	...	...	...	...	0	...	...	0	...	...	0·38	...	...	0	Mahommerah.§‡
...	...	...	...	...	...	...	...	...	...	4	...	...	1·29	...	...	24·01	...	...	0·46	Pemba.
...	...	...	...	...	...	...	...	...	...	3	...	...	0·93	...	...	17·42	...	...	0·70	Prison Island.

† Wind variable 1.
§ " " 9.

‡ Wind observation less 1.
* The rainfall for July not included.

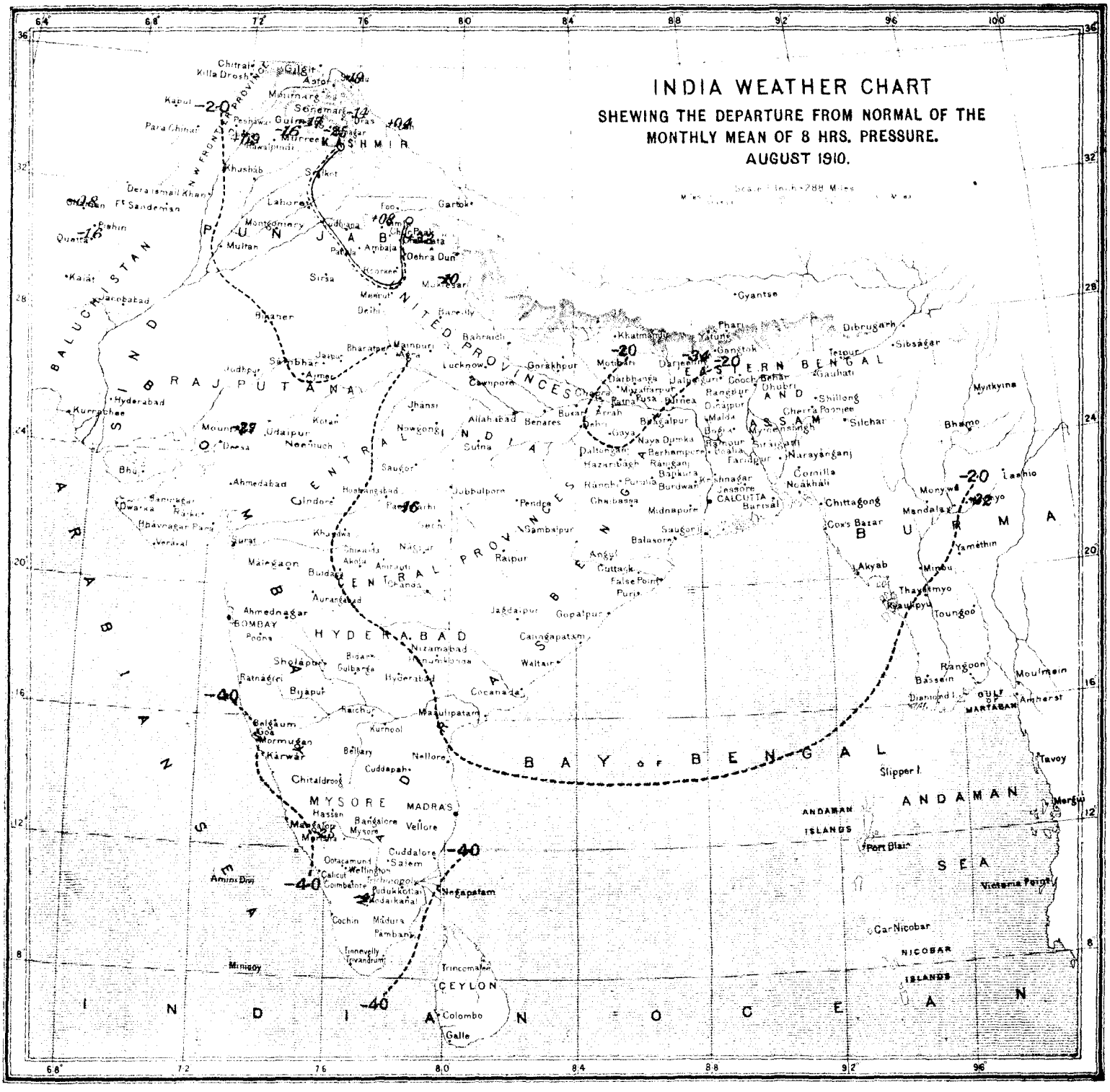


Reg. No. 4101 E. 10—2.—4,000. LITHO. SYS. B.M.

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	,,	,,	,,	,,	,,	



Reg. No. 4101 E., 10—Z.—5,000

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.

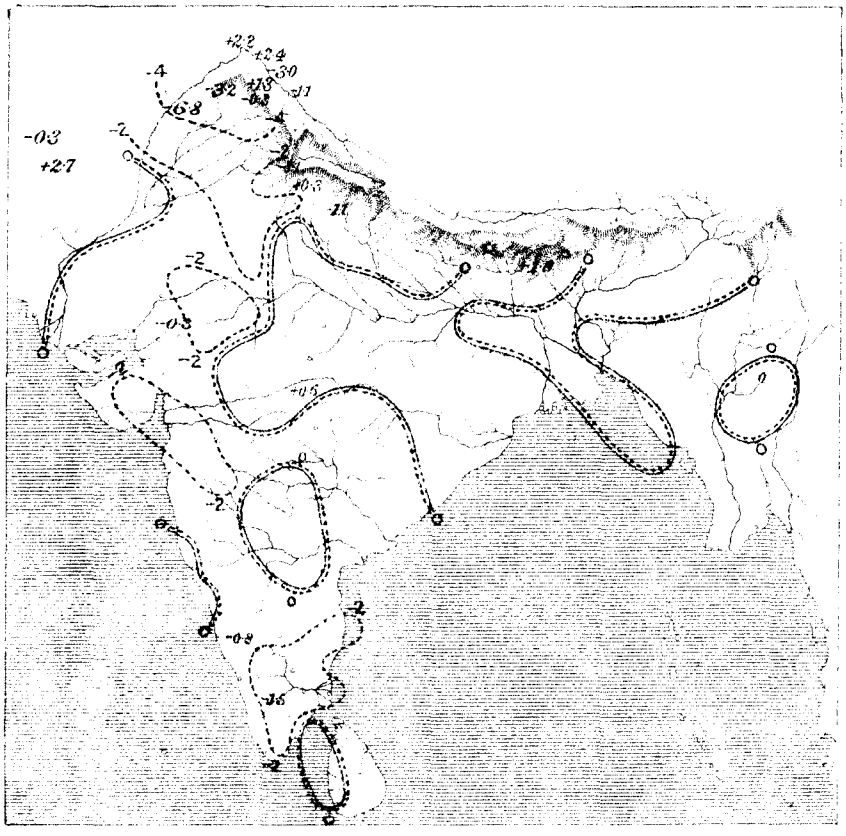


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

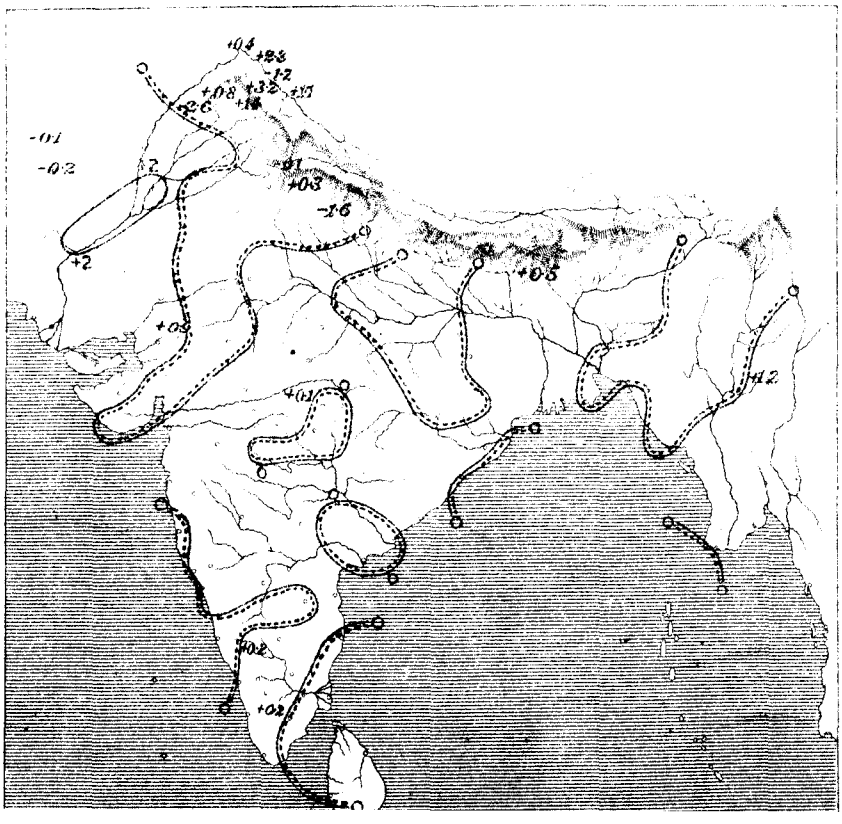


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MEAN TEMPERATURE.

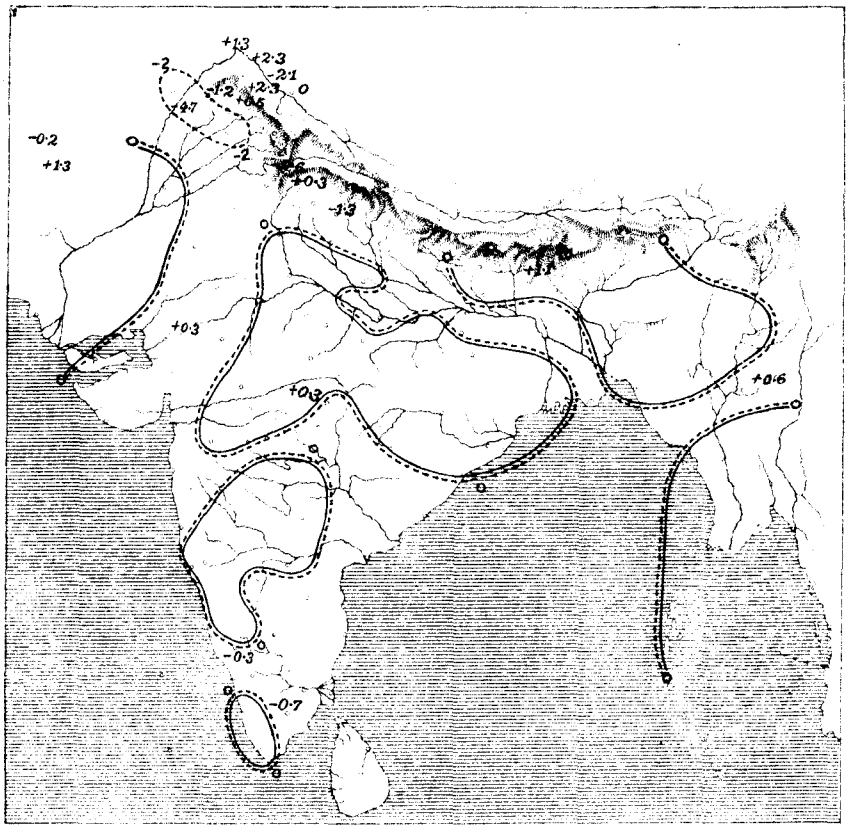


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.

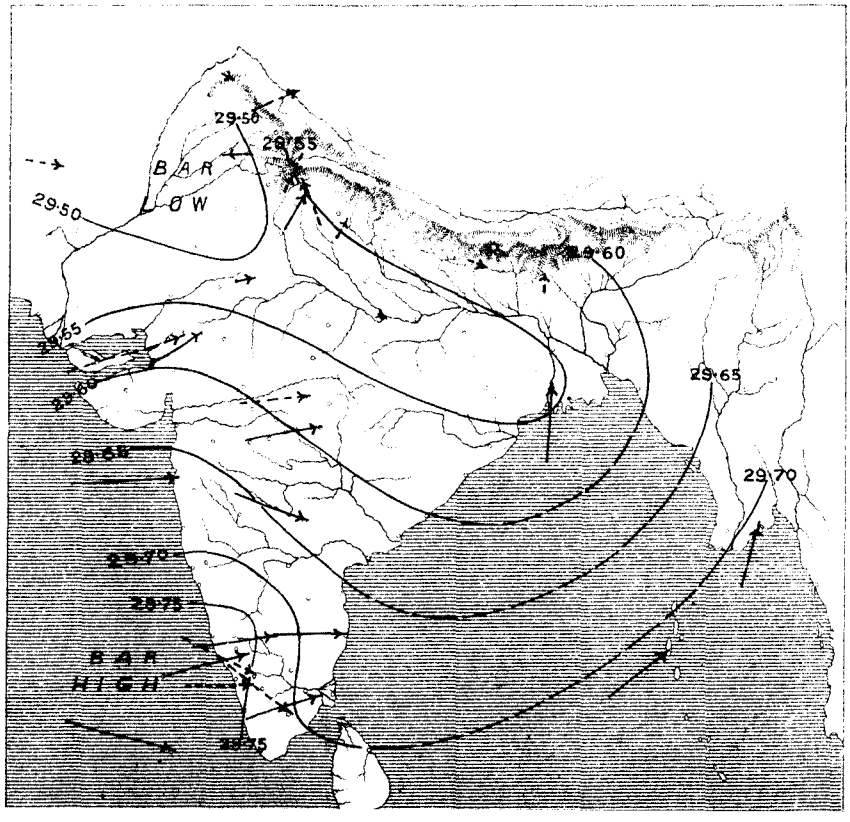


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF ABSOLUTE HUMIDITY AT 8 HRS.

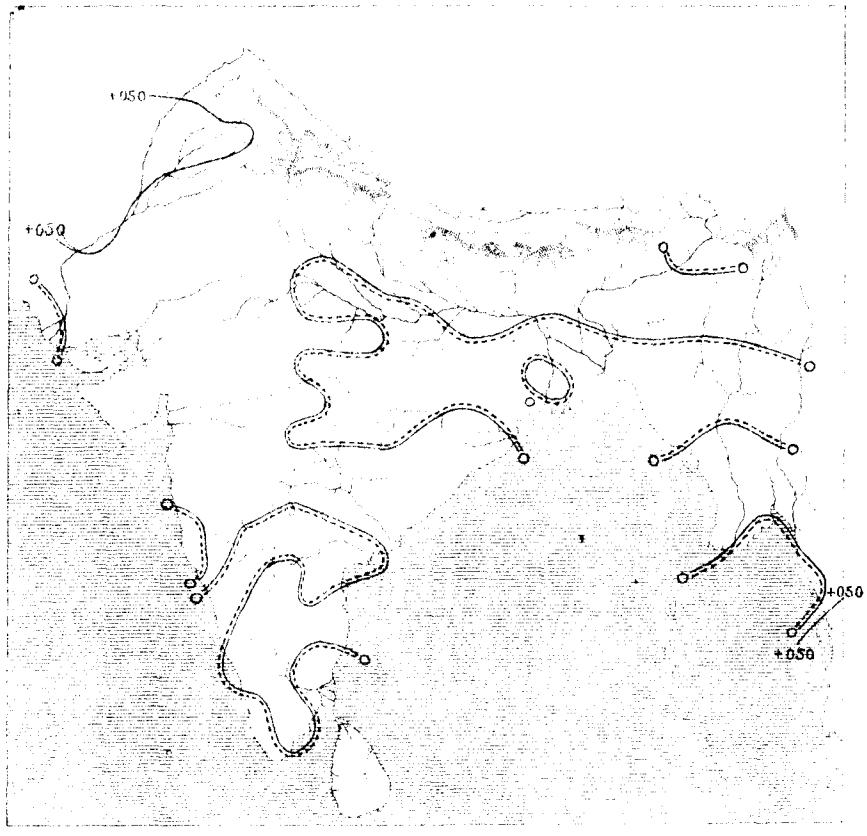


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

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

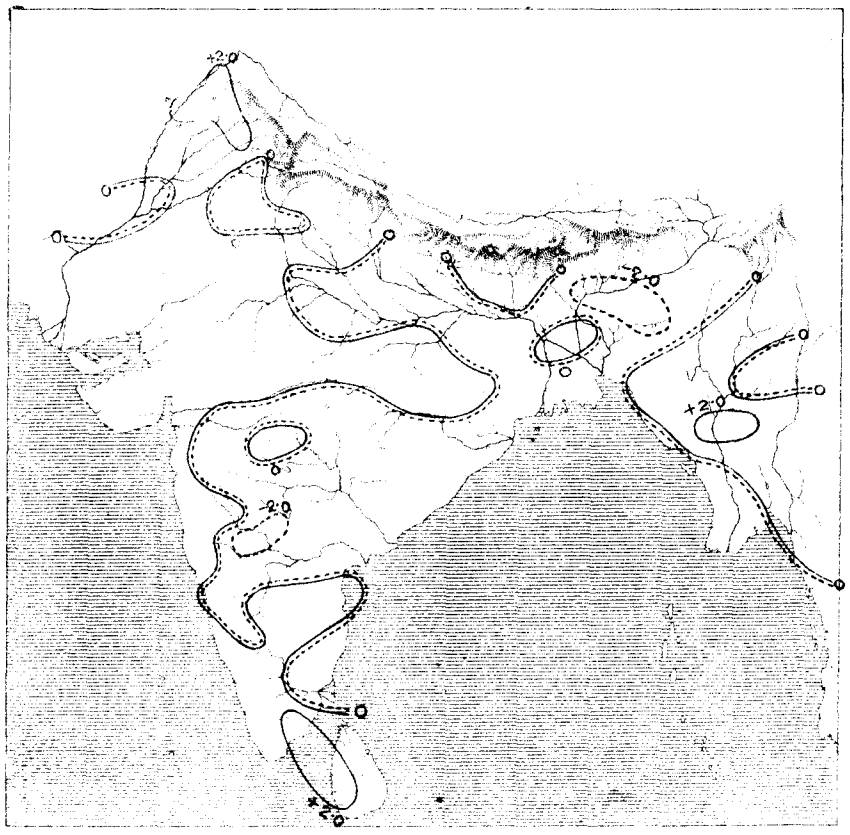
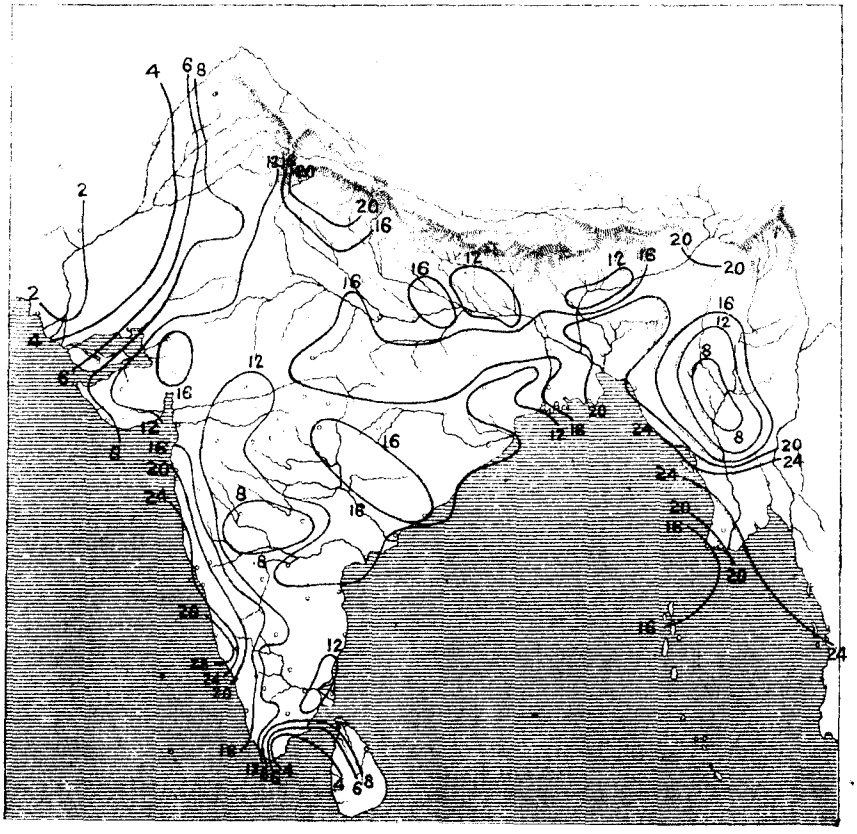
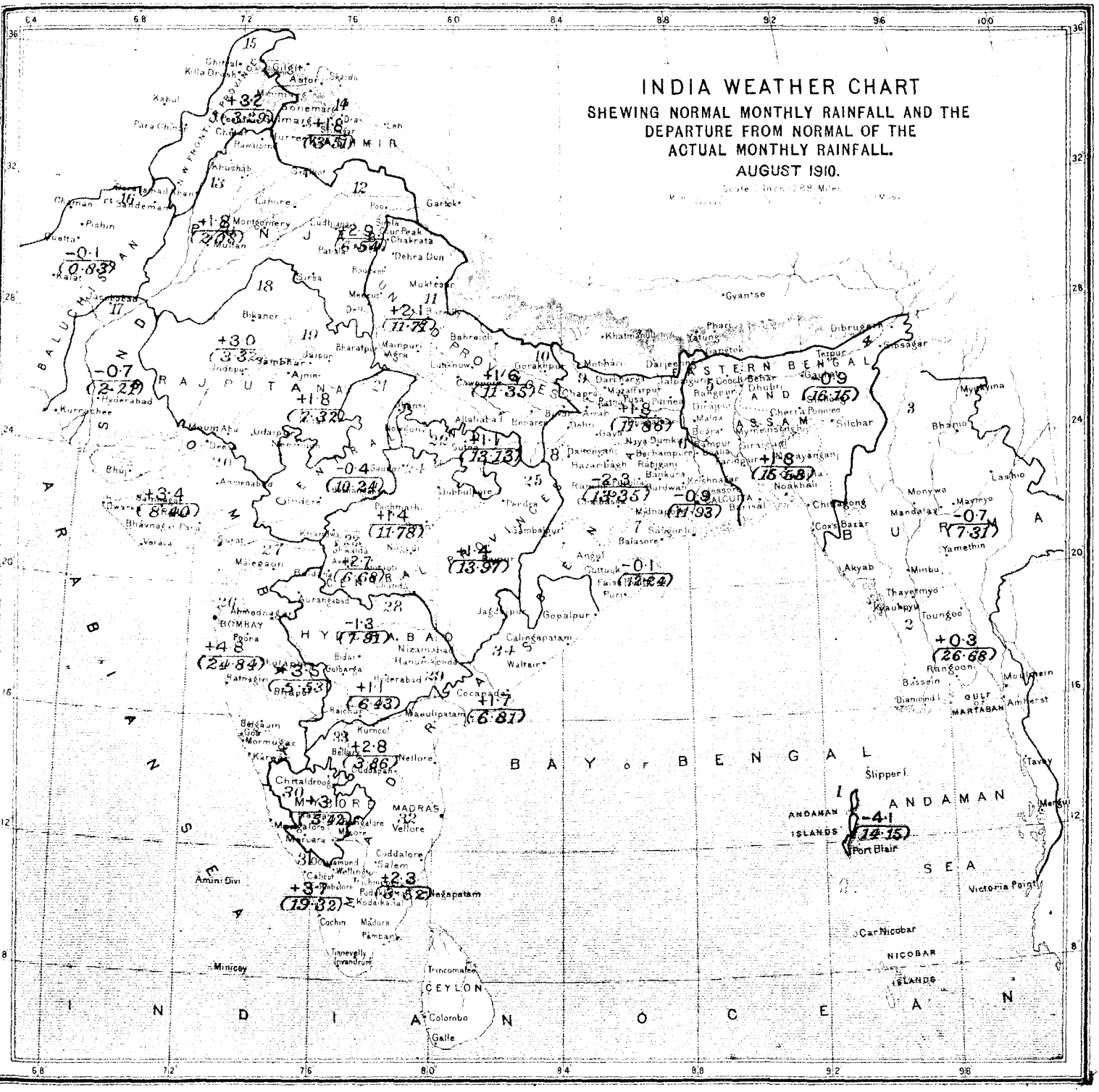


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)





Reg. No. 4101 E., 10—3.—5,000

LITHO. BY S.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

THE GOVERNMENT OF INDIA.

CALCUTTA, SEPTEMBER, 1910.

INTRODUCTION.

THIS review of the weather in India during the month of September, 1910, is based on observations taken daily at 8 hrs. at 238 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 34 stations. In the rainfall summary have been utilized 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.

The brief notes on solar, seismic and magnetic disturbances are supplied by the chief observatories in the Indian area.

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.

2. The total quantity of rain provided by the monsoon during the month was in excess of the normal in all the larger provinces with the exception of Eastern Bengal and Assam, the North-West Frontier Province, Sind, Bombay, Mysore and Madras. The excess was more than 35 per cent. over the region comprising the United Provinces, Rajputana, Central India, the Central Provinces and Hyderabad, while the defect was most pronounced in Eastern Bengal and Assam which recorded 2·4″ less than its normal supply.

As in 1908 and 1909 the final withdrawal of the monsoon from the northwest took place about the 11th, an event which ordinarily occurs in the middle of the month.

The hygrometric conditions agreed closely with the normal; cloud was in excess in central and south Burma the United Provinces, Central India and the Central Provinces, but markedly in defect in Assam, the Punjab and Kashmir.

Deviations from normal of mean temperature were small in almost all parts of the country.

On the mean of the month the barometer in the plains stood ·061″ below the normal height. The vertical gradient was very strong in the south of the Peninsula, but somewhat less marked than usual in northwestern India.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar observations.*—The weather was better than in August and it was possible to examine the sun for spots and faculæ on all days except the 4th. There were two days on which prominences could not be observed and on five other days the record was incomplete.

Sunspots.—During the first part of the month the spot activity was very similar to that of August but from the 19th onwards there was a distinct revival. Fourteen new groups were observed during the month as against seven in August. The average daily number also rose from 1·0 in August to 2·3 in September. The average life of a spot was 4·6 days. On only two days was the sun free from spots at the time of observation, as against nine days in the previous month. On the 26th and 27th as many as 6 spot groups were visible and 5 of these formed a long band in the southern hemisphere stretching from the central meridian to the east limb. One large, scattered group of spots, No. 1911, which came round the east limb on the 27th, may be considered as the third appearance of group

No. 1891 observed early in August. During its two previous apparitions it was of round and regular outline but now had developed into an extensive, broken group covering about 18° of longitude and 10° of latitude. The spectrum of the region indicated disturbances on several days, as evidenced by the frequent reversals of the hydrogen lines and the appearance of dark D_3. Eruptive prominences were observed on the limb of the sun when the group was close to it.

Southern spots still preponderated to a very large extent and the distribution in latitude was as follows:—

TABLE 1.

	0°—10°.	11°—20°.	Mean latitude.	Extreme latitudes.
North . . .	2	—	6·°0	2° and 10°
South . . .	9	3	8·°7	3° and 15°

Prominences.—Thirty-six large, 1 metallic, and 4 eruptive prominences were observed during the month. The tallest was a slender streak 210″ high which was photographed on the 30th at latitude +32°. For several days from the 17th to the 22nd large prominences were continuously seen on the west limb of the sun, in the northern hemisphere, between latitudes 40° and 55°.

Magnetic disturbances.—There was one "great" disturbance commencing suddenly at 13h. 15m. on the 29th and continuing till 19h. 45m. on the 30th. There were some very small spots on both sides of the central meridian on the former date, and the large disturbed group No. 1911 was midway between the east limb and the central meridian.

Seismological records.

TABLE 2.

No.	Date.	P. T. Commencement G. M. T.	L. W. Commencement G. M. T.	Maxima. G. M. T.	End.	Maximum amplitude.	Duration.	REMARKS.
	1910.	H. M.	H. M.	H. M.	H. M.	mm.	H. M.	
47	Sept. 1	0 52·6	1 11·0	1 16·6	2 12	3·5=1·7	1 19	
48	,, 1	14 33·1	14 48·5	14 52·6	15 26	0·8=0·4	0 53	
49	,, 6	20 26·4	21 21·6	21 30·0	22 08	1·0=0·5	1 42	
50	,, 7	6 35·2	7 33·1	8 05·6	9 38	0·6=0·3	3 03	
51	,, 9	1 25·9	2 05·5	2 18·4	4 13	0·6=0·3	2 47	Many small maxima.
52	,, 9	9 36·2	...	...	11 25	...	1 49	Widening of line.
53	,, 10	12 38·6	...	12 50·0	13 26	...	0 47	Widening of line.
54	,, 12	16 42·7	...	...	16 52	...	0 09	Widening of line.
55	,, 14	14 09·0	14 50·3	14 52·3	15 09	0·4=0·2	1 00	
56	,, 16	23 16·8	...	...	23 58	...	0 41	Widening of line.

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

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of September, 1910, the traces showed 6 calm days, and 22 days of small and 2 days of moderate disturbance.

The days of the month selected as "quiet" for the purposes of the Magnetic Survey of India are the 8th, 12th, 17th, 18th and 19th.

The mean 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 . . .	0° 57′ 17″
Horizontal force	0·36841 C.G.S. unit.
Vertical force	0·16124 ,, ,,
Dip (calculated)	23° 38′·3
Dip (observed)	23° 37′·9
Horizontal force range . .	0·00029 C.G.S. unit.
Horizontal force summed range .	0·00178 ,, ,,
Declination range . . .	5′·0
Declination summed range .	20′·1

(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 during the month.

TABLE 3.

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

C = calm, S = small, M = moderate, G = great, V. G. = very great.

Seismic disturbances.

TABLE 4.

Date.	Commencement.	Maximum.	End.	Maximum amplitude	Duration.
	H. M.	H. M.	H. M.	mm.	H. M.
1st Sept. 1910.	0 59·6	1 17·4	1 39·0	2·0	0 39·4
,, ,, .	14 18·9	14 54·7	15 23·3	0·6	1 4·4
6th ,, .	21 16·4	21 27·2	21 56·9	0·4	0 40·5
7th ,, .	7 58·0	8 10·2	8 25·6	0·3	0 27·6
9th ,, .	1 30·5	2 13·6	2 43·2	1·2	1 12·7
16th ,, .	23 27·6	23 36·0	23 56·6	0·2	0 29·0

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.*

TABLE 5.

Date. 1910.	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.	
Sept. 1st	0 52·0	1 1·1	1 11·8	1 55·1	1 3·1	2·75	
„ 1st	14 33·8	14 35·8	14 44·4	15 51·0	1 17·2	4·25	
„ 6th	9 18·3	...	9 20·8	9 24·9	0 6·6	1·25	
„ 6th	21 25·8	21 33·4	21 37·4	22 18·6	0 52·8	1·75	
„ 9th	?*	1 56·9	1 58·9	4 20·2	?*	3·00	* Begins with morning air tremor.
„ 14th	14 12·5	14 22·7	14 29·3	14 41·5	0 29·0	0·75	
„ 16th	22 43·9	23 19·5	23 28·1	?†	?†	2·50	† Ends with morning air tremor.
„ 24th	16 44·3	...	16 58·0	17 7·7	0 23·4	0·50	

Sensibility 1 mm. = 0″·38 of tilt.

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing seismographs.*

TABLE 6.

Date.		Beginning of 1st P. T.	Beginning of 2nd P. T.	Beginning of L. W.	Time of maximum amplitude.	End approximately.	Duration.	Maximum displacement of style.	REMARKS.
		H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
1st	A	0 52·7	0 57·8	1 4·5	1 10·1	2 15	1 22	1·9	
„	B	0 52·6	0 58·4	1 4·7	1 7·2	1 32	0 39	3·0	
„	A	14 28·5	14 34·1	14 43·2	14 46·5	15 51	1 22	1·0	
„	B	14 29·9	14 34·4	14 42·7	14 43·7	14 56	0 26	0·3	
6th	A	...	...	...	...	...	...	...	Tremors from 20 h. 12 m. to 22 h. 30 m.
7th	A	...	...	...	...	...	...	...	Tremors from 6 h. 21 m. to 11 h. 42 m.
9th	A	1 34·4	1 44·9	1 53·2	1 54·0	?	?	4·0	
„	B	1 34·2	1 44·4	1 53·3	2 0·3	2 39	1 5	1·7	
„	A	7 16·6	7 17·3	7 18·4	7 18·8	7 53	0 36	0·2	
„	B	7 16·4	7 17·3	7 18·5	7 18·9	7 24·4	0 8·0	Small.*	
12th	A	...	...	...	...	...	...	...	Tremors from 16 h. 29 m. to 17 h. 4 m.
16th and 17th	A	23 16·2	23 22·1	23 27·6	23 37·7	0 10	0 54	0·3	
22nd	B	19 10·4	?	19 13·4	19 13·7	19 20·4	0 10·0	Small.*	(A. under repair.)
26th	A	15 42·8	?	?	15 43·8	15 44·1	0 1·3	Very Small.*	Local shock.

All times are given in G. M. T.
A = E—W component.
B = N—S component.
Magnification of each instrument was 15.
* Displacements less than 0·2 mm. are reported as "small."

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

TABLE 7.

Place at which felt.	Date.	G. M. T. of earthquake.		Duration.	Intensity.	No. of shocks.	REMARKS.
		H.	M.	Sec.			
Chitral . . .	7th	6	15	19	3	1	
„ . . .	8th	18	0	37	3	2	
Jorhat . . .	26th	10	15	1	3	1	
Pachbadra . .	„	15	20	10	4	1	
Jodhpur . . .	„	15	36	62	2	2	
Mount Abu . .	„	15	46	25	3	1	
Udaipur . . .	„	15	55	60	...	...	

For scale of intensities reference may be made to the Monthly Weather Review for January, 1909.

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	1·43
Minimum	1·35
Mean	1·40
Number of days of observation . . .	5

J. H. FIELD,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. No information has been received.

Weather in the Indian monsoon region.

8. Pressure was appreciably low at Mauritius, but further north in the subequatorial region the pressure conditions were very nearly normal. The air movement differed but little from the average except at Zanzibar where the wind contained an undue westerly element in its direction.

Rainfall was very scanty at Zanzibar and Seychelles which received only 36 and 52 per cent. of their respective normal amounts.

The general conditions in the Indian Ocean thus favoured the prevalence of a fairly vigorous monsoon over the land area of India.

TABLE 8.

—	Mauritius.*	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	—·028	+·007	—·009
Actual mean wind direction	S 72° E	S 5° W	S 43° E
Normal mean wind direction	S 71° E	S 6° E	S 40° E
Actual mean wind velocity (miles per diem).	237	151	275
Normal mean wind velocity (miles per diem).	263	134	283
Rainfall departure from normal.	—0·27	—1·20	—2·50

* Approximate data derived from weekly telegrams.

Depressions and cyclonic storms.

9. Four disturbances in all were recorded during the month; all of them were of an unusual character and only the second and the last of the series had important effect on the weather.

The first disturbance appeared over the head of the Bay on the 3rd as a diffused low pressure area and remained practically unchanged in character and position during the next two days. It then deepened slightly and moving very slowly disappeared over Chota Nagpur and the adjacent districts to the east on the 8th.

The second apparently formed over Bundelkhand and the adjoining districts on the 8th, and travelling north westwards broke up in the western Himalayas during the 10th. Although feeble barometrically it produced heavy rain in parts of the United Provinces and of the east Punjab, while its disappearance marked the termination of the rains in the northwest.

The third was generated over Baghelkhand and the neighbouring districts on the 15th. It was even less concentrated than its predecessors and filled up *in situ* on the 18th.

The fourth of the series was developed on the 29th over Gujarat and thence extended northwards, finally disappearing on the 2nd of October. Its greatest barometric depth was only about a quarter of inch, but it occasioned a remarkably heavy burst of rain over the west of the United Provinces and the adjacent districts.

Pressure.

10. Barometric pressure was lower than usual in September, the geographical mean for the whole Indian land region being as much as ·061″ below its normal value. The defect was common to the whole region and fairly uniformly distributed.

TABLE 9.

DIVISION.	Departure from normal of mean 8 hrs. pressure.
	″
Burma	—·067
Eastern Bengal and Assam	—·066
Bengal	—·066
United Provinces	—·061
Punjab	—·049
North-West Frontier Province	—·059
Sind	—·051
Rajputana	—·059
Bombay	—·059
Central India	—·062
Central Provinces	—·064
Hyderabad	—·073
Mysore	—·053
Madras	—·057

As temperature was either normal or in defect almost everywhere it is evident that the low density of the atmosphere was not a temperature effect.

In the strata at and above the level of the observing hill stations in northwest India the rarefaction did not occur to the same extent as in the lower atmosphere; in other words the vertical gradient there was weaker than usual. The reverse was the case in southern India.

TABLE 10.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference. B—A.
	″		″	″
Quetta	—·031	Jacobabad	—·054	—·023
Leh	—·018	Lahore	—·052	—·034
Murree	—·039	Peshawar	—·066	—·027
Simla	—·030	Ludhiana	—·049	—·019
Chakrata	—·016	Roorkee	—·045	—·029
Darjeeling	—·073	Dhubri	—·069	+·004
Mount Abu	—·053	Deesa	—·054	—·001
Pachmarhi	—·065	Khandwa	—·056	+·009
Kodaikanal	—·071	Madura	—·028	+·043

Temperature.

11. Day temperature was rather low in the region comprising Berar, the Bombay Deccan, Hyderabad, Mysore and the Madras Deccan, but in almost all other places in the plains the temperature conditions were practically normal.

In the mountainous region bordering upper India' Baluchistan experienced appreciably lower night temperatures than usual, while at several stations in Kashmir maximum temperature was from 3° to 4½° above the normal.

TABLE 11.

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	83·5	75·1	79·3	8·4	17·6	—2·2	—1·2	—1·0
2. Lower Burma	84·8	75·4	80·1	9·4	15·5	—0·9	0	—0·9
3. Upper Burma	90·1	75·4	82·7	14·7	23·5	—0·2	+0·3	—0·5
4. Assam	88·7	77·1	82·9	11·6	22·5	+0·5	+0·8	—0·3
5. Eastern Bengal	88·7	78·3	83·5	10·4	18·4	+1·1	+0·8	+0·3
6. Bengal	89·8	78·5	84·2	11·4	17·9	+0·7	+0·1	+0·6
7. Orissa	88·4	77·8	83·1	10·6	18·9	—0·6	0	—0·6
8. Chota Nagpur	87·8	74·9	81·3	12·9	18·9	—0·1	+0·7	—0·8
9. Bihar	89·8	78·6	84·2	11·2	18·6	—0·2	+0·4	—0·6
10. United Provinces, East	90·8	77·5	84·2	13·2	20·3	—0·7	+0·7	—1·4
11. Do. do., West	89·5	75·8	82·6	13·7	22·4	—1·3	+1·2	—2·5
12. Punjab, East and North	94·5	75·0	84·7	19·5	29·7	—0·7	+1·1	—1·8
13. Do., Southwest	101·4	77·7	89·5	23·7	32·9	+0·9	+1·2	—0·3
14. Kashmir	73·7	46·8	60·3	26·9	41·3	+2·5	+1·3	+1·2
15. North-West Frontier Province	96·9	73·8	85·3	23·1	32·5	—1·4	+1·3	—2·7
16. Baluchistan	92·0	57·4	74·7	34·6	48·5	+0·5	—4·9	+5·4
17. Sind	94·4	75·9	85·2	18·5	29·8	—1·0	0	—1·0
18. Rajputana, West	96·3	76·5	86·5	19·7	28·6	—0·8	—1·1	+0·3
19. Do., East	90·5	74·9	82·7	15·6	23·9	—0·9	+0·6	—1·5
20. Gujarat	90·0	75·2	82·6	14·9	23·3	+0·3	+0·2	+0·1
21. Central India, West	85·1	71·1	78·1	14·0	22·1	—1·5	+0·7	—2·2
22. Do., East	88·5	76·6	82·5	11·9	19·1	—0·7	+1·8	—2·5
23. Berar	83·9	71·3	77·6	12·6	20·2	—3·1	+0·1	—3·2
24. Central Provinces, West	85·6	73·1	79·4	12·5	20·1	—1·9	+0·6	—2·5
25. Do., East	85·5	73·3	79·4	12·2	18·3	—2·1	—0·1	—2·0
26. Konkan	81·8	74·4	78·1	7·4	12·5	—1·7	—0·7	—1·0
27. Bombay Deccan	82·3	68·8	75·5	13·5	22·3	—2·8	+0·1	—2·9
28. Hyderabad, North	82·9	70·3	76·6	12·6	20·7	—3·0	—0·3	—2·7
29. Do., South	84·7	72·1	78·4	12·5	21·7	—2·9	0	—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.	Daily range.
	°	°	°	°	°	°	°	°
30. Mysore	79·5	65·3	72·4	14·1	21·2	—2·9	—0·5	—2·4
31. Malabar	82·5	73·2	77·8	9·3	14·2	—1·5	—0·7	—0·8
32. Madras, Southeast	91·7	75·5	83·6	16·1	22·0	—1·0	0	—1·0
33. Do. Deccan	87·5	73·2	80·3	14·3	23·5	—3·3	—0·7	—2·6
34. Do. Coast, North	88·8	77·9	83·3	10·9	19·3	—1·5	—0·1	—1·4

TABLE 12.

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

Division.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Sind	—1·0	0	—0·5
Rajputana	—0·9	+0·1	—0·5
Bombay	—1·3	—0·1	—0·7
Central India	—1·1	+1·2	0
Central Provinces	—2·2	+0·3	—0·9
Hyderabad	—2·9	—0·1	—1·5
Mysore	—2·9	—0·5	—1·7
Madras	—1·5	—0·3	—0·9

Winds.

12. (*a*) Winds were feebler than usual in Eastern Bengal and Assam, Bengal, the North-West Frontier Province and Central India, and above their normal strength in Mysore.

(*b*) The direction of air circulation was more easterly or less southerly than usual in deltaic Bengal and abnormally northerly in Orissa. Elsewhere the deviations from the normal type were local.

(*c*) The degree of steadiness was markedly low in Eastern Bengal and Assam and in parts of Burma.

TABLE 13.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	+0·2	—9
Eastern Bengal and Assam	—1·0	—17
Bengal	—1·1	—3
United Provinces	—0·5	+2
Punjab	—0·4	—2
North-West Frontier Province	—1·1	—3
Sind	—2·0	—2
Rajputana	+0·5	+6
Bombay	—0·8	0
Central India	—1·2	+2
Central Provinces	+0·4	+5
Hyderabad	—1·2	—3
Mysore	—2·7	+11
Madras	—0·8	+3

Humidity and cloud.

13. The distribution of humidity, both absolute and relative, differed to no great extent from that proper to the month of September.

The proportion of cloud was decidedly high in south and central Burma, the United Provinces, Central India and the Central Provinces, while the skies were unusually clear in Kashmir, the Punjab and Assam.

TABLE 14.

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	·881	—·004	7·9	+1·1
Eastern Bengal and Assam	89	—2	·951	+·005		—1·3
Bengal	87	+1	·943	+·016	5·7	+0·2
United Provinces	85	+5	·910	+·071	5·1	+1·0
Punjab	71	+1	·772	+·018	1·3	—0·6
North-West Frontier Province.	69	+4	·735	+·053	0·7	—0·1
Sind	76	+3	·798	+·015	2·2	—0·2
Rajputana	72	+2	·737	+·008	3·9	+0·5
Bombay	83	+1	·778	—·015	6·5	+0·6
Central India	87	+6	·823	+·041	6·5	+1·4
Central Provinces	87	+4	·786	+·008	7·6	+2·0
Hyderabad	83	+4	·714	—·027	7·6	+0·6
Mysore	85	+1	·621	—·007	8·3	+0·4
Madras	79	+1	·796	—·018	6·7	+0·4

Rainfall.

14. Both branches of the monsoon current were on the whole more active than usual in September, and as a result the month's total precipitation in the plains of India was 16 per cent. above the normal. The activity of the Bay current was however displayed chiefly on the southeastern portion of its field, and that of the Arabian Sea current in the central parts of the country. As regards the aggregate quantity of rainfall received September 1910 contrasted very favourably with the corresponding month of 1909 in which a defect of 5 per cent. occurred. The local distribution of the month's rainfall was on the whole satisfactory. The normal measurements were exceeded in the Bay Islands, Burma, Orissa, Bihar, Chota Nagpur, the United Provinces, the Punjab East and North, Rajputana East, Central India, the Central Provinces, Bombay Deccan, Hyderabad, the Konkan, Malabar, Madras Deccan and Madras Coast, North, the excess being on the whole most marked in the Bay Islands, Lower Burma, the United Provinces West, Rajputana East, Central India West, the Central Provinces, Hyderabad North and the Madras Deccan where it ranged between 3″ and 8″. The defect was on the other hand greatest in Gujarat which obtained only 1·7″ in place of the usual 5·6″. Little or no rain fell during the month in Baluchistan, Sind and the Punjab Southwest, which under ordinary conditions obtain fourteen to eighty cents.

As in the previous two years the final retreat of the monsoon from the northwest occurred about the 11th, which is within a few days of the normal date.

TABLE 15.

Sub-division.	Number of rainy days.		Rainfall			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
1. Bay Islands	25·0	20·4	21·97	15·76	+6·21	+39
2. Lower Burma	21·6	18·7	22·15	17·27	+4·88	+28
3. Upper do.	10·9	10·1	8·57	7·40	+1·17	+16

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
4. Assam	11·7	13·6	9·93	12·40	−2·47	− 20
5. Eastern Bengal	13·2	13·0	10·65	12·91	−2·26	− 18
6. Bengal	11·4	11·6	8·57	9·42	−0·85	− 9
7. Orissa	14·4	11·9	10·42	9·79	+0·63	+ 6
8. Chota Nagpur	13·0	10·4	9·69	8·25	+1·44	+ 17
9. Bihar	11·8	9·4	9·82	9·41	+0·41	+ 4
10. United Provinces, East	10·3	7·3	8·60	6·79	+1·81	+ 27
11. Do., West	9·3	5·9	8·93	5·86	+3·07	+ 52
12. Punjab, East and North	2·6	3·2	3·46	3·10	+0·36	+ 12
13. Do., Southwest	0	1·1	0·02	0·80	−0·78	− 97
14. Kashmir	1·4	2·7	0·68	1·54	−0·86	− 56
15. North-West Frontier Province	1·1	1·8	0·32	1·18	−0·86	− 73
16. Baluchistan	0	0·3	0	0·14	−0·14	−100
17. Sind	0·1	0·7	0·01	0·47	−0·46	− 98
18. Rajputana, West	0·9	2·3	0·41	2·08	−1·67	− 80
19. Do., East	5·9	4·9	7·54	3·96	+3·58	+ 90
20. Gujarat	3·1	6·3	1·70	5·60	−3·90	− 70
21. Central India, West	10·6	7·5	10·19	5·75	+4·44	+ 77
22. Do., East	10·1	8·1	9·70	6·97	+2·73	+ 39
23. Berar	13·3	7·9	9·71	5·79	+3·92	+ 68
24. Central Provinces, West	14·6	9·5	11·03	7·96	+3·07	+ 39
25. Do., East	13·7	10·3	11·32	8·40	+2·92	+ 35
26. Konkan	19·0	16·0	14·18	13·50	+0·68	+ 5
27. Bombay Deccan	10·8	8·6	6·91	5·94	+0·97	+ 16
28. Hyderabad, North	15·9	10·5	15·93	8·24	+7·69	+93
29. Do., South	13·3	10·3	7·66	6·80	+0·86	+13
30. Mysore	9·2	8·0	4·16	5·20	−1·04	− 20
31. Malabar	20·5	15·2	12·48	10·91	+1·57	+ 14
32. Madras, Southeast	3·6	6·4	2·03	4·73	−2·70	− 57
33. Do. Deccan	11·7	7·6	8·65	5·33	+3·32	+ 62
34. Do. Coast, North	11·1	9·4	7·88	6·86	+1·02	+ 15

TABLE 16.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	14·78	11·92	+2·86	+ 24
Eastern Bengal and Assam	10·29	12·65	—2·36	— 19
Bengal	9·51	9·32	+0·19	+ 2
United Provinces	8·75	6·36	+2·39	+ 38
Punjab	2·76	2·63	+0·13	+ 5
North-West Frontier Province	0·32	1·18	—0·86	— 73
Sind	0·01	0·47	—0·46	— 98
Rajputana	5·37	3·45	+1·92	+ 56
Bombay	6·55	7·21	—0·66	— 9
Central India	10·02	6·16	+3·86	+ 63
Central Provinces	10·56	7·17	+3·39	+ 47
Hyderabad	11·42	7·45	+3·97	+ 53
Mysore	4·16	5·20	—1·04	— 20
Madras	5·59	6·01	—0·42	— 7
Mean of India	8·12	6·99	+1·13	+ 16

Snowfall.

I and II.—AFGHANISTAN AND THE NORTH-WEST FRONTIER PROVINCE.

15. No information is available respecting these areas.

III.—KASHMIR.

Snow is reported to have fallen on the summits of the Nakthula and Chhaskorla (near Kargil) on the 10th and 27th, and on the higher oranges and passes near Skardu, Dras and Gulmarg on the 26th. The largest quantity received was about six inches on the Zojila. Some snowfall occurred also on the higher mountains near Sonemarg. At the close of the month the depth of the unmelted residue on the Zojila and other mountains near Dras was 2 to 5 inches, while with one exception all the ranges and passes near Kargil were quite bare.

IV.—PUNJAB.

Kilba (Simla Hills).—There were snowstorms on the hills near Kilba on the 4th, 10th, and 11th. The snowline came down to 9,500 feet and at that level the total measured about 2 inches in depth.

All the passes remained open.

V.—UNITED PROVINCES.

Frequent falls occurred in the Almora hills for which alone information is available. The total fall amounted to 10½ feet on the Nuwe pass, 5½ feet in Byans, 5 feet on the Untadhura and Ralamdhura and 2½ feet on the Binkaru pass. The snowline descended to a distance of about a mile from the perpetual snows.

The statement below gives the reported and normal depths of snow accumulations on the well-known peaks and passes.

TABLE 17.

Name of pass or peak.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Nuwe pass	28 feet	20 feet
Untadhura	8 "	9 "
Ralamdhura	8 "	6 "
Binkaru pass	13 "	12½ "
Lipulekh "	9 "	4½ "
Lampia "	9 "	5 "

SUMMARY.

16. According to the available information several falls of snow occurred in the Almora hills, and a few falls in Kashmir and the Simla Hills. The total quantity received in the first named area was somewhat greater than usual and the accumulations there at the end of the month were on the whole of more than the average thickness. The snowfall in Kashmir and the Simla Hills was light; the level to which it descended in the latter locality was however rather low for the time of year.

HEM RAJ.

TABLE A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 34 stations in India, etc., in September, 1910.

Ta

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

Number of subdivision.	Station.	Elevation of barometer 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 sea-level 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, we 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	18	29·786	29·682	·104	29·737	—·074	29·633	85·1	76·5	8·6	89·7	74·7	15·0	81·9	82·0	79·1	0	75·2	78·0	77·4
	III.—Bengal.																				
6	Calcutta	21	·680	·569	·111	·626	—·066	·592	89·1	78·3	10·8	93·3	74·6	18·7	85·2	85·0	83·4	+ 0·3	76·8	80·3	80·3
	IV.—United Provinces of Agra and Oudh.																				
10	Allahabad	309	·370	·252	·118	·313	—·067	·573	91·3	77·6	13·7	95·0	75·0	20·0	86·3	87·2	83·3	+ 0·3	76·3	80·3	79·6
11	Dehra Dun	2,233	27·456	27·405	·091	27·445	—·063	·615	84·3	70·9	13·4	90·3	66·5	23·8	78·7	80·0	76·5	+ 0·4	69·2	74·1	75·0
	V.—Punjab.																				
12	Lahore	702	28·973	28·873	·100	28·915	—·057	·566	99·6	75·8	23·8	104·6	69·3	35·3	91·0	97·8	86·7	+ 1·9	71·6	76·8	77·2
	VIII.—Rajputana.																				
19	Jaipur	1,431	·297	·189	·108	·240	—·064	·604	92·7	74·6	18·1	98·2	70·9	27·3	85·6	90·3	82·1	— 0·3	71·6	75·3	76·0
	Udaipur	1,925	27·829	27·744†	·085	27·785		·636†	87·8†	72·3	15·5	92·7	69·5	23·2	83·3	84·8†	79·3†		69·5	74·0	74·6
	IX.—Bombay.																				
26	Bombay	37	29·780	29·687	·093	29·731	—·060	·708	83·8	76·7	7·1	87·1	73·8	13·3	80·1	81·1	79·1	— 0·3	74·6	76·9	76·6
	XI.—Central Provinces.																				
24	Nagpur	1,017	28·694	28·581	·113	28·641	—·057	·613	86·8	73·7	13·1	94·3	71·0	23·3	81·1	81·8	79·1	— 1·3	71·4	75·7	75·9
	XII.—Hyderabad.																				
29	Hyderabad	1,690	·065	27·957	·108	·018	—·067	·645	84·5	71·6	12·9	90·6	69·0	21·6	78·4	80·7	76·7	— 0·7	69·4	72·4	73·1
	XIII.—Mysore.																				
30	Bangalore	3,021	26·868	26·767	·101	26·825	—·049	·738	79·0	64·9	14·1	82·3	62·5	19·8	73·5	75·8	70·2	— 1·6	64·2	68·2	69·4
	Mysore	2,518	27·368	27·265	·103	27·325	—·046	·755	81·9	65·9	16·0	85·2	64·2	21·0	77·1	77·2	72·1	— 1·6	64·8	69·7	70·5
	XIV.—Madras.																				
32	Pudukkottai	318	29·507	29·376	·131	29·441		·687	91·9	75·4	16·5	95·3	70·9	24·4	85·5	88·4	83·6		70·3	74·2	75·5
	Madras	22	·771	·648	·123	·719	—·058	·672	91·9	77·1	14·8	95·1	71·7	23·4	85·8	88·5	83·4	— 0·5	74·3	77·9	79·1
	Bay Islands.																				
1	Port Blair	58	·773	·681	·092	·729	—·061	·717	82·9	75·3	7·6	85·6	72·6	13·0	80·4	80·5	78·0	— 1·7	73·2	76·9	76·7
	Kashmir.																				
14	Srinagar	5,204	24·798	24·692	·106	24·744	—·059	24·715	83·1	55·4	27·7	89·2	46·4	42·8	70·5	81·0	67·0	+ 3·0	52·2	65·8	74·6
	Leh	11,503	19·713	19·603	·110	19·660	—·023	19·622	70·6	42·5	28·1	77·1	35·7	41·4	60·9	67·9	54·4	+ 0·7	37·7	47·2	50·6
	Baluchistan.																				
16	Quetta	5,502	24·578	24·495	·083	24·529	—·030	24·488	87·3	43·8	43·5	92·7	39·1	53·6	77·2	84·6	65·2	— 1·9	41·7	52·7	55·5

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

† Mean of 29 days.

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

A.

ations in India, etc., in September, 1910.

Vapour tension, in inches of mercury.					Humidity.					Cloud.				Wind direction.											Wind steadiness.		Wind velocity.		Rainfall.		Station.
														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
																									%	%					I.—Burma.
54	·902	·873	·891	—·019	94	83	81	89	— 3	8·4	8·3	8·3	+0·1	21			1	9	15	11	2	1	S 5° W	S 24° W	47	51	31	84	17·40	3·13	Rangoon
																															III.—Bengal.
92	·965	·968	·951	—·001	93	80	81	86	0	7·2	7·9	7·5	—0·4	3	1	4	13	16	7	10	1	5	S 41° E	S 9° W	40	46	77*	98	12·95	4·86	Calcutta
																															IV.—United Provinces of Agra and Oudh.
1	·947	·913	·934	+·153	94	76	71	84	+ 3	7·7	8·0	7·9	+2·4	9	3	12	13	1	2	2	11	7	N 23° E	N 15° W	21	13	73	142	9·35	2·92	Allahabad
4	·783	·807	·781	+·069	92	81	79	89	+ 7	5·7	7·8	6·7	+1·9	17	1	3	1	4	12	4	10	8	S 55° W	N 76° W	24	20	21*	24	12·31	3·85	Dehra Dun
																															V.—Punjab.
3	·731	·658	·716	—·002	81	50	37	59	— 2	0·3	1·2	0·7	—1·2	6	3	3	2	8	4	8	13	13	S 87° W	N 46° E	30	59	48	50	0	0	Lahore
																															VIII.—Rajputana
	·749	·719	·754	+·082	86	62	52	72	+ 3	4·4	6·2	5·3	+0·8		9	9	5	2			9	26	N 24° W	N 42° W	60	43	105*	101	1·91	0·63	Jaipur
	·716	·731†	·723		86	64	62†	74		4·9	5·9	5·4		11	2	2	6	1	1	10	19	7	N 1° W		38		62†		1·29	0·87	Udaipur‡
																															IX.—Bombay.
	·880	·866	·854	—·008	90	86	82	87	+ 1	7·8	7·9	7·9	+1·0		5	1	2	10	4	4	27	7	S 83° W	N 84° W	42	52	210*	259	15·25	4·76	Bombay
																															XI.—Central Provinces.
	·820	·823	·814	+·025	89	77	76	85	+ 6	6·7	7·9	7·3	0	7	4	14	3	6	4	5	9	8	N 8° W	N 52° W	13	36	94	127	10·53	3·06	Nagpur
																															XII.—Hyderabad.
	·717	·714	·723	—·032	89	74	69	80	— 1	7·2	7·7	7·5	+0·9	18							40	2	N 88° W	N 75° W	68	53	104	134	5·61	1·94	Hyderabad.
																															XIII.—Mysore.
	·626	·644	·633	+·010	96	76	73	85	+ 5	8·2	8·3	8·3								12	42	6	S 85° W	S 84° W	92	83	229	168	6·20	1·54	Bangalore
	·635	·661	·644	+·014	94	68	71	81	+ 4	8·7	9·1	8·9	+0·7							29	28	3	S 70° W	S 89° W	90	68	286	240	2·96	1·42	Mysore
																															XIV.—Madras.
	·695	·711	·698		79	57	54	63		6·4	7·6	7·0		2	1	1		3	7	19	16	11	S 69° W		62		202		7·85	2·01	Pudukkottai
	·852	·870	·856	+·008	87	69	65	76	— 1	5·7	7·0	6·3	0				3	2		6	31	18	N 81° W	S 35° W	73	53	133*	144	3·81	1·44	Madras
																															Bay Islands.
	·876	·869	·851	—·054	90	85	83	88	— 1	9·5	9·5	9·5	+1·7	2				1	2	24	29	2	S 68° W	S 52° W	84	73	334	228	24·66	2·87	Port Blair
																															Kashmir.
	·591	·791	·551	+·053	81	77	74	77	— 3	0·7	2·6	1·7	—1·6	20	1	4		10	5	2		18	N 54° W	N 33° W	8	17	60	79	0·20	0·09	Srinagar
	·207	·219	·207	+·032	68	40	34	50	+ 6	1·9	2·1	2·0	—2·3		3	3	6	7	14	11	11	5	S 27° W	S 66° W	33	42	70	46	0·84	0·37	Leh
																															Baluchistan.
	·140	·136	·175	—·077	85	15	10	39	— 1	0·1	0·4	0·3	—0·2	27	3	2				1	4	23	N 44° W	N 60° W	47	40	33	53	0	0	Quetta

* Uncorrected for scale error.

plateau stations, the elevations of which exceed 3,100 feet.

‡ Wind observations les 1.

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

Number of subdivision.	Station.	Elevation of barometer cistern above sea-level, in feet.	Pressure. Mean of 10 hrs.	Pressure. Mean of 16 hrs.	Pressure. Mean daily range.	Pressure. Mean of daily mean pressures.	Pressure. Departure from normal.	Pressure. Mean reduced to sea-level and gravity, 45° lat.	Temperature of air. Mean maximum.	Temperature of air. Mean minimum.	Temperature of air. Mean daily range.	Temperature of air. Highest maximum.	Temperature of air. Lowest minimum.	Temperature of air. Absolute range.	Temperature of air. Mean 10 hrs.	Temperature of air. Mean 16 hrs.	Temperature of air. Mean of daily means.	Temperature of air. Departure from normal.	Temperature, we Mean minimum.	Temperature, we Mean 10 hrs.	Temperature, we 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 . . .	7,232	23·079	23·029	·050	23·046	—·034	23·008	65·6	57·5	8·1	69·2	55·2	14·0	62·1	63·1	61·1	+0·2	55·5	58·8	60·3
	Sarain . .		·116	·048	·068	·075		·037	68·3	54·3	14·0	74·4	48·3	26·1	64·2	64·6	60·9			58·9	59·9
	Kalabagh . .		20·147	20·097	·050	20·115		20·077	54·9	46·0	8·9	61·4	41·3	20·1	52·1	52·1	50·1			49·5	49·9
	Chakrata . .	7,022	23·237	23·212	·025	23·219	—·021	23·179	69·7	57·8	11·9	75·3	52·7	23·6	64·8	64·0	63·4	+0·9	56·7	62·4	62·5
	Muktesar . .	7,592	22·811	22·739	·072	22·767		22·725	66·7	55·2	11·5	72·0	52·2	19·8	62·5	63·0	60·5		53·7	60·1	60·9
	Katmandu . .	4,388	25·540	25·439	·101	25·486	—·037†	25·441	82·4	67·2	15·2	87·2	62·2	25·0	76·6	75·3	74·4	+1·2†	65·6	69·9	71·5
	Darjiling . .	7,376	22·971	22·886	·085	22·926	—·078	22·880	66·9	57·2	9·7	73·6	54·2	19·4	63·6	63·5	61·7	+2·3	56·9	61·5	61·5
	Pachmarhi . .	3,528	26·302	26·223	·079	26·263	—·075	26·209	75·6	66·7	8·9	80·0	63·4	16·6	71·0	72·6	70·8	—0·6	65·2	69·1	69·7
	Mount Abu .	3,945	25·945	25·878	·067	25·911	—·057	25·861	75·5	64·2	11·3	82·6	60·8	21·8	71·2	73·1	69·4	—0·2	61·5	66·4	67·1
	Chikalda . .	3,642	26·195	26·096	·099	26·145	—·085	26·089	73·1	64·9	8·2	80·7	62·6	18·1	68·7	71·0	68·6	—1·1	64·6	67·9	69·3
	Ootacamund .	*7,327*	23·004	22·933	·071	22·966		22·901	62·2	51·1	11·1	67·6	48·3	19·3	58·2	57·9	56·2		49·8	54·7	54·9
	Kodaikanal . .	7,688	22·769	·702	·067	·736		·670	62·0	51·6	10·4	65·6	48·7	16·9	59·6	57·9	56·8		48·9	55·3	55·6
	Dodabetta . .	8,539?	21·994	21·929	·065	21·959		21·896	57·1	46·8	10·3	63·2	41·8	21·4	47·8	53·0	51·5		44·9?	50·7	51·4
	Extra India.																				
	Minicoy . .	7	29·931	29·880	·051	29·911															
	Zanzibar . .	72	30·083	·970	·113	30·033	+·007	30·032	82·9	74·3	8·6	85·1	71·8	13·3	78·1	81·7	77·9	+0·9	67·5	72·6	71·1
	Diego Garcia .			Observations not received.																	
	Seychelles . .	15	30·010	29·916	·094	29·971	—·009†	29·910	80·8	75·7	5·1	82·1	72·2	9·9	78·8	79·7	77·0	—0·7†	69·6	73·1	73·6
	Mauritius . .	181								Observations not received.											

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 normal.

A—*concluded.*

tations in India, etc., in September, 1910—concluded.

Vapour Tension, in inches of mercury.					Humidity.					Cloud.				Wind direction.											Wind steadiness		Wind velocity.		Rainfall.		Station.
														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
																															Hill Stations, excluding Kashmir and Baluchistan.
421	·459	·495	·460	+·026	89	83	85	88	+ 8	6·8	7·9	7·3	+1·5																12·18	2·83	Simla.
	·415	·469				75	77			7·0	7·0	7·0		32	2	4			7	13	2		S 37° W		23		41		19·81	10·06	Sarain.
	·333	·342				85	88			8·6	8·8	8·7		15	3	2		19	13	1		7	S 27° E		33		1181		23·94	9·79	Kalabagh.
445	·539	·551	·514	+·045	93	88	92	93	+ 7	8·2	9·4	8·8	+2·6	8	8		1	37	5			1	S 50° E	S 63° W	59	36	57	144	11·33	5·78	Chakrata.
400	·407	·513	·472		92	88	89	92		8·2	8·1	8·1		18		4	13	4	2	3	16		S 6° E		7		155		10·57	2·48	Muktesar.
412	·655	·691	·652	+·019	92	72	71	80	− 1	5·9	6·3	6·1	−0·2	6			28				26		E	N 87° W	3	11	133*	17	5·16	2·62	Katmandu.
457	·524	·523	·503	+·023	93	89	90	94	− 2	9·0	8·8	8·9	+0·6	37	1	2	4	3		7	6		S 38° W	S 85° E	10	39	16	89	17·19	3·77	Darjiling.
401	·650	·694	·674	+·035	92	91	87	94	+ 8	5·5	6·9	6·2	−1·0	5	6	3	2	2		6	15	21	N 58° W	N 60° W	55	44	186	149	22·06	4·33	Pachmarhi.
419	·593	595	·581	+·022	87	78	74	84	+ 3	6·6	6·4	6·5	+1·0		7	5		2	6	31	5	4	S 61° W	S 66° W	55	40	190	190	0 05	0·03	Mount Abu.
389	·645	·670	647	+·004	95	92	89	96	+ 4	8·3	8·4	8·3	+0·9																19 87	2·72	Chikalda.
352	·393	·401	·374		92	81	84	86		8·4	9·2	8·8			1	1			1	8	40	9	N 8° W		85		193		4 09	2·23	Ootacamund.
322	·395	·421	·379		84	77	87	83		6·9	9·0	7·9		1	1	1	3	1		1	28	24	N 67° W		75		392*		4·32	1·37	Kodaikanal.
301	·351	·365	·332		87‡	88	91	88		8·6	9·2	8·9		1						3	35	21	N 76° W		91		554		3·45	0·86	Dodabetta.
																															Extra India.
										5·5	6·1	5·8								1	49	10	N 61° W		21		212		11·94	2·88	Minicoy.
78	·726	·616	·655	−·083	68	76	57	68	−10	5·2	3·8	4·5	−0·3		2	1	1	11	27	14	2	2	S 5° W	S 6° E	63	62	151	134	0·67	0·20	Zanzibar.
						Observations not received.																									Diego Garcia.
3	·740	·716	·717	−·050	72	75	74	76	− 4	5·2	5·8	5·5	−0·1†				7	44	7	1	1		S 43° E	S 40° E	89	87	275*	288	2·66	0·92	Seychelles.
						Observations not received.																									Mauritius.

‡ Mean of 29 days.

* Uncorrected for scale error.

Table B.—Abstract of observations taken at 8 hrs. at 238 stations in India, etc., in September, 1910.

(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 2,000 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.
ma	—·067	87·3	—0·6	75·4	+0·1	81·3	—0·2	11·9	19·3	+0·	— 9	90	+ 1	·881	—·004	7·9	+1·1	14·78	11·92	+2·9
tern Bengal and Assam	—·066	88·7	+0·9	77·9	+0·8	83·3	+0·9	10·8	19·5	—1·0	—17	89	— 2	·951	+·005	5·8	—1·3	10·29	12·65	—2·[illegible]
gal	—·066	89·3	0	77·9	+0·3	83·6	+0·1	11·4	18·5	—1·1	— 3	87	+ 1	·943	+·016	5·7	+0·2	9·51	9·32	+0·
ted Provinces of Agra and udh.	—·061	90·1	—1·0	76·6	+1·0	83·3	0	13·5	21·5	—0·5	+ 2	85	+ 5	·910	+·071	5·1	+1·0	8·75	6·36	+2·
jab	—·049	96·4	—0·2	75·7	+1·1	86·0	+0·5	20·6	30·6	—0·4	— 2	71	+ 1	·772	+·018	1·3	—0·6	2·76	2·63	+0·
h-West Frontier Province	—·069	96·9	—1·4	73·8	+1·3	85·3	—0·1	23·1	32·5	—1·1	— 3	69	+ 4	·735	+·053	0·7	—0·1	0·32	1·18	—0·
	—·051	94·4	—1·0	75·9	0	85·2	—0·5	18·5	29·8	—2·0	— 2	76	+ 3	·798	+·015	2·2	—0·2	0·01	0·47	—0·
utana	—·059	92·2	—0·9	75·4	+0·1	83·8	—0·5	16·8	25·2	+0·5	+ 6	72	+ 2	·737	+·008	3·9	+0·5	5·37	3·45	+1·
bay	—·059	85·6	—1·3	73·1	—0·1	79·4	—0·7	12·6	20·3	—0·8	0	83	+ 1	·778	—·015	6·5	+0·6	6·55	7·21	—0·
tral India	—·062	86·8	—1·1	73·9	+1·2	80·3	0	12·9	20·6	—1·2	+ 2	87	+ 6	·823	+·041	6·5	+1·4	10·02	6·16	+3
tral Provinces	—·064	85·2	—2·2	72·8	+0·3	79·0	—0·9	12·4	19·6	+0·4	+ 5	87	+ 4	·786	+·008	7·6	+2·0	10·56	7·17	+3
erabad	—·073	83·9	—2·9	71·3	—0·1	77·6	—1·5	12·6	21·2	—1·2	— 3	83	+ 4	·714	—·027	7·5	+0·6	11·42	7·45	+3
ore	—·053	79·5	—2·9	65·3	—0·5	72·4	—1·7	14·1	21·2	+2·7	+11	85	+ 1	·621	—·007	8·3	+0·4	4·16	5·20	—1
ras	—·057	88·8	—1·5	75·4	—0·3	82·1	—0·9	13·3	20·1	+0·8	+ 8	79	+ 1	·796	—·018	6·7	+0·4	5·59	6·01	—[illegible]

Tal

(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. 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 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
	I.—Burma.																					
2	Victoria Point	123	? 29·737		29·791?	29·8[illegible]3	14th	29·640	6th	·183												
	Mergui	63	29·804	—·045	29·800	29·932	14th	29·727	5th	·205	76·6	82·7	—1·7	72·8	+0·6	77·7	—0·5	9·9	87·4	22nd	70·9	28th
	Tavoy	19	29·826	—·068	29·778	29·939	14th	29·746	5th	·193	76·5	81·8	—2·2	74·6	+0·9	78·2	—0·7	7·2	85·0	5 days	73·3	14th
	Moulmein	94	29·728	—·051	29·760	29·827	14th	29·585	6th	·242	77·5	83·4	—1·4	74·8	+0·3	79·1	—0·5	8·6	89·0	19th & 24th.	72·8	28th & 30th.
	Rangoon	18	29·776	—·070	29·731	29·881	15th	29·618	6th	·263	79·1	85·1	—0·6	76·5	+0·6	80·8	0	8·6	89·6	19th	74·9	9th, 14th & 30th.
	Bassein	27	29·759	—·057	29·723	29·863	14th	29·589	6th	·274	78·9	84·9	—0·6	76·4	+0·6	80·6	0	8·5	88·7	19th, 20th & 23rd.	74·4	30th
	Diamond Island	41	29·739	—·073	29·715	29·842	15th	29·564	6th	·278	80·9	84·6	—0·2	74·4	—1·4	79·5	—0·8	10·2	86·4	4 days	71·7	15th
	Toungoo	164	29·618	—·064	29·724	29·725	15th	29·469	3rd	·255	79·4	88·9	—0·1	75·1	—0·5	82·0	—0·3	13·8	93·5	19th	72·8	26th
	Kyaukpyu	18	29·723		29·681	29·837	15th	29·541	6th	·296	79·7	85·8		76·6		81·2		9·2	90·0	30th	74·4	4 days
	Akyab	20	29·719	—·079	29·680	29·810	15th	29·525	6th	·315	79·7	86·0	—0·6	77·3	—0·7	81·7	—0·8	9·6	83·9	4 days	74·0	15th
3	Thayetmyo	121	29·632	—·078	29·695	29·736	22nd	29·460	3rd	·28[illegible]	80·2	90·2	+0·3	76·5	+0·5	83·4	+0·4	13·7	95·0	2nd & 19th.	73·4	28th
—	Minbu	*165*	29·587	—·079	29·695	29·678	15th	29·426	3rd	·252	80·2	91·1	+0·2	76·9	0	84·0	+0·1	14·2	97·3	2nd	74·5	28th
—	Yamethin	657	29·094	—·091	29·731	29·189	15th	28·923	3rd	·265	78·2	89·8	—1·9	74·6	—0·2	82·2	—1·1	15·2	94·8	20th	73·0	3rd & 14th
	Mandalay	250	29·521	—·053	29·718	29·611	15th	29·341	3rd	·270	81·0	93·3	+0·5	77·0	+0·1	85·1	+0·3	16·3	100·0	28th	73·1	10th
	Monywa	*280*	29·498		29·726	29·585	17th	29·309	3rd	·276	80·8	91·9		78·3		85·1		13·6	97·8	20th	75·6	3rd
	Lashio	*2,820*	27·011	—0·65	29·702	27·1[illegible]2	27th	26·865	3rd	·237	73·1	83·8	—1·0	68·4	+0·6	76·1	—0·2	15·4	87·8	20th	63·0	27th & 28th.
	Bhamo	*381*	29·371	—·062	29·708	29·979	26th	29·173	3rd	·306	78·7	90·9	+0·8	75·5	+1·0	83·2	+0·9	15·4	94·9	3rd	73·1	26th
	Myitkyina	458	29·26[illegible]		29·683	29·365	15th & 26th.	29·097	3rd	·268	79·8	89·9		75·3		82·9		14·0	97·2	4th	71·0	25th
	II.—Eastern Bengal and Assam.																					
4	Dibrugarh	353	29·379		29·694	29·531	26th	29·206	7th	·325	78·7	86·9		75·7		81·3		11·2	94·4	6th & 7th	69·6	25th
	Sibsagar	333	29·419	—·061	29·711	29·569	26th	29·253	6th	·316	78·8	87·2	—0·9	76·9	+0·7	82·0	—0·1	10·3	95·6	6th	71·0	25th
	Tezpur	252	29·481		29·694	29·646	26th	29·316	6th	·330	79·7	89·8		78·0		83·9		11·8	96·1	6th	73·9	25th
	Gauhati	195	29·529		29·679	29·686	26th	29·347	6th	·339	81·7	90·9		76·9		83·9		14·0	97·3	6th	73·1	28th & 29th.
	Dhubri	115	29·600	—·069	29·669	29·764	26th	29·389	7th	·375	80·6	86·6	+1·5	78·1	+1·1	82·3	+1·3	8·5	91·0	7th	75·1	22nd
	Silchar	104	29·648	—·055	29·705	29·766	26th	29·466	3rd & 7th.	·300	80·7	90·8	+1·0	76·9	+0·5	83·8	+0·7	13·9	98·3	28th	74·8	1st, 26th & 28th.
5	Cox's Bazar	36	29·693		29·673	29·829	26th	29·494	6th	·335												
	Chittagong	87	29·637	—·078	29·669	29·773	26th	29·450	6th & 7th.	·323	80·7	88·0	+1·2	76·7	+0·4	82·3	+0·8	11·3	91·0	6th	71·5	26th
	Noakhali	43	29·685		29·675	29·832	26th	29·497	7th	·335	80·9	83·6		77·8		82·2		8·8	89·8	28th	72·9	29th
	Barisal	12	29·691	—·077	29·649	29·849	26th	29·490	4th	·359	81·6	87·8	—0·7	78·0	+0·3	82·9	—0·5	9·8	92·3	4th	72·6	29th
	Comilla	36	29·691		29·675	29·816	26th	29·506	7th	·310	81·7	89·0		78·0		83·5		11·0	93·8	28th	74·3	24th
	Narayanganj	26	29·664	—·067	29·659	29·823	26th	29·499	6th	·324	82·3	89·0	+0·5	79·0	+0·1	84·0	+0·3	10·0	92·5	4th & 28th.	74·8	26th
	Faridpur	46	29·670		29·666	29·818	26th	29·475	7th	·343	82·3	88·4		78·7		83·6		9·7	91·3	12th	74·4	30th
	Sirajganj	49	29·665 †		29·661†	29·818	26th	29·489	7th	·329	81·5	87·8		78·6		83·2		9·2	93·4	28th	73·3	30th
	Mymensingh	63	29·663	—·060	29·677	29·799	26th	29·489	6th	·310	83·0	88·9	+1·8	78·3	+0·8	83·6	+1·3	10·6	92·6	4th, 28th & 29th.	75·1	2nd & 30th.
	Bogra	75	29·639	—·061	29·665	29·793	26th	29·461	6th	·332	83·1	90·1	+1·7	78·9	+1·4	84·5	+1·5	11·2	93·7	4th	75·7	30th
	Rampur Boalia	70	29·633 ‡		29·652‡	29·781	26th	29·431	7th	·350	83·5	89·4		79·9		84·7		9·5	92·1	4 days	76·1	1st & 5th
	Malda	72	29·613 §		29·637§	29·781	26th	29·423	7th	·358	83·3	88·9		78·5		83·7		10·4	92·8	29th	74·5	1st & 2nd
	Dinajpur	123	29·575	—·066	29·652	29·742	26th	29·378	7th	·364	82·3	89·8	+1·6	78·7	+1·3	84·2	+1·5	11·1	93·8	7th	76·0	1st, 21st & 22nd.
	Rangpur	123	29·597		29·675	29·759	26th	29·395	7th	·364	83·1	89·6		77·9		83·7		11·7	93·6	7th & 30th.	74·9	21st

† Mean of 26 days. ‡ Mean of 28 days. § Mean of 29 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.

tions in India, etc., in September, 1910.

Wind direction. Number of winds from N.	N.E.	E.	E.S.E.	S.E.	S.S.W.	S.W.	W.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, 1910.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September, 1910.	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	49	50	51	52	53	54	55	56	57
																																I.—Burma.
																																Victoria Point
1	3	5	4	5	7	4			S 39° W					30						8·9												
	1	3	1						S 45° E	N 76° W	11·0	1·6	+9·4	13	−45	96	+ 4	·859	+·001	8·5	+1·4	29	23·40	+5·60	43·77	28·07	+15·70	125·12	139·09	−12·97	4·76	Mergui.
									(a)	S 61° W	1·1*	1·3	−0·2			93	0	·845	−·021	9·1	+1·6	29	24·10	+4·90	67·03	31·88	+35·18	217·86	131·93	+25·93	4·66	Tavoy.
		5	10	6	1	1	1		S 37° E	S 12° E	4·1	3·2	+0·9	53	+16	94	+ 2	·885	+·005	9·8	+2·6	29	21·90	+7·10	45·49	27·52	+17·97	173·68	169·89	+3·79	5·75	Moulmein.
1		2	4	3	1				S 9° W	S 50° W	2·3	3·5	−1·2	20	−28	89	− 5	·883	−·032	8·7	+1·7	20	19·70	+0·30	17·49	15·84	+1·56	85·82	85·41	+ 0·41	3·13	Rangoon.
			2						S	S 5° W	2·8	4·0	−1·2	7	−30	95	+ 2	·936	+·014	8·4	+1·5	19	20·30	−1·30	19·71	15·89	+ 3·82	71·85	98·24	−26·39	3·03	Bassein.
		1	5	12	3	2			S 41° W	S 51° W	9·2	7·9	+1·3	56	+15	85	− 1	·896	+·005	6·8	−0·6	21	18·90	+2·10	19·97	17·33	+ 2·64	78·94	100·18	−21·24	3·85	Diamond Island.
		2	11	6	2		3		S 29° E	S 32° E	3·1	3·1	0	56	+ 1	90	− 1	·901	−·010?	9·0	+0·8	17	17·50	−0·50	12·48	11·56	+0·92	68·03	68·56	−0·53	1·83	Toungoo.
2		1	21			1	1		S 56° E		4·6*			72		89		·905		5·5		22			21·00			132·00			2·83	Kyaukpyu.
1	4	11	2			2			S 73° E	N 87° E	3·2	3·0	+0·2	53	− 2	94	+ 2	·945	−·014	7·6	−0·2	24	13·80	+10·20	34·29	22·18	+12·11	181·00	173·47	+7·53	4·42	Akyab.
2		10	12	3		1			S 17° E	S 20° E	5·6*	5·1	+0·5	62	−16	86	+ 2	·890	+·014	8·3	+0·8	14	11·70	+2·30	7·68	6·07	+1·61	19·69	29·84	−10·15	1·90	Thayetmyo.
		16	9	3		1			S 21° E	S 42° E	4·2	8·2	−4·0	79	+12	85	0	·838	−·013	8·4	+2·3	13	9·30	+3·70	8·73	5·46	+3·27	27·76	25·45	+2·31	1·95	Minbu.
		11	11						S 27° E	S 30° E	3·7	5·5	−1·8	72	+ 5	89	+ 2	·856	−·008	7·1	+3·1	8	10·30	−2·30	6·33	6·65	−0·32	29·81	28·19	+1·62	1·86	Yamethin.
		7	2	1					S 29° E	S 3° W	4·5	4·7	−0·2	30	−25	82	− 1	·852	−·041	5·8	−0·5	10	8·80	+1·20	7·42	5·62	+1·80	35·83	24·00	+11·83	2·03	Mandalay.
	4	13	4	2		2			S 46° E		3·2			46		88		·932		7·9		9	8·90	+0·10	7·79	6·31	+1·48	29·88	22·34	+7·54	2·90	Monywa.
5	3	1	2	1		2			N 55° E		2·4*			20		90	− 2	·734	+·002	7·3	−0·7	12			6·37	6·92	−0·55	56·48	51·30	+5·18	1·52	Lashio.
									(a)	N 72° W	1·2	2·0	−0·8			93	+ 3	·915	+·036	8·3	+1·7	15	11·50	+3·50	9·48	9·31	+0·17	71·05	65·05	+9·00	2·46	Bhamo.
2	3								N 72° E		1·5			13		87		·879		6·3		9			10·34	9·85	+0·49	82·87	63·77	+19·10	3·93	Myitkyina.
																																II.—Eastern Bengal and Assam.
1	2	1		1		1			E		1·0			7		91		·885		7·5		13	14·90	−1·90	6·96	14·91	−7·95	85·07	88·79	−3·72	1·25	Dibrugarh.
2			2	4					S 31° W	S 79° E	1·4	2·4	−1·0	7	− 4	97	+ 2	·958	+·027	6·1	−2·6	15	14·50	+0·50	9·14	11·95	−2·81	73·29	71·82	+1·47	1·33	Sibsagar.
									(a)		2·0					92		·929		6·6		15	12·50	+2·50	8·42	8·58	−0·16	62·20	57·04	+5·16	2·54	Tezpur.
3	1	3	1	1	1	1			E		2·4			9				·945		6·5		4	10·00	−6·00	1·11	7·49	−6·38	39·51	49·86	−10·35	0·47	Gauhati.
7	7	1	3	5					S 76° E	N 82° E	4·5	4·3	+0·3	30	+ 8	90	− 2	·944	+·033	4·0	−3·5	8	11·90	−3·90	3·66	14·61	−10·95	86·12	81·99	+4·13	1·09	Dhubri.
																90	− 1	·919	+·025	5·0	−3·7	14	15·30	−1·30	13·60	13·95	−0·35	95·95	91·87	+5·08	3·80	Silchar.
3	5	9	7	1	1	1			S 45° E		3·5			50						4·1		16			8·35			99·22			1·54	Cox's Bazar.
	1	5		1	1				S 29° E	S 60° E	3·1	4·4	−1·3	49	−14	86	− 2	·902	−·025	7·2	−0·1	18	13·06	+4·94	12·91	11·08	+1·83	89·64	79·95	+9·69	3·00	Chittagong.
3	4	10	4	2	3	1			S 39° E		4·9			43		89		·943		5·7		20	15·48	+4·52	25·22	15·54	+9·74	118·64	94·92	+23·72	3·62	Noakhali.
1	2	9	4	2					S 37° E	S 27° E	1·2	2·8	−1·6	23	− 3	88	0	·940	−·037	7·4	+0·2	17	14·35	+2·65	9·83	10·74	−0·91	64·02	62·26	+1·76	2·77	Barisal.
1	1	9	4	1					S 38° E		2·8			37		89		·961		3·5		18	13·28	+4·72	12·37	11·11	+1·26	91·47	72·88	+18·59	1·90	Comilla.
	6	7	2	4	2	2			S 30° E	S 18° E	4·0	5·2	−1·2	33	−15	86	− 2	·952	−·019	7·0	−0·8	13	11·83	+1·17	7·69	8·57	−0·88	61·48	54·97	+6·51	1·48	Narayanganj
3	3	7	10	1					S 23° E		2·8			50		87		·966		6·0		11	11·78	−0·78	8·26	9·09	−0·83	63·72	54·69	+9·03	3·67	Faridpur.
	2	8	5	2	1	1			S 24° E		2·7			40		91		·975		8·1		16	11·61	+4·39	7·90	9·08	−1·18	54·79	50·76	+4·03	2·65	Sirajganj.
	3	5	1	1					S 48° E	S 63° E	1·3	2·7	−1·4	27	−23	87	− 4	·965	−·002	7·1	0	17	15·03	+1·97	12·97	12·83	+0·14	96·92	72·80	+24·12	2·59	Mymensingh
1 2	5		4		1				S 73° E	S 49° E	1·7	3·0	−1·3	17	−39	82	− 7	·932	−·030	5·4	−1·6	13	12·10	+0·90	7·44	12·11	−4·67	61·61	57·31	+4·30	1·37	Bogra.
		1	2	2					S 14° W		2·8			13		86		1·001		5·0		11	12·36	−1·36	5·39	10·38	−4·99	34·20	48·61	−14·31	1·48	Rampur Boalia.
1 4	6	7	9	1	1	1			S 48° E		4·1*			50		87		·986		2·7		11	11·45	−0·45	10·16	10·86	−0·70	43·34	45·94	−2·60	1·80	Malda.
1 5	5	7	2	3	1				S 66° E	S 76° E	2·9	3·6	−0·7	37	−15	90	0	·991	+·048	5·7	−1·1	11	12·56	−1·56	4·91	14·00	−9·09	63·86	64·01	−0·15	1·60	Dinajpur.
	3	4	2	3	1		1		S 72° E		1·7			23		87		·985		4·1		10	13·55	−3·55	6·98	14·16	−7·18	87·23	73·5	+13·72	2·59	Rangpur.

* Uncorrected for scale error.

(a) Indeterminate.

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(2) *Abstract of observations taken at 8 hrs. at 238 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	29·426	−·068	29·665	29·577	26th	29·223	7th	·354	80·7	83·0	+1·8	76·9	+1·6	82·9	+1·7	12·1	94·4	7th, 29th & 30th.	74·9	20th, 21st & 23rd.
	Cooch Behar	156	29·557		29·669	29·726	26th	29·338	7th	·388	80·8	88·3		78·0		83·1		10·3	93·8	7th	74·6	21st
	III.—Bengal.																					
6	Saugor Island	25	29·655	−·067	29·625	29·790	26th	29·424	6th	·366	82·5	89·6	+1·4	79·5	−0·2	84·6	+0·6	10·1	92·0	4 days	76·0	2nd & 17th.
	Midnapore	149	29·535		29·630	29·677	26th	29·311	6th	·366	82·2	89·9		78·0		84·0		11·9	94·3	2nd	75·7	28th
	Calcutta	21	29·668	−·066	29·636	29·818	26th	29·441	6th	·377	82·1	89·0	+1·4	78·3	+0·3	83·6	+0·9	10·7	93·2	3rd & 4th	74·5	28th
	Jessore	33	29·653	−·080	29·633	29·806	26th	29·434	7th	·372	82·6	89·2	−0·2	78·2	−0·3	83·7	−0·3	11·0	92·5	4th	75·2	24th
	Krishnagar	47	29·647†		29·640†	29·789	26th	29·437	7th	·322	82·3	90·1		79·5†		84·9†		11·1	92·9	29th	77·0	2nd
	Burdwan	99	29·592	−·070	29·639	29·755	26th	29·372	7th	·381	82·4	90·2	+0·5	76·0	+0·1	84·6	+0·3	11·2	92·9	2nd	76·8	2nd, 4th & 29th.
	Bankura	313	29·364		29·627	29·536	26th	29·153	7th	·383	82·7	90·6		77·9		84·3		12·7	94·6	2nd & 3rd	74·2	4th
	Raniganj	334	29·356		29·643	29·508	26th	29·150	7th	·358	80·5	90·3		78·1		84·2		12·2	94·5	20th	75·0	4th
	Berhampore	67	29·633	−·060	29·649	29·798	26th	29·422	7th	·376	82·3	89·5	+0·6	79·3	+0·8	84·4	+0·7	10·2	92·6	30th	74·2	1st
	Naya Dumka	489	29·195		29·641	29·357	26th	28·980	7th	·377	81·7	89·6		76·9		83·3		12·7	92·4	29th	74·0	4th & 25th.
7	Balasore	50	29·630	−·056	29·625	29·772	26th	29·375	6th	·397	81·9	88·9	0	78·3	+0·5	83·6	+0·3	10·6	94·4	3rd	75·6	28th
	False Point	21	29·662	−·064	29·626	29·775	26th	29·433	7th	·342	82·8	87·9	0	77·7	−0·4	82·8	−0·2	10·2	95·2	3rd	75·6	3rd & 15th.
	Cuttack	80	29·608	−·053?	29·629	29·720	26th	29·379	6th	·341	81·7	88·9	−1·3	77·8	−0·3	83·3	−0·8	11·1	96·4	3rd	75·2	6th, 25th & 28th.
	Puri	24	29·668		29·631	29·789	26th	29·456	6th	·333	82·2	88·9		79·0		83·9		9·9	93·6	10th	76·1	5th 25th & 28th.
	Angul	155	29·232		29·626	29·354	26th	29·007	6th	·347	80·3	87·7		76·8		82·3		10·9	93·1	2nd & 3rd	74·0	15th, 18th & 29th.
	Sambalpur	486	29·200	−·074	29·633	29·311	26th	28·986	6th	·325	81·8	88·2	−1·1	77·5	+0·2	82·9	−0·5	10·7	92·1	26th	75·1	29th
8	Chaibassa	*733*	28·934	−·070	29·617	29·063	26th	28·720	6th	·343	79·7	89·3	−0·8	76·2	+0·2	82·7	−0·3	13·1	94·6	2nd	74·8	6 days
	Ranchi	2,128	27·583	−·046	29·618	27·719	26th	27·385	6th & 7th.	·334	76·3	84·5	+0·1	72·6	+0·9	78·6	+0·5	11·9	89·2	20th	70·4	26th
	Purulia	*816*	28·875		29·640	29·022	26th	28·671	6th	·351	79·4	90·1		75·9		83·0		14·2	94·0	12th	73·1	4th
	Hazaribagh	2,007	27·692	−·055	29·613	27·826	26th	27·501	7th	·325	77·8	85·0	+0·3	73·2	+1·0	79·1	+0·7	11·8	87·7	19th	71·8	23rd
	Daltonganj	*730*	28·957		29·645	29·083	26th	28·773	7th	·310	79·1	89·9		76·5		83·2		13·4	93·1	20th	74·0	13th
9	Purnea	134	29·564	−·059	29·652	29·741	26th	29·353	7th	·388	82·4	88·8	−0·1	77·9	+0·5	83·4	+0·2	10·9	92·5	7th & 11th	74·2	1st
	Bhagalpur	160	29·530		29·642	29·687	26th	29·333	7th	·354	83·9	90·3		78·1		84·2		12·2	93·7	29th	74·3	6th
	Monghyr	155	29·531†		29·63.†	29·682	26th	29·319	7th	·363	83·8	90·7		78·6		84·2		11·1	93·2	20th	74·9	4th
	Darbhanga	165	29·519	−·067	29·633	29·683	26th	29·314	7th	·369	82·9	89·1	+0·8	78·9	+0·1	84·0	+0·5	10·2	93·6	14th	75·3	8th
	Pusa	188	29·493		29·636	29·649	26th	29·291	7th	·358	83·4	90·3		78·2		84·2		12·1	94·0	8th	76·0	27th
	Muzaffarpur	177	29·513		29·645	29·679	26th	29·311	7th	·368	82·8	89·4		78·5		83·9		10·9	93·2	8th & 12th.	74·5	2nd & 21st.
	Motihari	221	29·463		29·644	29·623	26th	29·261	7th	·362	81·9	89·7		78·7		84·3‡		11·0	95·1	8th	74·3	21st
	Chapra	181	29·489		29·623	29·633	26th	29·299	7th	·339	82·5	91·7		78·7		85·2		13·0	94·3	7th	75·8	22nd
	Patna	183	29·491	−·072	29·628	29·645	26th	29·298	7th	·347	84·2	88·8	−1·1	79·4	+0·3	84·1	−0·4	9·4	92·5	8th	73·2	22nd
	Arrah	190	29·489		29·631	29·636	26th	29·325	6th & 7th.	·311	84·5	89·3		79·0		84·2		10·3	92·6	8th	74·3	22nd
	Buxar	239	29·430		29·625	29·584	26th	29·242	7th	·342	82·3	89·5		78·2		83·9		11·3	92·5	1st & 8th	74·6	29th
	Sehri	351	29·316		29·621	29·458	26th	29·127	7th	·331	82·4	90·1		78·9		84·5		11·2	93·3	20th	75·0	8th
	Gaya	372	29·295	−·069	29·620	29·442	26th	29·104	7th	·338	82·9	90·7	−0·3	78·5	+0·7	84·6	+0·2	12·2	93·9	20th	76·2	8th, 9th & 22nd.
	IV.—United Provinces of Agra and Oudh.																					
10	Gorakhpur	257	29·418	−·059	29·632	29·592	26th	29·235	7th	·357	82·6	89·6	−0·9	77·4	−0·3	83·5	−0·6	12·2	93·1	7th & 14th.	74·3	20th
	Benares	267	29·403	−·061	29·622	29·538	26th	29·228	6th	·310	83·0	91·1	+0·1	78·3	+0·9	84·7	+0·5	12·8	93·6	1st & 20th.	75·1	26th
	Allahabad	309	29·356	−·066	29·619	29·487	26th & 27th	29·161	6th	·326	82·5	91·3	−0·2	77·6	+0·7	84·5	+0·3	13·7	95·1	4th	75·0	9th, 22nd & 29th.

N.B.—Elevations in italics indicate barometrical determinations. † Mean of 29 days. ‡ Mean of 28 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.

—*continued.*

India, etc., in September, 1910—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 May to 30th September, 1910.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September, 1910.	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
																															II.—Eastern Bengal and Assam—*concld.*
	1	2	2				1	E	N 73° E	1·4			11	−49	83	− 3	·331	+ ·028	7·1	+0·1	16	14·75	+ 1·25	19·63	20·03	− 0·40	131·91	113·18	+ 18·73	5·20	Jalpaiguri.
	4	7	6	1	3	1		S 66° E		1·4			40		89		·939		6·6		14	14·34	− 0·34	18·53	21·82	− 3·29	157·20	115·23	+41·97	3·75	Cooch Behar.
																															III.—Bengal.
	7	6	2	7	3	2	2	S 58° E	S 2° W	8·4	11·0	−2·6	27	− 2	89	+ 1	·973	−·008	7·6	−0·6	15	13·29	+ 1·71	13·81	11·30	+ 2·51	49·53	58·04	− 8·51	3·50	Saugor Island.
7	6		2	10	4			S 63° E		2·3			13		86		·934		5·7		13	12·13	+ 0·87	8·50	9·39	− 0·89	35·59	50·66	−15·07	2·85	Midnapore.
	3	9	6	2	4		2	S 64° E	S 13° E	3·2*	4·1	−0·9	49	+ 7	88	+ 1	·971	+·014	7·3	+0·6	13	13·39	− 0·38	12·55	8·91	+ 4·04	46·4[illegible]	50·59	− 4·17	4·86	Calcutta.
		2	5	1	1			S 43° E	S 32° E	1·1	3·2	−2·1	27	−10	85	− 5	·963	−·033	2·1	−5·0	13	11·94	+ 1·06	12·03	8·28	+ 3·75	59·07	51·35	+ 7·72	2·85	Jessore.
	1	5	5	1			1	S 74° E		0·8			23		90		·993		6·0		11	10·45	+ 0·55	9·46	7·97	+ 1·49	60·14	45·01	+15·13	2·38	Krishnagar.
2	3	6			7		1	S 88° E	S 18° E	1·8	3·0	−1·2	8	−14	88	+ 3	·972	+·042	7·3	+0·3	11	12·10	− 1·10	5·59	8·59	− 3·00	44·73	48·59	− 3·86	2·15	Burdwan.
			1					S 45° E		2·6			3		83		·907		4·0		9	12·53	− 3·53	7·46	8·77	− 1·31	37·04	47·51	−10·47	2·51	Bankura.
		1	1		1			S 45° E		1·1			3		91		·951		5·7		9	11·61	− 2·61	7·19	7·60	− 0·41	42·54	43·46	− 5·92	2·70	Raniganj
1	1	6	4	6	5	2	1	S 43° E	S 19° E	3·6	3·7	−0·1	33	− 5	87	− 3	·965	−·011	7·2	−0·2	11	12·48	− 1·48	5·03	9·72	− 4·69	49·44	46·89	+ 2·55	1·11	Berhampore.
	1	1	1					E		1·1			8		85		·921		4·1		12	13·30	− 1·30	7·50	10·01	− 2·51	47·35	51·12	− 3·77	1·00	Naya Dumka.
2	4	3			7	2	4	N 55° W	S 59° W	1·9	3·5	−1·6	17	− 5	87	− 1	·930	−·044	6·5	−0·5	15	13·87	+ 1·13	10·46	12·08	− 1·62	35·05	52·39	−17·34	2·20	Balasore.
2	1	2	3	2	2	8	3	S 84° W	S 58° W	5·0	8·5	−2·6	23	−14	85	0	·942	−·018	7·7	+0·6	12	12·90	− 0·90	8·75	11·1[illegible]	− 2·36	37·03	50·21	−13·18	1·91	False Point.
	4	4			3	5	1	N 38° W	S 81° W	1·9*	2·4	−0·5	3	−27	86	+ 4	·941	+·047	6·7	+0·7	17	13·00	+ 4·00	13·13	9·97	+ 3·16	56·77	49·69	+ 7·08	2·86	Cuttack.
7	6	1	1	2	3	4	1	N 8° W		7·5			23		87		·950		6·1		18	12·18	+ 5·82	7·29	10·07	− 2·78	39·91	43·04	− 3·13	1·32	Puri.
	3	1	6	1		5	9	N 53° W		5·5			17		88		·907		5·2		9			6·29			39·65			2·70	Angul.
		4	8	5	8	4	1	S 3[illegible] W	S	4·7	3·9	+0·8	53	+31	83	+ 1	·910	+·022	6·5	+0·5	9	11·80	− 2·80	10·76	8·76	+ 2·00	50·91	62·18	−11·27	4·63	Sambalpur.
1	4	3		1	6	6	2	W	S 53° W	2·2	1·4	+0·8	19	− 4	87	+ 2	·879	−·007	7·0	+1·2	11	12·00	− 1·00	9·62	7·36	+ 2·26	36·74	44·32	− 7·58	2·70	Chaibassa.
2	3	6	2	4	4	5	2	S 8 E	S 73° W	4·2	6·9	−2·7	9	−13	87	+ 4	·790	+·040	6·7	+1·0	13	13·66	− 0·66	13·88	9·01	+ 4·87	59·50	48·53	+10·97	4·38	Ranchi.
1	5	1						N 55° E		1·1			27		90		·909		3·2		13	11·61	+ 1·39	8·21	8·14	+ 0·07	36·32	45·66	− 9·34	1·90	Purulia.
2		5	6	7	5		4	S 15° E	S 27° W	4·8	7·4	−2·6	33	+ 7	81	− 8	·793	−·002	5·6	−1·1	15	11·97	+ 3·03	6·17	8·88	− 2·71	40·57	47·33	− 6·76	1·29	Hazaribagh
	1	10	5	1	2	1	1	S 65° E		3·[illegible]			40		89		·884		5·4		13	10·48	+ 2·52	8·41	7·54	+ 0·87	34·24	39·30	− 5·06	1·23	Daltonganj.
1	5	6	6	2	4	2		S 3[illegible] E	N 88° E	2·3	3·0	−0·7	33	− 5	89	− 1	·886	+·032	5·8	−0·2	12	11·40	+ 0·60	9·79	14·82	− 5·03	53·96	58·57	− 4·61	2·74	Purnea.
	7	1	7	2	1			S 73° E		2·1			33		84		·967		5·3		11	9·39	+ 1·61	8·27	8·48	− 0·21	39·04	43·03	− 3·99	2·49	Bhagalpur.
1	1	11	7				1	S 79° E		4·6			53		85		·986		6·0		13			7·69			34·63			1·82	Monghyr.
		15	2					S 85° E	S 76° E	2·6	3·8	−1·2	53	+ 3	87	+ 1	·985	+·044	5·9	+0·8	15	9·27	+ 5·73	13·24	8·70	+ 4·54	45·60	45·58	+ 0·31	2·06	Darbhanga.
3		9	6			1	1	S 86° E		2·7§			47		87		·983		5·6		7			3·67			27·72			1·18	Pusa.
		6	6			2		S 63° E		6·9*			30		88		·978		3·4		12	8·94	+ 3·06	9·17	8·17	+ 1·00	47·15	40·36	+ 6·79	1·99	Muzaffarpur.
	5	10						N 77° E		1·7			43		89		·973		5·3		11	8·97	+ 2·03	4·83	9·62	− 4·79	56·51	45·89	+10·62	1·06	Motihari.
										?					89		·981		5·1		10	8·35	+ 1·65	9·56	7·22	+ 2·34	39·78	35·99	+ 3·79	4·00	Chapra.
		12	2	3	1			S 68° E	S 74° E	5·0	3·9	+1·1	46	+16	85	+ 2	1·000	+·070	6·1	0	12	9·29	+ 2·71	11·48	6·93	+ 4·55	57·07	42·64	+14·43	5·04	Patna.
	1	4	11	4	2	1	1	S 37° E		1·3			50		83		·992		6·5		11	9·29	+ 1·71	5·63	8·23	− 2·60	34·49	40·50	− 6·01	1·41	Arrah.
	1	13	8	1	2	4		S 63° E		2·8			50		88		·953		6·4		13	9·03	+ 3·97	1·66	6·93	+ 5·73	37·08	36·26	+ 0·82	4·52	Buxar.
	1	1	6	3	6	1		S 5[illegible] E		4·9			37		87		·962		4·6		15	8·94	+ 6·06	12·45	6·46	+ 5·99	46·54	38·37	+ 8·17	3·15	Dehri.
	2	6	1	3		3		S 66° E	S 37° W	2·2	3·8	−1·6	17	−16	85	+ 3	·954	+·068	5·0	−0·8	14	9·13	+ 4·87	16·77	6·98	+ 9·79	46·09	42·24	+ 3·85	4·66	Gaya.
																															IV.—United Prov. of Agra and Oudh.
	5	6	4		1		1	N 86° E	N 63° E	1·3	2·0	−0·7	37	+11	83	+ 2	·962	+·057	5·4	+0·9	11	8·60	+ 2·40	4·57	8·08	− 3·51	60·2[illegible]	45·50	+14·76	1·30	Gorakhpur.
	1	6	5		1	2	2	S 71° E	S 31° W	1·3	3·8	−2·5	23	+12	86	+ 2	·967	+·058	5·9	+0·7	11	8·40	+ 2·60	5·97	6·03	− 0·06	24·94	36·40	−11·46	1·52	Benares.
	5	8	1	1	2	9	3	N 8° W	N 63° W	3·4	5·9	−2·5	8	− 7	85	+ 5	·941	+·052	7·3	+1·8	11	7·40	+ 3·60	9·35	5·16	+ 4·19	27·92	36·05	− 8·13	2·92	Allahabad.

§ Mean of 25 days.

* Uncorrected for scale error.

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. 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
	IV.—United Provinces of Agra and Oudh—*concld.*																						
10	Cawnpore	416	29·235	—·075	29·605	29·331	26th	29·055	6th	·326	82·5	91·3	—1·1	76·7	+0·1	84·0	—0·5	14·6	96·2	22nd	73·5	8th	22·7
	Lucknow	368	29·298	—·064	29·622	29·461	26th	29·117	6th	·344	82·5	91·1	—1·0	77·6	+1·1	84·3	+0·1	13·5	95·0	4th	72·0	23rd	22·4
	Bahraich	401	29·269	—·057	29·627	29·441	26th	29·092	4th	·349	82·6	90·2	—0·8	77·7	+1·5	84·0	+0·3	12·5	93·1	5th & 8th.	73·5	23rd	15·4
11	Jhansi	824	28·850	—·075	29·624	29·377	26 & 27th.	28·637	7th	·340	81·9	89·3	—1·9	77·3	+1·5	83·5	—0·2	12·5	99·0	25th	74·5	6th, 7th & 8th.	24·5
	Agra	556	29·108	—·071	29·620	29·244	27th	28·922	7th	·322	82·9	92·6	—0·5	78·1	+1·4	85·3	+0·5	14·5	97·5	21st & 26th.	76·0	30th	21·5
	Mainpuri	516	29·148	—·062	29·621	29·293	27th	28·939	7th	·354	80·9	91·1	—2·0	77·3	+1·4	84·2	—0·3	13·8	96·8	14th	75·1	5th, 7th & 27th.	21·7
	Bareilly	568	29·092	—·059	29·619	29·242	27th	28·918	7th	·324	81·3	89·7	—0·8	76·8	+1·0	83·3	+0·1	12·9	93·3	3rd & 21st.	72·0	22nd	21·3
	Meerut	733	28·930	—·058	29·624	29·087	27th	28·771	6th	·316	80·4	90·3	—1·5	75·6	+1·0	82·9	—0·3	14·7	94·1	21st, 22nd & 26th.	71·8	24th	22·3
	Roorkee	899	28·783	—·045	29·615	28·976	26th	28·617	4th	·259	79·1	88·5	—2·3	74·8	+1·5	81·6	—0·7	13·7	92·0	21st	70·4	27th	21·6
	Dehra Dun	2,233	27·484	—·047	29·640	27·643	26th	27·346	7th	·297	74·5	84·7	+0·4	70·6	+0·6	77·7	+0·5	14·1	90·5	5th	66·5	30th	24·0
	V.—Punjab.																						
12	Delhi	718	28·954	—·051	29·633	29·111	27th	28·788	7th	·323	81·1	90·9	—2·1	77·8	+0·8	84·3	—0·7	13·1	96·2	21st	74·2	11th	22·0
	Sirsa	662	29·023	—·032?	29·648	29·159	27th	28·872	7th	·287	82·6	97·6	—1·3	75·6	—0·1	86·6	—0·7	22·0	101·3	21st	70·5	11th	33·8
	Patiala	*818*	28·865		29·649	29·006	26th	28·723	7th	·283	81·4	91·6		75·8		83·7		15·8	97·5	21st	71·6	9th	25·9
	Ambala	892	28·775	—·052	29·631	28·947	27th	28·623	7th	·324	80·3	93·0	—0·7	75·2	+1·3	84·1	+0·3	17·3	98·5	15th & 19th.	72·9	5 days	25·6
	Ludhiana	812	28·859	—·049	29·637	29·025	27th	28·725	6th	·300	80·4	93·6	—1·3	75·8	+1·0	84·7	—0·1	17·8	99·5	21st	71·0	10th	28·5
	Lahore	702	28·953	—·052	29·630	29·114	27th	28·808	7th	·306	83·1	99·5	+0·6	75·7	+3·1	87·6	+1·9	23·8	104·4	20th & 21st.	69·2	29th	35·2
	Sialkot	830	28·833	—·047	29·630	28·989	27th	28·700	6th	·299	81·2	94·9	—0·8	73·9	+0·1	84·4	—0·3	21·0	99·0	21st	66·5	28th	32·5
	Rawalpindi	1,674	28·013	—·055	29·631	28·181	27th	27·887	7th	·297	79·7	94·4	+0·8	70·1	+1·2	82·2	+1·0	24·3	96·9	6th, 8th & 9th.	62·9	28th & 29th.	34·0
13	Khushab	612	29·047	—·041	29·625	29·233	27th	28·892	7th	·341	85·0	101·1	+1·5	77·9	+2·1	89·5	+1·8	23·2	107·4	20th	73·4	28th & 30th.	34·0
	Montgomery	558	29·098	—·044	29·618	29·253	27th	28·945	7th	·308	85·4	101·3	—0·4	76·2	+0·1	88·7	—0·1	25·1	105·9	21st	72·0	30th	33·9
	Multan	420	29·220	—·052	29·601	29·389	27th	29·070	7th	·319	84·6	101·8	+1·5	79·1	+1·5	90·4	+1·5	22·7	106·8	20th	76·0	25th & 30th.	30·8
	VI.—North-West Frontier Province.																						
15	Peshawar	1,110	28·566	—·066	29·643	28·764	27th	28·429	7th	·335	80·0	93·9	—2·1	72·0	+1·9	82·9	—0·1	21·9	97·7	20th	65·9	27th	31·8
	D. I. Khan	590	29·048	—·072	29·606	29·244	27th	28·902	7th	·342	82·0	99·8	—0·7	75·6	+0·7	87·7	0	24·2	104·4	20th & 21st.	71·1	20th & 22nd.	33·3
	VII.—Sind.																						
17	Jacobabad	186	29·461	—·054	29·606	29·599	27th	29·291	7th	·308	83·3	102·7	—0·8	76·3	+0·3	89·5	—0·3	26·4	107·6	30th	67·8	30th	39·8
	Hyderabad	96	29·584	—·049	29·632	29·701	27th	29·452	7th	·249	81·1	95·6	—1·9	75·8	—0·4	85·7	—1·1	19·8	104·5	29th & 30th.	73·0	26th	31·5
	Karachi	13	29·718	—·049	29·681	29·834	19th	29·599	7th	·235	78·5	85·0	—0·4	75·6	+0·1	80·3	—0·1	9·4	92·0	30th	74·0	7 days	18·0
	VIII.—Rajputana.																						
18	Bikaner	*771*	28·907	—·054	29·636	29·015	27th	28·746	7th	·269	82·8	97·7	—0·8	77·7	—1·5	87·7	—1·1	20·0	103·0	21st	75·0	5th, 23rd & 30th.	28·0
	Jodhpur	780	28·935	—·058	29·670	29·023	26th	28·787	7th	·236	81·1	94·9	—0·8	75·4	—0·7	85·2	—0·7	19·5	101·5	27th	72·3	4 days	29·2
19	Jaipur	1,431	28·287	—·056	29·660	28·400	26th	28·120	7th	·280	80·5	93·1	—1·1	74·6	+1·0	83·9	—0·1	18·5	98·2	20th & 21st.	70·1	30th	28·1
	Sambhar	1,254	28·461	—·036?	29·661	28·570	27th	28·296	7th	·274	80·5	93·6	—0·1	75·0	—0·1	84·3	—0·1	18·6	99·9	20th	71·9	25th	28·0
	Ajmer	1,611	28·123	—·044	29·676	28·220	26th & 27th.	27·964	7th	·256	77·0	87·4	—3·4?	75·4	+1·8	81·4	—0·8?	12·0	90·9	19th & 27th.	73·7	5th & 10th.	17·2
	Kotah	819?	28·851	—·079	29·622	28·947	24th	28·665	7th	·282	81·5	90·9	—1·9	77·1	—0·5	84·0	—1·2	13·8	96·5	21st	73·6	22nd	22·9
	Udaipur	1,925	27·824	—·065	29·669	27·903	26th	27·666	7th	·237	78·8	87·5	—0·6	72·3	+1·0	79·9	+0·2	15·2	92·5	27th	69·3	12th & 23rd.	23·2
	IX.—Bombay.																						
20	Deesa	466	29·281	—·054	29·700	29·355	19th	29·155	7th	·200	81·0	95·0	+2·2	74·3	+0·4	84·7	+1·3	20·7	103·3	28th	71·4	6th	31·9
	Bhuj	395	29·356	—·041	29·702	29·456	19th	29·235	7th	·221	80·3	91·7	—0·4	74·3	—0·3	83·0	—0·3	17·4	101·5	29th	71·5	13th	30·0

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.

—*continued.*

India, etc., in September, 1910—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 May to 30th September, 1910.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September, 1910.	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.*
3	2	6	3	1	2	7	1	N 34° E	S 45° W	2·9	3·6	−0·7	2	−6	84	+4	·919	+·074	2·5	−1·5	8	6·70	+1·30	7·08	5·14	+1·94	26·57	32·46	−5·89	1·78	Cawnpore.
	2	7	5					S 80° E	S 83° E	2·5	2·8	−0·3	40	+33	87	+6	·973	+·096	4·4	−0·5	13	8·10	+4·90	5·26	5·39	−0·13	26·41	35·47	−9·06	1·52	Lucknow.
3		5	7		1	2		S 70° E	S 68° E	2·0	3·2	−1·2	23	−18	87	+5	·973	+·068	5·2	+1·2	9	7·40	+1·60	5·21	6·58	−1·37	42·36	43·72	−1·36	1·50	Bahraich.
1	2	4	2		1	10	6	N 61° W	N 1° E	5·2	3·3	+1·9	30	−5	76	+1	·837	+·035	4·1	+1·1	8	6·80	+1·20	14·44	5·89	+8·55	32·50	36·09	−3·59	10·30	Jhansi.
1	2	4	2	1	2	8	3	N 81° W	S 59° W	4·6	4·5	+0·1	17	−5	81	+6	·803	+·086	4·7	+1·2	7	4·80	+2·20	4·93	4·23	+0·70	20·66	26·43	−5·77	1·32	Agra.
4	4	4	2	2	3	3	4	N 4° E	S 36° W	1·9	1·5	+0·4	14	−5	83	+10	·927	+·091	7·2	+3·0	10	6·70	+3·30	7·38	3·74	+3·64	19·92	27·78	−7·86	1·45	Mainpuri.
								(a)	S 55° E	0·3	2·3	−2·0			86	+4	·923	+·077	6·3	+2·5	12	6·73	+5·27	1·51	7·01	+5·50	42·74	43·63	−0·89	7·20	Bareilly.
2	2	1	2	1		7	5	N 55° W	S 53° W	2·5	1·8	+0·7	27	+20	83	+7	·831	+·092	3·1	+0·1	7	5·00	+2·00	8·57	5·30	+3·27	23·49	28·04	−4·55	2·83	Meerut.
			8				3	S 45° E	S 58° E	2·1	1·9	+0·2	13	−2	87	+6	·861	+·076	5·1	+1·5	8	5·70	+2·30	10·36	6·04	+4·32	45·65	37·87	+7·78	4·68	Roorkee.
					1			S 15° W	S 5° W	0·9*	1·0	−0·1	3	+1	88	+5	·758	+·061	5·2	+0·4	15	10·20	+4·80	12·31	9·74	+2·57	100·18	80·95	+19·23	3·85	Dehra Dun.
																															V.—Punjab.
1	5	2	4	1	2	7	6	N 51° W	S 85° W	3·7	3·5	+0·2	17	−12	85†	+16?	·901	+·156?	3·2	0	7	4·10	+2·90	8·66	3·61	+5·05	22·09	24·74	−2·65	4·00	Delhi.
1	3	3	3	2	12	3	2	S 41° W	S 59° W	5·0	4·9	+0·1	30	+8	69	+5	·758	+·035	1·0	−1·1	3	3·20	−0·20	2·65	1·74	+0·91	9·74	12·25	−2·51	1·80	Sirsa.
2	1	3	6	1		4	8	N 34° W		4·0‡			13		82		·830		1·3		3			8·70			32·08			6·45	Patiala.
2		7	4	1	1	2	3	S 85° E	S 39° W	2·8	1·5	+1·3	17	−12	84	+2	·755	−·047	4·0	+1·3	5	3·90	+1·10	8·26	4·24	+4·02	27·00	26·94	+0·06	4·20	Ambala.
			2				1	S 45° E	S 20° E	0·4	1·4	−1·0	3	−9	78	+3	·811	+·057	1·7	−1·4	4	3·40	+0·60	4·75	3·61	+1·14	26·00	22·86	+3·14	2·51	Ludhiana.
		5	1	2	4	3	5	S 70° W	S 34° E	1·9	2·1	−0·2	23	+8	67	0	·758	+·024	0·5	−0·9	0	2·30	−2·30	0	1·99	−1·99	11·40	16·16	−4·76	0	Lahore.
2	2	9	2	1		1		N 85° E	N 73° E	1·2	1·8	−0·6	37	−4	79	+9	·836	+·093	0·6	−1·6	1	3·30	−2·30	0·62	2·83	−2·21	32·24	24·64	+7·60	0·62	Sialkot.
4	8	2		1	1		1	N 28° E	N 56° E	1·5	1·5	0	20	+5	86	−6	·672	+·007	1·2	−0·7	1	4·20	−3·20	0·52	3·23	−2·71	27·25	23·94	+3·31	0·52	Rawalpindi.
	8	8	2	4	2	1		S 85° E	N 65° E	3·9	5·4	−1·5	43	−13	61	+1	·732	+·053	0·5	−0·6	0	1·60	−1·60	0	0·54	−0·54	13·15	10·29	+2·86	0	Khushab.
		1	1	7	14	4		S 34° W	S 4° W	6·4	6·9	−0·5	65	+22	52	−7	·641	−·061	0·6	−0·6	0	1·30	−1·30	0	0·87	−0·87	8·19	7·75	+0·44	0	Montgomery.
	1		2	5	3			S	S 5° W	1·0	2·6	−1·6	26	−15	63	−2	·744	−·005	0	−0·5	0	0·70	−0·70	0	0·32	−0·32	1·66	5·67	−4·01	0	Multan.
																															VI.—North-West Frontier Province.
4	1					2	2	N 24° W	N 34° W	1·0	2·8	−1·8	23	−7	67	+4	·691	+·058	1·1	0	1	1·40	−0·40	0·21	0·52	−0·31	13·60	5·59	+8·01	0·12	Peshawar.
2	6	1	5					N 72° E	N 67° E	1·3	1·8	−0·5	30	0	72	+4	·778	+·047	0·3	−0·3	0	1·00	−1·00	0·09	0·28	−0·19	6·51	5·28	+1·23	0·09	D. I. Khan.
																															VII.—Sind.
		1	7	6	1			S 24° E	S 48° E	2·9	2·9	0	43	−5	76	+7	·863	+·080	0·2	−0·4	0	0·50	−0·50	0	0·07	−0·07	2·55	2·67	−0·12	0	Jacobabad.
3				8	17	1	1	S 40° W	S 39° W	9·8	13·6	−3·8	69	−5	70	+2	·737	+·020	1·6	0	0	0·80	−0·80	0	0·41	−0·41	10·10	6·07	+4·03	0	Hyderabad.
				1	2	22	3	S 83° W	S 77° W	12·3	14·6	−2·3	85	+4	82	+1	·795	−·056	4·7	−0·3	0	0·60	−0·60	0	0·51	−0·51	12·16	6·65	+5·51	0	Karachi.
																															VIII.—Rajputana.
	2	2	4	11	7	1		S 41° W	S 46° W	7·0	6·6	+0·2	56	−4	63	0	·703	−·036	2·2	−0·2	1	1·90	−0·90	0·63	0·94	−0·31	12·81	10·03	+2·78	0·50	Bikaner.
4				15	7	4		S 71° W		4·3			59		67	−1	·703		4·0		0	2·50	−2·50	0·16	1·75	−1·59	10·08	12·26	−2·18	0·09	Jodhpur.
2	3				6	14		N 39° W	N 68° W	4·4*	4·2	+0·2	59	+18	72	−1	·752	+·030	4·4	+0·8	5	4·90	+0·10	1·91	3·56	−1·65	14·44	24·26	−9·82	0·63	Jaipur.
	2	1			16	7		N 71° W	N 86° W	6·3	6·8	−0·5	62	+14	74	+5	·769	+·040	3·3	+0·4	4	3·80	+0·20	0·85	2·80	−1·95	10·14	19·14	−9·00	0·27	Sambhar.
	1	1		5	13	6		W	S 89 W	7·8	5·6	+2·2	63	−4	79	+4	·733	−·001	4·1	+1·0	5	4·10	+0·90	1·99	2·33	−0·34	16·47	20·09	−3·62	0·57	Ajmer.
	4			3	9	7		N 64° W		3·9			43*		75	+7	·793		4·9		8	5·10	+2·90	6·97	5·48	+1·49	27·40	25·51	+1·89	3·01	Kotah.
				1	13	3		N 77° W		2·6			53		72	0	·708		4·3		3	6·10	−3·10	1·29	4·91	−3·62	25·06	20·63	+4·43	0·87	Udaipur.
																															IX.—Bombay.
re	co	rd	ed.												73	−3	·774	−·004	4·8	−0·2	0	3·73	−3·73	0·03	3·98	−3·95	23·27	23·32	−0·06	0·02	Deesa.
1				6	16	6		N 86° W	N 87° W	10·4	12·2	−1·8	79	+1	71	−4	·729	−·057	6·5	+2·1	0	2·00	−2·00	0	1·68	−1·68	20·45	13·71	+6·74	0	Broj.

(a) Indeterminate.

* Uncorrected for scale error.

† Mean of 28 days.

‡ Mean of 25 days

Tal

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

Number of subdivision.	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
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	29·703		29·709	29·777	13th	29·582	29th	·195	82·6	89·5		73·7		81·6		15·8	98·7	30th	70·8	13th	2
	Dwarka	37 ?	29·740		29·723	29·250	19th	29·622	29th	·228	79·6	84·3		77·0		80·9		7·8	83·3	13th & 20th.	75·2	19th, 22nd & 25th.	1
	Rajkot	429	29·337	−·047	29·716	29·441	19th	29·205	29th	·236	79·5	91·5	+0·1	72·2	−0·2	81·9	−0·1	19·3	99·1	29th	68·5	14th	30
	Veraval	*18*	29·773	−·049	29·734	29·873	19th	29·621	29th	·252	79·5	83·4	−0·4	76·7	+0·4	80·1	0	6·7	85·1	27th	74·3	30th	1
	Bhavnagar Para	55	29·734	−·068	29·733	29·817	19th	29·585	29th	·232	81·0	93·1	+0·1	75·7	+0·1	84·4	+0·1	17·4	95·6	28th & 29th.	73·5	5 days	2
	Surat‡	89	29·742	−·058	29·724	29·825	19th	29·573	30th	·252	80·0	83·0	−0·5	76·6	+1·1	82·3	+0·3	11·4	91·1	29th	74·1	27th	1
	Ahmedabad‡	163	29·591	−·070	29·706	29·660	19th	29·466	7th	·191	80·7	92·3	+1·2	76·0	−0·2	84·7	+0·5	17·3	100·6	28th	73·7	6th, 15th & 16th.	2
26	Bombay	37	29·767	−·067	29·744	29·865	19th	29·576	30th	·289	78·3	84·0	−0·5	76·6	+0·1	80·3	−0·2	7·4	87·0	4 days	74·0	4 days	1
	Ratnagiri	110	29·709	−·054	29·759	29·790	19th	29·569	29th	·221	78·0	82·4	−1·8	74·0	−0·4	78·2	−1·1	8·4	84·8	9th	71·4	20th	1
	Goa	199	?	?	?	?	?	?	?	?	76·0	80·6	−2·0	74·5	−1·0	77·6	−1·5	6·1	83·1	14th	72·6	21st	1
	Mormugao	*60*	29·779	−·066	29·774	29·855	19th	29·667	29th	·188	76·9	81·1	−2·4	73·6	−1·5	77·4	−1·9	7·5	84·0	7th & 8th	70·7	21st	1
	Karwar	44	29·813	−·048	29·792	29·887	19th	29·722	29th	·165	75·6	80·8	−1·9	73·2	−0·7	77·0	−1·3	7·6	83·3	13th	71·0	21st	1
27	Malegaon	1,430	28·333	−·051	29·709	28·401	19th	28·178	30th	·223	75·8	85·8	−2·1	70·9	+0·7	78·3	−0·7	14·9	89·4	1st	68·1	5th, & 6th	2
	Ahmednagar	2,154	27·664	−·039?	29·735	27·734	23rd	27·522	30th	·212	73·0	81·8	−3·4	67·9	−0·1	74·9	−1·7	13·9	87·4	13th	61·0	10th	2
	Poona	1,846	27·960	−·057	29·742	28·032	19th	27·807	30th	·225	73·5	82·2	−2·2	69·2	+0·6	75·7	−0·8	13·0	86·0	30th	64·3	10th	2
	Sholapur	1,590	28·188	−·073	29·719	28·244	23rd	28·069	29th	·175	73·6	83·7	−4·7	70·4	0	77·0	−2·3	13·3	90·3	11th & 12th.	67·4	8th & 9th	2
	Bijapur	*1,948*	27·847	−·068	29·726	27·901	23rd	27·743	29th	·158	72·5	82·9	−3·0	65·2	−0·4	76·0	−1·7	13·7	88·7	11th & 12th.	66·7	10th	22
	Belgaum‡	2,539	27·280	−·059	29·731	27·346	19th	27·169	29th	·177	69·6	77·3	−1·6	65·2	−0·1	71·2	−0·9	12·1	81·3	11th, 12th & 29th.	62·0	11th	19
	X.—Central India.																						
21	Neemuch	1,624	28·112	−·052	29·674	28·201	26th	27·951	7th	·250	76·1	87·1	−0·8	72·2	+1·3	79·7	+0·3	11·9	92·0	20th & 27th.	69·7	25th	22
	Indore	1,823	27·919	−·054	29·682	27·993	23rd	27·779	7th	·214	73·9	83·2	−2·2	71·0	+0·9	77·1	−0·7	12·2	88·6	14th	67·6	11th	21
22	Nowgong	754	28·918	−·070	29·626	29·042	26th	28·728	7th	·314	79·8	88·9	−1·5	76·8	+1·8	82·8	+0·1	12·1	93·5	3rd	73·5	8th	20
	Sutna	1,040	28·624	−·071	29·613	28·741	26th	28·441	6th	·300	79·9	88·1	+0·1	76·4	+1·8	82·3	+0·9	11·7	92·0	20th	73·7	8th, 22nd & 27th.	18
	XI.—Central Provinces.																						
23	Buldana	2,132	27·647		29·736	27·714	24th	27·523	29th & 30th.	·191	72·3	80·3		69·0		74·7		11·3	84·7	30th	64·1	21st	20
	Akola	930	28·816	−·064	29·688	28·875	23rd	28·704	30th	·171	76·5	86·1	−3·0	72·9	+0·2	79·5	−1·4	13·2	91·2	1st	70·6	10th	20
	Amraoti	1,215	28·500	−·039	29·635	28·565	27th	28·395	6th	·170	75·4	85·3	−3·1	72·0	−0·1	78·7	−1·6	13·3	89·3	1st & 2nd	69·8	9th & 16th.	19
24	Khandwa	1,044	28·693	−·056	29·691	28·761	24th	28·568	7th	·196	76·3	85·7	−1·4	74·3	+1·1	80·5	−0·1	12·4	91·2	15th	72·1	17th & 18th.	19
	Hoshangabad	1,005	28·708	−·068	29·666	28·789	24th	28·560	7th	·229	77·0	85·6	−2·5	73·4	+0·1	79·5	−1·2	12·2	90·6	15th	70·4	8th	20
	Saugor	1,807	27·883	−·074	29·625	27·982	26th	27·700	7th	·282	76·2	85·4	−1·2	72·6	+1·1	79·0	−0·1	12·8	89·1	20th	70·0	22nd	19
	Jubbulpore	1,327	28·363	−·063	29·635	28·454	26th & 27th	28·212	6th	·242	76·7	85·8	−1·6	73·7	+0·9	79·7	−0·3	12·1	90·3	19th & 20th,	70·8	8th	19
	Seoni	2,033	27·698	−·051	29·654	27·775	26th & 27th,	27·563	7th	·212	75·2	83·2	−2·4	70·0	+0·3	77·0	−1·1	12·3	88·0	2nd	68·5	8th	19
	Nagpur	1,017	28·685	−·062	29·651	28·764	26th	28·578	7th	·186	77·6	87·0	−2·3	74·0	+0·2	80·5	−1·1	13·0	91·1	3rd	70·8	16th	23
25	Pendra	2,123?	27·638		29·613	27·772	27th	27·505	7th	·267	75·9	84·4		71·0		78·1		12·5	87·8	2nd & 20th,	70·2	20th & 24th.	17
	Raipur	970	28·721	−·060	29·637	28·819	26th	28·569	6th	·250	74·7	87·1	−1·1	74·8	0	80·9	−0·5	12·3	90·7	3rd	71·6	26th	19
	Chanda	*634*	29·071	−·073	29·654	29·148	27th	28·963	7th	·185	78·3	86·1	−3·0	74·2	−0·3	80·1	−1·7	11·9	91·5	1st & 3rd.	72·0	4 days	19
	Jagdalpur		27·929		29·655	28·031	26th	27·804	6th	·227	76·7	84·5		72·4		78·4		12·1	87·7	5 days	70·6	13th	17
	XII.—Hyderabad.																						
28	Aurangabad	1,945	27·839	−·073	29·729	27·953	12th	27·761	30th	·192	73·3	82·3	−4·2	68·9	+0·2	75·6	−2·0	13·4	85·2	6 days	65·2	7th & 9th,	20
	Nizamabad	1,248	28·485	−·053?	29·676	28·546	19th	28·401	29th	·145	75·0	85·1	−1·8	71·8	−0·8	78·5	−1·3	13·3	90·9	3d	69·2	15th	21

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

—continued.

India, etc., in September, 1910—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 May to 30th September, 1910.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September, 1910.	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
						13	12	5	S 77° W		13·5			84		72		·805		3·3		1			0·26			29·35			0·20	**IX.—Bombay**—*concld.* Jamnagar.
2	1				2	9	12	4	S 78° W		9·9			69		82		·837		5·1		0			0·19			13·78			0·07	Dwarka.
1	1					8	16	4	S 86° W	N 87° W	10·1	9·1	+1·0	79	+ 5	79	− 3	·787	−·021	4·7	−0·1	3	5·10	−2·10	1·88	3·93	−2·08	33·27	27·13	+6·14	1·62	Rajkot.
5	1				1		19	4	N 83° W	N 86° W	9·3	7·9	+1·4	72	+17	88	+ 3	·884	+·032	6·4	+0·7	4	4·60	−0·60	2·88	1·99	+0·89	17·30	16·78	+0·52	2·25	Veraval.
	1					5	17	7	N 84° W	S 63° W	7·1	10·8	−3·7	86	+13	75	− 7	·798	−·058	6·9	+1·2	2	7·80	−5·80	0·77	4·43	−3·66	24·69	18·70	+5·99	0·54	Bhavnagar Para.
6	5	1	2	1	2		11	1	N 65° W	S 73° W	§ 4·2	6·9	−2·7	32	−20	79	− 4	·815	−·046	7·3	+1·6	3	7·00	−4·00	1·10	7·01	−5·91	34·98	41·73	−6·75	0·58	Surat.
	1		1	1	2	9	3	12	N 89° W	N 68° W	4·1	3·9	+0·2	55	− 2	76	− 2	·783	−·031	6·3	+0·5	1	5·80	−4·80	1·04	4·77	−3·73	24·76	31·79	−7·03	0·99	Ahmedabad.
	1	2	4	7	4	1	9	2	S 8° W	S 56° W	* 8·5	10·8	−2·5	20	+ 5	89	+ 2	·871	−·009	8·0	+0·7	17	14·00	+3·00	15·25	11·75	+3·50	63·43	72·21	−8·78	4·76	Bombay.
9	4	2	3	4		2	4	2	N 9° E	S 73° W	6·6	6·8	−0·2	9	+ 2	88	+ 1	·828	−·021	7·5	+1·0	24	15·60	+8·40	17·10	12·52	+4·58	83·13	102·14	−19·01	2·82	Ratnagiri.
5	5	3	1	2	3	5	5	1	S 89° W	N 10° E	6·5	5·0	+0·9	16	+ 6	91	+ 2	·814	−·056	9·8	+2·4	23			14·97	8·37	+6·60	88·33	91·24	−4·9[illegible]	3·35	Goa.
9	1	1	1	2	4	3	7	4	S 59° W	N 51° W	* 6·6	7·4	−0·8	27	−26	95	+ 4	·8[illegible]9	−·005	8·8	+3·0	22			13·20	8·34	+4·86	82·[illegible]8	85·[illegible]1	−2·93	2·25	Mormugao.
1	3	1		2	6	4	1	4	S 51° W	N 36° W	* 3·1	2·3	+0·2	20	−14	90	0	·814	−·019	7·2	+1·1	24	15·10	+8·90	16·15	12·76	+3·39	109·69	113·71	−4·02	2·10	Karwar.
2	2	1		1	1	2	13	5	N 81° W	N 81° W	7·2	9·1	−1·9	62	− 8	82	+ 5	·732	+·023	4·9	−0·7	12	7·80	+4·20	8·79	6·90	+1·89	27·93	21·62	+7·31	1·55	Malegaon.
4	5				1	1	4	15	N 43° W	N 70° W	* 8·3	12·5	−4·2	66	−23	83	+ 1	·669	−·016	2·9	−3·0	15	9·80	+5·20	12·44	6·98	+5·46	32·25	18·13	+14·12	2·42	Ahmednagar.
						3	27		S 86° W	N 87° W	9·3	11·1	−1·8	96	+26	85	+ 4	·694	+·015	7·9	+0·7	9	8·10	+0·90	6·06	5·00	+1·06	26·72	21·42	+5·30	1·74	Poona.
3						3	6	18	N 53° W	N 68° W	5·5	8·[illegible]	−3·1	76	+ 9	86	+ 8	·705	+·030	8·4	+1·1	15	9·50	+5·50	14·97	8·77	+6·20	27·12	24·41	+2·71	3·39	Sholapur.
	1					13	13	3	S 76° W	N 87° W	10·0	7·3	+2·7	82	+ 7	86	+ 2	·679	−·021	5·5	−1·8	13	9·70	+3·30	9·07	7·61	+1·46	21·12	17·44	+3·68	1·90	Bijapur.
	2					3	13	11	N 72° W	N 81° W	‖ 18·5	15·7	+2·8	79	+ 9	92	+ 3	·662	+·005	8·8	+1·3	11	9·10	+1·90	4·67	4·83	−0·16	36·75	39·89	−3·14	0·83	Belgaum.
																																X.—Central India.
	1					13	14	2	S 75° W	N 89° W	6·6	8·8	−2·2	86	+31	86	+ 8	·768	+·027	4·1	+0·7	9	6·50	+2·50	5·61	5·11	+0·50	29·88	28·69	+1·19	1·96	Neemuch.
		1		1			7	16	N 56° W†	N 60° W	5·9	4·1	+1·8	70	+18	90	+ 4	·756	+·008	8·2	+1·9	12	8·80	+3·20	7·36	7·68	−0·32	32·15	31·18	+0·97	1·07	Indore.
3	2	1	5		1	1	13	2	N 74° W	N 89° W	1·8	2·3	−0·5	27	−12	87	+ 6	·886	+·065	6·0	+1·1	10	7·00	+3·00	16·36	5·24	+11·12	40·27	41·43	−1·16	4·22	Nowgong.
	4		3	3	1	1	6	5	N 75° W	N 63° W	2·2	6·1	−3·9	10	−28	87	+ 7	·880	+·063	7·8	+1·9	9	8·70	+0·30	10·02	6·10	+3·92	33·26	40·55	−7·29	2·04	Sutna.
																																XI.—Central Provinces.
1		1		1	3	14	9		N 79° W		8·0	8·1	−0·1	70		83‡		·681‡		8·2		14			7·32	8·09	−0·77	32·73	31·46	+1·27	1·31	Buldana.
	3		1			17	9		N 65° W	N 69° W	§ 7·7	6·5	+1·2	72	− 2	82	+ 1	·755	−·006	8·9	+3·1	11	8·[illegible]	+2·60	6·98	6·52	+0·46	32·87	29·00	+3·87	1·44	Akola.
2	2		1		1	7	3		N 55° W	S 68° W	6·3	5·3	+1·0	46	−13	89	+ 4	·781	+·003	7·8	+1·8	13	7·30	+5·70	9·87	6·26	+3·61	36·80	30·03	+6·77	1·91	Amraoti.
	1					23	6		N 8[illegible]° W	N 79° W	8·2	6·4	+1·8	89	+11	86	+ 4	·773	+·022	7·9	+2·7	9	7·70	+1·30	6·09	6·58	−0·49	24·43	28·68	−4·25	1·77	Khandwa.
		2			6	8	4		S 77° W	S 51° W	3·3	2·6	+0·7	40	− 8	90	+ 3	·841	+·027	8·4	+2·3	19	10·50	+8·50	15·56	9·66	+5·90	51·39	48·49	+2·90	5·38	Hoshangabad.
	1	3	3		4	15	4		S 84° W	S 81° W	5·4	4·4	+1·0	49	+ 5	87	+ 4	·778	+·015	7·4	+1·9	15	9·70	+5·30	10·43	7·31	+3·12	35·48	44·84	−8·36	2·76	Saugor.
2	2	1	1	4	2	10	2		S 82° W	S 66° W	2·4	3·0	−0·6	33	0	89	+ 5	·814	+·014	7·7	+2·2	18	9·80	+8·20	14·82	7·90	+6·92	45·07	54·58	−9·51	3·04	Jubbulpore.
2	6	2	1	1	3	5	2		N 24° W	N 53° W	3·8	3·9	−0·1	17	−13	88	+ 4	·764	−·004	6·7	+2·2	15	11·90	+3·10	11·47	9·51	+1·96	50·68	40·72	+9·93	1·86	Seoni.
6	5	1		1	1	9	4		N 37° W	N 72° W	3·9	5·3	−1·4	46	+13	83	+ 3	·793	+·001	7·4	+1·0	14	10·30	+3·70	10·39	9·04	+1·35	53·14	44·00	+9·14	3·06	Nagpur.
9	1	2	4	4	1		5		N 13° E		4·2			20		89		·792		6·0		17			6·89			35·93			1·28	Pendra.
1		4	2	5	13	2	1		S 25° W	S 63° W	5·2	5·9	−0·7	49	+15	87	+ 3	·825	−·013	7·5	+1·0	12	10·60	+1·40	11·55	7·39	+4·16	60·91	46·12	+14·79	2·53	Raipur.
		1	1		9	12	5		S 80° W	N 79° W	5·7	4·0	+1·7	68	+42	85	+ 5	·833	+·023	7·7	+1·6	15	11·30	+3·70	14·37	9·48	+5·49	46·21	49·88	−3·67	4·00	Chanda.
2	6	1	8		6	3	6		N 45° W					10		86		·786		7·3		17			11·85			56·57			1·91	Jagdalpur.
																																XII.—Hyderabad.
1	1	1			1	12	11		N 65° W		10·7			69		85	+ 7	·691		8·7		14	9·60	+4·40	9·57	6·76	+2·81	29·14	24·23	+4·91	2·84	Aurangabad.
			1		5	6	3		S 75° W		5·2			37		88	+ 8	·760		5·9		13	10·30	+2·70	14·57	9·50	+5·07	39·30	36·32	+2·98	3·79	Nizamabad.

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

* Uncorrected for scale error.
† Wind observations for 29 days.

‡ Mean of 29 days.
‖ „ „ 26 „

§ Mean of 28 days.

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. 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 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*	27·524P		29·635P	27·607	12th	27·402	2nd	·205	72·6	81·3		70·1		75·7		11·2	86·8	11th	66·5	8th	20
29	Gulbarga	1,503	28·273	−·071	29·716	28·321	15th & 19th.	28·182	29th.	·139	73·9	83·5	−4·0	70·6	−0·3	77·1	−2·1	12·9	89·5	12th	67·3	9th	22
	Raichur	*1,311*	28·471	−·064	29·726	28·528	19th	28·377	29th	·151	74·5	84·9	−2·8	71·5	−0·7	78·2	−1·7	13·4	92·1	11th	69·1	15th	23
	Hyderabad (Deccan)	1,690	28·061	−·079	29·681	28·114	23rd	27·989	29th	·125	74·5	81·4	−2·3	71·8	+1·0	78·1	−0·7	12·6	90·8	12th	69·2	5th, 7th & 8th.	21
	Hanumkonda	87	28·851	−·077	29·673	28·900	19th & 27th.	28·777	6th	·123	78·3	85·8	−2·5	74·5	−0·1	80·2	−1·3	11·3	91·0	3rd & 8th	71·2	14th	19
	XIII.—Mysore.																						
30	Chitaldrug	2,405	27·434	−·061	29·753	27·489	19th	27·333	29th	·156	70·6	79·5	−4·0	66·5	−1·0	72·9	−2·5	13·0	83·6	24th	59·4	19th	24
	Hassan	3,149	26·751	−·045	29·824	26·803	19th	26·675	29th	·128	68·8	77·5	−2·3	64·1	−0·1	70·8	−1·2	13·4	81·4	19th	61·9	14th	19
	Bangalore	3,021	26·865	−·054	29·758	26·912	19th	26·777	29th	·135	69·0	79·2	−2·7	64·9	−0·4	72·1	−1·5	14·3	82·3	12th	62·3	30th	20
	Mysore	2,518	27·365	−·051	29·784	27·414	19th	27·296	29th	·118	71·5	81·8	−2·7	65·9	−0·5	73·9	−1·6	15·9	85·0	13th & 19th	64·0	18th	21
	XIV.—Madras.																						
31	Mangalore	65	29·809	−·057	29·806	29·868	19th	29·749	29th	·119	76·7	82·3	−1·8	69·9	−3·7	76·1	−2·7	12·4	86·3	8th	67·8	9th	18
	Calicut	27	29·859	−·048	29·815	29·904	19th	29·802	29th	·102	76·5	81·6	−2·7	74·1	−0·3	77·9	−1·5	7·5	84·3	12th & 17th	71·6	2nd	12
	Cochin	9	29·903	−·029	29·839	29·939	22nd	29·845	29th	·094	78·2	84·7	+0·1	71·3	−0·2	79·5	−0·1	10·4	86·7	7 days	72·2	9th & 22nd.	14
	Trivandrum	198	29·702	−·028	29·832	29·755	19th	29·631	12th	·124	76·6	81·2	−1·7	74·4	+1·3	77·8	−0·2	6·8	84·0	3rd	73·0	2nd & 26th.	11
32	Tinnevelly	168	29·679	−·038	29·776	29·723	19th	29·622	12th	·101	84·3	95·0	−2·8	78·1	−0·5	86·5	−1·7	16·9	99·7	19th	73·9	20th	23
	Pamban	37	29·788	−·059	29·753	29·836	19th	29·732	29th	·104	82·6	89·9	+0·9	78·1	−0·2	84·0	+0·3	11·8	91·2	11th, 12th & 16th.	75·5	26th	15
	Madura	447	29·393	−·028	29·770	29·439	19th	29·328	29th	·111	81·1	92·7	−2·6	73·5	−1·8	83·1	−2·2	19·2	94·9	28th	72·1	6 days	22
	Pudukkottai	318	29·496		29·746	29·543	18th	29·424	29th	·119	80·8	91·8		75·4		83·6		16·4	95·3	23rd	70·9	2nd	24
	Negapatam	31	29·780	−·060	29·739	29·818	4th	29·730	29th	·088	81·7	93·5	+1·0	77·3	+0·8	85·4	+0·9	16·2	96·5	12th	74·5	25th	22
	Trichinopoly	255	29·574	−·047	29·762	29·609	18th & 22nd.	29·509	29th	·100	81·0	94·1	−1·4	76·3	+0·6	85·2	−0·4	17·8	96·6	6 days	73·8	26th	22
	Coimbatore	1,341	28·497	−·051	29·772	28·532	18th	28·438	7th	·094	75·2	87·6	−2·0	70·1	−0·6	78·9	−1·3	17·5	90·4	20th & 21st	68·3	15th & 16th.	22
	Salem	940	28·918	−·050	29·795	28·961	19th	28·835	29th	·126	76·6	90·5	−0·8	73·1	+1·2	81·8	+0·2	17·4	93·5	18th	70·9	8th	22
	Cuddalore	37	29·767	−·077	29·734	29·815	18th	29·696	29th	·119	81·6	92·2	+0·3	76·6	+0·9	84·4	+0·6	15·6	94·6	4 days	72·2	24th	22
	Vellore	707	29·077		29·726	29·126	19th	28·988	29th	·138	79·5	89·4		75·2		82·3		14·2	92·7	11th	72·5	27th	20
	Madras	22	29·765	−·062	29·719	29·809	17th	29·691	29th	·118	81·3	91·6	−1·4	77·0	0	84·3	−0·7	14·6	95·0	8th & 23rd	71·5	13th	23
33	Cuddapah	433	29·363	−·060	29·735	29·426	19th	29·266	29th	·160	78·7	89·3	−3·2	74·3	−1·5	81·8	−2·3	15·0	95·7	11th	71·6	17th & 21st.	21
	Bellary	1,475	28·326	−·059	29·738	28·377	22nd	28·227	29th	·150	75·2	86·9	−3·7	72·2	−0·5	79·5	−2·1	14·7	92·0	13th	69·3	10th	22
	Kurnool	923	28·845	−·075	29·711	28·910	19th	28·747	29th	·163	75·6	86·3	−2·9	73·1	0	79·7	−1·5	13·2	93·7	12th	70·1	9th	23
34	Nellore	66	29·689	−·067	29·690	29·745	17th	29·620	7th	·125	81·4	91·8	−2·8	77·3	−0·4	84·6	−1·6	14·5	98·1	11th	73·6	17th	24
	Masulipatam	15	29·715	−·071	29·666	29·768	18th	29·626	6th	·142	81·3	88·5	−2·2	76·9	−0·5	82·7	−1·3	11·6	93·8	11th & 12th.	73·7	1st	20
	Cocanada	26	29·686	−·076	29·649	29·759	26th	29·569	6th	·190	80·7	88·8	−0·4	78·2	+0·1	83·5	−0·1	10·6	93·7	10th & 11th.	75·0	21st & 30th.	18
	Waltair (Vizag.)§	*226*	29·458	−·086	29·624	29·573	26th	29·316	6th	·257	80·9	87·1†		77·8†		82·4†		9·3	92·1	8th & 9th.	74·9	27th & 30th.	17
	Calingapatam	19	29·675		29·634	29·789	26th	29·508	6th	·272	81·7	89·1		78·7		83·9		10·4	95·4	9th	77·0	5 days	18
	Gopalpur	72	29·608	−·071	29·620	29·726	26th	29·412	6th	·314	81·0	87·5	−0·8	78·5	+0·2	83·0	−0·3	9·0	92·2	10th	75·5	27th	16

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 22 days. † Mean of 21 days.

-continued.

India, etc., in September, 1910—continued.

Wind direction. Number of winds from 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, 1910.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September, 1910.	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	49	50	51	52	53	54	55	56	57
																														XII.—Hyderabad *contd.*
1		1		3	2	17	N 54° W		10·0			60		85		·677		8·9		14	11·90	+ 2·10	17·33	9·21	+ 8·62	42·07	33·14	+ 8·93	5·06	Bidar.
1			1	2	7	15	N 57° W	N 54° W	8·3	10·8	−2·0	69	+11	82	+ 2	·639	−·022	6·4	−0·4	14	11·20	+ 2·80	12·53	9·33	+ 3·20	29·33	26·26	+ 3·07	2·95	Gulbarga.
				6	10	13	N 75° W	N 83° W	9·1	9·7	−0·6	79	+10	82	+ 2	·699	−·026	7·9	+1·2	14	9·80	+ 4·20	8·37	8·44	− 0·07	18·93	24·33	− 5·40	1·76	Raichur.
					11		W	N 83° W	4·5	5·6	−1·1	37	−30	82	− 1	·701	−·033	7·6	+1·1	10			5·61	6·04	− 0·43	21·71	25·74	− 4·03	1·94	Hyderabad (Deccan)
			2		7	13	N 63° W		5·7			59		80	+ 4	·779		7·9		14	10·30	+ 3·70	5·74	5·86	− 0·12	31·77	28·05	+ 3·72	1·84	Hanumkon
																														XIII.—Mysore
				9	17	4	S 82° W	S 85° W	8·7	8·8	−0·1	86	0	84	+ 2	·631	−·012	9·2	+1·1	9	6·90	+ 2·10	4·01	4·71	− 0·70	24·81	17·72	+ 7·09	1·03	Chitaldrug
				3	15	12	N 77° W	N 79° W	10·1	3·5	+6·6	93	+17	86	+ 4	·607	+·002	6·9	−1·3	7	7·40	− 0·40	3·90	4·68	− 0·78	25·26	22·08	+ 3·18	1·87	Hassan.
				8	19	3	S 83° W	S 82° W	9·4	7·0	+2·4	85	+ 8	87	+ 1	·617	−·015	8·6	+0·7	13	9·60	+ 3·40	6·20	6·23	− 0·03	30·16	22·92	+ 7·24	1·54	Bangalore.
				15	14	1	S 69° W	S 74° W	11·8	10·0	+1·8	89	+13	82	− 1	·630	−·005	8·7	+1·2	3	7·70	− 4·70	2·96	5·60	− 2·64	25·37	18·03	+ 8·34	1·42	Mysore.
																														XIV.—Madras.
1	6	2	3	3	5	1	S 4° E	N 52° E	4·1*	2·2	+1·9	14	+ 3	89	− 1	·819	−·026	7·8	+0·2	23	16·90	+ 6·10	11·87	10·32	+ 1·55	105·01	111·49	− 6·48	1·61	Mangalore
1		1		5	8	5	N 85° W	N 30° W	5·3	7·1	−1·8	46	+13	92	+ 4	·842	+·010	7·4	+1·1	16	12·20	+ 3·80	9·03	6·13	+ 2·93	79·25	94·37	−15·12	2·26	Calicut.
10	2		1		5	6	N 1° W	N 5° E	6·4*	5·1	+1·3	41	0	82	− 4	·781	−·064	6·2	+0·2	16	14·20	+ 1·80	6·57	8·98	− 2·41	81·67	85·04	− 3·37	0·76	Cochin.
1						23	N 34° W	N 16° W	7·2*	8·1	−0·9	80	+ 8	86	+ 2	·791	−·012	8·6	+1·8	17	7·10	+ 9·90	6·41	3·63	+ 2·78	36·67	36·14	+ 0·53	1·00	Trivandru
				3	15	11	N 75° W	N 74° W	9·2	7·5	+1·7	83	+11	86	− 4	·656	−·061	5·7	+0·3	0	2·00	− 2·00	0·02	1·30	− 1·28	6·62	3·98	+ 2·64	0·02	Tinnevelly
			6	12	7	3	S 55° W	S 42° W	11·9	9·7	+2·2	66	+14	78	+ 1	·857		4·0		0	2·20	− 2·20	0·07	1·31	− 1·24	6·36	2·96	+ 3·40	0·04	Pamban.
					14	15	N 64° W	N 23° W	7·5	2·9	+4·6	69	+11	69	+ 1	·727	−·010	7·0	+1·8	6	6·10	− 0·10	2·42	4·90	− 2·57	22·05	14·61	+ 7·41	0·89	Maturai.
					10	13	N 65° W		8·5			70		67		·700		7·0		7			7·85			27·63			2·01	Pudukkot
				4	26		S 81° W	S 72° W	7·5	5·5	+2·0	93	+22	74	− 1	·793	−·021	4·7	−1·0	3	5·60	− 2·60	2·26	3·45	− 1·19	17·80	12·10	+ 5·70	0·84	Negapata
				4	20	2	S 87° W	N 87° W	5·7*	6·4	−0·7	79	+ 9	65	− 7	·681	−·069	6·2	+0·2	3	5·90	− 2·90	2·07	3·91	− 1·84	20·24	14·01	+ 6·23	1·21	Trichinop
				19			S 45° W	S 33° W	7·9	5·5	+2·4	59	−15	87	+ 3	·761	+·013	5·6	+0·3	1	3·20	− 2·20	0·45	1·32	− 0·87	6·89	7·60	− 0·71	0·38	Coimbato
			4	14	6	2	S 57° W	S 43° W	5·1	3·4	+1·7	72	+12	78	− 2	·716	−·055	4·3	−1·6	3	8·70	− 5·70	0·68	6·55	− 5·87	25·37	25·48	− 0·11	0·23	Salem.
			3	14	9		S 55° W	S 84° W	6·0	2·6	+3·4	76	+ 6	74	− 8	·802	−·078?	6·7	+0·7	8	6·60	+ 1·40	8·42	6·21	+ 2·21	20·92	17·35	+ 3·57	3·90	Cuddalor
1	3	12	8				S 37° E		3·5			67		74		·745		6·1		7	8·60	− 1·60	7·29	6·14	+ 1·15	41·65	20·67	+20·98	3·10	Vellore.
			1	7	21	1	S 79° W	S 68° W	5·6*	6·0	−0·4	89	+19	79	+ 1	·813	+·001	6·2	−0·5	6	10·70	− 4·70	3·81	5·01	− 1·20	18·76	17·48	+ 1·28	1·44	Madras.
				2	15	12	N 75° W	N 84° W				82	+ 4	78	+ 4	·764	+·042	8·4	+1·2	14	8·30	+ 5·70	10·36	5·93	+ 4·43	36·34	20·95	+15·97	2·91	Cuddapa
				2	19	8	N 81° W	N 79° W	7·1	9·2	−2·1	86	+ 8	73	+ 3	·645	−·006	7·8	+0·4	11	6·90	+ 4·10	5·94	4·62	+ 1·32	18·42	12·38	+ 6·04	1·28	Bellary.
			2	11	6	11	S 85° W	N 88° W	10·0*			69	+21	84	+ 6	·743	+·009	7·7	+0·8	15	9·20	+ 5·80	10·51	6·60	+ 3·91	23·13	21·80	+ 1·33	3·20	Kurnool.
1				5	14	9	N 79° W	N 68° W	7·4*	6·7	+0·7	76	+17	77	+ 1	·815	−·034	8·0	+0·8	7	5·60	+ 1·40	2·72	4·35	− 1·63	10·40	12·81	− 2·41	0·73	Nellore.
			1	1	8	17	N 61° W	N 68° W	6·3	5·8	+0·5	76	+17	85	+ 1	·903	−·004	8·0	+1·0	14	9·40	+ 4·60	8·75	5·89	+ 2·86	31·24	24·53	+ 6·71	3·25	Masulipa
1				5	12	4	N 84° W	N 87° W	5·9	6·4	−0·5	59	− 6	88	+ 8	·925	+·065?	7·7	+0·3	8	9·00	− 1·00	8·43	5·89	+ 2·54	25·94	22·92	+ 3·02	2·66	Cocanad
2	2		1	10	4		S 53° W	N 86° W	6·2†			45	−22	79	− 2	·838	−·044	8·0	+0·7	11	8·80	+ 2·20	10·56	8·01	+ 2·55	37·54	24·16	+13·38	3·23	Waltair (Vizag.
5	1	2	2	4	4	9	N 54° W		4·9			27		86		·920		7·3		12			5·67			32·60			1·60	Calinga tam.
1		1	1	7		11	N 49° W	N 61° W	7·8	9·3	−1·5	49	+ 8	90	+ 5	·933	+·004	5·4	−1·2	18	9·90	+8·10	9·10	7·14	+ 1·96	40·43	31·03	+ 9·34	2·58	Gopalpu

* Uncorrected for scale error.

Tab

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

Number of subdivision.	Station.	Elevation of barometer 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 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
1.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
	Bay Islands.																						
1	P. V. Fraser	8	29·712		29·739	29·810	26th	29·490	6th	·350	84·2												
	Port Blair	58	29·765	—·057	29·753	29·849	15th	29·619	6th	·260	78·8	82·9	—2·2	75·3	—1·2	79·1	—1·7	7·6	87·2	1st	72·5	4th	
	Slipper Island	90	29·692		29·717	29·791	15th	29·519	6th	·272	79·8	84·1		74·9		79·5		9·2	86·6	2nd	66·1	4th	
	Kashmir.																						
14	Muzaffarabad	2,475	27·346		29·775	27·578	26th	27·234	10th	·344	76·9	85·9		75·8		80·8		10·1	92·1	22nd	70·1	30th	
	Srinagar	5,204	24·784	—·062	24·755	24·972	27th	24·673	11th	·299	61·4	83·0	+3·6	55·4	+2·4	69·2	+3·0	27·6	89·1	21st	46·1	29th	
	Gulmarg	*8,569*	21·834	—·050	21·802	21·963	27th	21·735	11th	·228	56·3	67·1	+4·0	43·9	+1·2	55·5	+2·6	23·2	72·2	21st	37·3	30th	
	Sonemarg	*8,764*	21·816		21·784	21·947	27th	21·718	2nd & 3rd.	·229	49·1	68·1		43·8		55·9		24·3	76·4	21st	35·1	28th	
	Dras	*10,059*	20·768	—·049	20·736	20·875	19th	20·669	11th	206	50·5	70·7	—0·3	39·4	—0·2	55·0	—0·3	31·3	77·9	24th	32·5	28th, 29th & 30th.	
	Leh	11,503	19·712	—·018	19·680	19·836	19th	19·612	6th	·224	52·4	70·9	+0·6	42·5	+1·0	56·7	+0·8	28·4	77·1	4th	35·5	29th	
	Skardu	*7,505*	22·786	—·063	22·756	22·972	27th	22·652	6th	·320	63·9	82·5	+4·6	56·0	+2·2	69·3	+3·4	26·5	87·9	21st	46·6	28th	
	Gilgit	4,890	24·972		24·945	25·158	30th	24·832	11th	326	73·3	90·1	+3·4	64·4	—0·1	77·2	+1·7	25·7	98·2	21st	57·2	28th	
	Baluchistan.																						
16	Quetta	5,502	24·572	—·031	24·532	24·670	27th	24·162	7th	·208	65·4	87·6	+2·2	43·7	—5·8	65·7	—1·8	43·9	92·6	21st & 22nd.	39·0	13th	
	Chaman	4,311	25·595	—·053	25·557	25·711	27th	25·392	7th	·319	76·5	90·4	—1·2	60·9	—3·9	75·7	—2·5	29·5	96·8	21st	53·7	11th	
	Robat		26·797		26·755	26·913	29th	26·691	5th	·222	79·7	97·9		67·5		82·7		30·4	107·0	20th	58·3	29th & 30th.	
	Hill Stations excluding Kashmir and Baluchistan.																						
	Chitral	*5,486*									61·8	85·5							94·7	22nd			
	Para Chinar	6,000	24·395		24·362	24·528	26th	24·289	7th	·239	71·6	82·3		58·8		70·6		23·5	89·5	21st	53·0	27th	
	Cherat	*4,256*	25·609	—·034	25·577	25·758	27th	25·502	7th	·256	73·2	83·9	—1·9	65·3	—0·6	74·6	—1·3	18·6	89·2	21st	58·5	30th	
	Murree	8,383	23·791	—·039	23·759	23·920	27th	23·577	3rd	·243	63·5	74·1	+0·3	60·7	+1·9	67·4	+1·1	13·4	77·1	5th	52·2	30th	
	Simla	7,232	23·060	—·030	23·022	23·184	27th	22·967	7th	·217	60·7	65·7	—0·4	57·5	+1·1	61·6	+0·3	8·2	69·2	29th	55·2	24th & 29th.	
	Sarain		23·097		23·059	23·217	27th	23·009	7th	·208	60·6	68·7		54·3		61·6		14·4	73·4	5th	48·3	29th	
	Kalabagh		20·127		20·089	20·232	26th	20·041	10th	·191	50·2	54·9		46·0		50·5		8·9	61·4	4th	41·3	23rd	
	Chakrata	7,022	23·243	—·016	23·203	23·368	27th	23·143	10th	·225	61·6	70·0	+1·3	58·0	+1·0	64·0	+1·1	12·0	76·3	5th	54·7	28th, 29th & 30th.	
	Muktesar	7,592	22·793	—·050	22·752	22·910	26th & 27th.	22·695	7th	·215	60·1	66·9	—2·4	55·2	—0·3	61·0	—1·3	11·7	72·0	5th	52·0	29th	
	Darjiling	7,376	22·956	—·073	22·911	23·097	26th	22·832	7th	·265	61·1	66·4	+2·3	57·2	+1·7	61·8	+2·0	9·2	73·8	4th	54·2	23rd & 24th.	
	Shillong	4,920	25·046		24·998	25·182	27th	24·849	7th	·283	68·1	76·0		61·7		68·8		14·3	81·9	7th	59·7	5 days	
	Cherrapunji	4,309	25·574		25·525	25·699	27th	25·399	7th	·300	69·5†	75·0		67·6†		71·3†		7·4	80·7	7th	62·1	16th & 25th.	
	Maymyo	3,545	26·337	—·055	26·282	26·414	15th	26·170	3rd	·244	69·8	77·3	—0·6	65·1	+1·0	71·2	+0·2	12·2	81·0	28th	61·6	12th, 27th & 30th.	
	Pachmarhi	3,528	26·298	—·065	26·245	26·384	24th	26·164	7th	·220	69·9	75·6	—1·6	66·9	+0·6	71·2	—0·5	8·7	80·0	4 days	63·6	8th	
	Mount Abu	3,945	25·930	—·053	25·880	26·022	19th	25·796	7th	·226	68·5	75·3	0	64·1	—0·5	69·7	—0·3	11·2	82·7	28th	60·9	5th, 6th & 21st.	
	Mercara	3,781	26·168	—·043	26·101	26·218	19th	26·119	29th	·099	63·2	69·1	—3·1	61·3	—0·6	65·2	—1·9	7·8	72·5	11th	59·5	9th	
	Ootacamund	*7,397*	22·993		22·929	23·027	19th	22·941	29th	·086	55·2	62·2		51·1		56·7		11·1	67·5	17th	48·2	13th	
	Kodaikanal	7,683	22·755	—·071	22·690	22·789	19th	22·710	29th	·079	56·4	61·9	—1·4	51·6	—0·6	56·7	—1·0	10·3	65·5	17th	48·5	6th	

† Mean of 29 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 for which exceed 3,000 feet.

B—*continued.*

in India, etc., in September, 1910—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, 1910.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September, 1910.	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
																																Bay Islands.
3	1	5	2	5	6	4	3	1	S 23° E					27		86		1·013		6·5		11			3·15			22·37			0·51	P. V. Fraser.
3				1	1	10	14	1	S 69° W	S 61° W	13·8	9·5	+4·3	72	+ 6	88	− 2	·864	−·061	9·4	+1·3	26			24·66	19·42	+5·24	75·79	64·90	−9·11	2·87	Port Blair.
				2	5	13	9	1	S 50° W		18·7			78		87		·885		9·0		24			19·29			46·38			2·87	Slipper Island.
																																Kashmir.
		2					16	12	N 67° W		0·1			83		68		·628		2·1		3			0·38			28·71			0·16	Muzaffarabad.
1				12	2			1	S 42° E	S 43° E	2·8	3·3	−0·5	10	+15	83	− 4	·449	−·019	1·4	−1·9	0	3·30	−3·30	0·20	1·11	−0·91	5·84	10·41	−4·57	0·09	Srinagar.
		3		1		1	1		S 57° E		3·3			7		76	− 5	·346		1·3		2			0·43	2·95	−2·52	16·38‡	15·37	+1·01	0·14	Gulmarg.
1	8	1		1	1				N 55° E		2·8			27		86		·307		3·7		5			1·30			11·90			0·30	Sonemarg.
1							4	2	N 66° W		6·1			17		69	+ 7	·254		1·9		1	2·00	−1·00	0·71	1·39	−0·68	4·78	6·98	−2·20	0·56	Dras.
				1	4				S 9° E	N 85° W	3·0	1·9	+1·1	17	−33	53	+ 5	·206	+·030	2·0	−1·6	3	0·50	+2·50	0·84	0·20	+0·64	1·90	1·53	+0·37	0·37	Leh.
	1	3		8	3	1			S 4° E		7·7			80		42	−19	·245		2·9		1	0·40	+0·60	0·16	1·04	−0·88	1·59	3·79	−2·20	0·13	Skardu.
					1	1			S 66° W		6·8			7		45	− 6	·366	+·019	2·4	−1·1	0	1·10	−1·10	0	0·25	−0·25	2·12	2·35	−0·23	0	Gilgit.
																																Baluchistan.
									(a)	S 45° W	1·4	2·2	−0·8			35	−15	·218	−·12	0	−0·2	0	0·20	−0·20	0	0·13	−0·13	0·55	2·32	−1·77	0	Quetta.
		1	3	6	7		2		S 15° W	S 8° E	6·1	7·8	−1·7	40	+ 2	29	+ 6	·263	−·006	0	−0·2	0	0	0	0	0	0	0·33	0·28	+0·05	0	Chaman.
	7	7	2	1	10				S 54° E		8·1			27		39		·396		0		0			0			0·01			0	Robat.
																																Hill Stations excluding Kashmir and Baluchistan.
									N 45° E		5·7			20		72		·401		0·7		2			0·56			3·86			0·37	Chitral.
6									N 82° W		4·0			5		49		·379		6·8		2	5·30	−3·30	0·46	2·63	− 2·17	21·25	12·46	+8·79	0·19	Para Chinar.
		1		1	1	1	3		N 82° W		6·1	7·9	−1·8	10	+ 5	58	0	·475	+·007	1·3	−0·6	1			0·27	1·80	− 1·53	34·32	11·83	+22·49	0·23	Cherat.
4	1		2	3	2	2	3		N 74° W	S 32° W	3·2	5·7	−2·5	17	− 2	71	+ 6	·420	+·03	2·3	−0·2	1	8·00	−7·00	0·42	5·62	− 5·20	37·96	37·58	+0·38	0·37	Murree.
3			2	1	1		6		N 40° W	N 37° W						85	+ 9	·449	+·052	6·1	+2·1	14	8·70	+5·30	12·18	5·87	+ 6·31	69·69	51·29	+18·40	2·83	Simla.
																						13			19·81			51·04			10·06	Sarain.
	3				4				S 45° W		1·7†			3		83		·441		6·4												
											6·2			37		86		·312		8·4		15			23·94			68·24			9·79	Kalabagh.
1			11	4			2		S 34° E																							
5	1		2	1	1		1		N 12° E	N 21° E	3·1	6·0	−2·9	11	− 2	91	+ 8	·502	+·052	6·8	+3·1	8	8·30	−0·30	12·01	6·10	+ 5·91	75·50	56·55	+19·04	5·78	Chakrata.
											6·5			20		91	+ 9	·471		7·1		16			10·57	6·29	+ 4·28	54·09	38·66	+15·43	2·48	Muktesar.
	3	7	4		1	5			S 78° E		0·6	3·7	−3·1	7	−12	91	− 3	·492	+·018	8·0	−0·5	15	17·71	−2·71	17·16	18·95	− 1·79	103·97	111·83	−7·86	3·77	Darjiling.
	2	1	2		1	1			S 72° E	S 89° E	4·3			13		83		·568		6·0		18	17·50	+0·50	11·02	13·67	− 2·65	79·10	65·58	+13·52	2·00	Shillong.
			3	1	1				S 21° E		1·5			20		92†		·652†		5·7		19	18·80	+0·20	24·78	51·49	−26·71	405·91	374·47	+31·44	3·60	Cherrapunji.
2	1	9	2	4	2	4	1		S 56° E		1·6			10		92	+ 2	·679		5·4		15	15·20	−0·20	11·44	9·06	+ 2·38	49·84	44·32	+5·52	1·60	Maymyo.
		5			1	1			S 78° E		7·6	6·2	+1·4	49	+ 5	92	+ 9	·666	+·039	7·6	+1·0	19	13·80	+5·20	22·06	14·09	+ 7·97	71·53	71·30	+0·23	4·33	Pachmarhi.
1	2		3		8	7	12		N 65° W	N 85° W	7·9	7·9	0	56	+12	82	+ 2	·582	+·011	6·3	+1·7	0	8·00	−8·00	0·05	9·12	− 9·07	57·61	59·76	−2·15	0·03	Mount Abu.
2	3	1			19	3	2		S 62° W	S 70° W	8·6	7·2	+1·4	89	+15	99	+ 7	·565	−·009	9·6	+1·1	27	18·00	+9·00	17·73	10·48	+ 7·25	104·66	110·32	−5·66	1·38	Mereara.
1						19	10		N 73° W	N 67° W	8·0			88		90		·392		8·4		7	10·10	−3·10	4·09	4·44	− 0·35	35·09	27·19	+7·90	2·23	Ootacamund.
1					5	20	4		N 89° W		15·9*			86		81	+ 1	·372		5·7		8	12·40	−4·40	4·32	6·98	− 2·66	40·35	27·06	+13·29	1·37	Kodaikanal.
					1	17	10		N 75° W																							

* Uncorrected for scale error.

(a) Indeterminate.

‡ Rainfall since 29th May, 1910.

Tabl

(2) *Abstract of observations taken at 8 hr*

Number of subdivision.	Station.	Elevation of barometer 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
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	29·915		29·846	29·955	15th	29·852	7th	·103	82·2	87·5		74·5		81·0		13·0	90·0	23rd&29th	72·5	15th & 28th,	17
	Penang (a)	20	29·915		29·860	29·999	15th	29·853	6th	·146	81·0	87·6		75·9		81·7		11·7	91·0	11th	70 0	4th	21
	Trincomalee	99	29.661?	—·106?	29·689?	29·695	22nd	29·597	28th	·093	76·9	91·1	—0·1	75·1	—1·5	83·1	—0·8	16·0	96·0	12th	71·0	12th	25
	Colombo	24	29·875	—·051	29·825	29·922	19th	29·830	12th&28th	·092	78·1	85·5	—0·5	76·0	—1·0	80·7	—0·7	9·5	87·0	6 days	72·5	14th	11
	Minicoy	7	29·927			29·989	19th	29·873	29th	·116													
	Amini Divi	*13*							Observations not received.														
	Gyantse	13,120	17·041		17·002	17·141	26th	16·982	6th	·159	50·6	71·7		40·3		56·0		31·4	79·3	3rd	31·2	25th	48
	Pharijong	14,400									44·5	62·4		24·4		43·5		38·0	68·9	2nd & 21st	23·0	30th	45
	Gangtok	5,660?									67·1	74·9		61·5		68·2		13·4	81·3	2nd	57·5	24th	23
	Gartok (c)	14,240	17·731			17·826	13th, 16th & 18th.	17·525	30th	·301	43·0	60·7		31·9		46·3		28·8	76·8	14th	19·3	24th	57
	Kashgar (c)	4,255	25·560			25·690	23rd	25·330	5th & 6th	·360	65·9	82·6	+1·0	59·1	+2·2	70·8	+1·6	23·5	89·3	21st	52·8	12th	36
	Kabul								Observations rejected.														
	Meshed	3,104	26·806		26·784	27·107	28th	26·688	5th	·419	63·9	82·7		40·4	—13·9	61·5		42·3	95·4	19th	29·8	30th	66
	Jask	13	29·685	—·063	29·651	29·818	2.th	29·527	7th	·291	83·2	92·5	—1·0	80·6	—0·3	86·6	—0·7	11·9	97·8	5th	74·8	29th	23
	Muscat	20	29·694	—·061	29·662	29·832	27th	29·545	7th	·287	86·9	94·9	+7·7	83·8	+0·4	89·3	+4·1	1·1	102·8	8th	80·1	20th&28th	2
	Bahrein	18	29·704		29·674	29·822	28th	29·570	8th	2·52	88·5	93·7		82·7		88·2		11·0	99·1	4rh	75·0	26th	21
	Bushire	14	29·674	—·055	29·649	29·813	27th	29·559	8th	·254	85·4	93·2	—1·1	79·7	+0·6	86·5	—0·3	13·5	98·8	12th	72·0	25th	26
	Busran	25	29·703		29·683	29·818	27th	29·590	5th	·258	82·9	100·2		77·8		89·0		22·4	106·3	3rd	66·1	30th	40
	Kerman										61·9	90·8		49·2		70·0		41·6	97·9	19th	43·0	23rd	54
	Ispahan (b)	*5,817*	24·342			24·470	20th	24·230	9th	·240	70·0	89·4‡	—1·1‡	57·3	+2·3	73·4‡	+0·8	32·1	92·4	1st, 6th & 17th,	48·2	30th	44
	Tehran (b)	*4,009*	25·710			25·900	29th	25·600	4 days	·300	67·0	90·2	—0·5*	58·6	—6·3	71·4	—3·4	31·6	97·5	4th	47·0	29th	50
	Baghdad	127	29·621	—·052	29·718	29·747	23rd	29·454	8th	·293	78·7	102·3	+0·4	72·0	+0·3	87·2	+0·3	30·3	112·9	2nd	58·5	29th	54
	Beirut †	111			29·852						80·1	85·6		72·5		79·1		13·1	89 2	27th	66·0	29th	23
	Aden	94	29·702	—·035	29·727	29·797	27th	29·617	7th	·180	87·0	93·6	0	83·7	+1·5	88·6	+0·7	9·9	95·8	21st&23rd	79·9	19th	15
	Perim	201	29·588	—·020	29·722	29·677	27th	29·544	7th&11th	·133	87·0	93·9	—0·9	84·0	+0·9	89·0	0	9·9	98·2	20th	80·1	2nd	18
	Zanzibar	72	30·069	+·003	30·068	30·109	4th	30·037	21st	·072	75·8	82·8	+0·9	74·3	+0·9	78·6	+0·9	8 5	85·1	24th	71·3	2nd	13

N.B.—The 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.

(a) 9 hrs. observations. (b) Aneroid uncorrected.

† 8½ " " (c) Aneroid corrected.

—concluded.

238 stations in India, etc., in September, 1910—concluded.

Wind direction. Number of winds from N. (26)	N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction (34)	Normal direction (35)	Wind velocity. Mean velocity, miles per hour (36)	Normal (37)	Departure from normal (38)	Wind steadiness. Actual percentage (39)	Departure from normal (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal (42)	Mean vapour tension at 8 hrs. in inches of mercury (43)	Departure from normal in inches of mercury (44)	Cloud. Mean amount at 8 hrs. (45)	Departure from normal (46)	Rainfall. Number of rainy days (47)	Normal number of rainy days (48)	Departure from normal (49)	Rainfall of month (50)	Normal rainfall of month (51)	Departure from normal (52)	Total rainfall from 1st May to 30th September, 1910 (53)	Normal rainfall for period, 1st May to 30th Sept. 1910 (54)	Departure from normal of period, 1st May to 30th Sept. 1910 (55)	Heaviest rainfall during month (56)	Sta (5)
																															Extra
		2	7	2	3		1	S 27° E		6·1			30						5·9		8			10·90			38·61			2·86	Singap
4	5	1	1	3			6	N 83° E		10·7			27								8			5·39			39·82			2·11	Penang
					30			S 45° W	S 43° W	10·7*	12·8	−2·1	96	+ 2	78	− 2	·720	−·1452	5·0	+2·0	6			7·91	4·56	+3·35	19·83	15·14	+4·69	3·62	Trincon
1					14	16		S 70° W	S 57° W	6·7*	9·2	−2·5	82	+ 1	85	+ 7	·823	−·029	7·4	+1·4	6			2·25	4·82	−2·57	18·83	32·90	−14·07	1·10	Colomb
					3	19	8	N 84° W	N 75° W	8·7	11·6	−2·9	90						5·5		15			11·88	5·97	+5·91	50·81	34·12	+16·69	2·68	Minico
												Obser	vations	not	rec	eived.															Amini
1	3	6						S 69° E		1·9			27		65		·239		2·7		6			1·53			9·28			0·53	Gyantse
2	1	9	12	3	2	1		S 9° E		8·0‡			60		83		·243		5·5		6			1·81			12·00			0·31	Pharijo
1			1					S 71° E		1·0			2		89		·589		3·4		24			13·64			90·84			2·45	Gangto
1		3	1	1				S 18° E		7·9‡			10						2·4		0			0·02			3·85			0·02	Gartok.
				2				S 45° W	N 29° W	0·7‖	3·0	−2·3	3		68		·437		3·1		1			0·58	0·43	+0·15	2·01	3·01	− 1·00	0·54	Kashga
												Obser	vations		rej	ected.															Kabul.
		1	1					S 27° E		1·6			7		43		·253		0·1	−0·5	1			0·10	0·02	+0·08	1·42	1·01	+ 0·41	0·10	Meshed
1	20	1					4	N 75° E	S 81° E	8·2*	13·4	−5·2	62	− 1	77	+ 4	·873	−·052	0·9	−0·6	0			0	0	0	0	0·13	− 0·13	0	Jask.
1	10					1	8	N 27° E	N 72° E	4·2	3·8	+0·4	27	− 2	72	− 5	·918	−·012	1·2	+0·2	0			0	0	0	0	0·40	− 0·40	0	Muscat
9	2	2				2	14	N 24° W		5·7			73		66		·892		0·5		0			0			0·06			0	Bahrein
6	9	8	2				7	N 31° E	N 60° E	10·0	6·9	+3·1	46	− 6	71	+ 8	·863	+·037	0·6		0			0	0	0	0	0	0	0	Bushire
2		2			1	15	7	N 72° W		4·1			67		53		·605		0·3		0			0			0·59			0	Busrah.
3	1	2		4	5	5	5	N 55° W		2·9			41		61		·339					No ra	ingange.								Kerman
1	2	1		1	1	1	7	N 34° W	N 72° W	2·0‡	3·4	−1·4	23		38	−10	·271	−·104	0·4	+0·1	0			0	0	0	0·23¶	0·17	+ 0·06	0	Ispahan
11	2	1		2	3			N 27° E	N 62° E	2·8	2·8	0	47		58	−24	·382	+·071	0·8	+0·2	0			0	0·14	−0·14	0·45	0·97	− 0·52	0	Tehran.
1		1					16	N 30° W	N 11° W	·3 ††	2·4	+6·9	67	+15	36	−12	·362	−·145	0	−0·2	0			0	0	0	0·20	0·33	− 0·13	0	Baghdad
7				21				S 45° W					47		62		·612		1·1		2			0·37			0·87			0·21	Beirut,
13		7		6			1	N 86° E	S 56° E	7·9	9·6	−1·7	30	0	80	+ 5	1·011	+·079	3·3	−0·6	0			0·02	0·13	−0·11	0·14	0·50	− 0·36	0·02	Aden.
										9·5	12·0	−2·5			76	+ 2	·970	+·006	5·8	+2·0	1			0·24	0·01	+0·23	0·37	0·84	− 0·47	0·12	Perim.
		4	1	11	1			S 15° W	S 5° E	6·2	5·6	+0·6	77	− 9	81	− 2	·715	−·029	5·9	0	3			0·67	1·87	−1·20	17·58	18·17	− 0·59	0·20	Zanzibar

* Uncorrected for scale error.

‡ Mean of 29 days.
‖ " " 23 "
†† " " 28 "

§ Wind observations less 2.
¶ Rainfall for August, 1910, is not included.

Table C.—Abstract of observations taken at 8 hrs. at 39 fourth class stations in India, etc., in September, 1910.

Ta

Abstract of observations taken at 8

Number of subdivision.	Station.	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.	Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant 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
	II.—Eastern Bengal and Assam.																							
4	Bishnath	80·6	90·1	...	73·7	...	81·9	...	16·4	97·3	6th	69·7	25th	27·6	...	...	..	...	...	...	...	...	...	...
	Borjuli	81·6	91·2	...	75·5	...	83·3	...	15·7	97·8	6th	71·0	25th	26·8	...	...	...	...	...	...	...	...	...	...
	Chandkhira	81·0	91·2	...	75·0	...	83·1	...	16·2	95·4	12th	72·8	30th	22·6	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	79·0	91·2	...	74·8	...	82·0	...	16·4	101·3	7th	69·2	26th	32·1	...	...	...	...	...	...	...	...	...	...
	Dikom	79·4	89·8	...	75·6	...	82·7	...	14·2	98·0	7th	70·6	25th	27·4	...	...	...	...	...	...	...	...	...	...
	Golaghat	80·8	81·3	...	?	...	?	...	?	86·5	4th	?	?	?	...	...	...	...	...	...	...	...	...	...
	Hailakandi	79·3	91·3	...	75·5	...	83·4	...	15·8	96·0	7th, 28th & 29th.	73·0	1st	23·0	...	...	...	...	...	...	...	...	...	...
	Jorehat	80·9	88·9	...	76·3	...	82·6	...	12·6	95·1	9th	71·0	25th & 26th.	24·1	...	...	...	...	...	...	...	...	...	...
	Messa	82·6	95·1	...	75·0	...	85·1	...	20·1	101·4	7th	71·6	25th	29·8	...	...	...	...	...	...	...	...	...	...
	Panerihat	76·7	88·9	...	74·9§	...	81·9	...	13·9	93·6	6th	72·0	28th & 29th.	21·6	...	...	...	...	...	...	...	...	...	...
	Srimangal	82·5	91·4	...	76·1	...	83·7	...	15·3	96·3	28th	74·4	7th	21·9	...	...	...	...	...	...	...	...	...	...
5	Brahmanbaria	84·3	90·6	...	77·7	...	84·1	...	12·9	96·4	28th	72·9	30th	23·5	...	...	...	...	...	...	...	...	...	...
	Dam Dim	79·5	92·1	...	73·7	...	82·9	...	18·4	96·4	7th & 28th.	69·9	29th	26·5	...	...	...	...	...	...	...	...	...	...
	Goalundo	84·2	89·8	...	78·7	...	84·3	...	11·1	93·4	29th	75·4	24th	18·0	...	...	...	...	...	...	...	...	...	...
	Kalchini	81·7	89·8	...	73·7	...	81·7	...	16·1	95·1	6th & 30th.	70·9	27th, 29th & 30th.	24·2	...	...	...	...	...	...	...	...	...	...
	Nagrakata	80·5	89·2	...	74·4	...	81·8	...	14·8	95·1	6th	72·0	27th	23·1	...	...	...	...	...	...	...	...	...	...
	Pabna	83·9	90·5	...	72·2	...	81·3	...	18·3	94·0	4th	68·4	30th	25·6	...	...	...	...	...	...	...	...	...	...
	XI.—Central Provinces.																							
24	Chhindwara	74·8	82·9	...	70·3*	...	76·7*	...	12·6	87·2	3rd	67·9	27th	19·3	...	4	2	2	1	1	3	6	11	N 53° W
	XIV.—Madras.																							
33	Anantapur	76·5	86·6	...	71·9	...	79·3	...	14·7	93·5	13th	69·6	9th	23·9	...	...	...	...	...	...	...	...	...	...
34	Guntur	80·4	89·9	...	76·0	...	82·9	...	13·9	96·1	10th	72·9	21st	23·2	...	...	...	...	...	...	...	...	...	...
	Bay Islands.																							
	Car Nicobar	...	...	...	...	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kashmir.																							
14	Jammu	82·8	93·6	...	76·8	...	85·2	...	16·8	98·1	21st & 22nd.	71·4	11th	26·7	...	14	8	1	4	3	...	...	...	N 33° E
	Kargil	62·6	80·8	..	54·4	...	67·6	...	26·4	88·1	4th	46·2	30th	41·9	...	8	3	5	4	2	1	...	7	N 22° E
	Hill Stations, exclusive of Kashmir.																							
	Panighatta	80·0	87·9	...	73·3	...	80·6	..	14·6	94·7	7th	69·9	24th	24·8	...	...	...	...	...	...	...	...	...	...
	Kurseong	68·9	74·3	...	65·7	...	70·0	..	8·6	79·3	7th	62·2	24th	17·1	...	...	...	...	...	...	...	...	...	...
	Gnatong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lachung	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Mean of 27 days. § Mean of 24 days.

39 fourth class stations in India, etc., in September, 1910.

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
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, 1910.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September, 1910.		
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	...	·965	...	...	...	12	...	...	13·44	...	...	77·42	...	...	2·04	Bishnath.
...	...	...	...	...	87	...	·933	...	...	...	13	...	...	10·42	...	...	75·31	...	...	2·50	Borjuli.
...	...	...	...	...	90	...	·955	...	...	...	12	...	...	9·86	...	...	91·07	...	...	1·94	Chandkhira.
...	...	...	...	...	87	...	858	...	...	...	13	...	...	4·37	...	...	68·11	...	...	0·94	Doom Dooma.
...	...	...	...	...	90	...	·897	...	...	...	16	...	...	8·16	...	...	72·98	...	...	1·45	Dikom.
...	...	...	...	...	88	...	·930	...	...	...	15	...	...	4·92	...	...	60·78	...	...	0·93	Golaghat.
...	...	...	...	...	92	...	·915	...	...	...	13	...	...	14·95	...	...	98·18	...	...	4·00	Hailakandi.
...	...	...	...	...	88	...	·931	...	...	...	13	...	...	9·51	...	...	60·60	...	...	2·92	Jorehat.
...	...	...	...	...	84	...	·935	...	...	...	14	...	...	11·95	...	...	77·75	...	...	2·05	Messa.
...	...	...	...	...	94	...	·862	...	...	...	7	...	...	5·13	...	...	68·70	...	...	2·30	Panerihat.
...	...	...	...	...	85	...	·941	...	...	...	16	...	...	11·08	...	...	73·41	...	...	2·45	Srimangal.
...	...	...	...	...	80	...	·941	...	...	...	17	...	...	18·39	...	...	63·84	...	...	4·34	Brahmanbaria.
...	...	...	...	...	99	...	1·001	...	...	...	18	...	...	27·04	...	...	174·09	...	...	8·50	Dam Dim.
...	...	...	...	...	81	...	·942	...	...	...	10	...	...	5·16	...	...	50·38	...	...	1·14	Goalundo.
...	...	...	...	...	86	...	·939	...	...	...	18	...	...	24·14	...	...	158·06	...	...	5·00	Kalchini.
...	...	...	...	...	85	...	·880	...	...	...	19	...	...	21·65	...	...	162·44	...	...	2·81	Nagrakata.
...	...	...	...	...	83	...	·907	...	...	...	8	...	...	6·73	...	...	47·07	...	...	2·04	Pabna.
																					XI.—Central Provinces.
5·0	...	...	50	...	85	...	·733	...	5·9	...	14	...	...	13·05	...	...	45·22	...	...	2·13	Chhindwara.
																					XIV.—Madras.
...	...	...	...	...	84	...	·762	...	6·5	...	12	...	...	6·33	...	...	10·93†	...	...	2·42	Anantapur.
...	...	...	...	...	87	...	·897	...	8·1	...	19	...	...	10·99	...	...	30·18	...	...	1·77	Guntur.
																					Bay Islands.
...	...	...	...	...	...	...	...	...	...	...	22	...	...	16·95	...	...	68·64	...	...	2·23	Car Nicobar.
																					Kashmir.
...	...	...	57	...	64	...	·727	...	1·2	...	1	...	...	0·62	...	...	38·49	...	...	0·62	Jammu.
...	...	...	37	...	40	...	·226	...	3·1	...	0	...	...	0·08	...	...	1·62	...	...	0·07	Kargil.
																					Hill Stations, exclusive of Kashmir.
...	...	...	...	...	84	...	·853	...	...	...	19	...	...	26·31	...	...	146·54	...	...	4·69	Panighatta.
...	...	...	...	...	88	...	·613	...	...	...	20	...	...	26·19	...	...	147·58	...	...	4·45	Kurseong.
...	...	...	...	...	...	...	...	...	...	...	25	...	...	12·28	...	...	121·99	...	...	1·60	Gnatong.
...	...	...	...	...	...	...	...	...	...	...	14	...	...	4·73	...	...	21·73‡	...	...	0·75	Lachung.

† Total rainfall since 12th August, 1910.
‡ Rainfall for July and August, 1910, not included.

Table

Abstract of observations taken at 8 hrs.

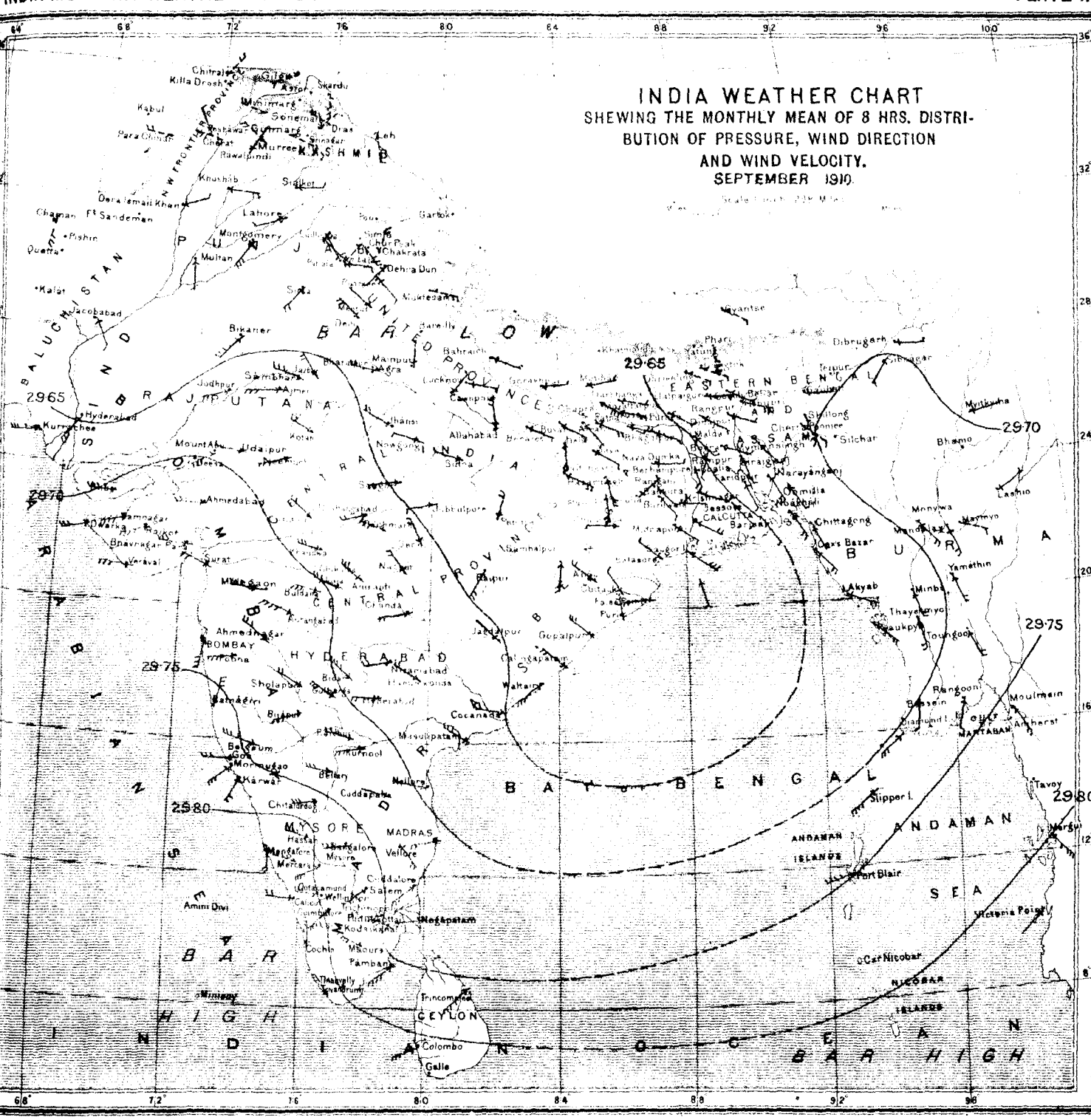
Number of subdivision.	Station.	Temperature of air.													Wind direction.										
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest 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
	Hill Stations, exclusive of Kashmir—*concld.*																								
	Ringim	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	73·0	...	47·0	...	60·0	...	26·0	79·0	21st	39·5	27th	39·5	10	...	...	3	3	...	4	9	1	S 60° W	...
	Kailang	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Drosh	70·1	88·7	..	64·3	...	76·5	...	24·4	98·2	20th & 23rd.	53·1	30th	45·1	9	1	7	3	7	...	2	...	1	N 85° E	...
	Pishin	...	88·9	...	49·8	...	69·3	...	39·1	95·2	22nd	45·1	14th & 26th.	50·1	...	...	...	...	...	...	...	...	...	...	...
	Kalat	65·1	85·9	+0·7	44·1	+4·6	65·0	+2·7	41·8	92·2	10th	35·9	29th	56·3	...	7	...	5	...	17	...	1	...	S 22° E	...
	Extra India.																								
	Ahwaz	...	104·6	...	79·0	...	91·8	...	25·6	110·4	3rd	68·6	24th	41·8	...	...	...	...	...	...	...	...	...	...	...
	Birjand	Observations not available.																							
	Chumbi	53·9	67·2	...	49·3	...	58·2	...	17·9	74·7	4th	42·5	26th	32·2	...	...	...	...	...	...	...	...	...	...	...
	Kirmanshah	72·4	89·2	...	51·3	...	70·2	...	37·9	96·0	1st	41·0	28th & 29th.	55·0	...	...	...	...	...	...	...	...	...	...	...
	Koweit	...	101·8	...	80·4	...	91·1	...	21·4	108·6	21st	67·2	30th	41·4	...	...	...	...	...	...	...	7	23	N 55° W	...
	Maidan	...	107·3	...	65·4	...	86·3	...	41·9	112·2	3rd	57·9	30th	54·3	...	...	...	...	...	...	...	...	...	...	...
	Muhammerah	...	101·6	...	77·7	...	89·6	...	23·9	106·2	12th	71·6	25th	34·6	...	5	...	...	1	5	4	...	7	N 82° W	...
	Pemba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

—concluded.

39 fourth-class stations in India, etc., in September, 1910—concld.

Wind velocity.		Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
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, 1910.	Normal rainfall for period, 1st May to 30th September.	Departure from normal of period, 1st May to 30th September, 1910.		
28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																				Hill Stations, exclusive of Kashmir—*concld.*
...	...	...	...	...	...	...	...	...	...	19	...	...	11·19	...	...	59·97*	...	...	1·34	Ringim.
...	...	27	...	...	...	...	...	4·6	...	1	...	...	0·34	0·45	—0·11	2·39	3·02	—0·63	0·23	Poo.
...	...	...	...	...	...	...	...	...	...	4	...	...	5·19	1·67	+3·52	10·07	8·32	+1·75	1·83	Kailang.
...	...	37	...	57	...	·410	...	0·7	...	4	...	...	0·92	...	...	5·96	...	...	0·50	Drosh.
...	...	...	...	...	...	...	...	0·1	—	0	0·10	—0·10	0	0·01	—0·01	0·53	0·46	+0·07	0	Pishin.
...	...	37	...	47	...	·298	...	...	...	0	0·10	—0·10	0	0	0	0·62	1·65	—1·03	0	Kalat.
																				Extra India.
...	...	...	...	...	...	...	...	0·9	...	0	...	...	0	...	...	0·13	...	...	0	Ahwaz.
								Observations not available.												Birjand.
...	...	...	...	84	...	·350	...	...	...	6	...	...	1·74	...	...	19·18	...	...	0·30	Chumbi.
...	...	...	...	30	...	·233	...	...	...	0	...	...	0	...	...	2·19	...	...	0	Kirmanshah.
...	...	93	...	...	...	...	...	...	...	0	...	...	0	...	...	0·45	...	...	0	Koweit.
...	...	...	...	...	...	...	...	...	...	0	...	...	0	...	...	0·50	...	...	0	Maidan.
...	...	23	...	...	...	...	...	...	...	...	...	...	0	...	...	0·38	...	...	0	Muhammerah.†
...	...	...	...	...	...	...	...	Rainfall observations not received.						...	...	...	...	...	...	Pemba.
...	...	...	...	...	...	...	...	Rainfall observations not received.						...	...	...	...	...	...	Prison Island.

* Rainfall for July, 1910, not included.
† Wind variable 8.

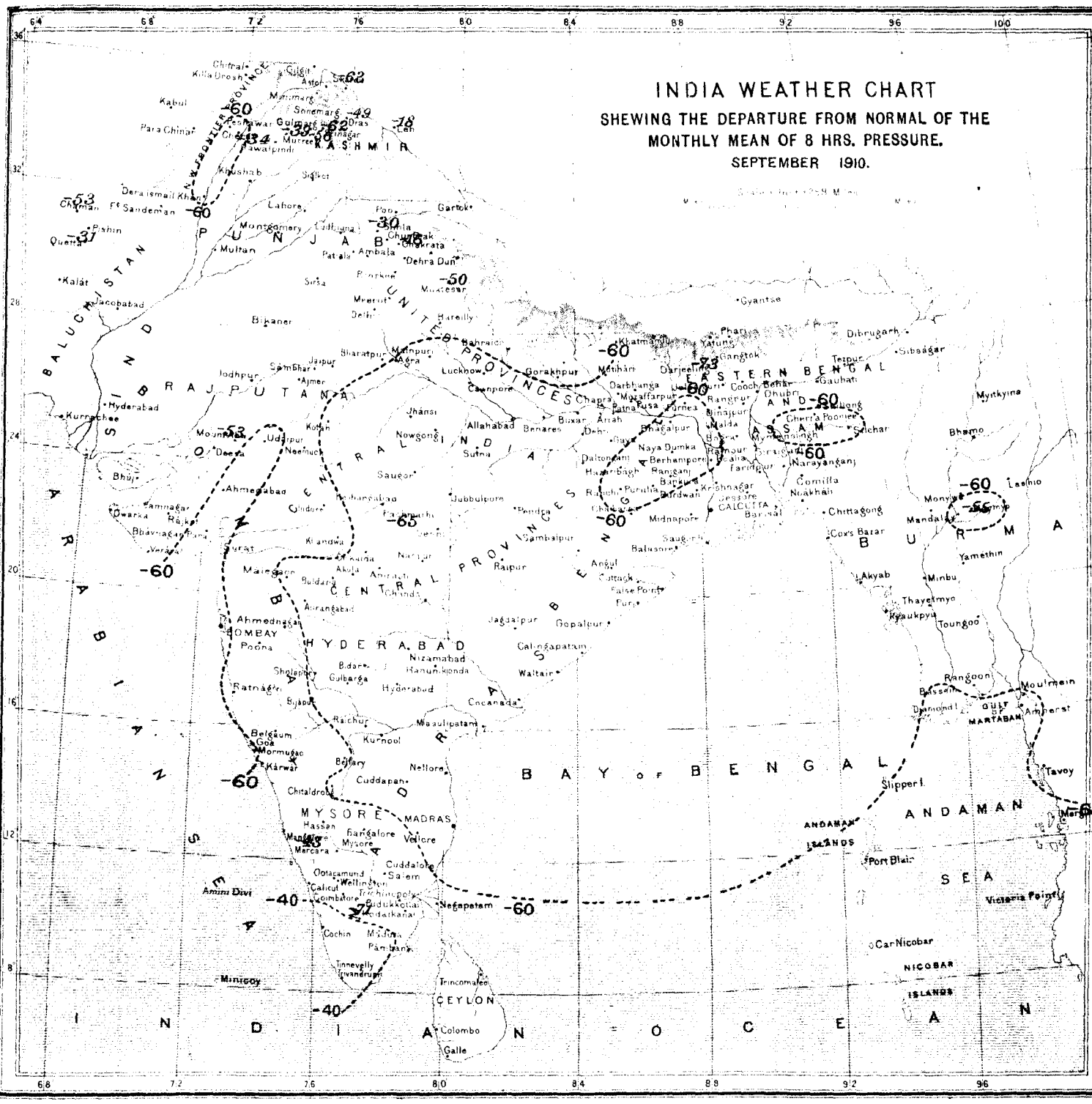


68 No. 4101 E. 10—2.—5,000 LITHO. BY S.G.M.

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	,,	,,	,,	,,	,,



Reg No 4101 E. 10—2.—[illegible]

LITHO BY S.S.M.

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.

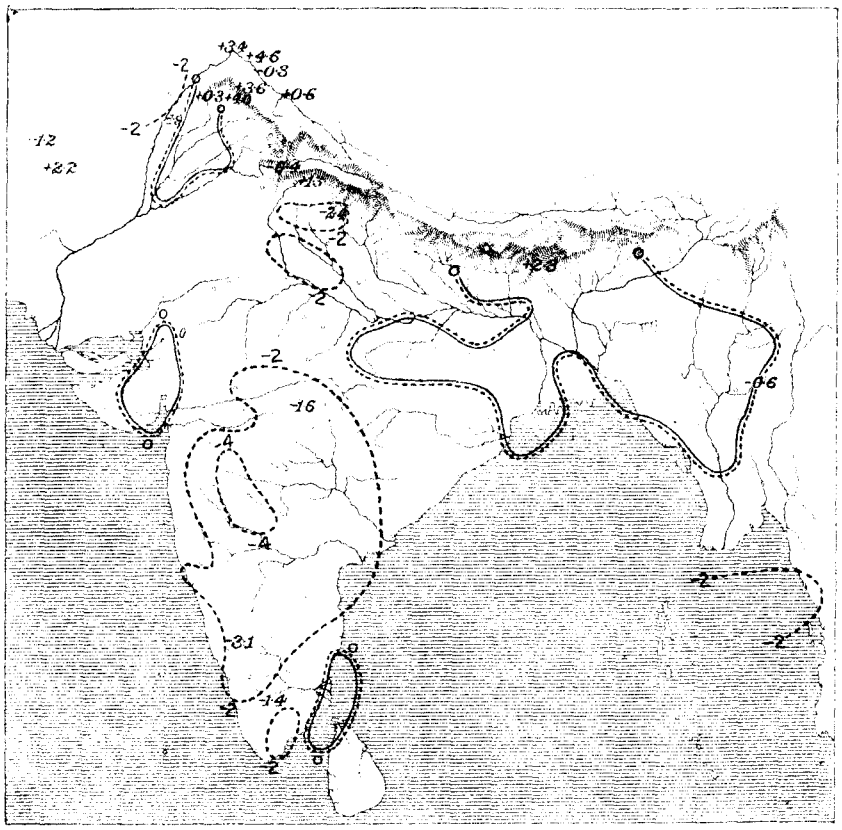


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

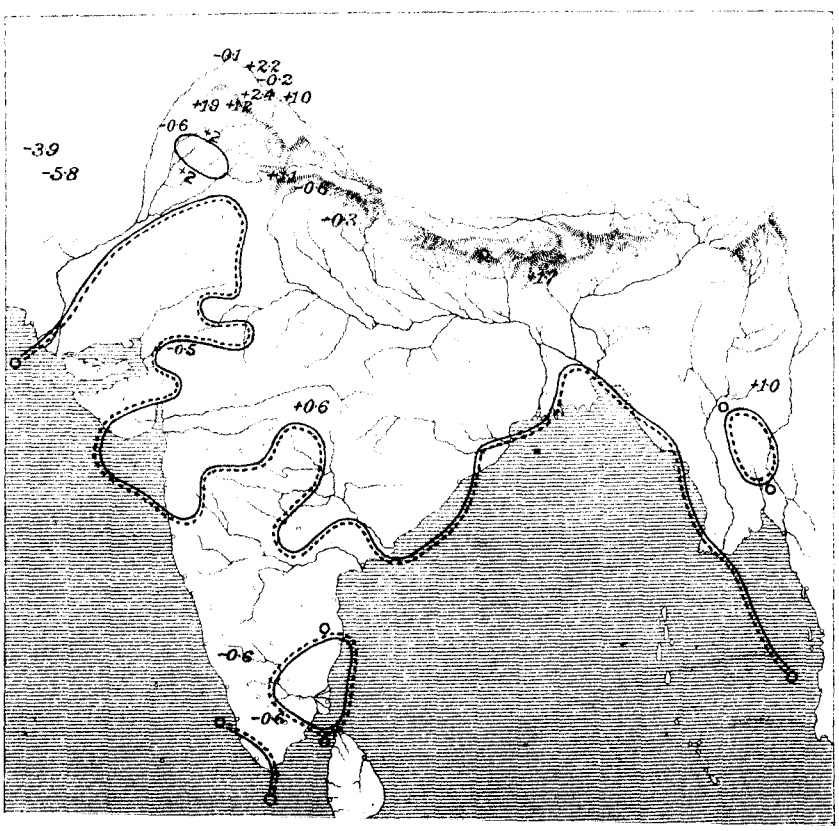


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MEAN TEMPERATURE.

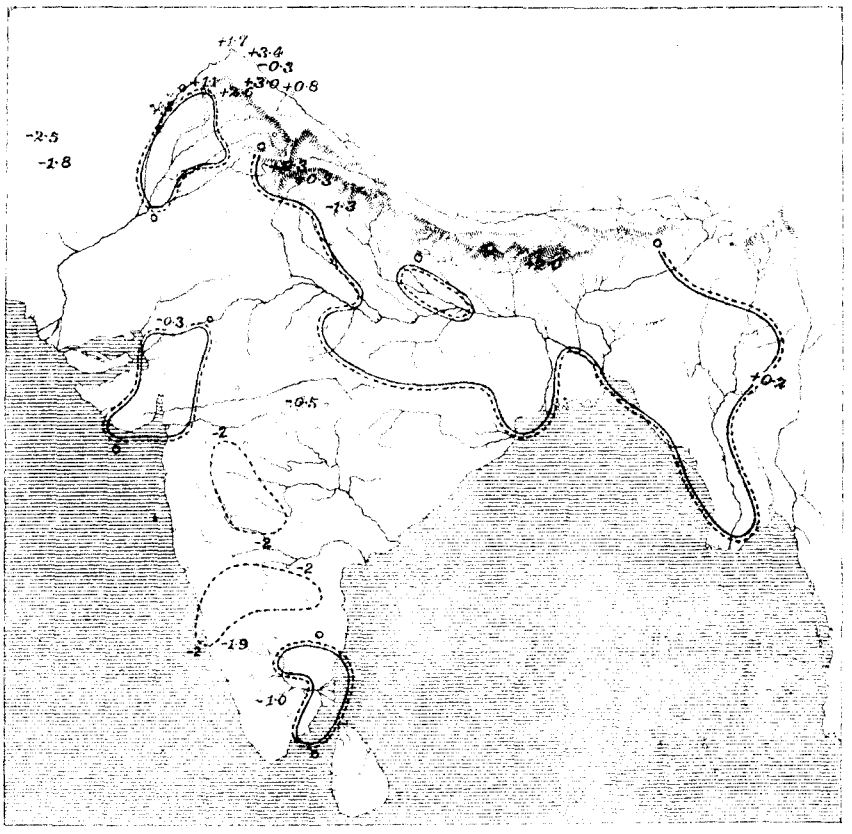


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.

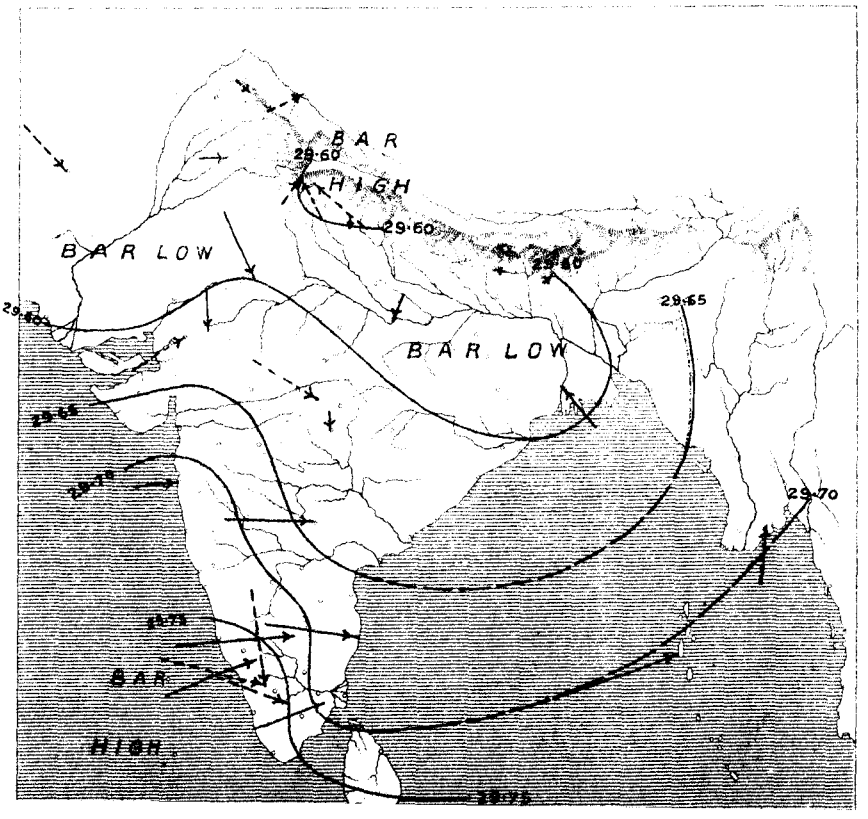


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF ABSOLUTE
HUMIDITY AT 8 HRS.

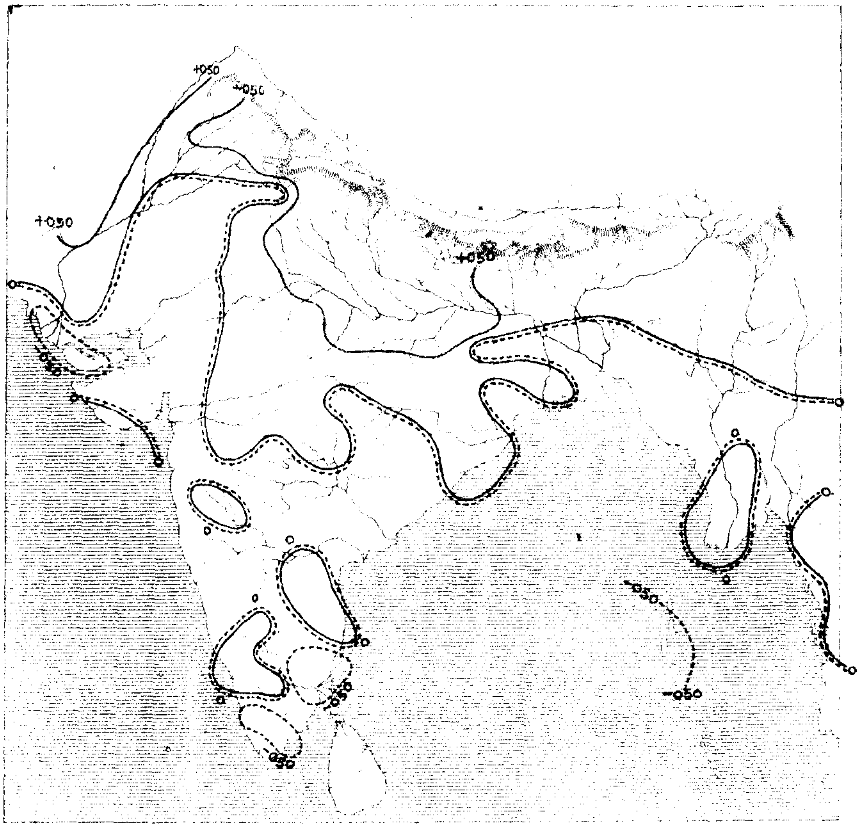


CHART SHEWING THE DEPARTURE FROM NORMAL
OF THE MONTHLY MEAN OF RELATIVE
HUMIDITY AT 8 HRS.

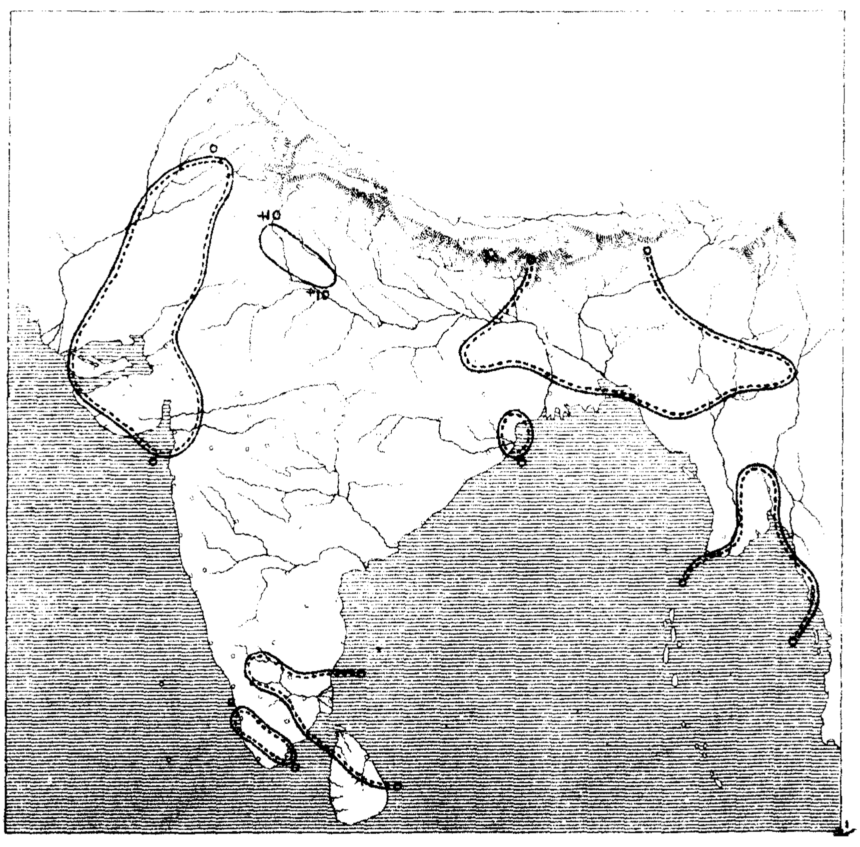


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

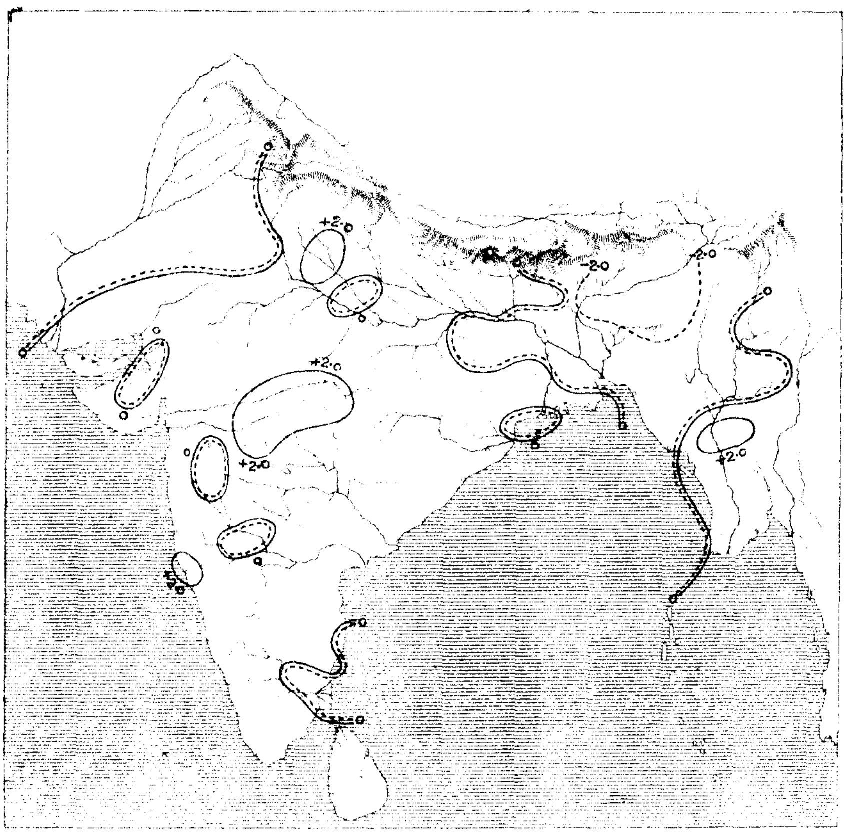
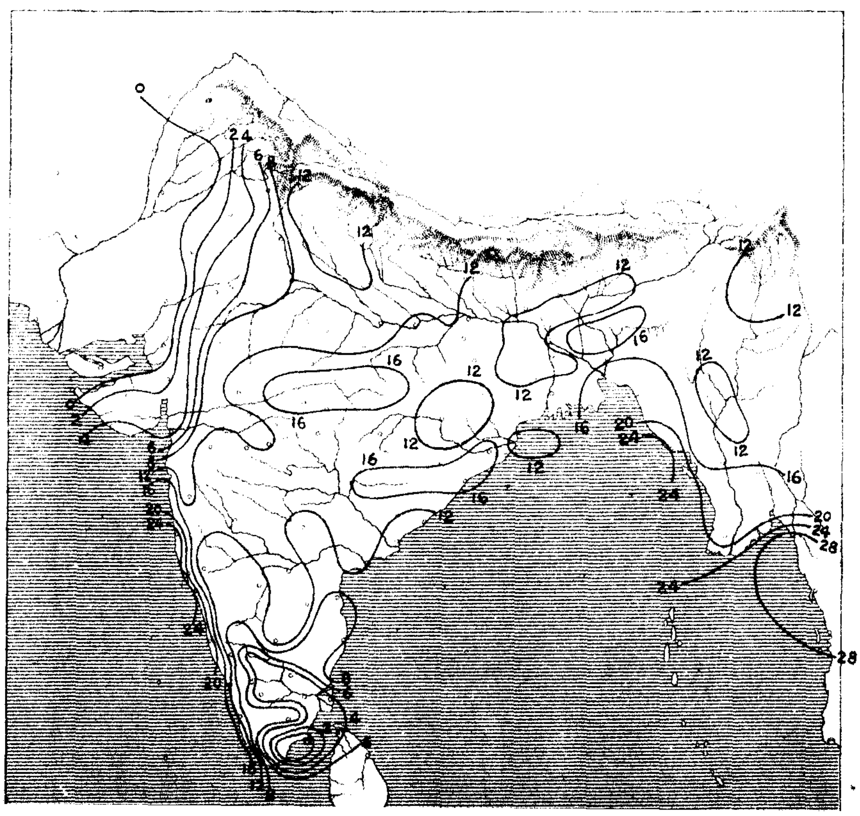
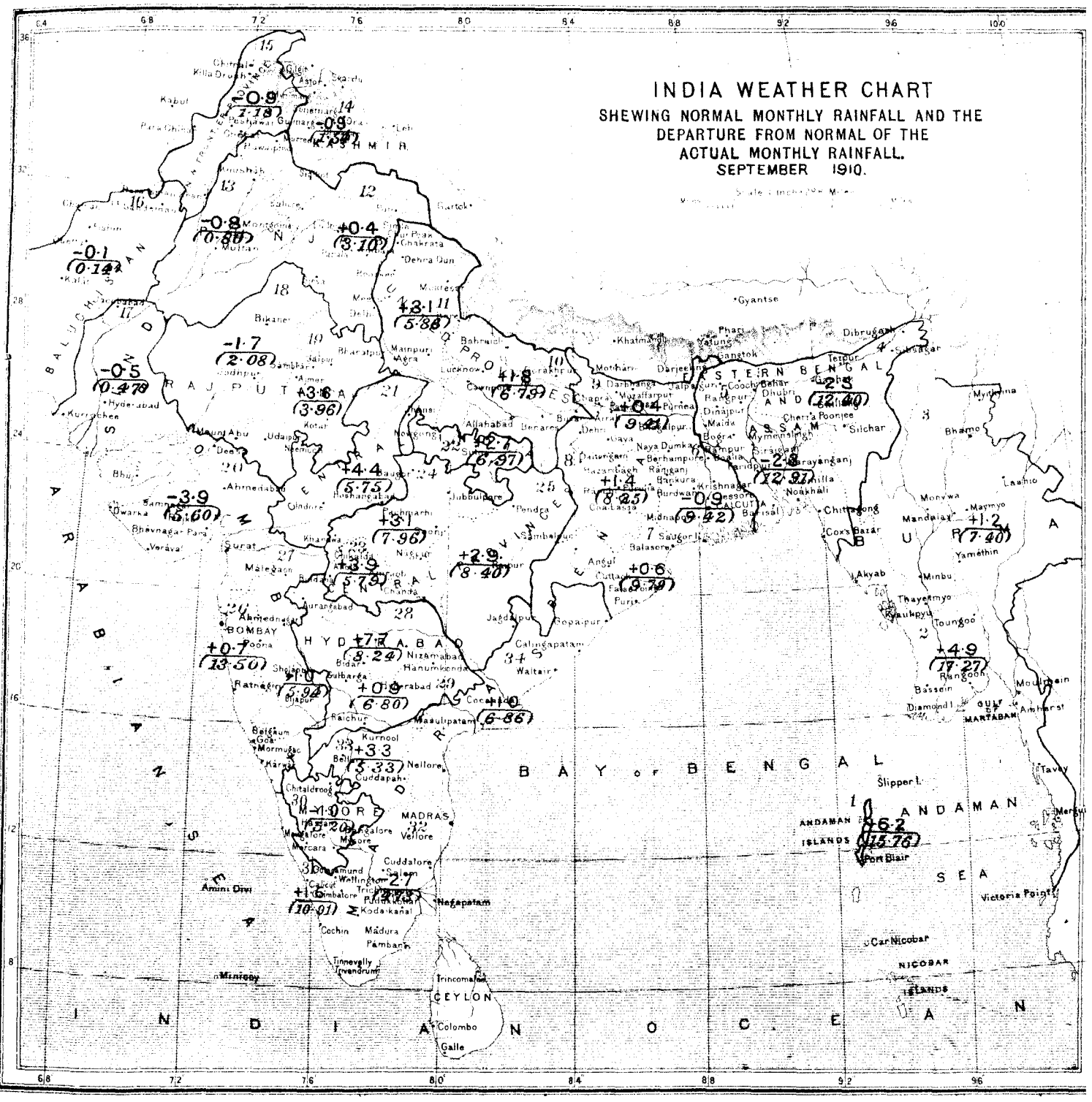


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)





Reg. No. 4101 E., 10—Z.—5 000

LITHO. BY S.S.M.

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, OCTOBER, 1910.

INTRODUCTION.

THIS review of the weather in India during the month of October, 1910, is based on observations taken daily at 8 hrs. at 239 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 34 stations. In the rainfall summary have been utilized 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. The brief notes on solar, seismic and magn disturbances are supplied by the chief observatories in Indian area.

For a statement of the methods adopted in recor and tabulating the data, for each of the elements of obse tion, reference should be made to the introductory por of the review for January.

Summary of the chief features of the weather in India during the month.

2. Two disturbances were recorded during the month, and both were restricted to the first five days. Barometrically they were shallow diffuse depressions but were the cause of much unsettled weather in the central parts of the country. The passing away of these conditions on the 5th marked the final cessation of monsoon rains in the United Provinces, Bihar, Central India and the Central Provinces, an event which usually happens in the middle of October. The subsequent retreat of the monsoon from northeast India and the north of the Bay was effected in the usual manner, and by the 18th the northeast monsoon rains had set in fully on the east coast of the Peninsula.

The total measurements of the month's rainfall equalled or exceeded the average in all the larger political areas with the exception of the North-West Frontier Province. The excess was greatest in absolute amount in the United vinces (4″), and in proportion to the normal in Rajput which received 2½″ in place of the average sixteen ce The Punjab, of which the normal is only a quarter of inch, obtained 1½″ during the month under review. Li or no precipitation occurred in Kashmir and Baluchistan

Except in northwest India, October was a very clo month all over the country, and particularly in Bengal central India. The air was also generally damper t usual, though not to any marked extent.

The mean temperature departed but little from the aver in any part of India.

As in September pressure was below the normal; defect amounted however only to ·011″.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar observations.*—Cloudy weather was very prevalent during the month but it was possible to record spots and faculæ on all days except the 28th. No prominence observations could be made on four days and on six other days the record was incomplete.

Sunspots.—There were seventeen new groups of sp observed in October as against fourteen in Septemb The average daily number was 2·4 and the average lif a spot was 3·8 days. On no day was the sun free fr spots at the time of observation. There was one la spot No. 1915 seen during the month which came ro the east limb on the 16th. It was at first small but by

19th it had developed into a large spot of round and regular outline with a train of small companions in the rear. After crossing the central meridian, however, it broke up into an irregular group of scattered umbral and penumbral patches but was still undiminished in size. Disturbance was indicated in the spot region on several days by the reversal of the C line and the darkening of D_3.

Southern spots still largely preponderated and the distribution in latitude was as follows:—

TABLE 1.

	0° - 10°.	11° - 20°.	Mean latitude.	Extreme latitudes.
North . .	4	...	4°·2	1° and 8°
South . .	6	7	10°·0	7° and 14°

Prominences.—There was a marked increase in prominence activity during the month. Fifty-four large, six eruptive, and two metallic prominences were observed. Several were over two minutes in height. The tallest was 200″ high and was photographed on the third at latitude 50°E. From the 1st to the 4th tall prominences were continuously observed about the same region.

Magnetic disturbances.— "Great" and "moderate" disturbances were more numerous than the usual. "Great" magnetic disturbances were recorded on the following days—4th, 13th, 19th to 22nd and 28th; moderate ones on 1st to 2nd, 3rd, 12th and 25th. The large spot 1915 was crossing the central meridian on the 21st.

Seismological records.

TABLE 2.

No.	Date	P. T. Commencement G. M. T.	L. W. Commencement G. M. T.	Maxima G. M. T.	End. G. M. T.	Amplitude Maximum.	Duration.	REMARKS.
	1910.	H. M.	H. M.	H. M.	H. M.	mm. ″	H. M.	
57	Oct. 4&5	23 12·6	...	...	0 54	...	1 41	Widening of line.
58	„ 7	12 54·6	...	...	13 12	...	0 17	Do.
59	„ 7	16 04·7	16 10·0	16 11·6	16 25	0·4=0·2	0 20	
60	„ 18	3 02·8	3 39·2	3 40·3	4 06	0·6=0·2	1 03	
61	„ 20	5 02·8	5 15·6	5 17·2	5 55	1·7=0·6	0 52	

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

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of October 1910, the traces showed 6 calm days, 21 days of small and 4 days of moderate disturbance.

The days of the month selected as quiet for the purposes of the magnetic survey of India are the 1st, 10th, 17th, 18th and the 31st.

The mean monthly absolute values of the several magnetical 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 . . .	0° 57′ 3″
Horizontal force	0·36836 C. G. S. unit.
Vertical force	0·16134 „ „
Inclination (calculated)* . . .	23° 39′·2
Inclination (observed) . . .	23° 39′·0
Horizontal force range . . .	0·00047 C. G. S. unit.
Horizontal force summed range .	0·00261 „ „
Declination range . . .	2′·2
Declination summed range . .	9′·8

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

* Corrected by H and V traces for the mean of the month.

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

TABLE 3.

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

C = calm, S = small, M = moderate, G = great, V. G. = very great.

Seismic disturbances.

TABLE 4.

Date.	Commencement.	Maximum.	End.	Maximum amplitude.	Duration.
	H. M.	H. M.	H. M.	mm.	H. M.
October 5th .	0 14·4	0 27·9	0 48·0	0·4	0 33·6
„ 7th .	16 9·7	16 16·2	16 27·8	0·3	0 18·1
„ 18th .	3 42·3	3 44·3	3 58·3	0·3	0 16·0
„ 20th .	5 15·0	5 25·9	5 50·8	2·4	0 35·8

All times given above denote G. M. T.
Sensibility to tilt, 1 mm. = 0″·37.

N. A. F. MOOS,
Director,
Bombay Observatory.

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the Milne seismograph.*

TABLE 5.

Date 1910.		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	7	16 5·9	16 11·5	16 14·6	16 34·4	0 28·5	1·50	
,,	20	4 2·9	5 18·6	5 26·2	6 4·4	2 1·5	2·75	

Sensibility 1mm.=0″·38 of tilt.

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing seismographs.*

TABLE 6.

Date.		Beginning of 1st P. T.	Beginning of 2nd P. T.	Beginning of L. W.	Time of maximum amplitude.	End approximately.	Duration.	Maximum displacement of style.	REMARKS.
		H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
2	A	6 5·8	...	...	6 5·9	6 6·4	0 0·6	Small*	Local slight.
4	A	23 20·1	?	23 20·7	23 20·8	23 25·1	0 5·0	Small*	
10	A	15 53·7	15 54·5	15 55·2	15 55·3	16 3·3	0 9·6	0·2	
10	B	?	?	15 55·1	15 55·2	15 56·3	?	Small*	
20	B	...	...	...	...	...	...	...	Tremors from 5h. 28m. to 5h. 45m.

All times are given in G. M. T.
A = E—W component.
B = N—S component.
Magnification of each instrument was 15.
* Displacements less than 0·2 mm. are reported as "Small".

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

TABLE. 7.

Place at which felt.	Date.	G. M. T. of earthquake.	Duration.	Intensity.	No. of shocks.	REMARKS.
		h. m.	sec.			
Chitral . . .	3rd	23 8	29	3	2	
Drosh . . .	4th	17 10	4	2	2	

For scale of intensities reference may be made to the Monthly Weather Review for January, 1909.

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	1·48
Minimum	1·28
Mean	1·42
Number of days of observation . . .	23

J. H. FIELD,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. The following information has been communicated by the Director of the Observatory.

TABLE 8.

Date.	Time.	Disturbance.
August 1910.		
1st	18h. to 23h.	Wave in H. F. (—40).
3rd	12½h. to 16h.	Decrease in H. F. (59).
10th	7h. to 10h.	Wave in H. F. (+31): in declination (—50).
10th to 11th.	19h. to 3h.	Three successive waves in H. F. (—30) (—22) and (—10), 23h. to 11th ½h. Wave in declination (+32).
14th to 15th.	18h. to 2h.	Wave in H. F. (—42).
18th to 19th.	22h. to 19h.	Occasional small fluctuations and undulations in H. F. with waves 18th 23½h. to 19th ½h (+13), 19th 3h. to 5h. (+22), 19th 8½h. to 11h. (—20), 19th 13½h. to 16h. (-21), 19th 23h. to 20th 1h. (+19). Occasional small undulations in declination.
21st	...	Accentuated diurnal variation in H. F. with superposed undulations and waves, 21st 9h. to 11h. (+30), 21st 20½h. to 22½h. (+31). Frequent small undulations in declination.
25th	½h. to 1h.	Wave in H. F. (+25); in declination (—28).
27th	22h. to 23½h.	Wave in H. F. (+16).
28th to 30th	7h. to 0h.	Frequent small fluctuations and undulations in H. F. and declination.
28th	12h. to 16h.	Decrease in H. F. (97).
29th	3h. to 6h.	Wave in H. F. (+33).
30th to 31st	23½h. to 1h.	Wave in H. F. (+20).
Sept. 1910.		
14th to 15th.	21h. to 6h.	Loss of H. F. register.
16th	13h. to 15h.	Decrease in H. F. (54).
20th	15h. to 20h.	Loss of H. F. register.
20th to 21st	20h. to 12h.	Small fluctuations in H. F. and declination.
21st	14h. to 16h.	Wave in H. F. (—20).
22nd	8h. to 23h.	Undulations in H. F. (+10): in declination small.
23rd	1½h. to 4h.	Wave in H. F. (+30).

Date.	Time.	Disturbance.
Sept. 1910.		
23rd	7½h. to 10h.	Wave in H. F. (+25).
23rd	11h. to 15h.	Wave in H. F. (+30).
24th	...	Accentuated diurnal variation in H. F.
25th	0h. to 5½h.	Loss of H. F. register.
25th	13h. to 15h.	Wave in H. F. (−30).
25th	19h. to 20h.	Double wave in H. F. (−15 to +30): in declination wave (+30).
25th	22h. to 24h.	Wave in H. F. (+35): in declination small undualtions.
27th	10h. to 23h.	Occasional small undulations in H. F.
30th	...	Slightly accentuated diurnal variation in H. F. with small superposed undulations and fluctuations.
October 1910.		
1st to 2nd	22h. to 8h.	Small fluctuations in H. F. declination and V. F.
3rd	18h. to 23½h.	Wave in H. F. (−40) with two successive superposed waves, 19h. to 21½h. (+15 and +20). In declination wave 19h. to 20h. (+30).
4th	...	Irregular diurnal variation with small superposed undulations.
4th to 5th	15h. to 3h.	Wave in H. F. (−75) with superposed waves 21½h. to 22½ h. (+25), 23h. to 5th ½h. (+15), 5th 1½h. to 3h. (+30); in declination small undulations with wave 4th. 21½h. to 22½h. (+40).
6th	11½h. to 14h.	Increase in H. F. (42) followed by a decrease (120) till 21¼h, the force gradually recovering by 8th 0h. Irregular small undulations and fluctuations occurred from 5th 22h. to 7th 13h. with a double crested wave 6th 23½h. to 7th ½h. (+30). In declination and V. F. small undulations.
11th	¼h. to 1½h.	Wave in H. F. (+15).
12th	½h. to 2h.	Wave in H. F. (+30).
12th to 14th	12h. to 6h.	Small irregular undulations and fluctuations in declination; H. F. and V. F. 12th 20½h. to 21h. Wave in H. F. (−20) 12th 22½h. to 24h. Wave in H. F. (+10) in declination (+30), 13th 1h. to 4h. Two successive waves in H. F. (+18 and +20), 13th 15h. to 17h. Wave in H. F. (−20), 13th 19h. to 21h. Double wave in H. F. (−15 and +20).
19th	11¼h.	Sudden increase of H. F. (20).
19th	12½h. to 15½h.	Decrease of H. F. (110) followed by waves 19th 15½h. to 18h. (+40); 21h. to 22h. (+25); 20th 12h. to 14h. (−20); 20th 18½ to 19½h. (−30); 20th 21½h. to 22½h. (+20). In declination small undulations.
21st	18½h. to 20h.	Wave in H. F. (+20).
21st	21½h. to 23½h.	Wave in H. F. (+30).
25th	20h. to 22h.	Wave in H. F. (+30).
27th	...	Accentuated diurnal variation in H. F. and declination with small superposed undulations. In V. F. small undulations.
28th	5h. to 8h.	Irregular wave in H. F. (+50) with small rapid superposed fluctuations. In declination small rapid fluctuations.

—	July 1910.
Departure from normal of mean pressure	− ·025
Actual mean wind direction	S 71° E
Normal mean wind direction	S 64° E
Actual mean wind velocity (miles per diem)	242
Normal mean wind velocity (miles per diem)	287
Rainfall departure from normal	+1·76

Weather in the Indian monsoon region.

8. In the subequatorial region pressure was slightly above, and rainfall largely below, the average. The air movement was about normal, both as regards direction and strength.

TABLE 9.

—	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.		+·018	+·031
Actual mean wind direction		S 1° W	S 49° E
Normal mean wind direction		S 6° E	S 39° E
Actual mean wind velocity (miles per diem).		111	200
Normal mean wind velocity (miles per diem).		120	191
Rainfall departure from normal		−1·89	−4·96

Depressions and cyclonic storms.

9. Weather during the first five days was influenced to a great extent by two depressions. The first of these has already been described in the review for September. The second was generated over the head of the Bay on the last day of September. Its depth on the morning of October 1st, when it lay in the neighbourhood of the Orissa coast, was small, not more than a fifth of an inch, and the circulation of air in and around it although fairly well-defined was by no means vigorous, the strongest winds reported being of force 5 to 7. By the 8 hrs. of the 2nd the disturbance had moved into the east of the Central Provinces, and by the same hour of the following day its central point had reached the vicinity of Saugor. During the succeeding hours it moved almost due north and began to fill up, that on the morning of the 4th its depth was hardly tenth of an inch. By the 5th the depression had ceas to exist as an individual system, having become merged a large low pressure area. The disturbance, although of any great depth, gave the final burst of monso rainfall in the Central Provinces, Central India, Bihar a the east of the United Provinces.

No definite disturbance formed during the rest of month in India or the surrounding seas.

Pressure.

10. The abnormal characteristics of the distribution of pressure established in the previous two months were in general maintained in October. The deficiency was reduced however by about five-sixths, and in Burma, and the adjacent districts of Eastern Bengal and Assam disappeared and was replaced by a small excess.

The statement below illustrates the magnitude of the change that had occurred since September.

TABLE 10.

DIVISION.	DEPARTURE FROM NORMAL OF MEAN 8 HRS. PRESSURE.	
	October.	September.
	"	"
Burma	+·005	—·067
Eastern Bengal and Assam	—·003	—·066
Bengal	—·011	—·066
United Provinces	—·010	—·061
Punjab	—·005	—·049
North-West Frontier Province	—·031	—·069
Sind	—·013	—·051
Rajputana	—·011	—·059
Bombay	—·013	—·059
Central India	—·017	—·062
Central Provinces	—·014	—·064
Hyderabad	—023	—·073
Mysore	—·020	—·053
Madras	—·018	—·057
Mean of India	—·011	—·061

The considerable excess of pressure in Burma w reference to the Peninsula was, as is usually the ca associated with the occurrence of abundant precipitat in the latter region.

As in September, the deficiency of pressure over by the greater part of the country coincided with lov temperature than usual.

The vertical gradient was considerably stronger th the average in northeast India and the south of the Pen sula, and nearly normal elsewhere.

TABLE 11.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Depart of pr sure differe B—A
	"		"	"
Quetta	+·001	Jacobabad	—·021	—·02
Leh	—·010	Lahore	—·012	—·00
Murree	—·014	Peshawar	—·029	—·01
Simla	—·012	Ludhiana	—·002	+·01
Chakrata	+·003	Roorkee	+·008	+·00
Darjiling	—·042	Dhubri	—·007	+·03
Mount Abu	—·025	Deesa	—·004	+·02
Pachmarhi	—·011	Khandwa	—·008	+·00
Kodaikanal	—·032	Madura	—·002	+·03

Temperature.

11. Owing to the excess of cloud and rainfall day temperature was more or less below the normal in most parts of the plains of India. The greatest defect occurred in the region including the west of the United Provinc the east of Rajputana, the Central Provinces, the Circ and practically the whole of the Deccan where it rang

between 2° and 6°. Night temperature was on the other hand above the average except in Gujarat, Rajputana, the west of Central India and of the Central Provinces and a few places elsewhere. The departures in both directions were however small, exceeding 2° only in a few localities.

In Baluchistan and Kashmir day temperature inclined to be high and night temperature to be low.

The changes from day to day were in no way remarkable.

TABLE 12.

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	84·9	76·1	80·5	8·7	20·1	—2·1	—1·5	— 0·6
2. Lower Burma	87·1	75·6	81·3	11·5	17·3	—0·7	+0·6	—1·3
3. Upper do.	87·9	72·7	80·3	15·2	25·9	—1·4	+0·8	— 2·2
4. Assam	84·3	71·4	77·9	12·8	30·5	—2·4	—0·2	— 2·2
5. Eastern Bengal	86·4	73·8	80·1	12·6	26·5	—0·3	+0·6	— 0·9
6. Bengal	87·5	74·5	81·0	13·1	26·8	—0·7	+0·4	—1·1
7. Orissa	86·4	74·9	80·6	11·5	24·8	—1·9	+1·1	— 3·0
8. Chota Nagpur	85·4	69·8	77·6	15·6	30·4	—1·3	+1·8	— 3·1
9. Bihar	87·7	72·0	79·8	15·7	29·1	—0·7	+0·3	— 1·0
10 United Provinces, East	88·7	67·1	77·9	21·5	33·8	—1·7	—0·3	— 1·4
11. Do., West	86·4	64·7	75·5	21·8	32·1	—3·7	+0·2	— 3·9
12. Punjab, East and North	90·2	61·5	75·9	28·7	40·5	—2·2	+0·1	— 2·3
13. Do., Southwest	95·6	64·3	80·0	31·2	45·2	+0·3	+1·5	— 1·2
14. Kashmir	68·2	39·3	53·7	28·9	42·7	+2·7	—0·5	+ 3·2
15. North-West Frontier Province	89·8	59·3	74·5	30·5	43·1	—1·4	+0·3	— 1·7
16. Baluchistan	86·5	56·1	71·3	30·4	45·1	+1·7	—1·8	+ 3·5
17. Sind	94·6	68·3	81·4	26·3	39·3	+0·1	+0·3	— 0·2
18. Rajputana, West	95·7	66·6	81·1	29·1	40·1	—1·1	—3·2	+ 2·1
19. Do., East	90·9	64·4	77·6	26·5	38·2	—2·2	—1·3	— 0·9
20. Gujarat	93·0	69·8	81·4	23·3	35·9	—0·7	—1·3	+ 0·6
21. Central India, West	87·6	61·9	74·7	25·7	36·4	—1·5	—2·2	+ 0·7
22. Do., East	87·1	66·1	76·6	21·1	34·1	—1·9	+0·7	— 2·6
23. Berar	86·9	66·7	76·8	20·2	31·1	—2·1	—0·7	— 1·4
24. Central Provinces, West	86·3	65·1	75·7	21·2	34·6	—2·4	—0·8	— 1·6
25. Do., East	84·4	69·3	76·9	15·1	29·1	—2·9	+2·0	— 4·9
26. Konkan	85·1	74·6	79·8	10·6	21·3	—1·4	—0·4	— 1·0
27. Bombay Deccan	86·0	66·0	76·0	20·0	33·0	—2·0	—0·3	— 1·7

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
	°	°	°	°	°	°	°	°
28. Hyderabad, North	85·2	68·3	76·8	16·9	27·1	—3·7	+0·5	— 4
29. Do., South	86·7	71·5	79·1	15·2	23·5	—2·5	+1·3	— 3
30. Mysore	81·3	66·1	73·8	15·3	23·2	—1·5	0	— 1
31. Malabar	84·3	73·8	79·1	10·5	15·5	—1·2	—0·1	— 1
32. Madras, Southeast	89·9	74·5	82·2	15·5	25·5	+0·4	+0·1	+ 0
33. Do. Deccan	88·6	73·1	80·9	15·5	24·1	—2·2	+1·0	— 3
34. Do. Coast, North	85·7	75·9	80·9	9·9	20·7	—3·0	+0·5	— 3

TABLE 13.

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

Division.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperatu
	°	°	°
Sind	+0·1	+0·3	+0·2
Rajputana	—1·8	—1·9	—1·9
Bombay	—1·3	—0·7	—1·0
Central India	—1·7	—0·8	—1·3
Central Provinces	—2·5	—0·2	—1·3
Hyderabad	—2·9	+1·0	—0·9
Mysore	—1·5	0	—0·7
Madras	—1·0	+0·3	—0·3

Winds.

12. (*a*) In most parts of the country the rate of air movement agreed very closely with normal.

(*b*) The steadiness was much greater than usual in the Punjab, Sind, the Central Provinces, Hyderabad and Mysore. The wind was on the other hand abnormally variable in Bengal, the United Provinces and Rajputana.

(*c*) The modifications of the normal direction of air movement were of little significance.

TABLE 14.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	—0·3	— 2
Eastern Bengal and Assam	—0·4	— 5
Bengal	0	— 8

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
United Provinces	—0·1	— 7
Punjab	+0·1	+ 9
North-West Frontier Province	—0·8	— 5
Sind	—1·9	+ 7
Rajputana	—0·1	—15
Bombay	+0·2	+ 3
Central India	—1·2	— 4
Central Provinces	+0·2	+11
Hyderabad	—1·0	+14
Mysore	+0·6	+13
Madras	+0·6	+ 1

Humidity and cloud.

13. The air was decidedly damper than usual in Sind, but in the rest of the plains the humidity, both absolute and relative, was either equal to the normal or in very slight excess.

In Baluchistan and Kashmir the humidity, both absolutely and relatively estimated, was in defect of the average.

The cloud proportion was generally high throughout the whole region with the exception of north-west India, the excess being very pronounced in Bengal, Central India and the Central Provinces.

TABLE 15.

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	+ 1	·852	+·001	5·9	+0·7
Eastern Bengal and Assam.	88	0	·828	+·003	4·8	+0·8
Bengal . . .	83	+ 3	·791	+·028	4·4	+1·5
United Provinces. .	74	+ 5	·628	+·048	1·6	+0·4
Punjab . . .	61	+ 4	·464	+·027	0·4	—0·2
North-West Frontier Province.	65	+ 7	·445	+·050	0·2	—0·5
Sind	68	+11	·631	+·100	0·7	0
Rajputana . . .	54	+ 4	·462	+·004	1·3	+0·3
Bombay . . .	71	0	·664	—·021	3·4	+0·6
Central India . .	70	+ 8	·571	+·038	2·5	+1·1
Central Provinces .	70	+ 3	·592	+·005	4·3	+1·8
Hyderabad . . .	74	+ 5	·657	—·001	5·4	+1·6
Mysore . .	87	+ 5	·655	+·016	7·8	+1·2
Madras . . .	83	+ 3	·817	+·010	6·3	+0·7

Rainfall.

14. The month was rainless or almost so in the northern and western parts of north-west India where under normal conditions rainfall ranging in amount from a few cents to over half an inch is recorded. The whole of the rest of the country with the exception of Lower Burma, Gujarat, the Bombay Deccan and the Madras Deccan had more than its normal fall, the excess amounting to about 6″ in the United Provinces West (where it was greatest), 4″ or thereabout in Assam, Orissa and Mysore and about 3″ in Rajputana East and Eastern Bengal. The rainiest place by percentage comparison with the normal was Rajputana East which received 1695 per cent. more than its proper share.

The chief feature of the meteorology of the month was thus the occurrence of exceptionally heavy rain for the time of year in the dry region including the United Provinces West, Rajputana East and the Punjab East and North.

TABLE 16.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			″	″	″	
1. Bay Islands	17·5	14·1	10·64	8·94	+1·70	+19
2. Lower Burma	10·3	9·6	6·97	6·98	—0·01	0
3. Upper do.	9·6	6·2	7·10	4·46	+2·64	+ 59
4. Assam	10·4	6·2	9·33	5·08	+4·25	+ 84
5. Eastern Bengal	9·1	5·0	8·01	5·10	+2·91	+ 57
6. Bengal	8·6	4·8	6·67	4·04	+2·63	+ 65
7. Orissa	11·9	5·9	9·40	5·37	+4·03	+ 75
8. Chota Nagpur	5·0	3·7	3·20	2·77	+0·43	+ 16
9. Bihar	4·6	2·9	3·17	2·69	+0·48	+ 18
10. United Provinces, East	3·1	1·6	3·77	1·87	+1·90	+102

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
11. United Provinces, West	2·8	0·7	6·90	0·68	+6·22	+915
12. Punjab, East and North	1·1	0·5	1·89	0·26	+1·63	+627
13. Do., Southwest	0·1	0·2	0·04	0·07	—0·03	— 43
14. Kashmir	0	1·4	0·02	0·61	—0·59	— 97
15. North-West Frontier Province	0	0·6	0	0·26	—0·26	—100
16. Baluchistan	0	0·2	0	0·06	—0·06	—100
17. Sind	0	0	0	0·02	—0·02	—100
18. Rajputana, West	0·1	0·1	0·03	0·07	—0·04	— 57
19. Do., East	1·5	0·3	3·41	0·19	+3·22	+1695
20. Gujarat	1·0	1·1	0·78	0·83	—0·05	— 6
21. Central India, West	2·4	1·0	1·73	0·60	+1·13	+188
22. Do., East	2·4	1·7	1·88	1·55	+0·33	+ 21
23. Berar	3·4	2·3	2·49	1·71	+0·78	+ 46
24. Central Provinces, West	3·0	2·3	2·08	1·70	+0·38	+ 22
25. Do., East	4·0	2·7	2·48	1·95	+0·53	+ 27
26. Konkan	4·9	6·1	5·62	4·49	+1·13	+ 25
27. Bombay Deccan	4·9	5·1	3·51	3·54	—0·03	— 1
28. Hyderabad, North	5·2	3·7	2·70	2·59	+0·11	+ 4
29. Do., South	7·6	4·6	3·39	2·98	+0·41	+ 14
30. Mysore	12·0	7·5	9·01	5·29	+3·72	+ 70
31. Malabar	14·9	12·0	11·03	9·76	+1·27	+ 13
32. Madras, Southeast	11·6	8·8	10·72	7·19	+3·53	+ 49
33. Do. Deccan	9·1	6·4	5·16	4·68	+0·48	+ 10
34. Do. Coast, North	14·2	7·2	11·49	7·14	+4·35	+ 61

TABLE 17.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	7·04	5·61	+1·43	+ 25
Eastern Bengal and Assam	8·67	5·09	+3·58	+ 70
Bengal	5·26	3·53	+1·73	+ 49
United Provinces	5·24	1·31	+3·93	+300
Punjab	1·56	0·23	+1·33	+578
North-West Frontier Province	0	0·26	—0·26	—100
Sind	0	0·02	—0·02	—100
Rajputana	2·41	0·16	+2·25	1406
Bombay	3·02	2·84	+0·18	+ 6
Central India	1·78	0·92	+0·86	+ 93
Central Provinces	2·34	1·76	+0·58	+ 33
Hyderabad	3·07	2·80	+0·27	+ 10
Mysore	9·01	5·29	+3·72	+ 70
Madras	10·26	7·08	+3·18	+ 45
Mean of India	4·62	2·77	+1·85	+ 67

Snowfall.

I AND II.—AFGHANISTAN AND NORTH-WEST FRONTIER PROVINCE.

15. No information has been received respecting these areas.

III.—KASHMIR.

During the first fortnight there were two falls of snow on the mountains near Gulmarg, while in the valley itself sleet occurred.

No snow fell during the month in Srinagar or on the surrounding hills. On the summits of the mountains near Sonemarg the total fall amounted to about one foot in depth, but in Sonemarg itself the quantity recorded was slight. The hills near Skardu received two falls, and at the end of the month the unmelted residue there was about six inches deep. In Dras there was a slight fall on the 31st, while on the surrounding mountains several snow-storms are said to have occurred. Snow to a total depth of about six inches is reported to have fallen on the Zojila on the 11th, 12th, 29th, 30th and 31st. In Kargil light snow fell on the 12th and 31st on the Nakthula, Chhaskorla, Sakambula and Barula. The fall of the 31st extended down to the level of Kargil itself where its depth was estimated at about two inches.

IV.—PUNJAB.

Kilba (*Simla Hills*).—A very small quantity of snow fell on the 1st and 2nd, down to about a level of 9,500 feet. All the passes remained open to traffic.

SUMMARY.

16. According to the available information, which refers only to Kashmir and the Simla Hills, the snowfall of the month was almost certainly below the average, and the snowline was at a higher level than is usually the case in October.

HEM RAJ.

TABLE A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 34 stations in India, etc., in October, 1910.

Tab

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

Number of subdivision.	Station.	Elevation of bar-cistern above sea-level, in feet.	Pressure. Mean of 10 hrs.	Pressure. Mean of 16 hrs.	Pressure. Mean daily range.	Pressure. Mean of daily mean pressures.	Pressure. Departure from normal.	Pressure. Mean reduced to sea-level and gravity, 45° Lat.	Temperature of air. Mean maximum.	Temperature of air. Mean minimum.	Temperature of air. Mean daily range.	Temperature of air. Highest maximum.	Temperature of air. Lowest minimum.	Temperature of air. Absolute range.	Temperature of air. Mean 10 hrs.	Temperature of air. Mean 16 hrs.	Temperature of air. Mean of daily means.	Temperature of air. Departure from normal.	Temperature, Wet-bulb. Mean minimum.	Temperature, Wet-bulb. Mean 10 hrs.	Temperature, Wet-bulb. Mean 16 hrs.	Temperature, Wet-bulb. 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	2
	I.—Burma.																					
2	Rangoon . .	18	29·934	29·809	·125	29·875	+·005	29·831	87·5	76·6	10·9	90·7	73·7	17·0	84·1	85·8	80·3	+0·3	75·3	78·5	77·6	77
	III.—Bengal.																					
6	Calcutta . .	21	·899	·788	·111	·839	—·001	·806	86·7	74·9	11·8	91·7	67·7	24·0	82·8	83·4	80·3	+0·3	73·6	77·3	77·4	76
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad .	309	·596	·481	·115	·528	—·028	·791	89·0	66·7	22·3	91·4	58·5	32·9	83·2	87·0	76·3	—1·3	65·1	71·5	70·7	69
11	Dehra Dun . .	2,233	27·681	27·595	·086	27·628	—·024	·828	80·8	60·9	19·9	86·2	55·3	30·9	74·7	77·2	70·0	—0·7	58·2	65·9	67·4	63
	V.—Punjab.																					
12	Lahore .	702	29·187	29·094	·093	29·129	—·020	·794	95·3	62·0	33·3	100·3	55·4	44·9	84·1	93·6	77·2	+1·5	58·3	67·7	70·4	65
	VIII.—Rajputana.																					
18	Jaipur . .	1,431	28·494	28·398	·096	28·441	—·018	·816	92·2	63·7	28·5	95·1	56·5	38·6	84·5	90·1	76·6	—1·3	58·0	66·5	67·2	63
	Udaipur . .	1,925	·016	27·916	·100	27·961		·815	90·4	61·5	28·9	93·5	52·2	41·3	84·2	88·7	75·9		57·4	66·2	67·6	63
	IX.—Bombay.																					
26	Bombay . .	37	29·890	29·784	·106	29·834	—·013	·811	87·3	75·8	11·5	90·6	72·3	18·3	81·3	83·4	80·2	—0·5	72·8	75·5	77·2	75
	XI.—Central Provinces.																					
24	Nagpur . .	1,017	28·894‡	28·771	·123	28·808	—·035	·808‡	88·1	68·1	20·0	91·3	56·6	34·7	81·2‡	85·9	77·2	—1·2	62·9	70·7‡	71·1	68
	XII.—Hyderabad.																					
29	Hyderabad . .	1,690	·211	·102	·109	·159	—·017	·793	85·1	70·9	14·2	90·2	67·6	22·6	79·1	81·4	76·9	+0·1	68·7	72·0	72·2	71
	XIII.—Mysore.																					
30	Bangalore . .	3,021	26·944	26·829	·115	26·888	—·019	·802	80·8	65·5	15·3	85·7	62·1	23·6	74·6	76·6	71·6	—0·2	64·7	69·3	69·6	67
	Mysore . . .	2,518	27·430	27·306	·124	27·369	—·025	·802	82·9	67·0	15·9	87·2	62·2	25·0	76·9	78·7	73·4	—0·7	65·9	70·4	71·0	69
	XIV.—Madras.																					
32	Pudukkottai .	318	29·578	29·438	·140	29·509		·756	89·5	74·6	14·9	94·8	70·4	24·4	83·8	86·3	82·0		72·4	75·6	76·3	74
	Madras .	22	·877	760	·117	·824	—·021	·777	89·4	76·1	13·3	97·4	72·5	24·9	84·9	84·3	81·4	+0·6	74·9	77·8	78·3	77
	Bay Islands.																					
1	Port Blair . .	58	·879	·779	·100	·831	+·009	·819	84·9	75·8	9·1	88·2	73·0	15·2	82·1	82·1	79·1	—1·7	73·9	77·7	77·3	76
	Kashmir.																					
14	Srinagar . .	5,204	24·959	24·843	·116	24·899	—·036	24·870	73·8	38·6	35·2	81·2	32·9	48·3	57·6	71·6	54·6	+1·4	35·9	53·6	66·0	51
	Leh . . .	11,503	19·774	19·663	·111	19·720	—·013	19·687	58·5	30·7	27·8	70·5	24·3	46·2	49·4	54·6	43·0	+0·3	28·1	35·0	38·1	33
	Baluchistan.																					
16	Quetta . .	5,502	24·736	24·659	·077	24·688	—·001	24·648	77·6	36·3¶	41·3	84·5	31·1	53·4	67·1	73·2	58·2¶	+1·7	33·8	47·3	49·5	43

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.

§ Wind observations less 1. ¶ Mean of 14 days. ** Mean of three previous columns.

A.

34 stations in India, etc., in October, 1910.

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.	
·860	·900	·835	·881	—·024	94	77	69	85	− 4	6·6	5·4	6·0	+0·1	44		2	3	7	4	1	1		S 43° E	S 36° E	18	30	16	70	6·00	1·20	Rangoon.	2
																															II.—Bengal.	
·812	·857	·860	·863	+·050	94	77	76	85	+ 3	5·7	6·6	6·1	+1·5	5	5	8	10	4	9	11	4	6	S 28° E	N 18° W	9	11	76*	67	6·82	1·86	Calcutta.	6
																															IV.—United Provinces of Agra and Oudh.	
·616	·626	·546	·597	−·020	92	54	43	66	0	2·1	2·6	2·3	+0·1	17	3	4	5	2	2	2	20	7	N 71° W	N 48° W	29	19	48	74	2·19	·08	Allahabad.	10
·462	·530	·551	·517	+·066	85	62	59	71	+ 8	1·3	2·5	1·9	+0·6	24			1	4	9	4	12	7	S 31° W	N 42° W	29	19	22*†	31	5·24	3·62	Dehra Dun.§	11
																															V.—Punjab.	
·447	·463	·435	·455	+·010	79	39	27	53	+ 1	0	0·1	0·1	—0·7	13	5	5	6	5	5	2	10	11	N 43° W	N 9° W	14	11	34	38	0	0	Lahore.	12
																															VIII.—Rajputana.	
·428	·433	·388	·421	+·019	69	37	29	49	+ 3	1·3	1·4	1·3	—0·4	2	7	13	4	2	1	5	12	16	N 29° W	N 27° W	40	38	60*	74	2·21	1·92	Jaipur.	19
·430	·424	·416	·436		77	36	31	52		1·4	2·4	1·9		11	2	4	8	3	4	10	16	4	S 67° W		23		46		0·05	0·03	Udaipur.	
																															IX.—Bombay.	
·768	·805	·851	·871	—·031	86	76	74	81	0	4·3	3·3	3·8	+0·7		1	8	8	1		3	14	27	N 42° W	N 9° E	50	32	200*	218	4·29	3·83	Bombay.	2
																															XI.—Central Provinces.	
·525	·626‡	·582	·580	+·010	74	59‡	48	63	+ 2	3·3	4·0	3·7	0	8	6	24	9	4	1	6	1	2	N 54° E	N 39° E	46	50	73‡	94	2·50	1·11	Nagpur. §	24
																															XII.—Hyderabad.	
·676	·691	·671	·688	+·054	89	70	63	78	+ 9	6·7	7·0	6·9	+2·7	23		19	2		1		17		N 7° W	S 81° E	21	32	68	94	4·22	1·34	Hyderabad	29
																															XIII.—Mysore.	
·600	·655	·641	·616	+·038	93	77	71	84	+ 6	7·7	7·3	7·5		2	7	12	9	1	1	6	16	8	N 27° W	N	27	8	139	113	10·75	2·67	Bangalore.	30
·623	·663	·665	·664	+·036	91	72	69	81	+ 6	8·5	8·3	8·4	+1·1		5	8	8	3	1	18	16	3	S 78° W	N 63° E	24	12	157	175	12·08	3·02	Mysore.	
																															XIV.—Madras.	
·767	·778	·768	·771		90	68	61	73		5·7	6·3	6·0		6	4	8	3	9	4	8	7	13	N 66° W		11		141		5·19	1·42	Pudukkottai.	32
·850	·857	·887	·880	+·024	95	72	76	83	0	5·4	5·4	5·4	—0·6	1	13	7	5	11	6	7	8	4	S 9° E	N 54° E	20	20	116*	115	9·64	2·15	Madras.	
																															Bay Islands.	
·803	·890	·872	·868	—·059	91	81	80	86	− 2	7·1	7·6	7·3	+0·9	10		2	4	23	3	3	15	2	S 10° E	S 1° W	29	26	178	151	8·20	2·08	Port Blair.	1
																															Kashmir.	
·186	·373	·582	·335	+·033	77	77	75	76**	− 4	0·2	0·8	0·5	−2·2	24		2		13	3	2	1	17	S 84° W	N 23° W	6	18	49	72	0	0	Srinagar.	14
·107	·082	·090	·091	—·013	62	24	22	36	− 6	1·9	3·8	2·9	−1·1			3	2	6	18	19	13	1	S 30° W	S 60° W	61	45	79	48	0	0	Leh.	
																															Baluchistan.	
·203¶	·120	·106	·111	—·041	91¶	18	14	43	+ 1	0	0	0	−0·6	28	6						7	21	N 46° W	N 60° W	46	42	33	46	0	0	Quetta.	16

* Uncorrected for scale error. † Mean of 30½ days. ‡ Mean of 30 days.

Tab

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

Number of subdivision.	Station.	Elevation of bar-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 sea-level 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-bulb. 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	2
	Hill Stations excluding Kashmir and Baluchistan.																					
	Simla	7,232	23·180	23·128	·052	23·145	−·017	23·107	61·5	51·1	10·4	66·7	46·6	20·1	57·1	58·3	56·3	−0·4	43·91	48·0	49·4	47
	Sarain		·215	·158	·057	·179		·141	63·0	42·4	20·6	70·0	35·1	34·9	57·8	55·8	52·7			48·5	49·6	
	Kalabagh		20·191	20·148	·043	20·161		20·124	49·0	37·4	11·6	56·8	32·1	24·7	45·7	44·7	43·2			38·4	39·8	
	Chakrata	7,022	23·354	23·308	·046	23·325	−·010	23·285	67·9	50·4	17·5	72·3	45·7	26·6	62·9	59·3	59·1	+0·5	46·4	54·7	53·7	51
	Muktesar	7,592	22·909	22·840	·069	22·866		22·824	63·4	48·6	14·8	69·5	43·8	25·7	57·5	60·7	56·0		42·1	50·4	53·8	48
	Katmandu	4,388	25·692	25·583	·109	25·634	−·003†	25·589	77·5	57·2	20·3	82·9	46·5	36·4	69·9	73·5	67·3	+0·4†	55·5	63·0	64·1	60
	Darjiling	7,376	23·064	22·976	·088	23·017	−·051	22·972	62·1	49·9	12·2	68·9	42·2	26·7	58·2	58·8	56·0	+0·8	48·5	54·7	55·2	52
	Pachmarhi	3,528	26·485	26·398	·087	26·435	−·030	26·382	76·2	58·9	17·3	79·4	49·1	30·3	70·5	74·2	67·6	−1·3	55·6	61·6	62·9	60
	Mount Abu	3,945	·103	·031	·072	·061	−·029	·011	78·8	63·7	15·1	82·6	60·4	22·2	74·2	75·9	71·2	−0·4	52·8	58·3	58·9	56
	Chikalda	3,642	·373	·272	·101	·317	−·033	·261	77·6	62·3	15·3	80·7	56·7	24·0	71·1	74·2	69·9	−1·3	57·5	63·3	65·0	61
	Ootacamund	7,327	23·059	22·977	·082	23·016		22·952	63·7	51·0	12·7	67·5	44·2	23·3	60·5	59·3	57·3		49·9	56·3	56·2	54
	Kodaikanal	7,688	22·821	·744	·077	22·782		·717	62·3	51·7	10·6	66·0	48·0	18·0	60·3	57·2	57·0		49·9	56·8	55·8	54
	Dodabetta	8,539	·061	21·984	·077	·021		21·958	58·4	48·2	10·2	63·4	43·7	19·7	54·6	54·2	53·3		45·8	52·5	52·5	50
	Extra India.																					
	Minicoy	7	29·953	29·906	·047	29·934																
	Zanzibar	72	30·043	·919	·124	·986	+·018	29·985	83·1	76·1	7·0	87·1	72·1	15·0	79·2	82·2	78·0	+0·3	69·3	73·9	73·3	72
	Diego Garcia								Observations not received.													
	Seychelles	15	·025	·921	·101	·986	+·031†	·925	81·8	75·7	6·1	83·1	72·6	10·5	80·1	81·0	77·3	−0·4†	70·2	74·3	74·3	72
	Mauritius	181							Observations not received.													

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.*

34 stations in India, etc., in October, 1910—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.	
·215‡	·244	·265	·239	+·003	56‡	52	53	55	+ 2	1·0	1·4	1·2	−0·2																2·56	1·76	Simla.	
	·250	·300				51	66			1·5	3·0	2·3		26	1	5	2	1	17	9	1		S 3° W		31		30		6·28	4·65	Sarain.	
	·173	·206				55	68			1·8	3·8	2·8		21	2	2		23	6	1	1	6	S 38° E		31		¶ 95		8·84	5·30	Kalabagh.	
·276	·346	·359	·325	+·046	75	60	70	69	+ 9	2·3	3·1	2·7	+1·0	5	4			22	29	1		1	S 19° E	S 51° W	69	32	75	149	5·15	3·31	Chakrata.	
·207	·298	·347	·282		59	62	65	63		3·7	4·7	4·2		22			7	1	1	1	30		S 84° W		37		149		15·81	7·18	Muktesar.	
·431	·501	·497	·474	−·002	90	68	60	74	−1	2·7	3·6	3·1	−0·9	1	1		28				32		N 75° W	S 86° W	6	34	14*	16	4·70	2·50	Katmandu.	
·332	·393	·400	·373	+·003	91	81	80	85	0	6·2	6·3	6·3	+0·3	26		2	2	3	2	13	14		S 56° W	S 88° W	34	15	29	79	5·76	1·92	Darjiling.	
·417	·447	·448	·438	+·009	81	60	53	68	+ 6	1·0	1·3	1·1	−2·3	7	4	22	9	4		2	3	11	N 33° E	N 30° E	45	28	72§	77	2·66	1·77	Pachmarhi.	
·281	·309	·308	·300	−·033	47	37	34	43	− 3	1·6	1·4	1·5	−0·3		5	16	2	8	4	7	5	15	N 19° W	N 46° W	21	13	148	118	0	0	Mount Abu.	
·429	·491	·510	·479	+·021	74	65	61	70	+ 7	4·9	4·5	4·7	+1·3																4·76	3·10	Chikalda.	
·349	·410	·419	·388		93	79	81	85		7·8	8·8	8·3		10	5	5	13	7	4	4	9	5	N 87° E		10		68		13·11	2·12	Ootacamund.	
·347	·430	·434	·404		90	82	93	88		7·5	9·5	8·5		1	4	3	3	15	15	2	6	13	S 5° W		19		232*		12·86	2·07	Kodaikanal.	
·287	·375	·379	·347		85	88	90	88		8·6	8·8	8·7		3	12	9	8	9	3		7	11	N 20° E		30		302		15·94	2·21	Dodabetta.	
																															Extra India.	
										5·4	5·8	5·6			3					4	45	10	N 84° W		89		190		12·48	5·05	Minicoy.	
·624	·765	·699	·740	−·070	69	77	64	76	− 7	Not recorded.					5	6	1	15	15	13	6	1	S 1° W	S 6° E	40	47	111	120	1·81	0·63	Zanzibar.	
										Observations not received.																					Diego Garcia.	
·664	·771	·759	·744	−·050	75	75	72	76	−5	5·0	3·8	4·4	−1·8†		1		13	40	6	2			S 49° E	S 39° E	85	51	200*	191	0·03	0·02	Seychelles.	
										Observations not received.																					Mauritius.	

* Uncorrected for scale error.

‡ Mean of 28 days.
¶ " " 24 "
§ " " 27 "

† Departures from old normal.

Table B.—Abstract of observations taken at 8 hrs. at 239 stations in India, etc., in October, 1910.

(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 2,000 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.
urma	+·005	87·5	−1·0	74·2	+0·7	80·9	−0·1	13·2	21·3	−0·3	−2	89	+1	·852	+·001	5·9	+0·7	7·04	5·61	+1·43
astern Bengal and Assam	−·003	85·8	−0·9	73·1	+0·4	79·4	−0·3	12·7	27·6	−0·4	−5	88	0	·828	+·003	4·8	+0·8	8·67	5·09	+3·58
engal	−·011	87·1	−1·1	72·9	+0·8	80·0	−0·1	14·2	27·9	0	−8	83	+3	·791	+·028	4·4	+1·5	5·26	3·53	+1·73
nited Provinces of Agra and Oudh.	−·010	87·5	−2·7	65·8	0	76·6	−1·4	21·7	32·9	−0·1	−7	74	+5	·628	+·048	1·6	+0·4	5·24	1·31	+3·93
unjab	−·005	91·7	−1·4	62·3	+0·6	77·0	−0·4	29·4	41·8	+0·1	+9	61	+4	·464	+·027	0·4	−0·2	1·56	0·23	+1·33
orth-West Frontier Province	−·031	89·8	−1·4	59·3	+0·3	74·5	−0·5	30·5	43·1	−0·8	−5	65	+7	·445	+·052	0·2	−0·5	0	0·26	−0·26
nd	−·013	94·6	+0·1	68·3	+0·3	81·4	+0·2	26·3	39·3	−1·9	+7	68	+11	·631	+·100	0·7	0	0	0·02	−0·02
ajputana	−·011	92·2	−1·8	65·0	−1·9	78·6	−1·9	27·2	38·7	−0·1	−15	54	+4	·462	+·004	1·3	+0·3	2·41	0·16	+2·25
ombay	−·013	89·0	−·3	69·8	−0·7	79·4	−1·0	19·1	31·4	+0·2	+3	71	0	·664	−·021	3·4	+0·6	3·02	2·84	+0·18
entral India	−·017	87·4	−1·7	63·9	−0·8	75·7	−1·3	23·4	35·3	−1·2	−4	70	+8	·571	+·038	2·5	+1·1	1·78	0·92	+0·86
entral Provinces	−·014	85·9	−2·5	66·8	−0·2	76·3	−1·3	19·1	32·1	+0·2	+11	70	+3	·592	+·005	4·3	+1·8	2·34	1·76	+0·58
yderabad	−·023	86·1	−2·9	70·1	+1·0	78·1	−0·9	15·9	25·1	−1·0	+14	74	+5	·657	−·001	5·4	+1·6	3·07	2·80	+0·27
vsore	−·020	81·3	−1·5	66·1	0	73·8	−0·7	15·3	23·2	+0·6	+13	87	+5	·655	+·016	7·8	+1·2	9·01	5·29	+3·72
adras	−·018	87·8	−1·0	74·5	+0·3	81·2	−0·3	13·2	22·5	+0·6	+1	83	+3	·817	+·010	6·3	+0·7	10·26	7·08	+3·18

T

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

Number of subdivision.	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.
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	Victoria Point	97	29·802		29·856	29·852	9th	29·739	25th	·113												
	Mergui	65	29·881	+·008	29·880	29·930	8th	29·829	5th	·101	78·1	85·5	−1·7	72·8	+0·7	79·1	−0·5	12·7	88·9	4 days	70·4	14th
	Tavoy	19	29·931	+·005	29·882	29·969	22nd	29·863	5th	·103	77·8	86·5	−1·5	74·4	+1·1	80·4	−0·2	12·1	90·0	25th, 27th & 31st.	70·8	4th & 15th
	Moulmein	94	29·801	+·026	29·834	29·911	26th	29·775	5th	·136	78·7	88·8	+0·4	75·2	+0·5	82·0	+0·5	13·6	91·5	25th, 27th & 28th.	73·3	13th
	Rangoon	18	29·923	+·008	29·873	29·987	20th	29·829	5th	·158	79·6	87·3	−0·4	76·5	+0·9	81·9	+0·3	10·8	90·6	4 days	73·9	20th & 21st.
	Bassein	27?	29·916	+·023	29·879	29·975	25th	29·821	5th	·154	79·3	87·2	−0·2	76·1	+0·9	81·7	+0·3	11·1	90·2	26th & 27th.	74·4	15th, 16th & 30th
	Diamond Island	41	29·888	+·007	29·864	29·940	27th	29·790	5th	·141	81·9	85·9	−0·6	75·5	−1·5	80·7	−0·9	10·4	90·4	28th	73·2	1st, 5th & 11th.
	Toungoo	164	29·773	+·010	29·880	29·840	26th	29·692	3rd & 6th.	·148	79·5	90·0	−0·3	77·2	+2·4	83·6	+1·1	12·8	92·5	21st	73·8	6th, 7th & 22nd.
	Kyaukpyu	18	29·904		29·859	29·985	26th	29·819	6th	·165	80·2	86·5		76·4		81·4		10·1	89·0	2nd	74·4	21st & 23rd.
	Akyab	20	29·903	+·005	29·864	29·984	26th	29·802	1st	·182	78·6	86·4	−1·4	76·2	−0·5	81·3	−0·9	10·2	88·9	2nd, 28th & 29th.	72·5	30th
3	Thayetmyo	121	29·805	+·007	29·865	29·895	26th	29·706	6th	·187	79·9	90·3	−0·1	74·5	+0·4	82·4	+0·1	15·8	93·5	5th & 6th	71·4	29th
	Minbu	*165*	29·755	−·012	29·864	29·856	26th	29·652	5th	·204	79·1	90·6	−0·7	75·4	+0·4	83·0	−0·1	15·2	95·8	18th	73·5	15th & 24th.
	Yamethin	657	29·255	−·023	29·866	29·343	26th	29·160	5th	·183	77·9	90·3	−2·2	74·1	+0·3	82·2	−0·9	16·2	93·8	3rd	71·5	29th
	Mandalay	250	29·681	+·016	29·884	29·782	26th	29·583	5th	·209	79·6	92·5	+0·7	75·6	+0·8	84·1	+0·7	16·9	99·0	4th	72·1	30th
	Monywa	*280*	29·666		29·898	29·766	26th	29·554	6th	·232	77·9	89·7		75·7		82·7		14·0	96·3	5th	71·6	29th
	Lashio	*2,820*	27·164	−·009	29·899	27·246	26th	27·073	3rd	·173	69·2†	80·5†	−2·7†	65·3†	+1·8†	73·1†	−0·5	15·5	87·3	3rd & 4th	60·5	31st
	Bhamo	*381*	29·552	+·006	29·792	29·676	26th	29·424	6th	·252	75·0	85·2	−3·4	70·8	+1·2	78·0	−1·1	14·4	93·9	2nd	64·1	27th
	Myitkyina	458	29·161		29·883	29·572	26th	29·313	4th	·229	74·5	83·6		70·2		76·9		13·4	94·2	2nd	61·5	31st
	II.—Eastern Bengal and Assam.																					
4	Dibrugarh	353	29·533		29·901	29·734	26th	29·444	5th	·290	73·3	82·6		69·7		76·2		12·9	93·9	2nd	60·1	31st
	Sibsagar	333	29·613	−·007	29·911	29·752	26th	29·466	5th	·286	73·0	82·9	−1·9	70·3	−0·5	76·6	−1·2	12·6	92·6	2nd	60·0	31st
	Tezpur	252	29·680		29·885	29·821	26th	29·519	5th	·302	74·0	85·8		71·9		78·9		13·9	93·6	2nd	63·9	31st
	Gauhati	195	29·727		29·881	29·875	26th	29·573	5th	·302	75·6	86·2		71·5		78·8		14·7	94·3	1st	62·6	31st
	Dhubri	115	29·806	−·007	29·875	29·947	26th	29·665	5th	·282	75·6	82·8	−1·7	73·1	+0·3	78·0	−0·7	9·7	88·0	3rd	68·1	28th & 30th.
	Silchar	104	29·840	+·015	29·897	29·950	26th	29·713	1st	·237	75·6	85·2	−3·5	72·0	−0·3	78·6	−1·9	13·2	98·3	2nd	63·3	31st
5	Cox's Bazar	36	29·875§		29·855§	29·975	26th	29·755	1st	·221												
	Chittagong	87	29·831	+·003	29·864	29·913	26th	29·713	1st	·200	78·5	85·8	−0·7	73·7	+0·3	79·8	−0·2	12·1	90·0	2nd	63·0	31st
	Noakhali	43	29·885		29·875	29·983	26th	29·762	1st	·221	78·7	84·8		74·9		79·8		9·9	89·3	6th	65·4	31st
	Barisal	12	29·893	−·007	29·852	30·003	26th	29·757	1st	·246	79·9	86·4	−1·2	74·6	0	80·5	−0·6	11·8	90·8	5th, 6th & 8th.	66·6	30th
	Comilla	36	29·887		29·871	29·989	26th	29·769	1st	·220	79·1	86·8		74·9		80·8		11·9	91·8	1st & 8th	65·3	31st
	Narayanganj	26	29·886	+·003	29·861	29·998	27th	29·760	1st	·238	81·5‖	88·5‖	−0·1‖	77·5‖	+0·5‖	83·0‖	+0·2	11·0	92·5	1st	73·8	17th
	Faridpur	46	29·875		29·871	29·999	26th	29·750	1st	·249	78·9	86·2		74·4		80·3		11·8	90·3	1st, 5th & 6th.	65·9	30th
	Sirajganj	49	29·867		29·866	29·995	26th	29·740	6th	·255	77·0	85·0		74·0		79·5		11·0	89·9	1st & 5th	62·3	31st
	Mymensingh	63	29·865	+·004	29·880	29·982	26th	29·743	1st	·239	79·0	85·8	−0·4	74·0	+0·8	79·9	+0·2	11·8	92·1	1st & 2nd	67·1	30th
	Bogra	75	29·815	+·004	29·871	29·984	25th	29·725	1st	·259	78·5	86·0	−1·2	73·2	+0·5	79·6	−0·3	12·8	91·2	5th & 6th	64·2	30th
	Rampur Boalia	70	29·836		29·858	29·981	26th	29·702	6th	·279	79·4	87·1		74·5		80·8		12·6	91·1	1st & 6th.	65·1	30th
	Malda	72	29·830		29·854	29·973	26th	29·678	6th	·295	78·6§	86·4§		72·8		79·5§		13·6	91·8	1st & 6th	63·5	29th & 31st.
	Dinajpur	123	29·783	−·012	29·862	29·936	26th	29·652	6th	·281	77·2	87·3	−0·1	72·7	+0·7	80·0	+0·3	14·6	93·3	1st	64·0	30th
	Rangpur	123	29·804		29·854	29·947	26th	29·666	6th	·281	77·8	86·6		72·1		79·4		14·5	93·1	1st	63·9	30th

† Mean of 29 days.
‡ „ „ 22 „

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 October, 1910.

Wind direction. Number of winds from Calm (25)	N. (26)	N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction (34)	Normal direction (35)	Wind velocity. Mean velocity, miles per hour (36)	Normal (37)	Departure from normal (38)	Wind steadiness. Actual percentage (39)	Departure from normal (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal (42)	Mean vapour tension at 8 hrs., in inches of mercury (43)	Departure from normal, in inches of mercury (44)	Cloud. Mean cloud amount at 8 hrs. (45)	Departure from normal (46)	Rainfall. Number of rainy days (47)	Normal number of rainy days (48)	Departure from normal (49)	Rainfall of month (50)	Normal rainfall of month (51)	Departure from normal (52)	Total rainfall from 1st May to 31st October, 1910 (53)	Normal rainfall for period, 1st May to 31st October (54)	Departure from normal of period 1st May to 31st October, 1910 (55)	Heaviest rainfall during month (56)	Station (57)
																																I.—Burma.
	1	7	5	8	5				S 55° E					46						7·2												
26	2	1	1		1				N 45° E	N 5° E	5·4	1·5	+3·9	10	− 8	90	+ 3	·850	−·005	5·2	+0·3	16	16·10	−0·10	12·10	12·74	− 0·64	133·22	151·83	−13·61	2·44	Victoria Po Mergui.
41									(a)	N 9° E	1·0*	1·1	−0·1			89	+ 1	·850	−·018	5·2	+0·4	12	12·30	−0·30	7·51	9·45	− 1·94	225·37	201·38	+23·99	1·85	Tavoy.
9	6	1	9	4	1			1	N 76° E	S 85° E	3·0	2·2	+0·8	40	+ 8	89	+ 1	·873	−·003	7·4	+2·4	10	10·70	−0·70	4·12	7·97	− 3·85	177·80	177·86	− 0·06	0·88	Moulmein.
27	1	1	1		1				N 66° E	S 53° E	1·1	2·9	−1·8	7	−15	88	− 4	·837	−·020	6·6	+1·0	11	8·50	+2·50	5·40	6·39	−0·99	91·22	91·80	− 0·58	0·97	Rangoon.
25	1	1	2	2					N 86° E	N 80° E	3·1	3·3	−0·2	13	− 5	92	+ 1	·929	+·014	4·1	−1·1	11	12·10	−1·10	6·37	8·13	− 1·76	78·22	106·37	−28·15	1·70	Bassein.
2		9	7	6	1	3		3	N 85° E	N 53° E	7·5	7·5	0	43	+11	83	0	·907	+·008	3·9	−1·8	10	11·60	−1·60	5·53	8·00	− 2·47	84·47	108·18	−23·71	1·87	Diamond Island,
12	1	7		7	2			2	N 87° E	N 84° E	1·2	1·8	−0·6	27	+ 9	87	− 2	·871	−·016	4·8	−0·7	11	9·60	+1·40	8·71	6·56	+ 2·15	76·74	75·12	+ 1·62	2·45	Toungoo.
3		5	9	14					S 74° E		3·0*			76		86		·896		2·7		14			9·61			141·81			1·57	Kyaukpyu.
4	1	13	8	2	2		1		N 69° E	N 50° E	2·5	2·5	0	59	−16	92	+ 1	·897	−·016	6·0	+0·1	11	8·30	+2·70	13·20	10·28	+ 2·92	194·20	183·75	+10·45	4·43	Akyab.
	4	6	2	7	5	5	1	1	S 52° E	S 37° E	3·7*	3·5	+0·2	27	+ 5	87	+ 3	·830	+·030	5·7	0	5	6·90	−1·90	4·98	4·00	+ 0·98	24·67	33·84	− 9·17	1·72	Thayetmy
3	2			10	7	4	1	4	S 2° E	S 10° W	2·1	6·5	−4·4	39	+28	85	+ 1	·838	−·005	5·8	+1·3	8	5·20	+2·80	4·17	4·41	− 0·24	31·93	29·86	+ 2·07	1·28	Minbu.
15	1			7	5			3	S 24° E	S 45° E	1·7	3·4	−1·7	27	−10	91	+ 5	·868	+·011	5·2	+2·1	14	6·60	+7·40	6·00	5·72	+ 0·28	35·81	33·91	+ 1·90	0·96	Yamethin.
27				3	1				S 34° E	S	2·9	3·2	−0·3	13	−12	84	+ 1	·833	− ·027	5·3	+1·2	9	5·60	+3·40	3·90	4·98	− 1·08	39·73	28·98	+10·75	1·38	Mandalay
10	8		2	7	3			1	N 82° E		2·2			20		91		·876		7·7		7	5·50	+1·50	5·84	3·95	+ 1·89	35·72	26·29	+ 9·43	2·75	Monywa.
23	3	4	1						N 34° E		1·7*			23		94†	+ 2	·880†	+·033	8·2	+0·6	14			12·52	3·68	+ 8·84	69·00	54·98	+14·02	3·48	Lashio.
30	1								N	N 4° W	1·3	1·9	−0·6	3	−19	92	+ 5	·806	+·032	8·3	+4·2	16	5·70	+10·30	12·93	3·47	+ 9·46	86·98	68·52	+18·46	3·48	Bhamo.
10					1				S		1·2			3		83		·748		7·3		16			14·97	5·67	+ 9·30	97·84	69·44	+28·40	3·63	Myitkyina
																																II.—Eastern Be and Assam
7		1	3						N 79° E		0·9			13		90		·731*		5·8		14	7·70	+6·30	12·25	5·40	+ 6·85	97·32	94·19	+ 3·13	2·63	Dibrugarh
4	4	8	1	1	1	1		1	N 37° E	N 83° E	1·2	1·9	−0·7	33	+ 8	98	+ 2	·797	−·005	7·3	+0·1	14	4·20	+9·80	7·74	4·99	+ 2·75	81·03	76·81	+ 4·22	1·47	Sibsagar.
9			1			1			S 23° E		2·3			2		91		·765		5·6		8	5·50	+2·50	7·38	3·66	+ 3·72	69·58	60·70	+ 8·88	2·19	Tezpur.
1	5	5		3	1	2	2	2	N 9° E		2·2			17		90		808		6·6		5	4·10	+0·90	3·40	2·92	+ 0·48	42·91	52·78	− 9·87	1·74	Gauhati.
4		8	9	2	1	7			S 81° E	N 67° E	4·2	3·8	+0·4	37	− 6	90	+ 1	·803	+·012	3·5	−0·3	4	4·10	−0·10	3·24	3·48	− 0·24	89·36	85·47	+ 3·89	1·19	Dhubri.
9		3							N 45° E	N 63° E	1·1‡	1·6	−0·5	10	+ 6	92	+ 3	·826	−·002	5·5	−0·6	18	7·00	+11·00	19·25	6·03	+13·22	116·20	97·90	+18·30	2·15	Silchar.
1	3	7	7	7	4	1		1	S 86° E		2·4			48						3·2		11			7·75			97·97			2·55	Cox's Ba
0	2		1	11	5			2	S 38° E	N 67° E	2·1	2·8	−0·7	37	−10	88	− 2	·853	−·011	5·3	+0·3	12	6·80	+5·20	6·53	6·37	+ 0·16	96·17	86·32	+ 9·85	1·31	Chittagon
7	2	5	6	5	3	2	1		S 80° E		3·2			36		89		·868		3·9		14	7·13	+6·87	14·01	7·92	+ 6·09	132·65	102·34	+29·81	3·28	Noakhali.
8	2	3	1	1	3	2	1		S 52° E	N 20° E	0·9	2·0	−1·1	3	− 8	86	+ 2	·873	−·012	5·2	+1·5	16	5·94	+10·06	9·27	6·69	+ 2·58	73·29	68·95	+ 4·34	1·80	Barisal.
6		2	1	6	5	1			S 34° E		1·9			36		88		·880		3·8		14	5·62	+8·38	12·70	5·43	+ 7·27	104·17	78·31	+25·86	3·65	Comilla.
9	1	3	2	3	1	6	3	2	S 41° W	N 50° E	2·7§	2·7	0	13	+ 2	87‖	+ 3	·925‖	+·077	5·7§	+1·4	11	5·06	+5·94	7·38	4·48	+ 2·90	68·86	59·45	+ 9·41	1·63	Narayang
7	3	1	2	4	8	1	2	3	S 9° E		1·9			19		87		·859		4·9		10	5·31	+4·69	8·45	4·49	+ 3·96	72·17	59·18	+12·99	4·16	Faridpur.
1	1		3	6	3	3		4	S 22° E		1·8			19		91		·849		6·4		10	4·77	+5·23	8·05	4·37	+ 3·68	62·84	55·13	+ 7·71	2·44	Sirajganj.
2		2	3	2	1			1	S 87° E	S 85° E	0·8	1·6	−0·8	16	−21	87	− 1	·858	+·008	6·2	+1·9	8	5·58	+2·42	6·05	5·12	+ 0·93	102·97	77·92	+25·05	1·99	Mymensi
7	3	3	1	1	4			2	N 52° E	N 86° E	1·3	1·6	−0·3	10	− 6	82	− 4	·806	−·059	4·9	+1·4	12	4·84	+7·16	8·36	4·21	+ 4·15	69·97	61·52	+ 8·45	3·49	Bogra.
9					1	1			S 27° W		1·2			6		83		·835		4·1		3	4·90	−1·90	0·89	4·40	− 3·60	35·19	53·10	−17·91	0·40	Rampur Boalia.
3	4	5	2	4	4	2	1	3	N 76° E		2·8*			13		85§		·835§		1·9		3	4·39	−1·39	6·73	4·18	+ 2·55	50·07	50·12	− 0·05	5·18	Malda.
7	2	4	4	4	8	1	1		S 50° E	N 53° E	2·1	2·4	−0·3	33	+11	88	+ 3	·827	+·019	4·3	+1·2	5	3·64	+1·36	2·80	3·02	− 0·22	66·66	67·03	− 0·37	0·95	Dinajpur.
1	1	5	4	1	3	2	1		S 81° E		1·2			19		85		·817		2·5		5	4·03	+0·97	4·73	4·91	− 0·15	92·02	78·45	+13·57	·22	Rangpur.

tions the elevations of which exceed 3,200 feet. * Uncorrected for scale error. § Mean of 30 days. ‖ Mean of 17 days. (a) Indeterminate.

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
	II.—Eastern Bengal and Assam—*concld.*																						
5	Jalpaiguri	283	29·624	—·021	29·868	29·768	26th	29·481	6th	·287	76·5	87·4	+1·6	71·5	+1·7	79·4	+1·7	15·9	94·4	1st	62·9	30th	31·
	Cooch Behar	156	29·767		29·882	29·925	26th	29·624	5th	·301	75·5	85·6		72·0		78·8		13·6	92·8	1st	64·6	30th	28·
	III.—Bengal.																						
6	Saugor Island	25	29·871	—·009	29·841	30·007	26th	29·667	1st	·340	80·0	86·6	−0·3	77·1	+0·9	81·8	+0·3	9·5	90·0	9th, 11th & 16th.	68·0	31st	22·
	Midnapore‡	149	29·738		29·835	29·894	26th	29·550	2nd	·344	78·9	88·4		74·0		81·2		14·4	92·8	7th	65·7	30th & 31st	27·
	Calcutta	21	29·885	—·003	29·853	30·027	26th	29·720	1st	·307	79·1	86·9	+0·2	74·9	+0·6	80·9	+0·4	12·0	91·7	7th & 8th	67·5	31st	24·
	Jessore	35	29·866	—·014	29·846	29·981	27th	29·722	1st	·259	79·2	86·8	−1·6	74·5	−0·1	80·6	−0·9	12·3	92·0	7th & 8th	65·7	30th	26·
	Krishnagar	47	29·861		29·857	30·011	26th	29·721	1st	·290	78·4	88·2		75·1		81·7		13·1	92·4	7th	64·5	30th	27·
	Burdwan	89	29·808	—·006	29·855	29·953	26th	29·645	2nd	·308	78·7	87·7	−1·0	74·9	+0·3	81·3	−0·3	12·8	92·9	7th	65·8	29th & 30th.	27·
	Bankura	313	29·581		29·849	29·737	26th	29·388	2nd	·349	78·8	87·8		73·8		80·8		14·0	94·1	7th	64·7	30th	29·
	Raniganj	334	29·575		29·867	29·727	26th	29·390	2nd	·337	76·5	88·7		73·9		81·3		14·8	92·5	16th	61·0	30th	28·
	Berhampore	67	29·848	—·001	29·865	29·999	26th	29·701	2nd	·298	78·3	86·7	−0·8	74·8	+0·5	80·7	−0·1	11·9	91·6	7th	66·7	30th	24·
	Naya Dumka	489	29·418		29·872	29·570	26th	29·254	2nd	·316	77·2	87·3		71·6		79·4		15·7	92·4	1st	61·5	30th	30·
7	Balasore	50	29·850	—·027	29·845	29·900	26th	29·642	2nd	·348	78·5	87·0	−1·0	74·8	+1·7	80·9	+0·3	12·2	91·4	6th	65·6	31st	25·
	False Point	21	29·867	—·019	29·831	30·001	26th	29·637	1st	·364	80·2	85·8	−1·6	74·7	+0·1	80·3	−0·7	11·1	90·2	10th	65·6	31st	2·
	Cuttack	30	29·818	—·007	29·840	29·963	26th	29·621	1st	·342	88·6	86·9	−2·8	75·1	+0·5	81·0	−1·1	11·8	92·4	6th & 8th	67·7	31st	2·
	Puri	24	29·881		29·844	30·023	26th	29·674	1st	·349	79·4	86·0		76·8		81·4		9·2	89·6	6 days	71·6	31st	1·
	Angul	455	29·440		29·859	29·588	26th	29·229	2nd	·369	77·9	86·0		73·9		79·9		12·1	91·1	6th & 7th	64·0	31st	2·
	Sambalpur	486	29·415	—·017	29·854	29·562	26th	29·192	2nd	·370	78·3	86·5	−2·3	73·9	+2·0	80·2	−0·1	12·6	92·1	8th	63·6	31st	2·
	Chaibassa	*733*	29·146	—·024	29·840	29·303	26th	28·918	2nd	·385	75·9	87·0	−1·8	72·1	+2·3	79·5	+0·3	14·9	93·6	7th	61·8	30th & 31st	3·
	Ranchi	2,128	27·780	—·004	29·848	27·932	26th	27·586	2nd	·346	72·4	82·0	−1·0	67·9	+2·3	74·9	+0·7	14·1	86·7	6th	59·9	29th & 30th.	2·
	Purulia	*816*	29·082		29·860	29·232	26th	28·882	2nd	·350	75·2	87·6		72·0§		79·9§		15·6	93·5	14th	63·1	29th, 30th & 31st.	3·
	Hazaribagh	2,007	27·891	—·006	29·840	28·042	26th	27·688	2nd	·354	74·5	82·2	−1·1	67·7	+0·9	74·9	−0·1	14·5	86·2	6th	58·3	29th	2·
	Daltonganj	*730*	29·183		29·886	29·347	26th	28·953	2nd	·391	73·1	88·1		69·1		78·6		19·0	92·1	1st	57·0	28th	3·
9	Pusma	134	29·778	—·003	29·868	29·928	26th	29·638	6th	·290	76·8	86·7	−0·7	71·3	+0·1	79·0	−0·3	15·4	92·0	1st	61·2	29th	3·
	Bhagalpur	160	29·749		29·863	29·918	26th	29·591	2nd	·327	80·1	88·6		72·0		80·3		16·6	93·2	1st	61·8	29th	3·
	Monghyr	155	29·745		29·864	29·911	26th	29·582	2nd	·329	79·6	87·9		73·1		80·5		14·8	93·7	1st	64·9	29th	
	Darbhanga	165	29·736	—·014	29·859	29·898	26th	29·597	6th	·301	77·2	87·3	+0·6	72·3	−0·8	79·8	−0·1	15·0	92·6	1st	63·8	29th	
	Pusa	188	29·712		29·858	29·876	26th	29·565	2nd	·311	77·3	88·2		70·8		79·5		17·4	93·1	1st	61·0	29th	
	Muzaffarpur	177	29·734		29·870	29·888	26th	29·581	2nd	·307	77·7	87·0		71·0		79·0		16·0	92·2	1st	62·5	29th	
	Motihari	221	29·677		29·852	29·836	26th	29·532	3rd	·304	75·1	86·5		71·0		78·7		15·5	92·6	1st	63·2	28th	
	Chapra	181	29·707§		29·865	29·851	27th	29·544	2nd	·307	77·6	88·5		72·7		81·1		14·8	92·8	1st	65·3	28th	
	Patna	183	29·719	—·014	29·869	29·890	26th	29·556	2nd	·334	79·7	86·5	−1·7	73·7	+1·2	80·1	−0·3	12·8	91·5	1st	66·2	28th & 29th.	
	Arrah	190	29·706†		29·852†	29·880	26th & 27th.	29·537	2nd	·343	78·2	87·6		71·5		79·6		16·1	92·1	1st	62·3	28th	
	Bihar	239	29·663		29·853	29·820	26th	29·465	2nd	·355	76·6	88·5		71·8		80·1		16·7	92·0	1st	64·1	28th & 30th	
	Dehri	351	29·538		29·849	29·673	26th	29·352	2nd	·321	77·1	88·5		71·85		80·25		16·7	91·8	1st	65·0	28th & 30th	
	Gaya	372	29·520	—·016	29·851	29·670	27th	29·317	2nd	·353	77·6	88·4	−1·2	71·8	+0·8	80·1	−0·2	16·6	92·9	1st	62·2	30th	
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·633	—·011	29·852	29·785	26th	29·460	3rd	·325	77·3	87·4	−1·3	70·3	+0·2	78·9	−0·5	17·1	93·1	1st	62·8	28th	
	Benares	267	29·631	—·008	29·856	29·800	26th	29·431	3rd	·369	77·0	89·1	−0·8	67·2	−1·1	78·1	−0·9	21·9	93·1	1st	57·6	28th	
	Allahabad	309	29·581	—·016	29·851	29·752	26th	29·371	3rd	·381	76·2	89·2	−1·3	66·7	−0·9	78·0	−1·1	22·5	92·6	1st	58·5	27th	

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

‡ Mean of 26 days except rainfall.

§ „ „ 20 „

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

† Mean of 27 days.

B—*continued.*

stations in India, etc., in October, 1910—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, 1910.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October, 1910.	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.*
26		3	2						N 62° E	N 51° E	1·4			13	−30	84	− 4	·780	+ ·003	4·7	+1·4	6	4·71	+1·29	4·50	3·82	+ 0·68	136·41	117·00	+19·41	2·70	Jalpaiguri.
12		5	7	4	1	2			S 81° E		1·4			39		87		·773		5·1		8	4·17	+3·83	13·54	4·79	+ 8·75	170·74	120·02	+50·72	4·29	Cooch Behar.
																																III.—Bengal.
	3	9	2	1	6	5	3	2	N 64° E	N 14° W	8·3	7·4	+0·9	3	−19	89	+ 3	·907	+ ·019	6·0	+0·6	14	7·90	+6·10	11·31	8·64	+2·67	60·81	66·68	−5·84	1·82	Saugor Island.
3	10	1	1	2	7			2	N 22° E		2·2¶			23		84		·823		5·2		11	5·27	+5·73	6·78	4·51	+2·27	42·37	55·17	−12·80	1·84	Midnapore.
2	2	7	5	2	1	6	3	3	N 41° E	N 58° W	3·2*	2·8	+0·4	10	− 9	87	+ 3	·877	+ ·034	5·5	+2·1	14	5·33	+8·67	6·82	4·12	+2·70	53·21	54·71	−1·47	1·86	Calcutta.
25		2	1	3					S 81° E	S 67° E	0·1	2·0	−1·9	17	− 5	83	− 3	·846	−·030	2·1	−1·8	10	5·74	+4·26	9·99	4·38	+5·61	69·06	55·73	+13·33	4·13	Jessore.
26			1	2	1	1			S 34° E		0·5			13		88		·855		5·7		6	4·97	+1·03	11·02	4·20	+6·82	71·16	49·21	+21·95	5·13	Krishnagar.
10	4	7	1		1	5	2	1	N 3° W	N 28° W	1·7	1·9	−0·2	16	+ 2	85	+ 5	·843	+ ·049	6·4	+2·7	5	4·10	+0·90	2·39	3·27	−0·88	47·12	51·86	−4·74	1·00	Burdwan.
25			1	1	2		2		S 6° W		2·2			10		80		·777		3·9		5	4·81	+0·19	4·77	4·08	+0·69	41·81	51·59	−9·78	2·85	Bankura.
29			1	1					S 62° E		1·1			6		85		·786		5·3		1	4·23	−3·23	0·50	3·22	−2·72	43·04	51·68	−8·64	0·20	Raniganj.
4	4	3	2	1	8	3	2	4	S 48° W	S 39° W	2·6	2·0	+0·6	10	+ 5	85	− 1	·828	−·007	5·8	+2·1	4	5·01	−1·01	2·64	3·95	−1·31	52·03	50·81	+1·24	0·93	Berhampore
29			2						S 45° E		1·7**			3		81		·762		3·5		5	4·70	+0·30	4·28	3·94	+0·34	51·63	55·06	−3·43	1·92	Naya Dumka
4	7	6	1		2	5	2	4	N 20° W	N 41° W	1·9	2·6	−0·7	30	− 6	85	− 1	·826	−·012	5·7	+1·1	11	6·32	+4·68	8·13	5·74	+2·39	43·18	58·13	−14·95	2·87	Balasore.
2	8	5	3	1	1	6	2	3	N 8° W	N 45° W	5·2	6·0	−0·8	27	−20	87	+ 3	·896	+ ·019	6·8	+2·2	17	7·74	+9·26	18·83	8·58	+10·25	55·86	58·79	−2·93	2·73	False Point.
14	1	6	3		2	4	1		N 82° E	N 51° W	1·9*	1·8	+0·1	11	− 7	85	+ 6	·845	+ ·058	4·8	+1·2	13	6·05	+6·94	9·85	5·24	+4·61	66·62	54·93	+11·69	2·51	Cuttack.
4	13	7				6		1	N		8·3			45		87		·872		5·4		13	7·62	+5·38	7·80	8·93	−1·18	47·71	52·02	−4·31	1·93	Puri.
9	1	3		3				15	N 27° W		3·8			15		89		·853		5·9		15			12·70			52·35			3·21	Angul.
	1	9	4	7	3	7			S 62° E	N 33° E	4·0	2·9	+1·1	37	−20	84	+ 6	·823	+ ·074	5·6	+3·0	9	3·60	+5·40	5·25	1·92	+3·33	56·16	64·10	−7·94	1·24	Sambalpur.
7	5	6	2	1	3	4	3		N 22° E	S 63° W	1·9	0·9	+1·0	10	−12	84	+ 2	·756	+ ·017	5·6	+2·4	5	4·19	+0·81	5·37	2·29	+3·08	42·11	46·61	−4·50	2·13	Chaibassa.
5	3	3	4	1	2	4	3	6	N 40° W	N 89° W	4·2	4·5	−0·3	17	− 4	82	+10	·653	+ ·067	5·0	+1·9	6	4·35	+1·65	2·98	2·92	+0·06	62·48	51·45	+11·03	0·81	Ranchi.
8	2	3	1		2	1	10	4	N 63° E		2·4			29		87		·761		2·7		5	3·80	+1·20	3·86	3·17	+0·69	40·18	48·83	−8·65	2·05	Purulia.
1	1	2	7	2	4	5	6	3	S 23° W	S 72° W	4·5	5·2	−0·7	17	− 8	69	− 1	·583	+ ·004	3·8	+0·3	5	4·48	+0·52	2·51	3·14	−0·63	43·06	50·47	−7·39	1·06	Hazaribagh
16	1	1	7	3	1	1	1		S 76° E		2·6			23		85		·705		3·4		4	3·06	+0·94	1·04	2·40	−1·36	35·23	41·70	−6·42	0·26	Daltonganj.
20	1	2	3		2	1		2	N 64° E	N 79° E	1·3	2·0	−0·7	7	− 8	89	+ 1	·825	+ ·025	4·0	+1·4	1	3·39	−2·39	1·66	3·44	−1·78	55·62	62·01	−6·39	1·59	Purnea.
17		2		3	6	2	1		S 7° E		1·4			26		76		·789		3·6		3	3·03	−0·03	0·68	3·51	−2·83	39·72	46·57	−6·85	0·19	Bhagalpur.
15			2	5	1	2	5	1	S 22° W		3·3			19		78		·797		4·2		2			0·35			34·93			0·16	Monghyr.
16		3	7	1	1	2	1		S 82° E	S 68° E	1·7	2·1	−0·4	23	+ 2	85	+ 2	·808	+ ·025	3·5	+1·5	5	3·03	+1·97	3·32	3·24	+0·08	49·01	48·62	+0·39	1·55	Darbhanga
15		3	5	3		2	1	1	S 81° E‖		1·7			20		83		·782		4·0		5			4·16			31·88			1·80	Pusa.
21			3	4			2	1	S 56° E		6·9*			10		82		·777		1·9		6	2·87	+3·13	6·89	2·92	+3·97	54·04	43·28	+10·76	3·11	Muzaffarpur
24		2	5						N 81° E		0·7			19		90		·767		2·1		4	2·71	+1·29	3·81	3·38	+0·43	60·32	49·27	+11·05	1·33	Motihari.
																81		·771		3·3		7	2·81	+4·19	4·10	2·63	+1·47	43·88	38·62	+5·26	1·35	Chapra.
11	1		6	3	5	2	3		S 27° E	S 8° W	3·4	2·2	+1·2	30	+ 8	76	+ 3	·777	+ ·043	3·9	+1·5	7	3·13	+3·87	4·99	3·26	+1·73	62·06	45·90	+16·16	1·42	Patna.
18		1	2	4	1	3	1	1	S 22° E		1·6			19		76		·740		3·9		6	3·48	+2·52	5·27	2·77	+2·50	39·76	43·27	−3·51	2·80	Arrah.
5	1	1	8	1	1	8	6		S 18° W		3·3			19		77		·714		3·2		5	2·84	+2·16	4·25	2·96	+1·29	41·33	39·22	+2·11	2·02	Buxar.
7	1	1	3	2	4	10	1	2	S 24° E		3·2			32		75		·709		3·1		3	2·78	+0·22	1·24	2·49	−1·25	47·78	40·86	+6·92	0·63	Dehri.
23	1	4		2			1		N 53° E	S 8° W	2·4	2·7	−0·3	19	−22	77	+ 3	·739	+ ·055	4·3	+1·3	4	2·90	+1·10	1·21	2·20	−0·99	47·30	44·44	+2·86	0·48	Gaya.
																																IV.—United Provinces of Agra and Oudh.
20		5	2	1			2	1	N 45° E	N 27° W	1·3	1·2	+0·1	13	− 9	78	+ 1	·747	+ ·033	2·6	+1·0	3	2·10	+0·90	3·35	4·19	−0·84	63·61	49·69	+13·92	2·11	Gorakhpur.
28			1	3		2	2		S 5° W	S 50° W	1·1	2·5	−1·4	11	− 7	76	− 1	·714	+ ·035	2·5	+0·3	4	2·20	+1·80	2·96	2·56	+0·40	27·90	38·96	−11·06	1·22	Benares.
11		1	2			4	10	3	W	N 86° W	2·3	3·1	−0·8	36	+11	69	0	·638	+ ·004	2·3	+0·3	2	1·90	+0·10	2·19	2·57	−0·38	30·11	38·82	−8·51	1·08	Allahabad

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

** Mean of 5 days.
¶ „ „ 25 „

‖ Wind observations for 30 days.

* Uncorrected for [illegible] error.

Table 8

(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. 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 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	29·460?	—·027?	29·838?	29·625	26th	29·228	3rd	·397	75·6	89·6	—1·9	64·3	—1·5	77·0	—1·7	25·3	93·2	30th	56·0	26th & 30th.	37·2
	Lucknow	368	29·325	—·006	29·857	29·695	26th	29·320	3rd	·375	76·2	89·4	—1·8	65·7	+0·2	77·5	—0·8	23·7	93·0	1st	57·6	30th	35·4
	Bahraich	401	29·486	—·011	29·853	29·645	26th	29·256	3rd	·389	76·0	87·3	—2·8	68·7	+1·5	78·0	—0·7	18·6	97·1	1st	62·0	26th & 27th.	30·1
11	Jhansi	824	29·084	—·009	29·871	29·245	26th	28·857	2nd	·388	79·7	90·8	—2·1	69·6	+0·5	80·2	—0·8	21·2	94·5	30th	63·5	19th	31·0
	Agra	556	29·327	—·026	29·852	29·487	26th	29·111	3rd	·376	74·9	90·4	—2·9	67·0	—0·6	78·7	—1·7	23·4	93·5	14th	61·0	28th	32·5
	Mainpuri	516	29·369	—·007	29·857	29·529	26th	29·159	3rd	·370	70·8	88·0	—4·9	65·0	+0·4	76·5	—2·3	23·0	92·3	1st	57·6	30th	34·7
	Bareilly	568	29·303	—·021	29·844	29·456	26th	29·094	3rd	·362	72·3	86·0	—3·5	65·6	+0·3	75·8	—1·6	20·4	89·8	9th	59·0	25th	30·8
	Meerut	733	29·148	—·008	29·866	29·300	26th	28·963	3rd	·337	69·3	85·5	—5·0	61·8	—0·6	73·7	—2·8	23·7	89·1	7th, 8th & 13th.	54·8	26th & 28th.	34·3
	Roorkee	899	29·060	+·008	29·886	29·157	26th	28·812	3rd	·345	70·5	83·7	—5·6	62·7	+1·4	73·2	—2·1	21·0	87·5	9th & 13th.	56·4	25th, 27th & 28th.	31·1
	Dehra Dun	2,233	27·668	—·010	29·875	27·801	26th	27·498	3rd	·303	67·2	80·5	—1·7	60·9	+0·3	70·7	—0·7	19·7	86·0	7th & 8th	55·5	25th, 26th & 31st.	30·5
	V.—Punjab.																						
12	Delhi	718	29·167	—·009	29·866	29·320	26th	28·975	3rd	·345	72·1	86·9	—5·2	67·0	—0·9	76·9	—3·1	19·9	90·2	4 days	59·7	29th & 30th.	30·5
	Sirsa§	662	29·223	+·005	29·870	29·361	27th	29·092	6th	·269	70·2	94·3	—2·5	63·0	—0·6	78·7	—1·5	31·3	99·8	7th	54·5	27th	45·3
	Patiala	*818*	29·056		29·864	29·213	26th	28·888	2nd	·325	70·6	87·4		61·7		74·6		25·7	92·2	11th	55·0	18th	37·2
	Ambala	892	28·995	+·004	29·879	29·139	26th	28·820	3rd	·319	69·4	83·1	—5·1	60·4	—0·4	74·3	—2·7	27·7	92·5	4 days	51·9	25th	40·6
	Ludhiana	812	29·072	—·002	29·874	29·211	26th	28·911	3rd	·300	69·8	90·3	—1·6	62·8	—0·2	76·6	—0·9	27·5	95·5	1st	56·0	26th	39·5
	Lahore	702	29·170	—·012	29·880	29·307	26th	29·023	6th	·284	70·7	95·5	+0·4	62·0	+2·9	78·8	+1·7	33·5	100·4	7th	55·2	25th, 26th & 27th.	45·2
	Sialkot	830	29·053	+·002	29·879	29·194	26th	28·902	3rd	·292	69·5	90·1	—2·2	59·6	—2·3?	74·9	—2·3?	30·5	95·0	1st, 7th & 8th.	53·0	25th	42·0
	Rawalpindi	1,674	28·617	—·016	29·897	28·348	25th	28·078	6th	·270	66·3	88·9	+0·7	55·5	—0·3	72·2	+0·2	33·4	93·9	7th & 8th.	49·9	21st & 22nd.	44·0
13	Khushab	612	29·275	+·002	29·870	29·412	26th	29·116	6th	·296	74·4	94·9	+1·1	64·1	+2·2	79·5	+1·7	30·8	100·9	7th	55·9	26th	45·0
	Montgomery	558	29·319	—·009	29·855	29·467	2.th	29·168	6th	·299	76·0	95·9	—0·7	62·8	+0·6	79·4	—0·1	33·1	101·9	7th	54·0	26th	47·9
	Multan	420	29·457	—·013	29·851	29·617	25th	29·299	6th	·318	73·5	95·9	+0·4	66·1	+1·7	81·0	+1·1	29·8	101·3	6th	58·5	28th	42·8
	VI.—North-West Frontier Province.																						
15	Peshawar	1,110	28·791	—·029	29·909	28·937	25th	28·637	6th	·300	66·4	86·6	—1·8	57·9	+0·7	72·2	—0·5	28·7	91·2	6th & 7th	51·9	30th	39·3
	D. I. Khan	590	29·284	—·034	29·804	29·434	25th	29·120	6th	·314	68·7	93·0	—1·0	60·6	0	76·8	—0·5	32·4	99·4	7th	52·6	28th	45·8
	VII.—Sind.																						
17	Jacobabad	186	29·690	—·021	29·839	29·853	26th	29·549	3rd	·304	75·7	99·8	+1·2	63·6	+1·1	81·7	+1·1	36·2	105·1	1st	56·3	24th	48·8
	Hyderabad	96	29·795	—·014	29·844	29·967	27th	29·647	2nd	·320	77·8	97·7	—0·3	69·1	—0·9	83·4	—0·6	28·6	104·0	1st	62·5	27th	41·5
	Karachi	13	29·916	—·004	29·880	30·068	27th	29·726	3rd	·342	76·7	86·3	—0·6	72·1	+0·8	79·2	+0·1	14·2	94·0	28th	66·5	28th	27·5
	VIII.—Rajputana.																						
18	Bikaner	*771*	29·103	—·007	29·847	29·263	26th	28·939	3rd	·324	75·8	95·5	—0·4	68·6	—2·8	82·0	—1·6	26·9	100·0	7th	62·0	19th & 26th.	38·0
	Jodhpur	780	29·129	—·008	29·878	29·281	26th	28·923	1st	·358	75·1	95·8	—1·7	64·6	—3·6	80·2	—2·7	31·2	99·5	6th	57·3	27th & 31st.	42·2
19	Jaipur	1,431	28·481	—·017	29·878	28·645	26th	28·249	1st	·396	75·6	91·7	—2·6	63·8	—0·2	77·7	—1·4	27·9	95·2	7th & 8th	56·6	28th	36·6
	Sambhar	1,254	28·652	—·006	29·883	28·811	26th	28·436	1st	·375	72·8	93·3	0	62·7	—0·9	78·0	—0·5	30·6	97·4	7th	53·9	26th	43·5
	Ajmer	1,611	28·311	—·014	29·903	28·458	27th	28·100	1st	·358	69·6	88·2	—3·8	65·0	+1·8?	76·6	—1·0?	23·2	90·9	30th & 31st.	57·2	28th	33·7
	Kotah	819?	29·062?	—·029?	29·846?	29·218	27th	28·799	1st	·419	77·1	90·8	—4·5	68·6	—2·0	79·7	—3·3	22·2	95·0	31st	61·1	26th	33·9
	Udaipur	1,925	28·009	—·017	29·885	28·159	26th	27·791	1st	·369	74·3	90·3	—1·7	61·8	—2·1	76·1	—1·9	28·5	93·5	6th & 19th.	52·3	26th	41·2

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

§ Mean of 27 days.

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

B—*continued.*

tations in India, etc., in October, 1910—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 May to 31st October, 1910.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October, 1910.	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.*
2		2	1		2	5	1	N 82° W	S 76° W	1·9	2·1	−0·2	13	−16	67	+ 1	·601	−·001	0·9	−0·2	4	1·50	+2·50	1·27	1·42	−0·15	27·84	33·88	− 6·04	0·53	Cawnpore.
		1	4		1	1		S 32° E	N 58° W	1·4	1·8	−0·4	13	+ 4	72	0	·666	+·038	1·3	−0·1	2	1·60	+0·40	2·83	1·16	+1·67	29·21	36·63	− 7·39	2·70	Lucknow.
2	2	6	3	1	1	5		S 84° E	N 77° E	2·0	1·6	+0·4	12	+ 2	85	+ 9	·770	+·079	1·9	+0·6	3	1·30	+1·60	5·51	1·55	+3·96	47·87	45·27	+ 2·60	3·19	Bahraich.
	3	5	1	1	3	3	2	S 75° E	S 70° W	3·8	2·4	+1·4	4	−39	52	0	·521	+·024	1·3	+0·4	2	0·90	+1·10	0·50	0·64	−0·14	33·00	36·73	− 3·73	0·28	Jhansi.
3	2	4	2	1	3	5		N 72° W	N 69° W	3·7	3·1	+0·6	1	−39	63	+ 6	·557	+·060	1·6	+0·8	3	0·60	+2·40	10·58	0·38	+10·20	31·24	23·81	+ 4·43	6·68	Agra.
4	1	2	3	3	7	3		N 76° W	N 83° W	1·5	0·8	+0·6	23	+ 7	77	+12	·591	+·059	1·8	+0·7	3	0·80	+2·20	4·29	1·12	+3·17	24·21	28·90	− 4·69	2·10	Mainpuri.
								†	N 15° W	0·1	1·3	−1·2			84	+ 9	·673	+·068	1·5	+0·7	4	0·91	+3·09	10·50	1·00	+9·50	53·24	44·63	+ 8·61	6·30	Bareilly.
2	3	3	3			4	7	N 14° W	S 88° W	2·3	1·2	+1·1	23	+10	78	+12	·569	+·085	1·1	+0·5	4	0·50	+3·50	8·74	0·35	+8·39	32·23	28·39	+ 3·84	4·83	Meerut.
	2		3					S 78° E	S 58° E	0·8	1·3	−0·5	10	+ 4	81	+ 7	·608	+·083	1·1	+0·4	3	0·80	+2·20	8·67	0·38	+8·29	54·32	38·25	+16·07	4·31	Roorkee.
								†	S 27° E	0·8*	1·3	−0·5			75	+ 7	·503	+·060	1·4	+0·2	3	1·10	+1·90	5·24	0·92	+4·32	105·42	81·87	+23·55	3·62	Dehra Dun.
																															V.—Punjab.
4	2	3	1	3	11	2		W	N 83° W	2·6	2·3	+0·3	25	− 7	67	+17	·526	+·104	1·1	+0·3	2	0·60	+1·40	7·32	0·06	+7·26	29·41	24·80	+ 4·61	6·00	Delhi.
1	2	9	2	7				S 21° E	S 31° W	5·2‖	3·4	+1·8	40	+18	58	+ 8	·433	+·033	0·7	0	2	0·40	+1·60	0·36	0·11	+0·25	10·10	12·36	− 2·26	0·20	Sirsa.
1	9	7				2	3	S 89° E		3·0‡			8		76		·571		0		3			1·59			33·67			1·28	Patiala.
1	12	2						N 85° E	N 10° W	2·1	1·1	+1·0	46	+42	77	+ 7	·557	+·047	1·0	+0·5	3	0·40	+2·60	1·85	0·03	+1·82	28·85	26·97	+ 1·88	1·65	Ambala.
1								N 45° E	S 55° E	0·2	1·1	−0·9	3	− 8	68	+ 7	·500	+·042	0·6	−0·4	1	0·50	+0·50	0·93	0·33	+0·60	26·93	23·19	+ 3·74	0·90	Ludhiana.
1	3	5	3		2	2		S 48° E	S 83° E	1·5	1·6	−0·1	17	+ 5	62	+ 5	·475	+·042	0·2	−0·3	0	0·40	−0·40	0	0·20	−0·20	11·40	16·36	− 4·96	0	Lahore.
5	6	1	1	1		1		N 71° E	N 54° E	1·1	1·4	−0·3	30	− 2	67	+ 8	·488	+·054	0·2	−0·5	0	1·00	−1·00	0	0·25	−0·25	32·24	24·89	+ 7·35	0	Sialkot.
						1		N 11° W	N 5° W	1·3	1·4	−0·1	13	− 1	55	− 7	·364	−·027	0	−1·0	0	1·30	−1·30	0	0·44	−0·44	27·25	24·38	+ 2·87	0	Rawalpindi.
	8	11	3	2				N 86° E	N 48° E	3·4	3·9	−0·5	62	+19	47	+ 2	·405	+·054	0·4	+0·1	0	0·20	−0·20	0	0·01	−0·01	13·15	10·30	+ 2·85	0	Khushab.
	2	6	4	13	3	1		S 23° E	S 41° E	4·9	4·1	+0·8	62	+26	40	− 6	·357	−·048	0	−0·6	0	0·10	−0·10	0	0·03	−0·03	8·19	7·78	+ 0·41	0	Montgomery.
	1		3	2	2			S 17° E	S 40° E	1·0	1·5	−0·5	17	− 4	52	− 4	·431	−·031	0	−0·4	0	0	0	0	0	0	1·66	5·57	− 4·01	0	Multan.
																															VI.—North-West Frontier Province.
			2		1			S 45° W	S 40° W	0·9	2·3	−1·4	3	−11	62	+ 3	·414	+·031	0·3	−0·6	0	0·40	−0·40	0	0·09	−0·09	13·60	5·68	+7·92	0	Peshawar.
5	1	1					1	N 45° E	N 34° E	0·9	1·1	−0·2	27	+ 2	67	+10	·476	+·069	0·1	−0·4	0	0·20	−0·20	0	0·04	−0·04	6·51	5·32	+1·19	0	D. I. Khan.
																															VII.—Sind.
1								N 24° E	N 41° E	1·1	2·1	−1·0	7	− 4	63	+11	·572	+·134	0	−0·3	0	0	0	0	0	0	2·55	2·67	−0·12	0	Jacobabad.
	1		9	10	1	3		S 40° W	S 56° W	5·3	8·6	−3·3	46	+17	63	+10	·592	+·097	0·5	−0·1	0	0	0	0	0	0	10·10	6·07	+4·03	0	Hyderabad.
2				1	10	3		N 63° W	N 50° W	7·9	9·4	−1·5	37	+ 8	79	+13	·728	+·069	1·6	+0·4	0	0	0	0	0	0	12·16	6·65	+5·51	0	Karachi.
																															VIII.—Rajputana.
2	1	1	3	5	2	2		S 73° W	S 48° W	4·1	4·9	−0·8	17	−30	40	− 7	·364	−·085	0·9	0	1	0·30	+0·70	0·14	0·09	+0·05	12·95	10·12	+2·83	0·14	Bikaner.
4	2			6	2	1		N 43° W		2·4			10		46	+ 5	·410		1·0		0	0·30	−0·30	0	0·17	−0·17	10·08	12·43	− 2·35	0	Jodhpur.
7	2				1	1		N 31° E	N 42° W	2·6*	3·1	−0·5	33	−14	54	+ 4	·479	+·034	1·5	+0·4	2	0·50	+1·50	2·21	0·22	+1·99	16·65	24·48	− 7·83	1·92	Jaipur.
2					1	1		N 4° W	N 53° W	3·8	4·1	−0·3	13	− 9	56	+ 5	·464	+·040	1·3	+0·4	1	0·40	+0·60	0·56	0·13	+0·43	10·70	19·27	− 8·57	0·51	Sambhar.
2		1		1	7	1		N 83° W	S 82° W	4·0	2·8	+1·2	20	− 9	66	+ 7	·492	+·028	1·5	+0·5	1	0·60	+0·40	0·42	0·29	+0·13	16·89	20·38	− 3·49	0·36	Ajmer.
	2				3	3		N 31° W		2·0			20		58	+11	·548		1·8		3	0·60	+2·40	2·92	0·14	+2·78	30·32	25·65	+ 4·67	2·30	Kotah.
1	1		1		6	4		N 57° W		1·9			27		56	+ 1	·480		1·3		0	0·80	−0·80	0·05	0·11	−0·06	25·11	20·74	+ 4·37	0·63	Udaipur.

or plateau stations, the elevations of which exceed 3,000 feet.

‡ Mean of 29 days.
‖ " " 15 "

* Uncorrected for scale error.

† Indeterminate.

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

Number of subdivision.	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.
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.																					
20	Deesa	466	29·455	—·004	29·879	29·593	27th	29·219	1st	·374	77·8	98·1	+1·2	65·2	—1·6	81·7	—0·2	32·9	101·8	5th	56·4	29th
	Bhuj	395	29·534	+·006	29·883	29·656	27th	29·320	1st	·336	79·9	96·2	+0·1	69·4	—1·5	82·8	—0·7	26·8	102·0	5th	62·5	30th
	Jamnagar	61	29·864		29·870	29·956	24th	29·604	1st	·352	82·6	93·6		70·0		81·8		23·6	99·1	2nd	61·6	1st
	Dwarka	37?	29·906		29·890	29·993	26th	29·684	1st	·309	79·2	85·6		74·0‡		79·7‡		11·6	94·3	28th	66·7	25th & 31st.
	Rajkot	429	29·495	—·008	29·876	29·586	27th.	29·250	1st	·336	78·9	94·1	—1·2	67·3	—0·8	80·7	—1·0	26·8	98·1	15th	58·5	29th & 30th.
	Veraval	18	29·909	—·004	29·869	29·986	23rd	29·695	1st	·291	78·8	87·1	—2·2	71·6	—0·7	79·3	—1·5	15·5	94·1	25th, 26th & 29th.	66·3	25th & 29th.
	Bhavnagar Para	55	29·888	—·018	29·887	29·981	27th	29·636	1st	·345	78·4	95·2	—0·9	69·4	—2·6	82·3	—1·7	25·8	98·6	5th	61·0	25th
	Surat	39	29·881	—·016	29·863	29·958	23rd	29·640	1st	·318	77·6	91·8	—1·2	70·4	—0·4	81·1	—0·8	21·4	96·1	14th	62·6	23rd
	Ahmedabad	163	29·755	—·018	29·869	29·880	27th	29·512	1st	·368	77·5	95·7	—1·0	70·6	—1·5	83·2	—1·3	25·1	99·6	15th	64·7	27th & 30th.
26	Bombay	37	29·882	—·016	29·859	29·943	23rd	29·686	2nd	·257	78·2	87·0	—0·5	75·8	—0·7	81·4	—0·6	11·2	90·5	26th	72·5	22nd, 23rd & 29th.
	Ratnagiri	110	29·793	—·011	29·842	29·846	20th	29·651	2nd	·195	78·9	86·2	—2·0	73·3	—0·7	79·8	—1·3	12·9	93·3	24th & 30th.	65·4	23rd
	Goa	199	?	?	?	?	?	?	?	?	77·9	83·8	—1·5	75·8	+0·2	79·8	—0·6	8·0	89·6	30th	71·1	22nd & 24th.
	Mormugao	60	29·850	—·022	29·845	29·896	20th	29·754	2nd	·142	77·9	84·0	—2·0	74·2	—1·4	79·1	—1·7	9·8	88·0	28th, 29th & 30th.	70·2	22nd & 24th.
	Karwar	44	29·871	—·016	29·850	29·924	9th	29·787	2nd	·137	76·3	84·8	—0·8	73·7	+0·3	79·1	—0·3	10·9	90·3	30th	66·0	24th
27	Malegaon	1,430	28·490	—·018	29·879	28·587	27th	28·238	1st	·349	73·5	88·5	—2·1	63·1	—2·7	75·8	—2·4	25·4	91·9	14th	52·1	29th
	Ahmednagar	2,154	27·799	+·002	29·876	27·873	28th	27·576	1st	·297	74·2	85·9	—2·2	64·8	+0·2	75·4	—1·0	21·1	88·4	13th	54·0	23rd
	Poona	1,846	28·084	—·013	29·879	28·161	27th	27·873	1st	·288	72·6	85·7	—2·8	65·7	—0·8	75·7	—1·8	20·0	88·5	13th, 14th & 18th.	52·3	23rd
	Sholapur	1,590	28·214	—·025	29·841	28·406	27th	28·118	1st	·288	76·2	88·7	—1·2	68·7	+0·6	78·7	—0·3	20·0	92·3	17th	58·9	23rd
	Bijapur	1,948	27·963	—·017	29·840	28·040	27th	27·787	1st	·253	74·9	86·8	—1·4	68·4	+0·6	77·6	—0·4	18·4	96·2	12th	61·7	23rd & 24th.
	Belgaum	2,530	27·371	—·020	29·822	27·429	27th	27·247	1st	·182	71·3	80·6	—2·5	65·4	+0·4	73·0	—1·1	15·2	85·3	11th & 22nd.	59·5	21st & 23rd.
	X.—Central India.																					
21	Neemuch	1,624	28·295	—·016	29·883	28·442	27th	28·054	2nd	·388	72·2	89·5	—0·9	61·8	—2·7	75·7	—1·8	27·7	92·0	7th, 14th & 30th.	53·7	28th
	Indore	1,823	28·098	—·010	29·877	28·232	27th	27·840	1st	·392	73·3	85·7	—2·2	61·9	—1·7	73·8	—1·9	23·8	87·6	13th & 28th.	53·1	29th
22	Nowgong	754	29·138	—·021	29·865	29·280	26th	28·904	3rd	·376	71·4	87·3	—3·0	64·7	—0·4	76·0	—1·7	22·6	91·0	10th	55·0	22nd & 23rd.
	Sutna	1,041	28·845	—·022	29·856	29·011	26th	28·618	3rd	·393	73·7	87·0	—0·9	67·4	+1·7	77·2	+0·4	19·6	91·0	1st	58·7	28th & 29th.
	XI.—Central Provinces.																					
23	Buldana	2,132	27·805		29·893	27·925	27th	27·553	2nd	·372	75·6	83·1		67·0		75·0		16·1	85·4	12th	61·7	24th
	Akola	930	28·087	—·011	29·875	29·104	27th	28·726	2nd	·378	75·3	89·9	—1·4	64·9	—1·3	77·4	—1·3	25·0	92·7	16th	53·1	24th
	Amraoti	1,215	28·694?	—·012?	29·838?	28·824	27th	28·432	2nd	·392	75·5	87·8	—2·8	68·2	0	78·0	—1·4	19·6	90·8	11th	60·8	23rd
24	Khandwa	1,044	28·871	—·008	29·887	28·999	27th	28·610	1st & 2nd.	·389	70·8	88·6	—2·5	63·6	—2·7	76·1	—2·6	25·0	91·2	30th & 31st.	53·1	28th
	Hoshangabad	1,006	28·911	—·019	29·888	29·060	27th	28·655	2nd	·405	70·6	87·0	—2·6	64·4	—2·5	75·7	—2·5	22·6	89·1	9th, 10th & 13th.	54·4	28th
	Saugor	1,807	28·091?	—·026?	29·844?	28·241	26th	27·859	3rd	·382	75·5	85·8	—1·8	65·2	—0·5	75·5	—1·4	20·6	89·1	31st	58·6	23rd
	Jubbulpore	1,327	28·572	—·017	29·869	28·725	26th	28·325	2nd	·400	71·3	85·0	—2·4	64·5	+0·5	74·8	—0·9	20·5	88·3	10th	53·8	28th
	Seoni	2,034	27·889	—·006	29·871	28·024	27th	27·663	2nd	·361	73·0	83·6	—3·0	64·4	+0·2	74·0	—1·8	19·2	86·5	19th	50·5	31st
	Nagpur	1,017	28·884	—·010	29·863	29·020	27th	28·643	2nd	·377	74·5	87·9	—2·2	68·0	—0·4	78·0	—1·3	19·9	91·1	9th	56·8	31st
25	Pendra	2,123?	27·855?		29·837?	28·011	26th	27·634	2nd	·377	72·2	82·1		65·1		73·6		17·0	85·8	1st	54·7	29th
	Raipur	970	28·922	—·020	29·851	29·066	27th	28·682	2nd	·384	75·0	85·1	—3·2	71·8	+2·1	78·5	—0·5	13·3	88·7	7th & 11th.	62·1	31st
	Chanda	634	29·258	—·024	29·845	29·382	28th	29·009	2nd	·373	76·2	87·4	—2·7	70·4	+1·9	78·9	—0·4	17·0	90·5	4 days	56·5	30th
	Jagdalpur		28·102		29·846	28·204	26th	27·937	1st	·267	74·7	83·0		70·0		76·5		13·0	87·2	8th	62·6	31st

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 fe

‡ Mean of 28 days.

B—*continued.*

stations in India, etc., in October, 1910—continued.

Wind direction. Number of winds from Calm (25)	N. (26)	N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction. (34)	Normal direction. (35)	Wind velocity. Mean velocity, miles per hour. (36)	Normal. (37)	Departure from normal. (38)	Wind stress. Actual percentage. (39)	Departure from normal. (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal. (42)	Mean vapour tension at 8 hrs., in inches of mercury. (43)	Departure from normal, in inches of mercury. (44)	Cloud. Mean cloud amount at 8 hrs. (45)	Departure from normal. (46)	Rainfall. Number of rainy days. (47)	Normal number of rainy days. (48)	Departure from normal. (49)	Rainfall of month. (50)	Normal rainfall of month. (51)	Departure from normal. (52)	Total rainfall from 1st May to 31st October, 1910. (53)	Normal rainfall for period, 1st May to 31st October. (54)	Departure from normal of period, 1st May to 31st October, 1910. (55)	Heaviest rainfall during month. (56)	Station (57)
																																IX.—Bombay.
5	2		2	2			6	13	N 47° W	N 62° W	6·3	6·8	−0·5	53	+ 4	54	+ 4	·518	+·031	1·2	−0·1	0	0·45	−0·45	0	0·28	−0·28	23·27	23·61	−0·34	0	Deesa.
1	3	9	3			4	7	4	N 36° W		9·7			32		63		·696		0·5		0			0			29·35			0	Jamnagar.
2	6	1	1	1	1	2	5	10	N 37° W		7·9			49		78		·775		2·6		0			0			13·78			0	Dwarka.
5	4	4	4				9	5	N 29° W	N 5° W	6·5	5·7	+0·8	40	+ 1	66	− 1	·636	−·022	1·7	+0·5	0	0·90	−0·90	0	0·49	−0·49	33·27	27·62	+ 5·65	0	Rajkot.
5	8	7	2				6	2	N 2° W	N 2° E	7·1	6·1	+1·0	46	−19	73	+ 7	·710	+·048	1·6	−0·7	0	0·10	−0·10	0	0·77	−0·77	17·30	17·55	− 0·25	0	Veraval.
	4	2	1			2	3	19	N 42° W	N 73° W	4·8	6·8	−2·0	75	+30	61	− 3	·601	−·049	2·8	+1·3	1	0·90	+0·10	1·73	0·29	+1·44	26·42	18·99	+ 7·43	1·73	Bhavnagar Para.
2	10	4	9	1	1	2	2		N 43° E	N 53° E	3·4	4·4	−1·0	46	+28	64	− 9	·621	−·097	1·5	−0·5	2	2·20	−0·20	1·28	2·00	−0·72	36·26	43·73	− 7·47	1·15	Surat.
	6	9	6	2			2	6	N 26° E	N 8° E	3·9	3·3	+0·6	56	+23	59	+ 3	·550	−·001	1·4	−0·3	1	0·80	+0·20	0·65	0·77	−0·12	25·41	32·56	− 7·15	0·65	Ahmedabad.
	3	11	10	1		2	3	1	N 55° E	N 81° E	8·7*	9·1	−0·4	53	−15	83	+ 1	·805	−·040	4·5	+1·1	2	2·70	−0·70	4·29	2·24	+2·05	67·72	74·45	− 6·73	3·83	Bombay.
1	4	2	6	1	1	1	1	2	N 49° E	S 68° E	7·8	6·2	+1·6	23	−17	81	+ 3	·798	−·007	4·6	+0·9	3	5·00	−2·00	1·90	4·47	−2·57	85·03	106·61	−21·58	1·41	Ratnagiri.
2	3	4	11		1	5	3		N 80° E	N 80° E	5·8	4·1	+1·7	23	−33	85	0	·812	−·041	7·6	+3·6	4			1·14	5·42	−4·28	87·47	96·66	− 9·19	0·45	Goa.
	1	1	9	4	4	2	1	4	S 77° E	S 67° E	6·0*	6·1	−0·1	23	− 6	92	+ 2	·876	−·014	6·5	+2·5	2			0·94	6·17	−5·23	83·02	91·18	− 8·16	0·40	Mormugao.
	2	9		1		9		2	N 15° W	N 48° E	3·3*	2·5	+0·8	10	−37	88	− 1	·803	−·010	4·9	+0·9	4	8·50	−4·50	1·51	7·26	−5·75	111·20	120·97	− 9·77	0·78	Karwar.
	2	3					3	11	N 36° W	N 61° W	4·6	5·8	−1·2	49	+10	64	+ 1	·543	−·037	1·7	−1·4	2	3·00	−1·00	0·88	2·42	−1·54	28·81	23·04	+ 5·77	0·60	Malegaon.
	7	4	1	1		2	2	14	N 27° W	N 35° E	8·8	8·0	+0·8	62	+30	64	− 4	·543	−·057	1·9	−0·8	4	5·20	−1·20	2·26	2·14	+0·12	31·51	20·27	+11·24	1·20	Ahmednagar.
	4	3	6	1		2	7	5	N 23° W	S 69° E	5·4*	6·3	−0·9	27	+20	77	+ 6	·617	+·016	5·5	+1·6	6	5·60	+0·40	4·95	4·40	+0·55	31·67	25·82	+ 5·85	1·26	Poona.
	2	9	6			3	1	3	N 40° E	N 68° E	5·7	8·2	−2·5	33	+10	70	+ 7	·624	+·043	5·6	+1·2	3	4·70	−1·70	0·84	4·16	−3·32	27·96	28·57	− 0·61	0·28	Sholapur.
	4	6	2	3		4	1	10	N 14° W	N 77° W	5·9	4·0	+1·9	33	+25	72	− 2	·618	−·042	3·0	−1·0	4	6·60	−2·60	1·16	4·50	−3·34	22·28	21·94	+ 0·34	0·39	Bijapur.
	2	1	4	6	1		1	5	N 77° E	N 53° E	12·7	9·6	+3·1	13	− 5	82	+ 2	·628	+·003	5·7	+1·2	7	8·70	−1·70	3·37	5·96	−2·59	40·12	45·85	− 5·73	1·03	Belgaum.
																																X.—Central India.
5	3	3	1	1	6	5	3		N 59° W	N 2° E	4·0	6·0	−2·0	20	+ 2	61	+12	·492	+·037	1·9	+0·8	1	0·90	+0·10	0·26	0·41	−0·15	30·14	29·10	+ 1·04	0·26	Neemuch.
4	4	1	2	2		1	2		N 31° E	N 18° E	2·1	2·2	−0·1	20	− 5	67	+ 5	·556	+·014	2·2	+0·8	3	2·40	+0·60	2·63	1·43	+1·20	34·78	32·61	+ 2·17	1·76	Indore.
		1	1		6	4	9		S 51° W	S 67° W	1·4	1·5	−0·1	43	+18	77	+ 8	·610	+·043	3·0	+1·2	0	1·70	−1·70	0·01	1·25	−1·24	40·28	42·68	− 2·40	0·01	Nowgong.
1			3	2	1	5	3	4	S 66° W	N 27° W	1·2	3·9	−2·7	17	−32	74	+ 8	·628	+·058	3·0	+1·4	5	2·10	+2·90	2·32	2·45	−0·13	35·58	43·00	− 7·42	0·95	Satna.
																																XI.—Central Provinces.
3	6	9	2		2	5	4		N 38° E		4·7	5·2	−0·5	29		55		·486		4·0		4			4·15	2·52	+1·63	36·88	33·98	+2·90	2·08	Buldana.
2	5	6	1		1	6	3		N 12° E	N 53° E	3·8	3·5	+0·3	20	+ 2	68	− 1	·562	−·008	4·7	+2·2	4	2·70	+1·30	1·73	2·74	−1·01	34·60	31·74	+ 2·86	0·71	Akola.
1	11	9	1	1		3	1		N 60° E	N 63° E	5·2	3·8	+1·4	53	+21	59	− 2	·532	−·030	4·3	+1·8	1	2·40	−1·40	1·24	2·33	−1·09	38·04	32·36	+ 5·68	1·23	Amraoti.
3	6	1	3	1	4	6	4		N 46° W	N 2° E	4·6†	3·1	+1·5	20	+ 9	72	+10	·569	+·028	3·4	+1·5	4	2·00	+2·00	1·95	1·45	+0·50	26·88	30·13	− 3·75	0·88	Khandwa.
	1	3							N 79° E	N 79° E	1·3	1·7	−0·4	13	− 5	79	+ 8	·612	+·043	2·7	+0·6	4	2·10	+1·90	3·06	1·75	+1·31	54·85	50·24	+ 4·21	1·43	Hoshangabad.
1	2		5	4	9	3	1		S 25° W	S 27° W	3·3	3·1	+0·2	40	+26	57	− 3	·487	−·013	3·3	+1·8	0	2·10	−2·10	0·13	1·27	−1·14	36·61	46·11	− 9·50	0·09	Saugor.
	1	2	4	6	1		1		S 27° E	S 27° E	1·3	1·9	−0·6	30	− 9	76	+ 3	·611	+·005	3·4	+1·4	1	2·20	−1·20	0·97	1·86	−0·89	46·04	56·44	−10·40	0·87	Jubbulpore.
1	10	2	2	2		1	3		N 41° E	N 9° E	4·2	2·7	+1·5	43	+20	62	− 4	·561	−·064	3·9	+1·6	4	2·80	+1·20	3·69	2·03	+1·66	54·37	51·75	+ 2·62	2·44	Seoni.
8	12	3	1	2		1	2		N 23° E	N 7° E	3·9	3·9	−0·9	69	+30	66	+ 1	·577	−·018	3·9	+1·1	4	3·10	+0·90	2·50	2·43	+0·07	55·78	46·43	+ 9·35	1·11	Nagpur.
9	2	1	1	3	1		8		N 15° W		3·1			40		72		·578		3·8		5			2·66			28·59			1·30	Pendra.
1	8	6	1	6	3	2	2		S 83° E	N 27° E	3·3	3·8	−0·5	23	+ 5	84	+12	·729	+·075	6·6	+3·2	8	3·10	+4·90	3·15	2·09	+1·06	64·06	48·01	+15·85	0·96	Raipur.
5		1	2			1	5		N 17° W	N 14° E	2·4	2·3	+0·1	23	+ 5	77	+ 5	·711	+·048	5·6	+3·0	3	2·70	+0·30	1·62	2·00	−0·38	47·83	51·88	−4·05	1·20	Chanda.
1	8	3	6	2	4	1	4		N 86° E					20		84		·723		6·4		14			10·75			67·32			1·60	Jagdalpur.

* Uncorrected for scale error. † Mean of 30 days. ‡ Mean of 10 days.

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

Number of subdivision.	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.
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	28·037	−·026	29·874	28·132	27th	27·796	2nd	·336	76·0	86·1	−4·4	65·8	−0·4	75·9	−2·4	20·3	88·7	13th	56·2	21st
	Nizamabad	1,248	28·639	−·015	29·835	28·743	26th	28·417	2nd	·326	75·8	86·0	−2·9	69·6	+1·3	77·8	−0·8	16·4	89·4	11th & 12th.	61·7	23rd
	Bidar	*2,165*	27·660?		29·776?	27·764	27th	27·487	2nd	·277	74·2	83·6		69·5		76·6		14·1	86·6	13th & 15th.	65·5	23rd
29	Gulbarga	1,503	28·400	−·027	29·843	28·486	27th	28·234	2nd	·252	75·9	87·8	−2·2	69·7	+0·7	78·7	−0·7	18·1	91·0	14th	63·3	21st
	Raichur	*1,311*	28·593	−·008	29·846	28·681	27th	28·439	2nd	·245	77·1	88·1	−0·9	72·3	+0·1	80·2	−0·4	15·8	90·6	12th, 13th & 14th.	66·1	21st
	Hyderabad (Deccan)	1,690	28·2[illegible]5	−·024	29·832	28·306	27th	28·015	2nd	·291	74·8	85·1	−2·5	70·9	+2·8	78·0	+0·1	14·2	90·3	12th	67·7	21st & 23rd.
	Hanumkonda	577	29·020	−·025	29·845	29·127	26th	28·810	2nd	·317	77·9	85·8	−4·3	73·1	+1·5	79·5	−1·4	12·7	89·5	12th	70·2	23rd
	XIII.—Mysore.																					
30	Chitaldrug	2,405	27·518	−·020	29·833	27·576	27th	27·411	2nd	·165	72·1	81·7	−2·9	67·2	−0·6	74·5	−1·7	14·5	85·6	14th	63·9	4th
	Hassan	3,149	26·817?	−·010?	29·892?	26·869	27th	26·743	2nd	·126	69·9	79·9	−1·4	64·8	+0·5	72·4	−0·5	15·1	83·6	9th	61·1	4th
	Bangalore	3,021	2[illegible]·9[illegible]5	−·021	29·831	26·900	27th	26·854	2nd	·136	70·1	80·9	−0·5	65·4	+0·2	73·2	−0·1	15·5	85·8	9th	61·8	10th
	Mysore	2,518	27·425	−·019	29·840	27·473	27th	27·359	2nd	·114	71·4	82·9	−1·2	67·0	0	75·0	−0·6	15·9	87·0	4 days	62·5	3rd
	XIV.—Madras.																					
31	Mangalore	65	29·852	−·026	29·849	29·934	19th	29·796	2nd	·108	78·9	85·3	−1·5	71·1	−2·8	78·2	−2·1	14·2	87·8	11th	67·8	3rd
	Calicut	27	29·8[illegible]	−·026	29·845	29·934	19th	29·837	2nd	·097	77·2	83·6	−2·6	74·7	+0·2	79·2	−1·2	8·9	85·8	4 days	73·1	5th & 18th
	Cochin	9	29·927	−·008	29·853	29·935	9th	29·874	29th	·111	78·7	85·7	−0·5	74·8	+0·2	80·3	−0·1	10·9	89·2	18th	71·7	19th
	Trivandrum	198	29·745	−·005	29·865	29·776	9th	29·687	2nd	·089	77·2	82·5	−0·2	74·7	+1·9	78·6	+0·9	7·8	85·0	24th	73·0	4 days
32	Tinnevelly	168	29·742	−·012	29·839	29·786	27th	29·676	2nd	·110	83·2	95·4	+1·7	76·2	−0·4	85·8	+0·7	19·2	101·2	6th	71·9	29th
	Paimban	37	29·838	−·023	29·823	29·911	26th	29·795	2nd	·116	80·2	88·4	+1·3	76·6	−0·7	82·5	+0·3	11·8	91·2	3rd & 7th	72·5	28th
	Madura	417	29·462	−·002	29·813	29·506	9th	29·388	2nd	·118	80·1	91·1	−0·2	73·0	−1·0	82·1	−0·6	18·1	97·4	3rd	70·1	26th
	Pudukkottai	318	29·5[illegible]0		29·822	29·613	11th	29·49[illegible]	3rd	·121	79·6	89·7		74·8		82·2		15·1	94·8	5th	70·4	2nd
	Negapatam	31	29·859	−·024	29·819	29·905	9th	29·771	2nd	·134	81·0	89·2	+0·8	76·3	+0·4	82·8	+0·6	12·9	93·0	3rd	71·0	21st
	Trichinopoly	255	29·643	−·016	29·836	29·692	27th	29·572	2nd	·120	80·3	91·4	+0·4	74·5	+0·2	82·9	+0·3	16·9	100·1	3rd	70·3	13th
	Coimbatore	1,341	28·562	−·023	29·841	28·600	27th	28·490	2nd	·110	75·1	87·3	−1·0	70·6	0	79·0	−0·5	16·7	93·4	11th	69·3	6 days
	Salem	940	28·984?	−·023?	29·865?	29·041	27th	28·891	1st	·150	76·6	89·4	−0·2	72·7	+1·6	81·1	+0·7	16·7	95·5	9th	69·4	13th
	Cuddalore	37	29·853	−·020	29·820	29·911	26th	29·759	2nd	·152	80·1	88·8	+0·7	75·2	+0·5	82·0	+0·6	13·6	95·1	2nd	70·2	16th
	Vellore	707	29·177		29·830	29·238	27th	29·089	2nd	·149	75·2	88·9		73·5		81·2		15·4	94·7	4th & 5th.	71·0	19th, 24th & 25th.
	Madras	22	29·868	−·026	29·821	29·944	26th	29·770	2nd	·174	80·5	89·5	+0·5	75·8	+0·7	82·6	+0·6	13·7	97·5	3rd	70·5	12th
33	Cuddapah	423	29·463	−·019	29·835	29·555	26th	29·344	2nd	·211	79·2	89·6	−2·3	74·7	+0·5	82·1	−0·9	14·9	96·2	9th	70·6	31st
	Bellary	1,475	28·423	−·020	29·837	28·511	27th	28·286	2nd	·225	76·0	88·0	−1·7	71·7	+0·6	79·9	−0·5	16·3	93·0	13th	68·3	18th & 31st.
	Kurnool	923	28·961	−·029	29·829	29·054	26th	28·814	2nd	·240	76·9	88·2	−2·7	73·0	+2·0	80·6	−0·3	15·2	92·7	11th	70·6	29th
34	Nellore	66	29·814	−·021	29·816	29·911	26th	29·692	2nd	·219	79·6	88·2	−3·0	75·9	+0·1	82·1	−1·5	12·3	97·6	7th	72·1	28th, 30th & 31st.
	Masulipatam	15	29·878	−·010	29·828	29·976	26th	29·731	2nd	·245	79·3	86·1	−2·8	75·8	−0·2	81·0	−1·5	10·3	93·3	6th	72·2	29th
	Cocanada	26	29·838	−·011	29·831	29·974	26th	29·728	1st	·246	78·8	84·8	−3·1	76·6	+0·8	80·7	−1·1	8·2	92·2	6th	73·5	31st
	Waltair (Vizagapatam).†	*996*	29·659	−·023	29·828	29·797	26th	29·485	1st	·312	78·1	83·9		75·4		79·6		8·5	88·1	8th	72·4	16th & 23rd.
	Calingapatam	19	29·875		29·834	30·004	26th	29·705	1st	·299	78·8	86·9‡		76·1		81·9‡		10·8	91·4	6th, 7th & 8th.	70·5	31st
	Gopalpur	72	29·811	−·021	29·825	29·937	26th	29·621	1st	·316	77·9	84·5	−3·4	76·5	+1·3	80·0	−0·9	9·0	89·7	9th	67·5	31st

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 2½ days.
‡ " of 2½ "

B—*continued.*

stations in India, etc., in October, 1910—continued.

Wind direction. Number of winds from Calm. (25)	N. (26)	N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction. (34)	Normal direction. (35)	Wind velocity. Mean velocity, miles per hour. (36)	Normal. (37)	Departure from normal. (38)	Wind steadiness. Actual percentage. (39)	Departure from normal. (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal. (42)	Mean vapour tension at 8 hrs., in inches of mercury. (43)	Departure from normal in inches of mercury. (44)	Cloud. Mean cloud amount at 8 hrs. (45)	Departure from normal. (46)	Rainfall. Number of rainy days. (47)	Normal number of rainy days. (48)	Departure from normal. (49)	Rainfall of month. (50)	Normal rainfall of month. (51)	Departure from normal. (52)	Total rainfall from 1st May to 31st October, 1910. (53)	Normal rainfall for period, 1st May to 31st October 1910. (54)	Departure from normal of period, 1st May to 31st October, 1910. (55)	Heaviest rainfall during month. (56)	Station. (57)
																															XII.—Hyderabad.	
8	2	5	7	3		1	3	2	N 61° E		7·7			27		61	+ 5	·539		5·1		3	3·40	−0·40	2·81	1·80	+1·01	31·95	26·03	+5·92	1·20	Aurangabad.
14	4	4	1		1	5		2	N 17° W		4·1			13		77	+ 4	·695		3·5		6	2·90	+3·10	3·28	1·87	+1·41	42·53	38·19	+4·39	1·03	Nizamabad.
4	2	12	3	3		4		3	N 48° E		5·7			39		75		·630		7·3		8	4·40	+3·60	2·90	3·07	−0·17	44·97	36·21	+8·76	0·83	Bidar.
2	3	11	7			3	2	3	N 38° E	N 72° E	7·9	8·3	−0·4	46	+23	70	0	·610	−·033	2·9	−0·7	7	5·00	+2·00	2·39	3·09	−0·70	31·72	29·35	+2·37	0·67	Gulbarga.
7	2	5	6	2	1	3	2	3	N 56° E	S 79° E	5·6	7·2	−1·6	20	+14	72	+ 1	·676	+·003	5·9	+2·5	1	4·20	−3·20	0·66	4·31	−3·65	19·59	28·64	−9·05	0·54	Raichur.
27							4		W	S 68° E	2·8	3·9	−1·1	13	+ 5	81	+ 6	·694	+·026	6·7	+3·1	8			4·22	2·71	+1·51	25·93	28·45	−2·52	1·34	Hyderabad (Deccan).
13	7	1			1	2	1	6	N 32° W		3·3			37		81	+11	·765		6·7		10	4·10	+5·90	6·56	1·82	+4·74	38·33	29·87	+8·46	1·25	Hanumkonda.
																															XIII.—Mysore.	
7			7	2		4	9	2	S 59° W	S 45° W	4·4	5·6	−1·2	20	+ 6	85	+ 9	·671	+·023	7·9	+1·8	9	7·70	+1·30	6·92	3·28	+3·64	31·73	21·00	+10·73	1·33	Chitaldrug.
4	1	4	5	1		3	8	5	N 45° W	N 53° E	5·5	2·5	+3·0	26	+ 3	87	+ 5	·639	+·013	6·7	−0·4	18	9·50	+8·50	7·80	6·64	+1·16	33·06	28·72	+4·34	1·06	Hassan.
2	2	5	4	1		4	12	1	N 70° W	N 1° E	5·9	4·7	+1·2	23	+20	88	+ 5	·648	+·021	8·0	+1·9	12	9·30	+2·70	10·75	6·36	+4·39	40·91	29·28	+11·63	2·67	Bangalore.
2		3	3	2	1	10	8	2	S 58° W	S 72° W	6·7	7·3	−0·6	40	+22	86	+ 3	·664	+·005	8·6	+1·6	14	9·40	+4·60	12·03	6·98	+5·10	38·45	25·01	+13·44	3·02	Mysore.
																															XIV.—Madras.	
6	2	2	14	1	2		2	2	N 80° E	S 83° E	3·7*	2·2	+1·5	43	+ 3	85	− 2	·847	+·003	5·5	−0·4	11	10·30	+0·70	4·05	7·55	−3·50	109·06	119·04	−9·98	0·79	Mangalore.
5		1	3	8	2	1	7	4	S 14° W	N 76° E	5·0	7·4	−2·4	17	−30	91	+ 5	·850	+·014	7·4	+1·7	16	11·80	+4·20	15·44	9·75	+5·69	94·69	104·12	−9·43	4·00	Calicut.
5	1	13	8	2				2	N 60° E	N 34° E	7·3*§	4·4	+2·9	66	+12	81	− 4	·796	−·055	6·6	+0·9	15	14·80	+0·20	17·07	13·92	+3·15	98·74	98·96	−0·22	3·55	Cochin.
8	7	1					2	13	N 31° W	N 14° W	4·7*	5·0	−0·3	66	+18	85	+ 2	·811	+·001	7·1	+0·3	18	11·90	+6·10	17·17	10·49	+6·68	53·84	46·63	+7·21	4·62	Trivandrum.
9	2	2	1	1	1	2	7	6	N 64° W	N 51° W	4·3	4·4	−0·1	33	−20	69	− 3	·766	−·010	4·2	−1·6	8	8·40	−0·40	6·82	6·30	+0·52	13·44	10·28	+3·16	1·67	Tinnevelly.
3	1	1	1	3	6	7	4	5	S 48° W	S 68° W	8·5	8·6	−0·1	40	+18	83	+ 3	·849		5·4		8	9·50	−1·50	9·75	8·63	+1·12	16·11	11·59	+4·52	2·90	Pamban.
	3	5	3	1			9	10	N 35° W	N 14° W	5·1	2·5	+2·6	53	− 8	82	+ 8	·825	+·069	6·9	+1·1	12	11·40	+0·60	9·34	8·61	+0·73	31·39	23·25	+8·14	2·13	Madura.
11	4	2	2			2	3	7	N 34° W		5·7			36		77		·769		6·0		8			5·19			32·87			1·42	Pudukkottai.
2	2	1		2		10	11	3	S 79° W	N 85° W	6·5	4·7	+1·8	59	+19	81	0	·849	−·013	6·3	−0·1	12	11·00	+1·00	15·93	11·65	+4·28	33·73	23·75	+9·98	3·57	Negapatam.
11		2			1	6	9	2	S 80° W	N 77° W	2·5*	3·8	−1·3	43	+ 7	76	− 4	·780	−·023	5·1	−1·2	13	9·70	+3·30	13·67	7·15	+6·52	33·91	21·16	+12·75	3·35	Trichinopoly.
22						9			S 45° W	S 4° E	4·9	2·8	+2·1	27	+ 2	89	+ 2	·775	+·001	6·2	+0·5	10	9·40	+0·60	10·54	5·98	+4·56	17·43	13·58	+3·85	3·43	Coimbatore.
13	1			1	1	6	7	2	S 73° W	S 40° W	3·2	2·5	+0·7	40	+29	91	0	·740	−·041	5·1	−0·8	10	9·50	+0·50	11·81	6·72	+5·09	37·18	32·20	+4·98	2·60	Salem.
12	3		1		3	6	3	3	S 76° W	N 69° W	5·1	2·2	+2·9	27	−20	83	− 5	·855	−·054†	6·1	+0·1	14	10·00	+4·00	16·05	11·66	+4·39	36·97	29·01	+7·96	3·64	Cuddalore.
28		1		4	3				S 31° E		0·1			19		83		·802		6·0		12	9·30	+2·70	11·88	7·51	+4·37	53·53	28·18	+25·35	2·19	Vellore.
3	2		1		7	6	4	9	S 78° W	N 83° W	4·9*	4·8	+0·1	43	+11	83	0	·859	−·014	5·5	−0·2	10	12·50	−2·50	9·64	11·45	−1·81	28·40	28·93	−0·53	2·15	Madras.
	1	3	4	4		5	8	6	N 82° W	N 72° E				23	+ 1	79	+ 4	·790	+·012	7·1	+2·2	10	6·70	+3·30	3·70	5·78	−2·08	40·62	26·73	+13·89	0·92	Cuddapah.
10	2	2	4			2	6	5	N 45° W	N 62° W	3·3	4·3	−1·0	27	+20	76	+ 8	·675	+·040	5·3	−0·4	3	6·70	−3·70	2·07	4·27	−2·20	20·49	16·65	+3·84	1·19	Bellary.
9	3	5	1	2	1	3	1	6	N 12° W	N 68° W	4·2*			20	+13	84	+11	·767	+·060	5·5	+1·4	6	5·90	+0·10	2·84	4·01	−1·17	25·97	25·81	+0·16	1·32	Kurnool.
1	6	2	2	2	2	4	6	6	N 57° W	N 68° W	3·8*§	4·4	−0·6	30	+12	87	+ 6	·873	−·007	8·0	+2·5	17	8·70	+8·30	15·93	7·33	+8·60	26·33	20·14	+6·19	2·55	Nellore.
8	1	5	2	3	3	3	2	4	N 82° E	N 1° E	4·5	4·6	−0·1	2	−38	89	+ 5	·894	+·012	7·8	+2·6	17	8·60	+8·40	14·94	8·42	+6·52	46·18	32·95	+13·23	3·10	Masulipatam
11	2	13	1			1	2	1	N 31° E	N 11° W	6·8	7·6	−0·8	43	−18	89	+12	·882	+·083	7·8	+3·0	16	9·40	+6·60	8·24	8·72	−0·48	34·18	31·64	+2·54	1·78	Cocanada.
	3	6				4	7	4	N 49° W	N 74° W	8·4‖			42	− 3	84	+ 9	·820	+·010	6·7	+1·9	18	8·20	+9·80	15·14	10·23	+4·91	52·68	34·39	+18·29	2·84	Waltair (Vizagapatam).
6	7	6				1	3	8	N 17° W		4·9			55		89		·859		6·9		14			11·79			44·39			3·10	Calingapatam.
1	12					3	3	12	N 36° W	N 22° W	10·0	7·9	+2·1	72	− 3	92	+10	·869	+·050	5·5	+1·0	14	7·90	+6·10	16·70	9·41	+7·29	57·13	40·50	+16·63	3·76	Gopalpur.

* Uncorrected for scale error.

† Mean of 30 days.

‖ " " 23 "

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. 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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Bay Islands.																						
1	P. V. Fraser	8	29·905*		29·835*	30·000	26th & 27th.	29·710	1st	·290	82·5												
	Port Blair	58	29·863	+·003	29·851	29·909	9th	29·805	1st	·104	79·1	84·8	−2·1	75·8	−1·5	80·3	−1·8	9·0	89·2	28th	73·0	25th	16
	Slipper Island	90	29·819		29·843	29·865	14th & 22nd.	29·725	30th	·140	81·2	85·0		76·5		80·8		8·5	91·6	18th	67·6	20th	24
	Kashmir.																						
14	Muzaffarabad	2,475	27·558		30·057	27·721	30th	27·402	3rd	·319	66·3	82·7		61·8		72·2		20·9	88·2	28th	64·1	19th	21
	Srinagar	5,204	24·948	−·037	24·919	25·069	25th & 26th.	24·837	3rd	·232	45·2	74·1	+4·4	38·7	−1·1	56·4	+1·7	35·4	81·1	7th	33·1	28th	48
	Gulmarg†	*8,569*	21·914		21·882	22·012	12th	21·846	3rd	·166	46·8	61·1		34·1		47·6		27·0	65·2	1st	28·8	15th	36
	Sonemarg	*8,764*	21·906		21·874	21·999	27th	21·836	3rd	·163	34·8	62·0		29·7		45·9		32·3	73·4	7th	25·1	21st, 22nd & 27th.	48
	Dras	*10,059*	20·848	−·036	20·816	20·969	26th	20·750	29th	·219	34·8	59·5	+1·8	24·9	−2·4	42·2	−0·3	34·6	69·9	7th & 11th	19·0	27th	50
	Leh	11,503	19·770	−·010	19·738	19·884	26th	19·676	30th	·208	39·9	59·1	+0·5	30·8	+0·9	44·9	+0·7	28·3	70·6	7th	24·5	31st	46
	Skardu	*7,505*	22·934	−·028	22·904	23·057	27th	22·803	10th	·254	49·0	68·4	+2·0	41·8	+0·2	55·1	+1·1	26·6	78·9	4th	34·1	5 days	44
	Minimarg	*9,359*				Obse	rvations	not ava	ilable.														
	Astor	*7,955*																					
	Gilgit	4,890	25·166		25·139	25·330	25th	25·030	3rd	·300	61·3	78·6	+4·7	52·8	−0·3	65·7	+2·2	25·8	89·2	7th & 8th	46·2	31st	43
	Baluchistan.																						
16	Quetta	5,502	24·729	+·001	24·689	24·834	27th	24·636	3rd	·198	55·2	77·7	+3·1	††36·1	††−5·0	††58·3	−0·9	41·6	84·6	7th	31·0	13th	53
	Chaman	4,311	25·775	−·024	25·737	25·867	27th	25·680	1st	·187	66·5	80·5	+1·7	51·1	−1·8	65·8	−0·1	29·4	88·3	7th	44·2	11th	44
	Robat		26·980		26·938	27·108	14th	26·869	5th	·239	73·0	92·4		61·0		76·7		31·4	101·5	6th	55·3	16th	46
	Hill Stations excluding Kashmir and Baluchistan.																						
	Chitral	*5,486*									47·6	77·5							86·1	6th & 7th			
	Para Chinar	6,000	24·521		24·488	24·602	24th	24·415	25th	·187	63·4	75·9		47·0		61·5		28·9	81·9	7th	42·4	22nd	39
	Cherat	*4,256*	25·770	+·017	25·738	25·888	25th	25·660	3rd & 6th.	·228	64·5	76·4	−2·2	55·1	−2·1	65·8	−2·1	21·3	82·2	6th & 8th	50·5	22nd & 24th.	31
	Murree	6,233	23·905	−·014	23·873	23·997	26th	23·811	3rd	·186	56·3	70·1	+0·8	53·7	+0·4	61·9	+0·6	16·4	75·6	6th	49·2	24th	26
	Simla	7,232	23·158	−·012	23·120	23·252	26th	23·050	3rd	·202	55·5	61·7	−0·7	51·0	0	56·4	−0·3	10·7	66·7	7th	46·6	24th	20
	Sarain		23·205		23·167	23·293	13th	23·092	3rd	·201	46·2	63·1		42·3		52·7		20·8	70·0	7th	35·1	24th	34
	Kalabagh		20·171		20·133	20·253	26th	20·113	3rd	·140	42·7	49·4		37·4		43·4		12·0	56·8	8th	32·1	22nd	24
	Chakrata	7,022	23·343	+·003	23·303	23·418	13th	23·253	3rd	·165	55·9	67·5	+1·3	50·5	−0·4	59·0	+0·5	17·0	72·3	8th	45·7	23rd	26
	Muktesar	7,592	22·889	−·031	22·848	22·976	26th	22·770	3rd	·206	54·9	63·4	−2·8	48·6	−1·4	56·0	−2·1	14·8	69·5	8th, 9th & 10th.	44·0	4 days	25
	Darjiling	7,376	23·049	−·042	23·004	23·155	26th	22·981	6th	·174	55·5	62·7	+2·2	49·8	0	56·2	+1·1	12·9	70·3	1st	42·2	31st	28
	Shillong	4,920	25·165		25·117	25·261	27th	25·075	9th	·186	61·9	71·3		55·3		63·3		16·0	78·9	2nd	44·7	29th	34
	Cherrapunji	4,309	25·689		25·640	25·815	26th	25·599	6th	·216	66·0	70·8		?		?		?	79·7	1st	?	?	?
	Maymyo	3,545	26·477	+·010	26·422	26·565	26th	26·388	6th	·177	67·3	75·6	−1·3	62·1	+2·6	68·9	+0·7	13·5	81·0	2nd	55·1	30th	25
	Pachmarhi	3,528	26·481	−·011	26·428	26·604	27th	26·264	1st	·340	69·0	76·3	−1·8	58·6	−1·1	67·4	−1·5	17·7	79·5	3rd	48·1	28th	31
	Mount Abu	3,945	26·087	−·025	26·037	26·211	27th	25·872	1st	·339	70·8	78·8	0	63·6	−0·7	71·2	−0·3	15·2	82·7	15th	60·4	11th	22
	Mercara	3,781	26·221	−·015	26·154	26·264	9th	26·163	2nd	·101	66·0	74·9	−0·9	62·3	+0·1	68·6	−0·4	12·6	76·5	15th	59·0	3rd & 6th	19
	Ootacamund	*7,327*	23·048		22·984	23·089	9th	22·997	2nd	·092	57·3	63·6		51·0		57·3		12·6	67·5	3rd & 4th	44·2	5th	23
	Kodaikanal	7,688	22·811	−·032	22·744	22·855	9th	22·771	2nd	·084	56·1	62·3	−0·4	51·8	+0·5	57·0	+0·1	10·5	66·0	12th	48·0	6th	18

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

* Mean of 26 days.
† „ „ 15 „
†† „ „ 14 „

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

B—continued.

stations in India, etc., in October, 1910—continued.

Wind direction. Number of winds from Calm. (25)	N. (26)	N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction. (34)	Normal direction. (35)	Wind velocity. Mean velocity, miles per hour. (36)	Normal. (37)	Departure from normal. (38)	Wind steadiness. Actual percentage. (39)	Departure from normal. (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal. (42)	Mean vapour tension at 8 hrs, in inches of mercury. (43)	Departure from normal in inches of mercury. (44)	Cloud. Mean cloud amount at 8 hrs. (45)	Departure from normal. (46)	Rainfall. Number of rainy days. (47)	Normal number of rainy days. (48)	Departure from normal. (49)	Rainfall of month. (50)	Normal rainfall of month. (51)	Departure from normal. (52)	Total rainfall from 1st May to 31st October 1910. (53)	Normal rainfall for period, 1st May to 31st October. (54)	Departure from normal of period, 1st May to 31st Oct. 1910. (55)	Heaviest rainfall during month. (56)	Station. (57)
																																Bay Islands.
2	4	6	2	4	6	4	2	1	S 45° E					13		83		·923		5·3		10			13·52			35·89			2·15	P. V. Fraser.
14			2	5	1	1	5	3	S 37° W	S 68° W	6·5	6·2	+0·2	13	− 5	86	− 3	·862	−·073	6·5	+0·1	16			8·20	11·76	−3·56	83·99	96·66	−12·67	2·08	Port Blair.
2		2	4	9	7	3	2		S 32° E		9·0			49		83		·878		6·8		19			13·08			59·46			2·41	Slipper Island.
																																Kashmir.
				2		3	12	14	N 75° W		0·2			78		54		·353		0·1		0			0·08			28·79			0·08	Muzaffarabad.
20				8	2	1			S 31° E	S 51° E	2·2	3·0	−0·8	33	+11	79	− 9	·242	−·040	0·3	−2·1	0	2·70	−2·70	0	0·84	−0·84	5·84	11·25	− 5·41	0	Srinagar.
13		1		1					E		4·4			9		66		·212		0·5		0			0·09			16·47‡			0·05	Gulmarg.
26		4	1						N 53° E		3·2			17		74		·152		0·7		2			0·31			12·21			0·16	Sonemarg.
28	1	1					1	2	N 29° W		4·9			13		71	+ 2	·144		0·9		0	3·10	−3·10	0·01	0·45	−0·44	4·79	7·43	− 2·64	0·01	Dras.
29					2				S	S 83° W	3·3	2·0	+1·3	6	−37	41	−12	·100	−·022	2·1	−0·3	0	0·10	−0·10	0	0·22	−0·22	1·90	1·75	+ 0·15	0	Leh.
21		1	4		3	2			S 42° E		6·3			17		44	−25	·147		1·3		0	0·10	−0·10	0·09	0·07	+0·02	1·68	3·86	−2·18	0·09	Skardu.
																	Obse	rvatio	ns not	availa	ble.											Minimarg. Astor.
27							4		W		0·7			13		42	− 5	·229	+·001	1·1	−2·3	0	0·30	−0·30	0·07	0·20	−0·13	2·19	2·55	−0·36	0·07	Gilgit.
																																Baluchistan.
30			1						E	N 59° W	1·3	1·9	−0·6	3	0	35	− 9	·149	−·042	0	−0·4	0	0·20	−0·20	0	0·09	−0·09	0·55	2·41	− 1·86	0	Quetta.
12			1	2	6	7	2	1	S 24° W	S 45° E	6·0	8·0	−2·0	43	−11	29	+ 6	·193	+·012	0·1	−0·5	0	0·10	−0·10	0	0·04	−0·04	0·33	0·32	+ 0·01	0	Chaman.
4		2	2			23			S 41° W		7·1			66		49		·397		0		0			0			0·04			0	Robat.
																																Hill Stations excluding Kashmir and Baluchistan.
28				3					S 45° E		3·2			10		76		·252		0·3		0			0			3·86			0	Chitral.
29					1		1		S 45° W		3·7			3		33		·194		1·2		0	1·00	−1·00	0·03	0·37	−0·34	21·28	12·83	+8·45	0·03	Para Chinar.
11	8	1				1	5	5	N 37° W	N 11° W	6·6	10·2	−3·6	49	− 2	34	− 2	·211	−·013	0·3	−0·6	0			0	0·09	−0·09	34·32	11·92	+22·40	0	Cherat.
16	8				1			6	N 20° W	N 27° W	2·2	6·2	−4·0	40	+21	42	0	·195	−·009	0·1	−1·2	0	3·30	−3·30	0	1·32	−1·32	37·96	38·90	− 0·94	0	Murree.
																50	+ 1	·224	+·016	0·8	0	3	1·30	+1·70	2·56	0·98	+1·58	72·25	52·27	+19·98	1·76	Simla.
17			1		8	5			S 15° W		1·2			36		75		·243		0·8		3			6·28			57·32			4·65	Sarain.
9	1	2		14	2			2	S 52° E		5·5			36		61		·166		1·0		3			8·84			77·08			5·30	Kalabagh.
19	11				1				N	N 39° E	4·2	6·2	−2·0	32	0	66	+ 6	·303	+·019	1·7	+0·7	3	1·20	+1·80	5·15	0·78	+4·37	80·74	57·33	+23·41	3·31	Chakrata.
21	1	1	3		1	1	3		(a)		6·1					63	+ 7	·283		2·2		3			15·81	0·70	+15·11	69·90	39·36	+30·54	7·18	Muktesar.
23	1	1		3	1	2			S 27° E	N 73° E	1·2	3·3	−2·1	10	−22	84	− 5	·373	−·007	5·7	0	6	4·87	+1·13	5·76	4·35	+1·41	109·76	116·18	−6·42	1·92	Darjiling.
30						1			S 45° W		4·1			3		84		·477		4·9		11	9·10	+1·90	4·88	5·65	−0·77	83·98	71·23	+12·75	0·86	Shillong.
11	2	3	4		2	2	6		W		1·4			6		95		·611		5·3		15	8·20	+6·80	16·74	13·59	+3·15	422·65	388·06	+34·59	3·72	Cherrapunji.
31									(a)		1·3					95	+ 6	·645		6·8		17	11·20	+5·80	7·08	7·71	−0·63	56·92	52·03	+ 4·89	1·25	Maymyo.
7	4	8	6	1			1	4	N 36° E	N 34° E	3·4	3·2	+0·2	49	+38	63	+ 8	·448	+·024	2·3	−0·2	3	3·30	−0·30	2·68	2·18	+0·48	74·19	73·48	+0·71	1·77	Pachmarhi.
2	10	4	1	2	2	3	3	4	N 15° W	N 27° W	7·0	4·9	+2·1	33	+15	42	− 1	·325	−·012	1·3	+0·2	0	0·50	−0·50	0·04	0·69	−0·65	57·65	60·45	− 2·80	0·04	Mount Abu.
11	1	2	5				6	6	N 30° W	N 27° E	4·1	4·2	−0·1	30	+ 5	95	+ 7	·599	+·016	7·2	+0·6	19	13·00	+6·00	13·98	8·61	+5·37	118·64	118·93	− 0·29	1·85	Mercara.
11	3		4	2	2	3	5	1	S 52° W		2·9			10		86		·404		7·7		18	13·70	+ 4·30	13·11	8·57	+4·54	48·20	35·76	+12·44	2·12	Ootacamund.
3		1	1	5	5	1	5	10	S 79° W		10·48			27		87	+ 3	·390		6·1		19	16·20	+ 2·80	12·86	10·07	+2·79	53·21	37·13	+16·08	2·07	Kodaikanal.

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

** Mean of 29 days.

§ Uncorrected for scale error.

(a) Indeterminate.

‡ Rainfall since 29th May to 15th October, 1910.

Tab

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

Number 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
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	29·947		29·878	29·989	8th	29·855	29th	·134	82·4	87·9		73·4		80·7		14·5	91·0	2nd	72·0	5 days	19
	Penang (a)	20	29·923		29·868	29·991	29th	29·781	21st	·210	80·6	89·3		71·8		80·5		17·5	90·0	15 days	63·0	18th, 22nd & 23rd.	27
	Trincomalee	99									76·4	91·4	+3·0	74·2	−1·3	82·8	+0·9	17·2	98·5	12th	70·5	13th	28
	Colombo	24	29·914	−·018	29·864	29·970	9th	29·869	31st	·101	76·5	85·4	−0·2	74·4	−1·0	79·9	−0·7	11·0	88·0	12th & 14th.	71·5	8th, 15th & 27th.	16
	Minicoy	7	29·949			29·992	8th & 9th.	29·890	29th	·102													
	Amini Divi	*13*	29·920	−·010	29·861	29·983	9th	29·817	29th	·176	80·9	86·1	+0·8	75·9	−0·6	81·0	+0·1	10·2	93·3	27th	71·3	15th	19
	Gyantse	13,120	17·065		17·026	17·220	26th	16·976	6th	·244	41·2	64·2		29·7		47·0		34·5	76·8	4th	17·2	26th	59
	Pharijong	14,400									35·9	58·1		13·5		35·8		44·6	68·6	17th	1·0	24th	67
	Gangtok	5,660?									61·4	71·9		53·4		62·7		18·5	78·7	1st	47·1	30th	31
	Gartok (c) (†)	14,140	17·674			17·800	30th	17·520	1st	·280	23·3	43·2		16·6		29·9		26·6	51·5	11th	6·7	31st	44
	Kashgar (c)	4,255	25·645			25·810	11th	25·470	28th	·340	51·3	74·1	+5·4	45·1	+3·0	59·6	+4·2	29·0	85·1	7th	37·1	24th	48
	Kabul									Observations rejected.													
	Meshed	3,104	26·905		26·883	27·156	14th	26·736	25th	·420	52·7	75·1		34·1	−10·5	54·6		41·0	84·4	23rd	23·8	15th	60
	Jask	13	29·913	−·023	29·879	30·078	27th	29·753	3rd	·325	77·8	90·6	−0·1	75·6	+0·1	83·1	0	15·0	96·8	2nd	70·3	21st	26
	Muscat	20	29·928	−·022	29·897	30·083	27th	29·771	3rd	·312	83·0	94·7	+8·9	79·4	−1·7	87·0	+3·6	15·3	102·3	6th	74·1	23rd & 27th.	28
	Bahrein	18	29·955		29·926	30·066	27th	29·821	3rd	·245	81·6	85·5		74·3		79·9		11·2	89·1	1st & 5th.	68·5	29th	20
	Bushire	14	29·928	−·017	29·904	30·054	27th	29·792	3rd	·262	77·3	86·7	−1·1	71·2	0	79·0	−0·5	15·5	92·5	11th	67·0	31st	25
	Busrah	25	29·934		29·919	30·050	28th	29·762	3rd	·288	74·7	89·3		68·7		79·0		20·6	95·3	19th	61·1	11th	34
	Kerman										52·2	85·8		41·0		63·4		44·8	94·5	6th	33·5	30th	61
	Ispahan (b)§	*5,817*	24·438			24·550	28th	24·350	4th, 5th & 8th.	·200	60·6	78·9¶	+1·6	47·5	+3·1	63·2¶	+2·3	31·4	86·4	1st, 2nd & 4th.	41·2	26th	45
	Tehran (b)	*4,002*	25·874			26·000	6 days	25·700	4th	·300	57·9	79·4	+1·9	50·3	−3·8	64·8	−0·9	29·1	85·5	4th & 5th	45·0	2nd	40
	Baghdad¶	127	29·858	+·034	29·960	29·981	30th	29·730	2nd	·251	70·2	92·5	−0·3	63·3	+1·1	77·9	+0·4	29·2	99·4	3rd	58·1	30th	41
	Beirut	111			29·981						72·3	79·1		66·0		72·5		13·1	84·4	19th	58·5	29th	25
	Aden	94	29·864	−·009	29·890	29·930	28th	29·729	3rd	·201	83·0	88·8	−1·4	78·7	+1·0	83·8	−0·2	10·1	93·8	1st	71·9	28th	21
	Perim	201	29·735	+·001	29·870	29·786	20th	29·624	3rd	·162	85·5	91·5	+0·4	81·5	+1·0	86·5	+0·7	10·0	96·8	1st	79·2	28th	17
	Zanzibar	72	30·038	+·022	30·037	30·109	1st	29·971	27th	·138	77·8	83·0	−0·1	76·1	+0·8	79·6	+0·3	6·9	87·1	31st	72·1	20th	15

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 25 days. § 7 hrs. observations.

(c) Aneroid corrected.

B—*concluded.*

stations in India, etc., in October 1910—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, 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, 1910.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October, 1910.	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.
1		2	3	2	5		4		S 31° W		5·7*			17						56		13			10·75‡			49·36			4·39	Singapore.
11	3	5	9	1			2		N 60° E		11·3*			43								20			17·28			57·10			1·77	Penang.
						29	1		S 46° W	S 45° W	6·5*	8·5	−2·0	96	+21	82	−2	·748	−·138	4·6	+1·2	10			10·62	7·14	+ 3·48	30·45	22·28	+ 8·17	2·20	Trincomalee.
4	3	2			5	8	4		N 62° W	S 41° W	5·1*	7·4	−2·3	37	− 5	91	+11	·835	−·020	8·3	+2·1	14			16·65	14·80	+ 1·85	35·48	47·70	−12·22	5·39	Colombo.
2					3	17	9		N 76° W	N 78° W	8·0	7·4	+0·6	81	+24					5·5	+0·1	14			12·48	7·46	+ 5·02	63·29	41·58	+21·71	5·05	Minicoy.
10	1				3	2	14		N 31° W		11·5¶			74		80	−2	·843	−·043	6·3	+0·2	10			7·87	6·01	+ 1·86	43·26**	43·74	− 0·48	1·42	Amini Divi.
		13	9	1					S 70° E		2·9			67		57		·145		0·1		0			0			9·28			0	Gyantse.
2			1	12	5	9	2		S 45° W		8·1			58		74		·158		1·8		0			0·24			12·24			0·07	Pharijong.
	2						1		N 27° E		1·5‡			6		76		·418		2·7		13			8·49			99·33			2·69	Gangtok.
			1	1	1				* N		6·8††			8						0·3		0			0			3·85			0	Gartok.
					3				S 45° W	N 38° W	§§ 1·1	1·7	−0·6	10	−2	63	+4	·241	+·041	2·1	−0·9	0			0	0·05	− 0·05	2·01	3·06	− 1·05	0	Kashgar.
													Observations rejected.																			Kabul.
1	1		1				1		N 26° E		1·5¶			4		53		·216		1·5	−0·4	0			0	0·42	− 0·42	1·42	1·43	− 0·01	0	Meshed.
4	6	12	1				2	3	N 53° E	N 56° E	7·5	10·6	−3·1	56	+23	77	+12	·743	+·004	0·1	−0·4	0			0	0·04	− 0·04	0	0·17	−0·17	0	Jask.
1	1	3					5	5	N 43° W	N 76° W	4·9	3·7	+1·2	27	− 1	59	−7	·662	−·093	1·3	+1·0	0			0	0·02	− 0·02	0	0·42	−0·42	0	Muscat.
4	3	3	2	3	2	7	7		N 54° W		4·0			26		73		·788		0·8		0			0			0·06			0	Bahrein.
7	9	4	3				3		N 38° E	N 67° E	7·9	6·1	+1·8	53	− 5	74	+12	·703	+·080	1·0	0	0			0	0·08	− 0·08	0	0·08	−0·08	0	Bushire.
1			1	5		11	2		S 76° W		3·0			39		71		·614		1·1		0			0			0·59			0	Busrah.
8	6	5				6	6		N 3° W		2·6‡			55		41		·156		0			No	rain gauge.								Kerman.
1					1	7	1		N 83° W	N 74° W	1·4	2·9	−1·5	26	+ 2	49‡‡	−6	·249‡‡	−·017	0·5	−1·0	0			0	0·21	− 0·21	0·23‖	0·38	−0·15	0	Ispahan.
12	15	1			1				N 27° E	N 18° E	3·1	2·9	+0·2	81	+58	60	+18	·289	+·049	1·2	−0·7	0			0	0·10	−0·10	0·45	1·07	−0·62	0	Tehran.
14	4	4		3	2	1	2		N 12° E	N 6° W	7·6	2·8	+4·8	47	+13	39	−16	·289	−·114	5·4	+4·8	0			0	0·04	0·04	0·20	0·37	− 0·17	0	Baghdad.¶
10					13	1			S 55° W					10		68		·553		3·0		6			4·35			5·22			2·56	Beirut.
28						1			N 47° E	N 78° E	11·7	12·8	−1·1	92	+24	74	+ 6	·835	+·094	3·1	+1·0	2			2·20	0·01	+ 2·19	2·34	0·51	+1·83	1·72	Aden.
											14·1	18·5	−4·4			69	0	·854	+·030	2·7	+0·6	0			0	0·07	− 0·07	0·37	0·91	− 0·54	0	Perim.
		17	5	3					S 25° E	S 20° E	4·7	5·0	−0·3	68	− 4	79	− 3	·749	−·135	5·2	−0·8	4			1·81	3·70	− 1·89	19·39	21·87	−2·48	0·63	Zanzibar.

* Uncorrected for scale error.
‡ Mean of 29 days.
¶ Mean of 30 days.
†† " " 24 "
** Bainfall for September wanting.
‡‡ Mean of 19 days.
‖ Total rainfall for August 1910, is not included.
§§ Mean of 28 days.

Table C.—Abstract of observations taken at 8 hrs. at 40 fourth class stations in India, etc., in October, 1910.

Tab

Abstract of observations taken at 8 hrs., at 40 fou

Number of subdivision.	Station.	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.	Wind direction. Number of winds from Calm.	N.	NE.	E.	SE.	S.	SW.	W.	NW.	Resultant 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
	II.—Eastern Bengal and Assam.																							
4	Bishnath	74·6	86·1	...	66·8	...	76·5	...	19·3	94·9	2nd	58·7	31st	36·2	...	...	...	...	...	...	...	...	...	...
	Borjuli	76·2	87·6	...	68·3	...	77·9	...	19·3	96·3	2nd & 4th.	60·6	23rd	35·7	...	...	...	...	...	...	...	...	...	...
	Chandkhira	75·5	85·4	...	70·5	...	77·9	...	14·9	93·7	3rd	60·0	31st	33·7	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	73·0	86·6	...	68·1	...	77·3	...	18·5	98·1	2nd	59·0	31st	39·1	...	...	...	...	...	...	...	...	...	...
	Dikom	73·0	84·5	...	68·1	...	76·3	...	16·4	94·2	2nd	55·6	31st	38·6	...	...	...	...	...	...	..	...	...	...
	Golaghat	75·7	76·2	...	...	...	...	...	...	84·5	1st	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	74·5	85·9	...	70·8	...	78·3	...	15·1	97·0	2nd	61·0	31st	36·0	...	...	...	...	...	...	...	...	...	...
	Jorehat	74·6	85·4	...	70·2	...	77·8	...	15·2	93·7	2nd	60·3	31st	33·4	...	...	...	...	...	...	...	...	...	...
	Messa	77·4	90·2	...	67·8	...	79·0	...	22·4	100·5	3rd	57·2	31st	43·3	...	...	...	...	...	...	...	...	...	...
	Panerihat	70·2§	85·9	...	67·2§	...	76·5	...	18·7	94·1	3rd	58·0	24th	36·1	...	...	...	...	...	...	...	...	...	...
	Srimangal	77·4	87·7	...	71·9	...	79·8	...	15·8	95·3	5th	59·4	31st	35·9	...	...	...	...	...	...	...	...	..	...
5	Brahmanbaria	81·1	86·7	...	74·0	...	80·3	...	12·7	93·3	1st	65·9	31st	27·4	...	...	...	...	...	...	...	...	...	...
	Dam Dim	76·2	90·7	...	65·4	...	78·1	...	25·3	96·1	1st	55·9	30th	40·2	...	...	...	...	...	...	...	...	...	...
	Goalundo	80·7	86·5	...	74·0	...	80·3	...	12·5	92·4	6th	64·3	30th	28·1	...	...	...	...	...	...	...	...	...	...
	Kalchini	79·2	88·2	...	65·9	...	77·1	...	22·3	98·1	27th & 28th.	57·9	29th & 30th.	40·2	...	...	...	...	...	...	...	...	...	...
	Nagrakata	76·2	87·7	...	67·9	...	77·8	...	19·8	95·1	1st	60·0	30th	35·1	...	...	...	...	...	...	...	...	...	...
	Pabna	80·0	86·1	...	69·3	...	77·7	...	16·8	92·9	6th	65·2	28th	27·7	...	...	...	...	...	...	...	...	...	...
	XI.—Central Provinces.																							
24	Chhindwara	71·6	83·8	...	61·1	...	72·5	...	22·7	86·5	30th	50·1	28th	36·4	...	9	9	2	2	2	1	2	4	N 16° E
	XIV.—Madras.																							
33	Anantapur	77·0	87·8	...	72·0	...	79·9	...	15·8	94·2	15th	68·6	4th	25·6	...	...	...	...	...	...	...	...	...	...
34	Guntur	78·4	86·7	...	74·7	...	80·7	...	12·0	95·1	7th	72·4	17th & 26th.	22·7	...	...	...	...	...	...	...	...	...	...
	Bay Islands.																							
1	Car Nicobar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kashmir.																							
14	Jammu	73·4	89·1	...	66·7	...	77·9	...	22·4	93·6	5th & 8th.	61·8	26th & 31st.	31·8	...	20	3	3	...	2	...	2	1	N 5° E
	Kargil	47·0	67·9	...	39·8	...	53·9	...	28·1	79·3	7th	32·3	31st	47·0	...	6	4	4	4	...	1	...	12	N 4° E
	Hill Stations, exclusive of Kashmir.																							
	Panighatta	77·2	85·4	...	67·2	...	76·3	...	18·2	92·9	1st	60·9	31st	32·0	...	...	...	...	...	...	...	...	...	...
	Kurseong	63·6	72·0	...	61·1	...	66·5	...	10·9	78·9	1st	54·3	31st	24·6	...	...	...	...	...	...	...	...	...	...

§ Mean of 27 days.

:ss stations in India, etc., in October, 1910.

IND VELOCITY.		WIND STEADINESS.		HYGROMETRY, 8 HRS.				CLOUD.		RAINFALL.									Heaviest rainfall during month.	STATION.
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, 1910.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October, 1910.		
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.
...	...	...	...	86	...	·740	...	...	...	12	...	...	10·77	...	...	88·19	...	...	4·07	Bishnath.
...	...	...	...	86	...	·778	...	...	...	12	...	...	6·38	...	...	81·69	...	...	2·13	Borjuli.
...	...	...	...	93	...	·823	...	...	...	15	...	...	23·69	...	...	114·76	...	...	4·35	Chandkhira.
...	...	...	...	89	...	·719	...	...	...	13	...	...	9·92	...	...	78·03	...	...	3·36	Doom Dooma.
...	...	...	...	88	...	·718	...	...	...	13	...	...	12·08	...	...	85·06	...	...	2·48	Dikom.
...	...	...	...	87	...	·773	...	...	...	5	...	...	2·05	...	...	62·83	...	...	0·45	Golaghat.
...	...	...	...	94	...	·803	...	...	...	15	...	...	21·85	...	...	120·03	...	...	4·25	Hailakandi.
...	...	...	...	90	...	·765	...	...	...	12	...	...	7·51	...	...	65·11	...	...	1·80	Jorehat.
...	...	...	...	84	...	·798	...	...	...	10	...	...	6·76	...	...	84·51	...	...	1·75	Messa.
...	...	...	...	90*	...	·660*	...	...	...	9	...	...	4·55	...	...	73·25	...	...	1·30	Panerihat.
...	...	...	...	89	...	·835	...	...	...	12	...	...	14·88	...	...	88·29	...	...	4·28	Srimangal.
...	...	...	...	81	...	·856	...	...	...	11	...	...	11·83	...	...	75·67	...	...	3·04	Brahmanbaria.
...	...	...	...	99	...	·898	...	...	...	13	...	...	9·67	...	...	183·76	...	...	2·12	Dam Dim.
...	...	...	...	79	...	·836	...	...	...	11	...	...	6·76	...	...	57·14	...	...	3·25	Goalundo.
...	...	...	...	78	...	·789	...	...	...	9	...	...	11·70	...	...	169·76	...	...	3·22	Kalchini.
...	...	...	...	83	...	·750	...	...	...	13	...	...	14·67	...	...	177·11	...	...	4·72	Nagrakata.
...	...	...	...	84	...	·861	...	...	...	8	...	...	5·35	...	...	52·42	...	...	1·90	Pabna.
																				XI.—Central Provinces.
...	...	48	...	66	...	·517	...	2·5	...	3	...	...	0·96	...	...	46·18	...	...	0·40	Chhindwara.
																				XIV.—Madras.
...	...	...	...	85	...	·785	...	6·5	...	6	...	...	4·68	...	...	15·61‡	...	...	1·31	Anantapur.
...	...	...	...	92	...	·890	...	7·2	...	15	...	...	12·58	...	...	42·76	...	...	2·86	Guntur.
																				Bay Islands.
...	...	...	...	...	...	...	...	...	...	13	...	...	9·45	...	...	78·09	...	...	2·61	Car Nicobar.
																				Kashmir.
...	...	68	...	48	...	·401	...	0·6	...	0	...	...	0·03	...	...	38·52	...	...	0·03	Jammu.
...	...	45	...	38	...	·122	...	1·3	...	0	...	...	0·05†	...	...	1·67	...	...	0·05	Kargil.
																				Hill Stations, exclusive of Kashmir.
...	...	...	...	71	...	·670	...	...	...	9	...	...	12·51	...	...	159·05	...	...	4·83	Panighatta.
...	...	...	...	86	...	·508	...	...	...	7	...	...	14·95	...	...	162·53	...	...	9·30	Kurseong.

† Snowwater. * Mean of 26 days. ‡ Total rainfall since 12th August, 1910.

Tab

Abstract of observations taken at 8 hrs. at 40 four

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.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
	Hill Stations, exclusive of Kashmir—*concld.*																							
	Gnatong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lachung	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Ringim	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	61·0	...	34·3	...	47·7	...	26·7	70·7	7th	27·2	31st	43·5	3	...	...	12	2	...	2	12	...	S
	Kailang	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Drosh	56·6	79·4	...	52·8	...	66·1	...	26·6	89·2	7th	48·1	31st	41·1	31	...	...	...	...	...	...	...	...	*
	Pishin	...	79·4	...	38·6	...	59·0	...	40·8	88·4	1st	32·5	22nd	55·9	...	...	...	...	...	...	...	...	...	...
	Kalat	53·2	74·4	+0·7	33·3	+3·7	53·9	+2·2	41·1	81·8	6th	22·9	24th	58·9	...	7	...	...	...	23	...	1	...	S 4° W
	Extra India.																							
	Ahwaz	...	93·4	...	69·9	...	81·7	...	23·5	99·0	3rd	62·2	8th	36·8	...	...	...	...	...	...	...	...	...	...
	Birjand	Observations not available.																						
	Chumbi	41·0	62·1	...	36·7	...	49·4	...	25·4	70·1	1st	24·3	24th	45·8	...	...	...	...	...	...	...	...	...	...
	Kirmanshah	62·6	77·7	...	45·5	...	61·6	...	32·2	85·8	4th	35·8	13th	50·0	...	...	...	...	...	...	...	...	...	...
	Koweit	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Maidan	...	94·9	...	60·3	...	77·6	...	34·6	102·2	2nd	57·2	4 days	45·0	...	...	...	...	...	...	...	...	...	...
	Muhammerah	...	94·7	...	69·0	...	81·8	...	25·7	99·4	3rd	63·4	28th	36·0	...	1	...	...	7	6	2	...	4	S 6° E
	Pemba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Indeterminate.

)—concluded.

lass stations in India, etc., in October, 1910—concluded.

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, 1910.	Normal rainfall for period, 1st May to 31st October.	Departure from normal of period, 1st May to 31st October, 1910.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					Hill Stations, exclusive of Kashmir—*concld.*
...	...	...	...	...	...	...	...	...	...	...	17	...	...	6·14	...	...	128·13	...	...	2·28	Gnatong.
...	...	...	...	...	...	...	...	...	...	...	13	...	...	3·71	...	...	42·77	...	...	0·58	Lachung.
...	...	...	...	...	...	...	...	...	...	...	15	...	...	12·68	...	...	123·48	...	...	3·37	Ringim.
...	...	...	10	...	...	...	...	...	1·8	...	3	...	...	1·84	0·75	+1·09	4·23	3·77	+0·46	1·12	Poo.
...	...	...	...	...	...	...	...	...	...	...	1	...	...	0·18	0·45	—0·27	10·25	8·77	+1·48	0·18	Kailang.
...	...	...	...	...	43	...	·207	...	0·4	...	0	...	...	0	...	...	5·96	...	...	0	Drosh.
...	...	...	...	...	...	...	...	...	...	...	0	0·20	—0·20	0	0·09	—0·09	0·53	0·55	—0·02	0	Pishin.
...	...	...	52	...	49	...	·202	...	...	...	0	0·30	—0·30	0	0·08	—0·08	0·62	1·73	—1·11	0	Kalat.
																					Extra India.
...	...	...	...	...	...	...	...	...	1·2	...	0	...	...	0	...	...	0·13	...	...	0	Ahwaz.
						Observations not available.															Birjand.
...	...	...	...	...	80	...	·215	...	...	...	3	...	...	1·44	...	...	20·62	...	...	0·51	Chumbi.
...	...	...	...	...	38	...	·215	...	...	...	0	...	...	0·06	...	...	2·25	...	...	0·06	Kirmanshah.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Koweit.
...	...	...	...	...	...	...	...	...	...	...	0	...	...	0	...	...	0·50	...	...	0	Maidan.
...	...	...	29	...	...	...	...	...	...	...	0	...	...	0	...	...	0·38	...	...	0	Muhammerah†
...	...	...	...	...	...	...	...	...	...	...	2	...	...	0·76	...	...	24·88	...	...	0·33	Pemba.
...	...	...	...	...	...	...	...	...	...	...	1	...	...	1·32	...	...	19·19	...	...	1·32	Prison Island.

† Wind variable 11.

Reg. No. 4101 E. 10—Z.—5,000.

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.

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

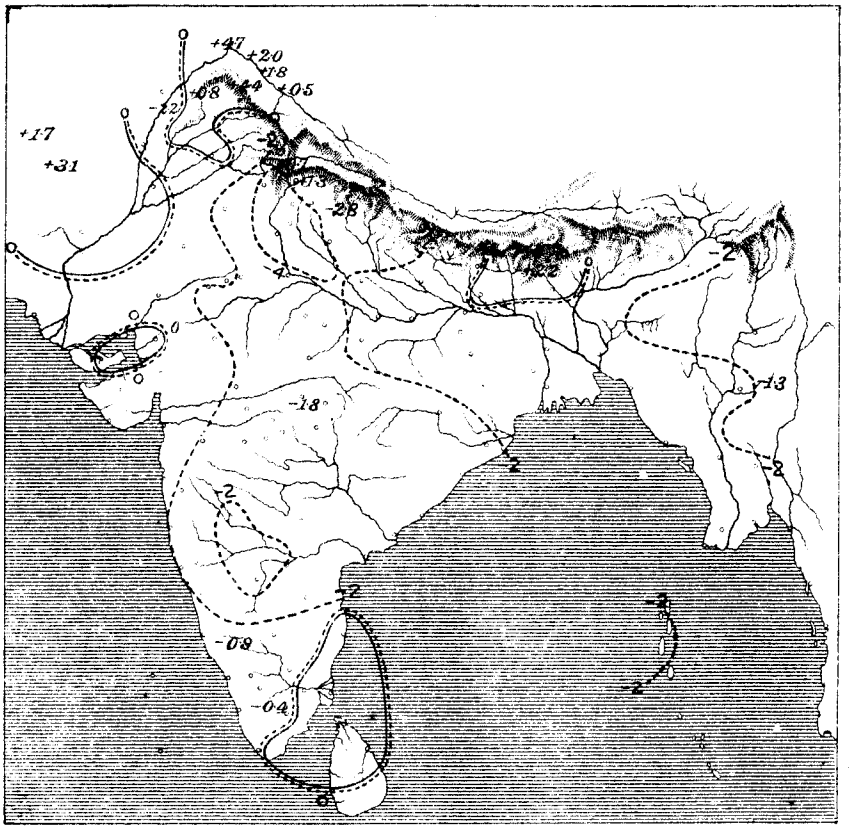
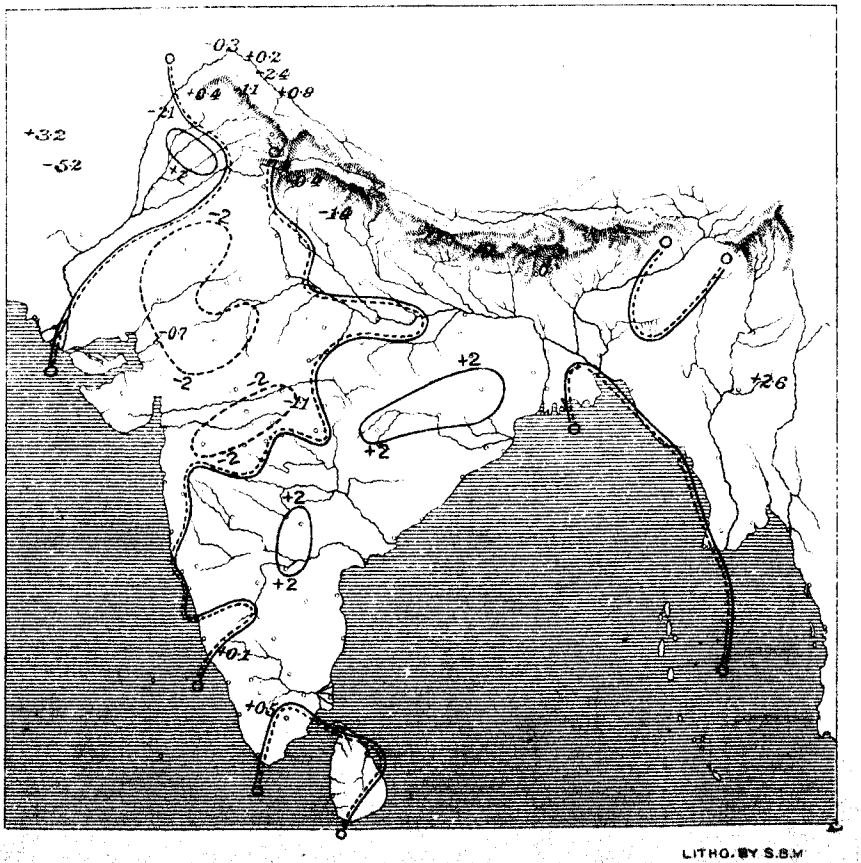


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.



LITHO. BY S.B.M.

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

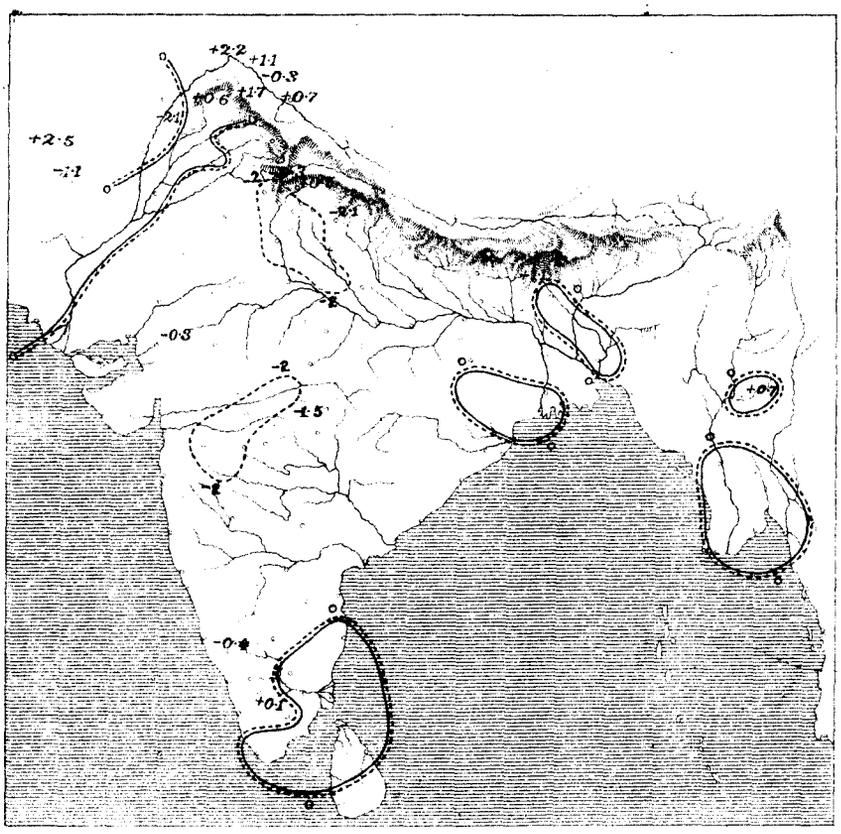
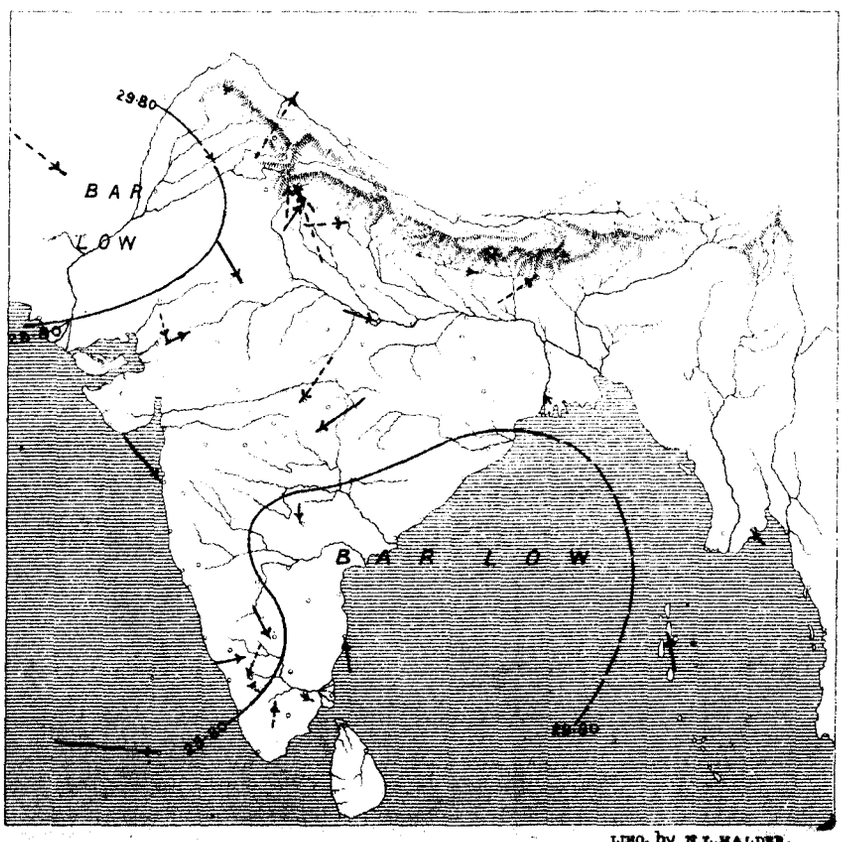


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.



LITHO. by N.L. HALDER.

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

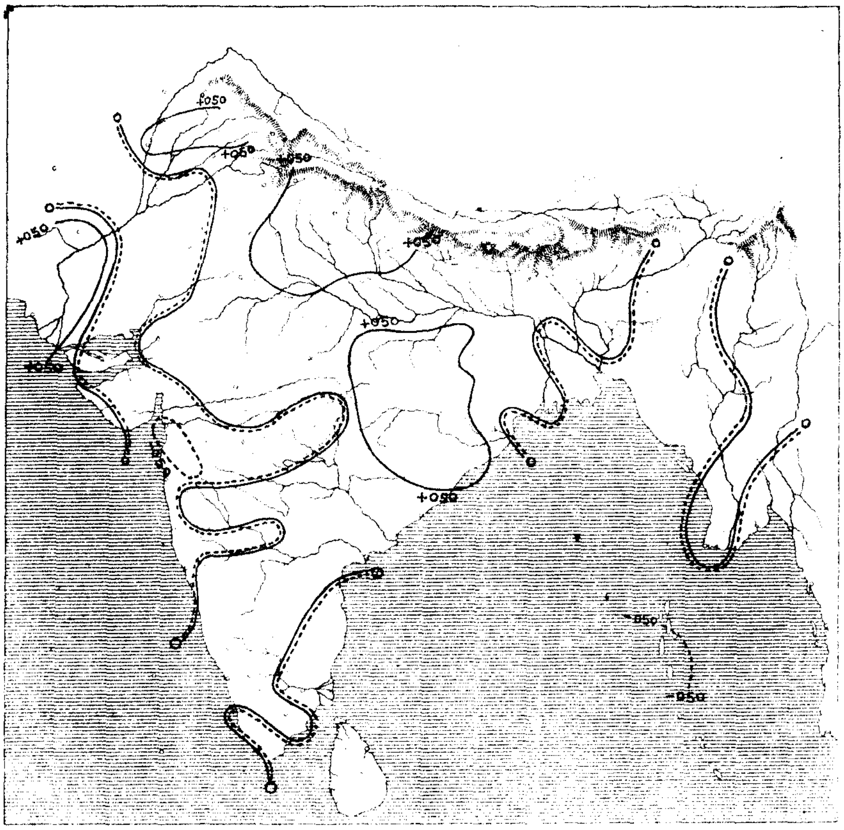


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

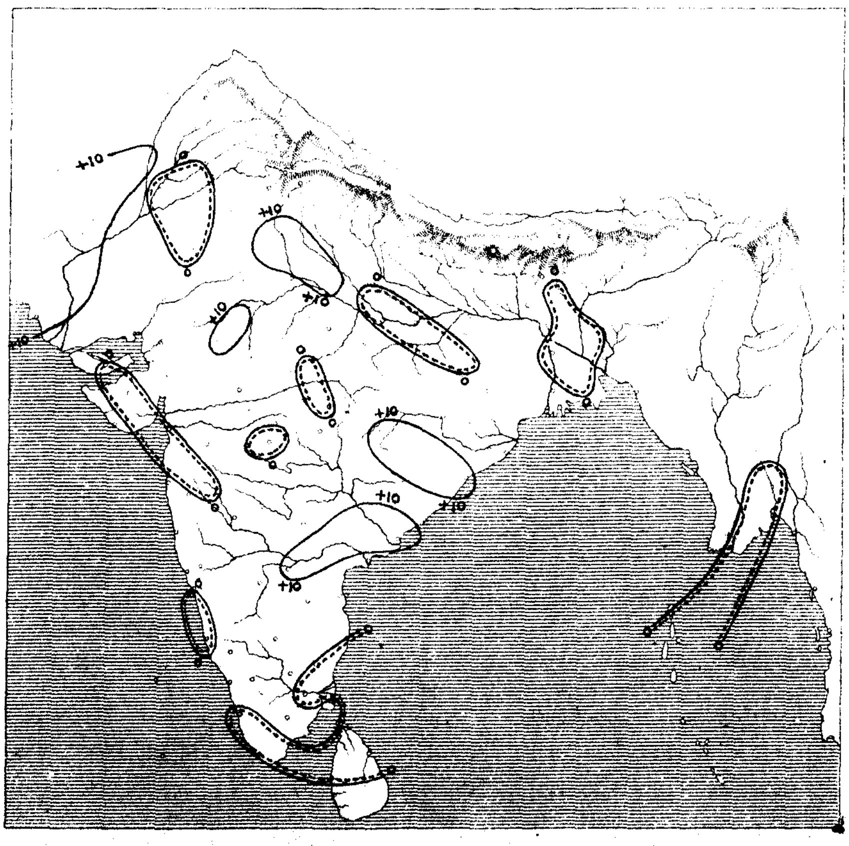


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

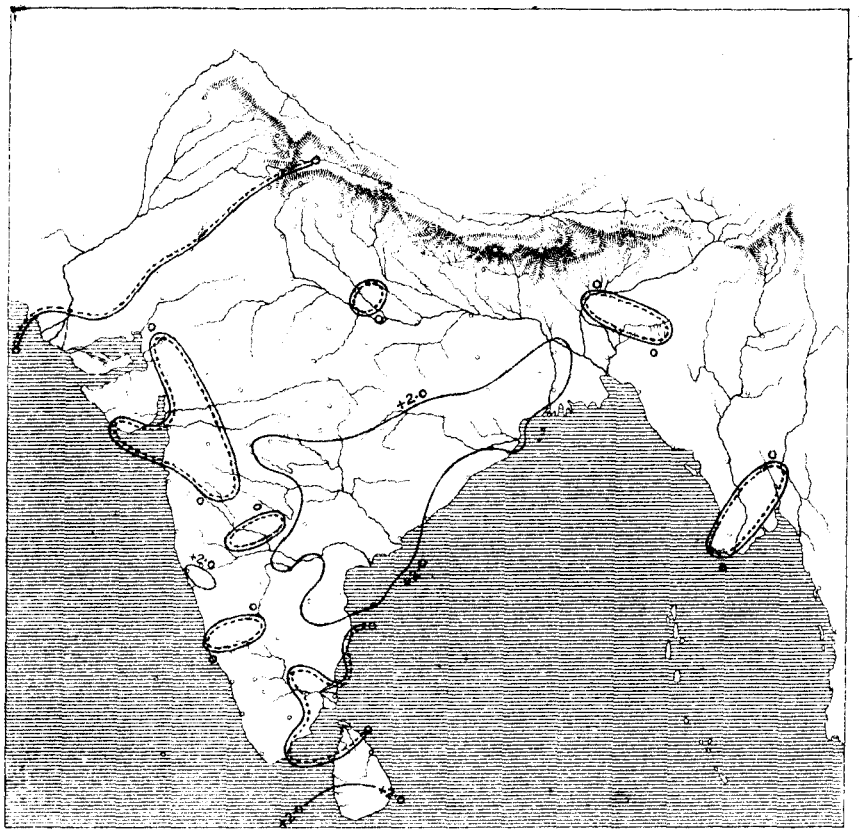
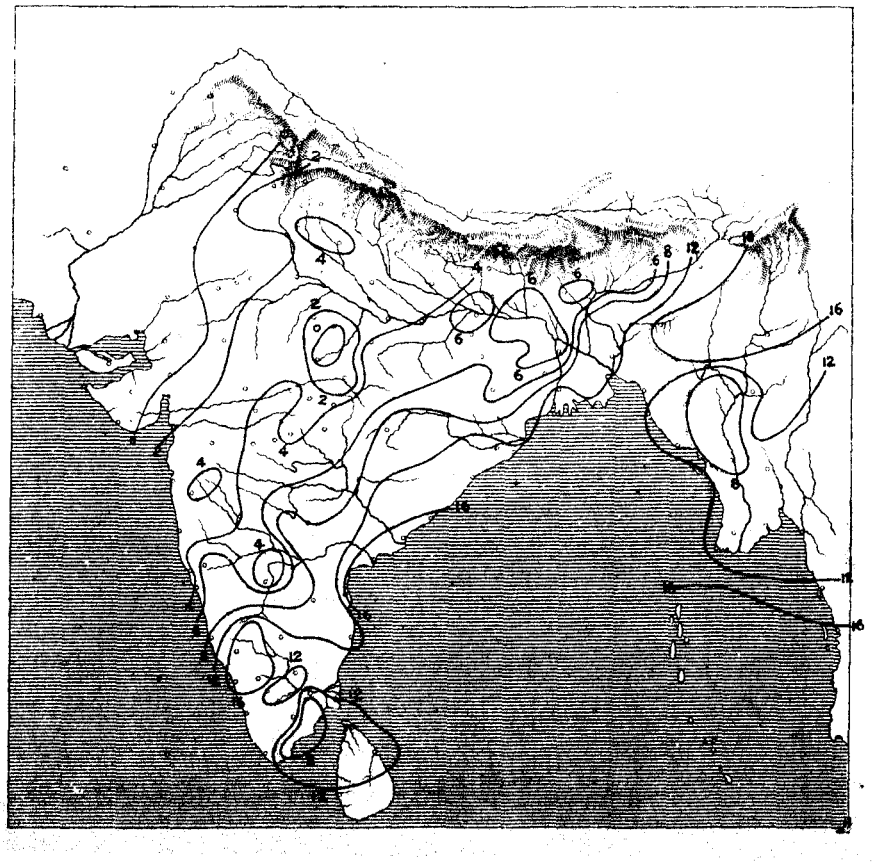


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)



No. 4101 E., 10—Z.—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.

. Bay Islands
. Lower Burma
. Upper Burma
. Assam
. Eastern Bengal
. Bengal
. Orissa
. Chota Nagpur
. 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, 1910.

INTRODUCTION.

THIS review of the weather in India during the month of November, 1910, is based on observations taken daily at 8 hrs. at 237 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 34 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.

2. Weather during the month was conditioned chiefly by the occurrence, in the first fortnight, of two disturbances, and by the abnormally early retreat of the monsoon from the Bay. The first disturbance crossed the coast near Nellore on the 6th, and after pursuing an almost unique path disappeared on the 13th. Although of no great barometric depth it was noteworthy for the unseasonable rain it gave in the Central Provinces, Central India and the east of the United Provinces between the 9th and the 13th. The second disturbance passed from the Bay into Burma on the 14th causing widespread rainfall.

The total rainfall of the month was greatly above the average in regions affected by the above disturbances, namely in Burma, Bihar, the east of the United Provinces, Central India, the Central Provinces, Berar, Bombay excluding Gujarat, Hyderabad and the Madras Deccan and also in Malabar, but elsewhere the amounts received were either up to or short of the average. The deficit was greatest in actual amount in Orissa where it amounted to $1\frac{1}{3}''$. The month was rainless or almost so in northwest India and also in several parts of northeast India; in the first named area the deficiency was however not important as the normal there averages only a quarter of an inch.

The humidity conditions differed but slightly from the normal. There was even less cloud than is normally the case in November in most parts of northern India, but in the Peninsula and Burma the skies were covered to an unusual extent.

Days were somewhat cooler than usual in the greater part of the Peninsula and central India, and nights in Baluchistan, Kashmir, Rajputana, the west of Central India, the Central Provinces, Hyderabad, Bombay and Orissa.

Barometric pressure was below the normal almost everywhere. The deficiency over by far the greater part of the country accompanied slightly lower temperature than usual.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar observations.*—There was one day on which no solar observations were possible, seven others on which prominences could not be observed, and four other days on which the prominence record was imperfect.

Sunspots.—The spot activity of the month was very low. On 11 days the sun was free from spots. Altogether

13 new groups were observed during the month, with a daily average of only 1·0; the average life of a spot was 2·1 days. None of the groups contained anything more than mere dots.

The latitude distribution was as follows :—

TABLE 1.

	1°—10°.	11°—20°.	Mean latitude.	Extreme latitudes.
North . . .	7	—	6°·1	3° and 10°
Equator 1				
South . . .	3	2	7°·6	2° and 12°

Prominences.—Thirty-seven large, 1 metallic, and 4 eruptive prominences were recorded during the month. The tallest of them was 165″ high. The metallic prominence, which was also eruptive, was observed on the 19th and was associated with the only spot group that came round the east limb.

Magnetic disturbances.—A "moderate" magnetic disturbance was recorded from the 17th to the 19th. The metallic prominence mentioned above was observed on the 19th and three little spot groups were near the central meridian on that day.

Seismological records.

TABLE 2.

No.	Date.	P. T. Commencement G. M. T.	L. W. Commencement G. M. T.	Maxima. G. M. T.	End.	Maximum amplitude.	Duration.	REMARKS.
	1910.	H. M.	H. M.	H. M.	H. M.	mm.	H. M.	
62	Nov. 9	* 6 10·5	6 58·7	7 06·0 7 11·0	9 36	7·5=3·8 7·0=3·6	3 26	* Possibly not till 6h. 15·1 m.
63	„ 14	7 44·4	8 02·8	8 06·0	9 13	0·5=0·3	1 29	
64	„ 15	14 46·4	15 26·4	15 27·4	16 21	0·7=0·4	1 35	
65	„ 24	...	15 48·9	15 50·4	16 14	0·6=0·3	0 25	
66	„ 25	20 57·7	21 04·3	21 06·9	21 19	...	0 21	Widening of line.
67	„ 26	5 53·6	6 38·7	6 47·2 6 43·8	9 37	5·0=2·4 5·0=2·4	3 43	
68	„ 29	2 41·6	2 53·6	2 55·4	3 31	1·6=0·8	0 49	

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

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of November, 1910, the traces showed 5 calm days, 24 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 1st, 12th 13th, 23rd and 24th.

The mean monthly absolute values of the severa magnetical elements reduced to the mean monthly tabula tions of the magnetograms, as also the ranges and the summed ranges of the horizontal force and declination fo the month are as follow :—

Easterly declination . . .	0° 56′ 42″
Horizontal force	0·36846 C.G.S. unit
Vertical force	0·16152 „ „
Inclination	23° 40′·3
Inclination (observed) . . .	23° 39′·3
Horizontal force range . .	0·00046 C.G.S. unit
Horizontal force summed range .	0·00279 „ „
Declination range . . .	1′·1
Declination summed range .	6′·6

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

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

TABLE 3.

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

C = calm, S = small, M = moderate, G = great, V. G. = very great.

Seismic disturbances.

TABLE 4.

Date.	Commencement.	Maximum.	End.	Maximum amplitude	Duration.
1910.	H. M.	H. M.	H. M.	mm.	H. M.
November 9th .	6 20·3	7 10·0	9 46·2	7·8	3 25·9
„ 14th .	7 50·5	8 10·7	9 6·5	0·4	1 16·0
„ 15th .	14 46·7	15 22·1	End uncertain as it is lost in shifting time.	2·2	...
„ 24th .	15 45·2	15 55·2	16 11·2	0·5	0 26·0
„ 26th .	4 59·5	5 50·4	7 42·4	1·6	2 42·9
„ 29th .	2 51·7	2 56·8	3 19·8	0·9	0 28·1

All times given above denote G. M. T.
Sensibility to tilt, 1 mm.=0″·37.

N. A. F. MOOS,
Director,
Bombay Observatory.

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the Milne seismograph.*

TABLE 5.

Date. 1910.	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.	
Nov. 2nd	14 46·6	...	...	15 3·3	0 16·7	...	Thickening of the line.
„ 3rd	9 37·3	...	...	9 54·6	0 17·3	...	Do.
„ 6th	21 24·6	...	...	22 3·3	0 38·7	...	Do.
„ 9th	...	6 15·1	6 30·4	10 17·1	4 2·0	2·25	
„ 10th	12 41·6	...	12 42·6	13 50·9	1 9·3	0·50	
„ 14th	...	7 45·1	7 54·7	9 13·1	1 28·0	5·50	
„ 15th	14 44·9	14 58·2	15 32·1	16 48·9	2 4·0	2·75	
„ 24th	15 45·8	15 49·3	15 52·9	16 26·4	0 40·6	3·00	
„ 26th	4 53·9	5 4·6	5 5·1	9 2·7	4 8·8	2·75	
„ 29th	?	2 39·6	2 51·8	3 32·4	?	1·50	Begins with morning air tremor.

Sensibility 1 mm.=0″·38 of tilt.

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing seismographs.*

TABLE 6.

Date.		Beginning of 1st P. T.	Beginning of 2nd P. T.	Beginning of L. W.	Time of maximum amplitude.	End approximately.	Duration.	Maximum displacement of style.	REMARKS.
		H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
9th	A	6 16·1	6 26·5	6 33·9	6 34·9	8 58·7	2 42·6	2·8	Apparently two shocks with interval of 7 m. between them, details of seconds not distinguishable.
„	B	...	...	...	...	...	...	...	Disturbance from 6 h. 26·2 m. to 8 h. 26·2 m. maximum amplitude 0·6 mm. at 7 h. 13·6 m.
10th	A	5 8·7	?	5 11·9	5 12·3	5 14·7	0 6·0	Small.*	
„	B	5 10·0	?	5 11·5	5 12·2	5 16·2	0 6·2	Small.*	
11th	A	14 36·7	?	14 36·8	14 36·8	14 37·6	0 0·9	Small.*	Local shock.
„	B	14 36·9	?	?	14 37·2	14 37·3	0 0·4	Small.*	Local shock.
14th	A	7 41·6	7 38·4	7 54·6	7 59·9	8 58·8	1 17·2	1·4	
„	B	?	?	?	7 57·0	?	?	1·0	
15th	A	14 42·3	?	?	15 7·7	16 1·7	1 19·4	0·2	
„	B	?	?	?	15 30·3	?	?	Small*	
24th	A	...	...	...	...	...	...	...	Tremors from 15 h. 47·3 m. to 16 h. 28·9 m.
26th	A	4 50·6	?	?	5 13·6	8 0·6	3 10·0	2·0	
29th	A	2 39·9	2 40·0	2 49·2	2 52·5	3 11·0	0 37·51	0·7	
„	B	?	2 40·1	2 48·9	2 49·3	3 7·9	?	0·4	

All times are given in G. M. T.
A=E—W component.
B=N—S component.
Magnification of each instrument was 15.
* Displacements less than 0·2 mm. are reported as "small."

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

TABLE 7.

Place at which felt.	Date.	G. M. T. of earthquake.	Duration.	Intensity.	No. of shocks.	REMARKS.
		H. M.	Sec.			
Drosh . . .	14th	0 20	2	5	2	
„ . . .	17th	23 5	1	5	1	

For scale of intensities reference may be made to the Monthly Weather Review for January, 1909.

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 gramme-calories per square centimetre per minute :—

Maximum	1·53
Minimum	1·39
Mean	1·47
Number of days of observation . . .	18

J. H. FIELD,
Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. The following information has been communicated by the Director of the Observatory:

Magnetic Disturbances.

TABLE 8.

Day.	Time.	Disturbance.
November. 2nd . .	...	Accentuated diurnal variation in H. F. with small superposed undulations. In declination two successive waves 14½ to 15½ (+20 and +15).
5th . .	1½h. to 3½h.	Wave in H. F. (+15).

Day.	Time.	Disturbance.
November.		
7th . . .	22½h.	Increase of H. F. (20).
8th to 9th .	19½h. to 2½h.	Three successive waves in H. F. (+25, +22, and +22) culminating at 8th 20h., 8th 22½h. and 9th 1½h. respectively.
17th . . .	20h. to 20½h.	Increase of H. F. (30).
18th . .	½h. to 2h.	Wave in H. F. (+25).
18th . .	18½h. to 20½h.	Wave in H. F. (+40); in declination (+20).
18th . .	20½h. to 23h.	Double crested wave in H. F. (+43).
19th . .	0h. to 2h.	Wave in H. F. (+30).
[illegible]th . .	21h. to 23h.	Sharp pointed wave in H. F. (+62).
29th to 30th .	12h. to 6h.	Frequent small undulations in H. F. and declination.

TABLE 9.

—	Aug., 1910.	Sept., 1[illegible]
Departure from normal of mean pressure . . .	—·034	—·021
Actual mean wind direction	S 73° E	S 66° [illegible]
Normal mean wind direction	S 68° E	S 71°
Actual mean wind velocity (miles per diem) . .	252	249
Normal mean wind velocity (miles per diem) . .	296	288
Rainfall departure from normal	+0·32	—0·23

Weather in the Indian monsoon region.

8. The barometer was slightly high and rainfall a little below normal in the equatorial region near the East African coast.

TABLE 10.

—	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.	Not yet received.	+·021	+·018
Actual mean wind direction .		S 3° W	S 4° E
Normal mean wind direction .	Not yet received.	S 36° E	S 56° E
Actual mean wind velocity (miles per diem).		88	121
Normal mean wind velocity (miles per diem).		110	127
Rainfall departure from normal .		—0·09	—1·43

Depressions and cyclonic storms.

9. The monsoon was very vigorous over the Bay during the first half of the month, and gave rise to two storms. According to the scanty information received up to the present from ships, the first of these was generated on the 3rd and 4th nearly midway between the Coromandel coast and the Andamans and thence travelled in a northwesterly direction, striking the coast near Nellore on the evening of the 6th. Its depth, as measured by the departures from normal of pressure at the centre, was upwards of a third of an inch on the 5th and 6th, but diminished rapidly as the disturbance progressed inland, and by the morning of the 8th had become reduced to only a tenth of an inch. The disturbance at this stage was in fact nothing more than a diffuse low pressure area covering the west of the Deccan and the north Konkan. The residual depression advanced through Khandesh on the 9th, the Central Provinces on the 10th and 11th and Chota Nagpur on the 12th into Bihar and the adjacent districts to the east on the 13th.

It was very feebly marked on the last three days, its existence in the barometric map, being revealed merely by a peculiarity in the lie of isobars. The strongest winds caused by it over the Bay did not exceed force 8, and it was therefore not a severe disturbance. It was however remarkab for the unusual path followed on the last three days its existence, as well as for the unseasonable rain it occ sioned in the Central Provinces, Central India and the ea of the United Provinces.

It may be noted that a similar disturbance occurred October, 1887.

As is usually the case at this time when a storm is a proaching or passing through the Peninsula, weather w disturbed along the Konkan and Malabar coasts.

The second disturbance apparently formed over the cent of the Bay on the 12th and 13th, and advancing in a northe ly to northeasterly direction passed into Burma near Akya on the 14th, and was broken up soon after.

Although the greatest strength of the winds recorded c vessels from which information is forthcoming was only or 8 (Beaufort scale), there are some grounds for believin that the disturbance was one of considerable intensity wit a barometric depth of about half an inch.

Pressure.

10. Atmospheric pressure ruled below the normal in almost all places. The deficiency over at least three-fourths of the country was coincident with slightly lower temperature than usual, and was generally somewhat more marked at the level of the hill stations than in the plains.

TABLE 11.

DIVISION.	Departure from normal of mean 8 hrs. pressure.
	"
Burma	—·041
Eastern Bengal and Assam	—·028
Bengal	—·022
United Provinces	—·023
Punjab	—·014
North-West Frontier Province	—·035
Sind	—·023
Rajputana	—·013
Bombay	—·010
Central India	—·015
Central Provinces	—·009
Hyderabad	—·029
Mysore	—·021
Madras	—·015

TABLE 12.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference. B—A.
	"		"	"
Quetta	—·017	Jacobabad	—·036	—·019
Leh	—·035	Lahore	—·018	+·017
Murree	—·026	Peshawar	—·030	—·004
Simla	—·028	Ludhiana	—·010	+·018
Chakrata	—·024	Roorkee	—·018	+·006
Darjeeling	—·058	Dhubri	—·032	+·026
Mount Abu	—·020	Deesa	—·005	+·015
Pachmarhi	—·013	Khandwa	—·002	+·011
Kodaikanal	—·043	Madura	+·017	+·060

Temperature.

11. The temperature conditions differed to no important extent from the normal. Both day and night temperatures were slightly lower than usual over Central India and the greater part of the Peninsula including the Central Provinces, and night temperatures only in Orissa, Baluchistan, Kashmir, Rajputana and Gujarat.

TABLE 13.

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	85·1	76·9	81·0	8·3	14·1	—1·2	—0·9	—0·3
2. Lower Burma	86·2	72·5	79·4	13·7	21·5	—0·5	+0·5	—1·0
3. Upper Burma	83·7	64·7	74·2	18·9	32·3	—0·7	+1·1	—1·8
4. Assam	80·5	62·1	71·3	18·4	28·8	—0·5	+0·5	—1·0
5. Eastern Bengal	82·4	63·2	72·8	19·2	31·3	+0·5	0	+0·5
6. Bengal	82·7	62·3	72·5	20·5	35·8	+0·3	—1·2	+1·5
7. Orissa	82·4	61·4	71·9	21·0	36·3	—1·5	—3·5	+2·0
8. Chota Nagpur	79·8	56·6	68·2	23·3	40·3	—1·2	—1·9	+0·7
9. Bihar	80·7	59·6	70·1	21·0	36·7	—1·5	—0·6	—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.
	°	°	°	°	°	°	°	°
10. United Provinces, East	80·6	55·3	67·9	25·3	42·8	—2·5	—0·9	—1·6
11. Do. do., West	80·0	53·1	66·6	27·0	42·1	—1·7	—0·3	—1·4
12. Punjab, East and North	80·7	48·7	64·8	32·0	46·4	—0·4	—0·5	+0·1
13. Do., Southwest	83·6	51·7	67·7	32·0	49·2	—0·2	+0·7	—0·9
14. Kashmir	57·4	27·6	42·5	29·8	45·1	+0·2	—2·8	+3·0
15. North-West Frontier Province	78·5	46·9	62·7	31·5	47·1	—1·1	+0·9	—2·0
16. Baluchistan	72·2	41·4	56·7	30·8	52·4	+0·6	—3·1	+3·7
17. Sind	87·3	59·2	73·3	28·2	42·3	+1·2	+0·3	+0·9
18. Rajputana, West	87·0	54·5	70·7	32·5	49·3	+1·4	—3·6	+5·0
19. Do., East	84·6	52·5	68·6	32·1	48·8	—1·2	—3·4	+2·2
20. Gujarat	88·5	60·3	74·4	28·2	43·0	—1·2	—3·2	+2·0
21. Central India, West	81·9	51·7	66·8	30·1	46·7	—2·0	—2·8	+0·8
22. Do., East	79·1	53·9	66·5	25·3	45·1	—2·6	+0·3	—2·9
23. Berar	81·9	57·5	69·7	24·4	39·6	—3·1	—2·8	—0·3
24. Central Provinces, West	79·8	54·5	67·1	25·3	42·8	—3·3	—2·2	—1·1
25. Do., East	79·1	56·9	68·0	22·3	40·5	—2·8	—2·3	—0·5
26. Konkan	85·4	69·8	77·6	15·6	27·0	—2·5	—1·7	—0·8
27. Bombay Deccan	82·4	56·7	69·5	25·7	39·9	—3·3	—2·9	—0·4
28. Hyderabad, North	81·1	58·6	69·8	22·5	38·8	—4·3	—2·3	—2·0
29. Do., South	82·7	61·8	72·2	20·9	34·8	—2·7	—2·1	—0·6
30. Mysore	78·4	61·5	70·0	16·9	29·7	—2·5	—0·9	—1·6
31. Malabar	83·9	72·1	78·1	11·9	19·7	—2·8	—1·4	—1·4
32. Madras, Southeast	85·0	71·2	78·1	13·8	26·0	—0·9	—0·8	—0·1
33. Do. Deccan	84·8	65·2	75·0	19·6	35·5	—3·0	—1·1	—1·9
34. Do. Coast, North	82·7	68·7	75·5	14·0	28·7	—1·7	—1·4	—0·3

TABLE 14.

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

Division.	Departure from normal of		
	Mean maximum temperature.	Mean minimum temperature.	Mean temperature.
	°	°	°
Sind	+1·2	+0·3	+0·7
Rajputana	—0·7	—3·5	—2·1
Bombay	—2·2	—2·7	—2·5
Central India	—2·3	—1·3	—1·8
Central Provinces	—3·2	—2·3	—2·7
Hyderabad	—3·5	—2·3	—2·9
Mysore	—2·5	—0·9	—1·7
Madras	—1·8	—1·1	—1·4

Winds.

12.(*a*) The rate of air movement was about equal to the average except in Eastern Bengal and Assam, the Indus valley and Central India, where it was decidedly lower than usual.

(*b*) Winds blew with considerably more than their usual steadiness in the Punjab, the North-West Frontier Province and Central India, but were very unsteady in Sind and Mysore.

(*c*) The direction of movement was abnormal in Eastern Bengal and Assam, the interior of the Peninsula, and the east of the United Provinces and of Central India: in the two first named areas there was a deficiency of the easterly, and in the last region of the northerly component.

TABLE 15.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	—0·2	— 5
Eastern Bengal and Assam	—0·7	— 2
Bengal	—0·1	+ 5
United Provinces	—0·2	+ 1
Punjab	—0·1	+ 7
North-West Frontier Province	—0·6	+ 3
Sind	—2·0	— 9
Rajputana	—0·4	— 2
Bombay	—0·6	— 5
Central India	—0·8	+ 9
Central Provinces	0	— 4
Hyderabad	—1·2	+ 5
Mysore	—0·8	—27
Madras	+0·3	— 7

Humidity and cloud.

13. Humidities, both absolute and relative, were appreciably above the average in Sind and Central India and in defect in Baluchistan, Kashmir and the southern parts of Hyderabad, but elsewhere the deviations from the normal condition were of no great significance.

Skies were even more free from cloud than usual in November in north-west India, Bengal, Orissa, Chota Nagpur and the greater part of Eastern Bengal and Assam, but in most other places the cloud proportion was in excess of the normal.

TABLE 16.

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	87	+3	·718	+·030	4·3	+0·5
Eastern Bengal and Assam	84	—3	·596	—·022	2·1	—0·3
Bengal	76	—3	·514	—·038	1·2	—0·5
United Provinces	71	0	·401	—·004	1·0	—0·1
Punjab	62	0	·294	—·007	0·4	—1·2
North-West Frontier Province.	69	+3	·281	+·011	1·1	—1·0
Sind	62	+9	·419	+·057	0·1	—1·4
Rajputana	52	+1	·294	—·046	0·4	—1·1
Bombay	60	—2	·463	—·052	1·6	+0·2
Central India	68	+9	·385	+·016	1·4	+0·3
Central Provinces	65	+3	·403	—·020	2·1	+0·6
Hyderabad	63	—1	·458	—·079	2·9	+0·4
Mysore	79	+4	·553	—·004	5·5	+0·7
Madras	79	0	·693	—·036	4·7	+0·5

Rainfall.

14. The monsoon was very active during the first half of the month, and produced two storms in the Bay, of which one crossed into the Peninsula and the other into Burma. The former disturbance was of a rare character, and was the cause of much untimely rain in Central India, the Central Provinces and the east of the United Provinces, areas where under ordinary conditions nothing more than occasional light showers are expected. The dissipation of the second disturbance was followed on the 18th by the final withdrawal of the monsoon from the Bay, an event which usually occurs about the middle of December.

Despite the unusually early retreat of the monsoon from the Bay the aggregate rainfall measurements of the month exceeded the normal in Burma, the Central Province Central India, the United Provinces East, Bihar, and througl out the Peninsula excluding Madras Southeast, and Madra Coast North. The fall was unusually heavy for the time year in the Central Provinces, the United Provinces Eas Bihar, Central India and Berar, which received from thre to eight times their normal quantity, but in Orissa, Easter Bengal and Assam, Bengal, Madras Southeast and Madra Coast North the month's precipitation was below normal.

Little or no rain fell throughout the month in northwes India which under ordinary conditions receives occasiona light falls.

TABLE 17.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
1. Bay Islands	11·5	10·3	6·77	7·69	—0·92	— 12
2. Lower Burma	4·7	2·4	2·99	1·61	+1·38	+ 86
3. Upper do.	3·3	2·1	1·76	1·23	+0·53	+ 43
4. Assam	1·4	1·3	0·49	0·68	—0·19	— 28
5. Eastern Bengal	0·5	0·8	0·25	0·66	—0·41	— 62
6. Bengal	0	0·8	0·01	0·63	—0·62	— 98
7. Orissa	0	1·5	0	1·34	—1·34	—100
8. Chota Nagpur	0·5	0·7	0·25	0·33	—0·08	— 24
9. Bihar	1·6	0·3	1·00	0·18	+0·82	+456
10. United Provinces, East	2·2	0·3	1·23	0·15	+1·08	+720
11. Do., West	0·3	0·3	0·16	0·12	+0·04	+ 33
12. Punjab, East and North	0	0·2	0	0·13	—0·13	—100
13. Do., Southwest	0	0·2	0	0·11	—0·11	—100
14. Kashmir	0	1·0	0	0·41	—0·41	—100
15. North-West Frontier Province	0	0·6	0	0·47	—0·47	—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	0·3	0	0·19	—0·19	—100
19. Do., East	0·1	0·4	0·04	0·19	—0·15	— 79
20. Gujarat	0·3	0·4	0·23	0·28	—0·05	— 18
21. Central India, West	1·5	0·4	1·03	0·21	+0·82	+390
22. Do., East	2·9	0·6	2·14	0·29	+1·85	+638

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
23. Berar	3·5	0·9	2·17	0·58	+1·59	+247
24. Central Provinces, West	3·4	0·6	2·27	0·36	+1·91	+531
25. Do., East	2·8	0·8	2·55	0·54	+2·01	+372
26. Konkan	2·3	1·4	1·48	0·87	+0·61	+ 70
27. Bombay Deccan	2·1	1·5	1·23	0·89	+0·34	+ 38
28. Hyderabad, North	2·9	1·5	1·49	0·90	+0·59	+ 66
29. Hyderabad, South	3·2	2·1	1·75	1·14	+0·61	+ 54
30. Mysore	5·4	3·2	3·28	2·11	+1·17	+ 55
31. Malabar	7·9	5·3	7·47	4·03	+3·44	+ 85
32. Madras, Southeast	7·7	7·7	6·15	6·66	−0·51	− 8
33. Do. Deccan	4·5	3·4	3·39	2·26	+1·13	+ 50
34. Do. Coast, North	3·8	3·7	3·36	3·76	−0·40	− 11

TABLE 18.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	2·33	1·40	+0·93	+ 66
Eastern Bengal and Assam	0·37	0·67	−0·30	− 45
Bengal	0·42	0·52	−0·10	− 19
United Provinces	0·73	0·13	+0·60	+ 462
Punjab	0	0·12	−0·12	− 100
North-West Frontier Province	0	0·47	−0·47	− 100
Sind	0	0·09	−0·09	− 100

Division.	Rainfall.			
	Actual	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Rajputana	0·03	0·20	−0·17	− 85
Bombay	0·96	0·69	+0·27	+ 39
Central India	1·41	0·24	+1·17	+487
Central Provinces	2·28	0·49	+1·79	+365
Hyderabad	1·63	1·03	+0·60	+ 58
Mysore	3·28	2·11	+1·17	+ 55
Madras	5·08	4·99	+0·09	+ 2
Mean of India	1·42	1·01	+0·41	+ 41

Snowfall.

I.—AFGHANISTAN.

15. In the hills near Kabul the first snowstorm of the winter of 1910-11 occurred on the night of the 2nd November when fairly heavy snow fell on the Paghman range. Snowfall recurred on the 3rd on the low hills to the west of Kabul, but it was very feeble.

II.—NORTH-WEST FRONTIER PROVINCE.

No snow fell within the limits of the Wano Agency.

III.—KASHMIR.

Light snow is reported to have fallen on the hills near Kargil and Skardu and at Leh, Dras and Sonemarg.

IV.—PUNJAB.

(*a*) *Kailang.*—A slight snowstorm occurred on the 12th, giving 1½″ of snow.

(*b*) *Kilba* (*Simla Hills*).—Snow fell on the 10th, 11th and 12th down to about 9,000 feet at which level the total fall measured four inches in depth. All the passes remained open for traffic.

V.—UNITED PROVINCES.

Almora.—Several snowstorms occurred during the month. The total fall amounted to about 9 feet in Byans, 7 feet on the Untadhura, Ralamdhura and the Nuwe pass, and 4 feet on the Binkaru pass. The snow line came down to the level of the inhabited region.

TABLE 19.

Name of pass.	Depth of accumulation at the end of the month.	
	Reported.	Normal.
Nuwe pass	33 feet.	19½ feet.
Untadhura "	7 "	8 "
Binkaru "	16 "	16 "
Lipnlekh "	8 "	4 "

VI.—SIKKIM.

There was a very slight fall of snow in Gyantse on the 2nd The first frost of the winter season of 1910-11 was experienced on the 13th of October. There was no snow fall in the Chumbi Valley nor on the surrounding hills Weather was, however, colder than in the correspondin period of 1910.

SUMMARY.

16. So far as can be judged from the very limite information available the snowfall of the month in th mountain zone bordering upper India was below th average, except perhaps in Almora.

HEM RAJ.

Table A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 34 stations in India, etc., in November, 1910.

Ta

Abstract of observations taken at 10 hrs. and 16

Number of subdivision.	Station.	Elevation of bar-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 sea-level 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-bulb. 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 . .	18	29·941	29·824	·117	29·885	—·039	29·840	87·5	73·6	13·9	89·9	68·1	21·8	82·9	85·8	78·9	+0·6	71·9	75·8	75·5
	III.—Bengal.																				
6	Calcutta . .	21	·997	·880	·117	·935	—·029	·902	82·3	63·0	19·3	86·0	52·1	33·9	77·1	80·0	72·0	—0·4	61·3	67·8	68·7
	IV.—United Provinces of Agra and Oudh.																				
10	Allahabad . .	309	·718	·616	·102	·655	—·026	·926	79·4	55·4	24·0	90·1	46·5	43·6	69·7	76·8	65·4	—2·1	54·0	61·4	62·
11	Dehra Dun . .	2,233	27·759	27·680	·079	27·708	—·030	·948	75·1	50·4	24·7	78·7	42·3	36·4	66·6	70·7	61·9	—0·7	48·3	56·7	59·
	V.—Punjab.																				
12	Lahore . . .	702	29·317	29·228	·089	29·264	—·022	·951	83·4	48·6	34·8	91·9	40·2	51·7	71·0	80·7	64·0	+0·8	46·2	57·9	62·
	VIII.—Rajputana.																				
19	Jaipur . . .	1,431	28·603	28·507	·096	28·539	—·023	·946	85·1	51·6	33·5	93·2	44·2	49·0	77·6	82·7	66·5	—2·4	46·3	59·3	59·
	Udaipur . .	1,925	·113†	·009‡	·104	·059		·948†	83·2‡	50·0†	33·2	90·7	40·8	49·9	76·3†	81·5‡	66·2†		46·6†	60·0†	61·
	IX.—Bombay.																				
26	Bombay . .	37	29·954	29·847	·107	29·897	—·016	·874	85·5	71·8	13·7	88·2	67·3	20·9	78·4	81·4	77·9	—1·4	66·1	69·5	72·
	XI.—Central Provinces.																				
24	Nagpur . .	1,017	·002	28·884	·118	28·938	—·007	·930	82·1	57·1	25·0	88·4	48·0	40·4	73·9	80·1	69·1	—3·1	53·0	62·2	63·
	XII.—Hyderabad.																				
29	Hyderabad . .	1,690	28·292	·183	·109	·235	—·016	·889	80·9	60·0	20·9	84·5	49·2	35·3	74·9	77·2	69·8	—2·5	57·5	62·9	63·
	XIII.—Mysore.																				
30	Bangalore . .	3,021	26·983	26·883	·100	26·932	—·015	·869	76·9	60·9	16·0	82·0	52·0	30·0	71·9	73·7	67·9	—1·7	60·1	65·4	66·
	Mysore . . .	2,518	27·469	27·359	·110	27·413	—·027	·858	79·6	63·3	16·3	83·0	53·8	29·2	74·7	77·4	70·5	—1·8	61·6	66·4	66·
	XIV—Madras.																				
32	Pudukkottai .	318	29·637	29·508	·129	29·573		·823	85·4	71·1	14·3	91·6	64·7	26·9	80·2	82·8	78·3		69·2	71·7	72·
	Madras . .	22	·952	·845	·107	·901	—·025	·855	83·1	71·3	11·8	89·7	62·5	27·2	79·2	80·0	76·4	—1·5	69·6	73·7	73·
	Bay Islands.																				
1	Port Blair . .	58	·866	·774	·092	·822	—·030	·810	85·7	76·4	9·3	87·2	73·4	13·8	83·1	82·0	80·3	—0·9	74·0	78·0	77·
	Kashmir.																				
14	Srinagar . .	5,204	25·005	24·891	·114	24·943	—·053	24·914	62·1	27·6	34·5	69·1	19·3	49·8	45·0	59·8	42·9	—1·1	25·3	41·7	55·
	Leh . . .	11,503	19·750	19·651	·099	19·699	—·039	19·667	45·6	19·6	26·0	55·9	12·3	43·6	36·3	41·2	30·6	—1·5	16·6	28·8	30·
	Baluchistan.																				
16	Quetta . .	5,502	24·761	24·689	·072	24·715	—·014	24·675	65·8	30·0§	35·8	76·1	23·6	52·5	55·4	60·6	47·25	—0·8	28·8	40·8	43·

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 26 days. ‡ Mean of 27 days. § Mean of 29 days.

34 stations in India, etc., in November, 1910.

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 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	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.	
3 ·796	·743	·782	−·007	92	71	61	81	−2	4·5	4·7	4·6	+0·6	22	8	15	4	2	5	3		1	N 51° E	N 66° E	28	57	29	91	4·20	1·19	Rangoon . .	2
																														III.—Bengal.	
9 ·562	·558	·565	−·013	90	60	54	71	−3	0·9	1·8	1·3	−1·2	3	16	5	1	5	1	2	1	26	N 22° W	N 12° W	57	58	69*	60	0	0	Calcutta . .	6
																														IV.—United Provinces of Agra and Oudh.	
2 ·416	·380	·410	+·008	91	53	41	67	+3	1·8	1·6	1·7	+0·4	9	5	6	8	1	1	3	17	10	N 47° W	N 51° W	30	24	55	55	3·60	1·89	Allahabad. .	10
5 ·343	·361	·335	−·001	85	52	48	65	+2	0·7	1·7	1·2	−0·3	15	3	2	2	6	4	5	16	6	S 80° W	S 84° W	28	19	25*	31	0	0	Dehra Dun¶ .	11
																														V.—Punjab.	
) ·313	·320	·303	−·013	83	41	30	55	−2	0·2	0·8	0·5	−1·0	20	3	1	1	2	2	1	12	18	N 60° W	N 42° W	43	18	27	31	0	0	Lahore . .	12
																														VIII.—Rajputana.	
5 ·282	·229	·256	−·041	65	29	20	43	−4	0·6	0·7	0·7	−0·8	5	9	6	6	3		3	10	18	N 30° W	N 24° W	42	35	53*	65	0	0	Jaipur . .	19
·318†	·203‡	·306		77†	35†	28‡	50		0·2‡	0·4‡	0·3		23		3	15	6	2	1	2	1	S 77° E		34		39†		0	0	Udaipur.‖	
																														IX.—Bombay.	
·602	·661	·636	−·080	73	62	62	70	−3	2·1	1·9	2·0	+0·3		2	11	15	3	3		6	20	N 16° E	N 18° E	33	51	208*	230	0·14	0·11	Bombay . .	26
																														XI.—Central Provinces.	
1 ·424	·403§	·408	−·021	75	50	39§	58	+1	2·0	1·4	1·7	−0·6	14	9	18	15	2		1		1	N 54° E	N 54° E	57	59	62	89	3·63	2·16	Nagpur . .	24
																														XII.—Hyderabad.	
0 ·432	·425	·450	−·062	85	50	45	63	−3	3·5	3·7	3·6	0	25	3	26	3				2	1	N 40° E	S 75° E	48	63	57	84	1·58	0·95	Hyderabad .	29
																														XIII.—Mysore.	
4 ·552	·553	·553	+·014	95	71	68	81	+6	5·2	6·1	5·7			13	22	6	2	1	4	6	6	N 20° E	N 60° E	48	68	129	120	4·96	1·70	Bangalore . .	30
2 ·548	·531	·550	−·013	90	64	57	73	+2	6·2	6·1	6·1	−0·3		4	23	20	2		5	5	1	N 61° E	N 39° E	55	22	165	206	1·91	0·33	Mysore.	
																														XIV.—Madras.	
8 ·670	·674	·679		91	65	61	72		5·7	6·0	5·9		4	14	20	3	1	1	5	6	6	N 8° E		45		174		4·85	1·55	Pudukkottai.	32
9 ·752	·750	·760	−·036	92	76	73	83	−1	5·2	5·0	5·1	−0·8		36	11	1	3	1	4	1	3	N 7° E	N 27° E	68	62	147*	156	15·78	7·02	Madras.	
																														Bay Islands.	
3 ·889	·859	·875	−·066	89	79	79	85	0	6·0	7·8	6·9	+1·1	15	5	5	12	12	5	1	3	2	N 77° W	N 81° E	32	42	160	161	10·52	1·68	Port Blair .	1
																														Kashmir.	
3 ·232	·384	·227	−·006	74	75	73	** 74	−5	0·8	1·9	1·3	−1·7	13	1	4		17	1	4	3	17	W	N 1° E	5	21	53	62	0	0	Srinagar . .	14
72 ·100	·084	·085	−·013	62	47	34	50	−6	2·3	4·8	3·5	−0·7			1	4	8	25	17	4	1	S 9° W	S 27° W	70	37	72	50	0·01	0·01	Leh.	
																														Baluchistan.	
495 ·107	·101	·119	−·038	88§	24	19	48	−3	0·7	0·9	0·8	−0·9	21	6		1		1	11	6	24	N 46° W	N 51° W	52	40	37	48	0	0	Quetta . .	16

* Uncorrected for scale error.

‡ Wind observations less 7.
¶ " " " 1.

** Mean of three previous columns.

Abstract of observations taken at 10 hrs. and 16 hrs. at 34 st

Number of sub-division.	Station.	Elevation of bar-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 sea-level 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-bulb. 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 . . .	7,232	23·179	23·128	·051	23·143	—·022	23·106	54·7	43·4	11·3	61·1	39·6	21·5	50·6	50·7	48·6	—1·5	34·8	39·9	41·[illegible]
	Sarain . . .		·217	·163	·054	·180		·142	55·9	32·9	23·0	62·9	28·3	34·6	47·7	45·5	43·9			39·4	39·[illegible]
	Kalabagh‡ . .		20·147	20·117	·030	20·122		20·085	41·2	28·9	12·3	46·4	24·1	22·3	36·7	36·9	34·6			32·2	32·[illegible]
	Chakrata . .	7,022	23·356	23·309	·047	23·323	—·018	23·282	63·2	42·3	20·9	67·3	37·9	29·4	55·8	53·5	52·2	+0·7	36·1	45·8	45·[illegible]
	Muktesar . .	7,592	22·907	22·846	·061	22·867		22·825	57·9	41·5	16·4	62·5	36·5	26·0	51·8	54·4	49·2		34·7	42·5	45·[illegible]
	Katmandu . .	4,388	25·740	25·636	·104	25·685	—·013†	25·639	70·5	45·6	24·9	75·3	37·2	38·1	57·9	67·2	57·6	—0·2†	44·0	53·1	56·[illegible]
	Darjiling . .	7,376	23·053	22·981	·072	23·014	—·069	22·969	55·8	42·3	13·5	62·3	37·8	24·5	52·7	51·1	49·6	+1·8	40·3	47·4	48·0
	Pachmarhi . .	3,528	26·543	26·432	·111	26·480	—·045	26·428	70·0	48·2	21·8	80·0	36·6	43·4	61·8	66·5	58·6	—3·2	46·0	54·1	56·2
	Mount Abu . .	3,945	·161	·084	·077	·115	—·023	·065	72·4	56·1	16·3	79·0	49·8	29·2	68·9	69·5	63·8	—1·4	44·7	51·9	52·3
	Chikalda . .	3,642	·423	·324	·099	·366	—·050	·310	71·5	54·8	16·7	79·3	48·3	31·0	65·7	68·4	62·6	—3·9	49·4	55·4	57·0
	Ootacamund .	7,327	23·070	22·997	·073	23·030		22·966	63·4	47·1	16·3	67·7	36·4	31·3	60·2	57·8	54·7		44·8	53·1	54·0
	Kodaikanal . .	7,688	22·829	·760	·069	22·794		·729	61·1	49·9	11·2	70·3	44·6	25·7	58·0	56·5	55·4		46·7	53·7	53·6
	Dodabetta . .	8,539?	·069	21·998	·071	·031		21·968	57·9	46·7	11·2	62·7	42·1	20·6	54·1	52·5	51·8		41·1	49·2	49·8
	Extra India.																				
	Minicoy . .	7	29·957	29·903	·054	29·935															
	Zanzibar . .	72	·993	·876	·117	29·940	+·021	29·938	82·9	78·2	5·7	87·2	75·8	11·4	80·9	83·0	80·1	+0·7	72·0	75·6	75·7
	Diego Garcia .											Observations not received.									
	Seychelles . .	15	29·996	29·899	·097	29·960	+·018†	29·900	82·7	76·6	7·1	85·7	73·5	12·2	81·7	82·2	78·8	+1·2†	71·1	75·3	75·1
	Mauritius . .	181										Observations not received.									

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.

‡ Observations of 9 days. † Departure from old normal.

—concluded.

n India, etc., in November, 1910—concluded.

Vapour tension in inches of mercury.					Humidity.					Cloud.				Wind direction.											Wind steadiness.		Wind velocity.		Rainfall.			
														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.	Station.	Number of subdivision.
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.	
·117	·137	·168	·141	—·030	41	37	44	45	− 6	0·9	1·8	1·3	—1·0																0·01	0·01	Simla.	
	·161	·186				49	60			1·5	2·2	1·9		34		1	1		4	16	4		S 43° W		33		51		0·12	0·10	Sarain.	
	·146	·142				68	66			2·5	2·2	2·3																	0·20	0·20	Kalabagh.	
·151	·205	·224	·193	—·003	56	46	54	56	− 1	1·1	1·7	1·4	−0·4	8	6			22	21		2	1	S 23° E	S 51° W	53	30	82	130	0·17	0·13	Chakrata.	
·137	·178	·217	·177		52	46	51	54		1·9	3·8	2·9		21			4	2	6	3	24		S 65° W		38		131		0·07	0·05	Muktesar.	
·272	·351	·336	·320	—·016	88	73	51	75	0	1·0	1·3	1·1	—1·5	1	4	1	21			1	32		N 70° W	N 81° W	20	42	* 13	14	0·08	0·06	Katmandu.	
·231	·272	·301	·268	+·004	85	69	80	82	− 1	3·9	5·2	4·5	+0·2	34		6	3	3		8	5	1	S 35° W	N 54° W	5	10	15	65	0·06	0·03	Darjiling.	
·300	·340	·343	·328	+·020	85	61	53	73	+12	1·2	0·3	0·7	—1·4	5	17	27	5	2	2		1	1	N 36° E	N 44° E	68	39	62§	67	2·84	0·88	Pachmarhi.	
·168	·191	·198	·187	—·056	37	27	27	37	− 8	0	0	0	—1·4		6	12	1	11	4	11	3	12	N 30° W	N 44° E	6	15	98	106	0	0	Mount Abu.	
·303	·330	·342	·325	—·028	68	52	49	63	+ 3	1·6	1·5	1·5	—0·7																3·11	1·02	Chikalda.	
·280	·334	·380	·331		84	65	79	76		6·2	7·3	6·7		15	2	9	15	5	5	2	7		S 85° E		28		56		7·63	2·16	Ootacamund.	
·295	·373	·385	·351		81	79	85	81		7·0	7·0	7·0		2	7	9	3	5	6	1	6	21	N 26° W		33		* 233		11·41	3·62	Kodaikanal.	
·208	·312	·333	·284		64	77	84	75		7·0	8·1	7·5		2	14	16	7	5	2	2	5	7	N 24° E		43		310		11·23	2·47	Dodabetta.	
																															Extra India.	
										4·4	4·8	4·6			13	5	2	2	6	7	20	5	N 70° W		38		214		6·77	1·23	Minicoy.	
·704	·812	·788	·786	—·058	73	78	70	76	− 6	6·7	4·5	5·6	+0·2	1	4	7	3	13	10	11	8	3	S 3° W	S 36° E	27	17	88	110	7·47	1·77	Zanzibar.	
										Observations not received.																					Diego Garcia.	
·687	·792	·776	·777	—·059	75	73	71	76	− 7	5·9	5·8	5·9	—†1·0	16	4	3	1	8	18	1	2	7	S 4° E	S 56° E	22	14	* 121	127	9·00	3·34	Seychelles.	
										Observation not received.																					Mauritius.	

* Uncorrected for scale error.

§ Mean of 29½ days.

Table B.—Abstract of observations taken at 8 hrs. at 237 stations in India, etc., in November, 1910.

(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 2,000 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	—·041	85·0	—0·5	68·8	+0·7	76·9	+0·1	16·2	26·6	—0·2	— 5	87	+ 3	·718	+·030	4·3	+0·5	2·33	1·40	+0·93
Eastern Bengal and Assam	—·028	81·9	+0·2	62·9	+0·1	72·4	+0·2	19·0	30·5	—0·7	— 2	84	— 3	·596	—·022	2·1	—0·3	0·37	0·67	—0·30
Bengal	—·022	81·5	—0·9	60·3	—1·7	70·9	—1·3	21·2	36·9	—0·1	+ 5	76	— 3	·514	—·038	1·2	—0·5	0·42	0·52	—0·10
United Provinces of Agra and Oudh	—·023	80·3	—2·0	54·1	—0·5	67·2	—1·3	26·2	42·4	—0·2	+ 1	71	0	·401	—·004	1·0	—0·1	0·73	0·13	+0·60
Punjab	—·014	81·6	—0·3	49·6	—0·1	65·7	—0·2	32·0	47·3	—0·1	+ 7	62	0	·294	—·007	0·4	—1·2	0	0·12	—0·12
North-West Frontier Province	—·035	78·5	—1·1	46·9	+0·9	62·7	—0·1	31·5	47·1	—0·6	+ 3	69	+ 3	·281	+·011	1·1	—1·0	0	0·47	—0·47
Sind	—·023	87·3	+1·2	59·2	+0·3	73·3	+0·7	28·2	42·3	—2·0	— 9	62	+ 9	·419	+·057	0·1	—1·4	0	0·09	—0·09
Rajputana	—·013	85·3	—0·7	53·1	—3·5	69·2	—2·1	32·2	48·9	—0·4	— 2	52	+ 1	·294	—·046	0·4	—1·1	0·03	0·20	—0·17
Bombay	—·010	85·9	—2·2	61·6	—2·7	73·7	—2·5	24·3	38·1	—0·6	— 5	60	— 2	·463	—·052	1·6	+0·2	0·96	0·69	+0·27
Central India	—·015	80·5	—2·3	52·8	—1·3	66·6	—1·8	27·7	45·9	—0·8	+ 9	68	+ 9	·385	+·016	1	+0·3	1·41	0·24	+1·17
Central Provinces	—·009	80·3	—3·2	55·9	—2·3	68·1	—2·7	24·4	41·8	0	— 4	65	+ 3	·403	—·020	2	+0·6	2·28	0·49	+1·79
Hyderabad	—·029	82·0	—3·5	60·4	—2·3	71·2	—2·9	21·6	36·5	—1·2	+ 5	63	— 1	·458	—·079	2·9	+0·4	1·63	1·03	+0·60
Mysore	—·021	78·4	—2·5	61·5	—0·9	70·0	—1·7	16·9	29·7	—0·8	—27	79	+ 4	·553	—·004	5·5	+0·7	3·28	2·11	+1·17
Madras	—·015	84·2	—1·8	70·0	—1·1	77·1	—1·4	14·3	26·8	+0·3	— 7	79	0	·693	—·036	4·7	+0·5	5·08	4·99	+0·09

Ta

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

Number of sub-division.	Station.	Elevation of barometer 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.
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	Victoria Point	97?	29·781		29·835?	29·854	14th	29·736	6th & 25th	·118												
	Mergui	65	29·863	—·039	29·859	29·926	18th & 19th.	29·807	25th	·119	77·7	87·1	—0·3	71·6	+1·9	79·4	+0·8	15·5	89·9	13th & 14th.	67·9	19th
	Tavoy	19	29·921	—·050	29·872	29·998	19th	29·874	25th	·124	77·4	88·0	+0·1	73·2	+4·8?	80·7	+2·5?	14·7	90·0	4th, 5th & 13th.	69·8	21st & 22nd.
	Moulmein	94	29·866?	—·020?	29·898?	29·957	18th	29·812	6th	·145	76·8	88·8	+0·4	72·7	+1·6	80·8	+1·0	16·1	91·0	10th	68·8	22nd
	Rangoon	18	29·933	—·035	29·888	30·017	19th	29·883	5th	·134	77·0	87·5	—0·1	73·6	+1·3	80·6	+0·6	13·9	90·1	3rd	67·9	30th
	Bassein	27?	29·934?	—·016?	29·898?	30·018	18th	29·868	15th	·150	75·8	85·6	—0·6	72·5	+1·0	79·0	+0·2	13·1	88·2	10th	66·4	26th, 27th 29th.
	Diamond Island	41	29·903	—·029	29·879	29·983	19th	29·847	15th	·136	80·7	85·7	+0·2	74·1	—1·1**	79·9	—0·5	11·6	87·4	4 days	71·7	28th & 30th.
	Toungoo	164	29·793	—·030	29·902	29·878	18th & 19th.	29·735	15th	·143	74·5	86·3	—1·0	71·1**	+0·4	78·9**	—0·3	15·2	89·5	11th	61·9	30th
	Kyaukpyu	18	29·928		29·886	30·007	19th	29·795	14th	·212	76·8	83·5		73·3		78·4		10·2	87·0	6th, 11th & 12th.	68·4	17th & 24th.
	Akyab	20	29·959	—·031	29·900	30·023	18th	29·763	14th	·260	72·7	83·2	—1·9	69·9‡	—1·5‡	76·5‡	—1·7	13·3	87·4	8th & 12th.	64·0	17th
3	Thayetmyo	121	29·836	—·037	29·900	29·937	18th	29·752	15th	·185	73·5	86·5	—1·5	67·0	—0·3	76·7	—0·9	19·5	90·5	12th, 13th & 14th.	54·9	30th
	Minbu	*165*	29·809	—·058	29·921	29·899	18th	29·702	15th	·197	73·2	86·9	—1·7	68·4	+0·3	77·6	—0·7	18·5	91·8	12th	60·0	30th
	Yamethin	657	29·287	—·072	29·910	29·380	18th	29·190	15th	·190	71·7	85·6	—3·2?	67·6	+0·6	76·6	—1·3?	18·0	90·8	12th & 13th.	59·0	30th
	Mandalay	250	29·731	—·025	29·935	29·818	18th	29·622	15th	·196	72·5	86·6	+1·9	67·9	+0·7	78·3	+1·3	20·7	94·0	12th	61·1	24th
	Monywa	*280*	29·730		29·966	29·815	18th	29·639	15th	·176	70·8	84·8		67·5		76·2		17·3	89·2	13th	58·1	30th
	Lashio	*2,820*	27·172	—·065	29·956	27·247	18th	27·105	25th	·142	61·4	76·7	—0·4	56·6	+2·3	66·7	+0·9	20·1	81·3	7th & 8th	48·0	24th & 30th.
	Bhamo	*381*	28·624	—·027	29·971	29·708	19th	29·527	16th	·181	66·4	80·2	—1·6	61·5	+2·3	70·8	+0·3	18·7	84·4	14th	54·1	24th
	Myitkyina	458	29·532		29·962	29·623	18th	29·389	16th	·234	67·7	80·1		61·4		70·8		18·7	85·2	6th	54·0	25th & 29th.
	II.—Eastern Bengal and Assam.																					
4	Dibrugarh	353	29·664		29·992	29·752	19th	29·577	16th	·175	65·4	79·1		60·9		70·0		18·2	82·9	4th, 7th & 10th.	54·1	30th
	Sibsagar	333	29·702	—·028	30·008	29·785	18th	29·627	16th	·158	63·7	77·2	—1·1	60·0	+0·4	68·6	—0·3	17·2	81·6	8th	53·0	27th
	Tezpur	252	29·767		29·988	29·864	22nd	29·664	16th	·200	65·5	81·3		62·8		72·0		18·5	84·6	8th	57·9	27th, 29th & 30th.
	Gauhati	195	29·820		29·979	29·912	22nd	29·728	14th	·184	66·8	81·5		60·9		71·2		20·6	86·8	7th	55·1	25th, 28th & 30th.
	Dhubri	115	29·887	—·032	29·960	29·979	22nd	29·802	14th	·177	68·3	78·6	—1·2	65·0	+1·5	71·8	+0·1	13·6	81·5	8th & 19th	59·1	30th
	Silchar	104	29·902	—·017	29·961	29·983	22nd	29·814	15th	·169	68·9	85·6	+0·3	63·1	—0·5	74·3	+0·1	22·5	90·3	5th	55·8	27th, 28th & 29th.
5	Cox's Bazar	36	29·921		29·901	29·989	22nd	29·848	14th	·141												
	Chittagong	87	29·882	—·034	29·917	29·965	22nd	29·792	14th	·173	70·4	83·5	+0·5	64·1	—1·7	73·8	—0·6	19·4	88·0	6th	57·0	30th
	Noakhali	43	29·943		29·933	30·023	22nd	29·861	14th	·162	70·3	82·5		64·6		73·5		17·9	86·8	6th	57·9	30th
	Barisal	12	29·964	—·026	29·923	30·058	22nd	29·886	14th	·172	71·6	82·7	—0·1	63·9	—1·1	73·3	—0·6	18·8	85·3	7th & 14th	56·1	30th
	Comilla	36	29·948		29·932	30·033	22nd	29·878	14th	·155	72·3	84·5		64·6		74·6		19·9	88·3	5th, 6th & 7th.	57·3	27th & 30th.
	Narayanganj	26	29·955	—·027	29·931	30·047	22nd	29·878	14th	·169	70·5¶	83·0¶	0 ¶	65·0¶	0 ¶	74·0¶	0	18·0	87·5	8th	57·8	30th
	Faridpur	46	29·954		29·951	30·055	22nd	29·878	14th	·177	70·7	81·9		63·6		72·8		18·3	85·3	7th	53·9	30th
	Sirajganj	49	29·942		29·942	30·040	22nd	29·872	11th	·168	68·0	81·9		64·4		73·2		17·5	84·9	4th	56·3	30th
	Mymensingh	62	29·935	—·022	29·950	30·026	22nd	29·866	14th	·160	72·4	83·2	+1·7	65·3	+1·6	74·3	+1·7	17·9	86·1	6th, 7th & 8th.	58·1	30th
	Bogra	75	29·925	—·021	29·953	30·025	22nd	29·858	11th & 14th.	·167	70·0	82·1	+0·1	62·9	+0·5	72·5	+0·3	19·2	86·7	8th	51·2	25th
	Rampur Boalia	70	29·927		29·948	30·033	22nd	29·850	11th	·183	69·7	82·2		62·5		72·4		19·7	86·1	8th	52·1	30th
	Malda	72	29·927§		29·953§	30·013	22nd	29·849	11th	·164	70·0	80·3		61·2		70·8		19·1	84·8	8th	51·0	29th & 30th.
	Dinajpur	123	29·874	—·028	29·956	29·976	22nd	29·788	14th	·188	66·9	82·0	—0·4	60·7	—0·3	71·3	—0·3	21·3	85·8	8th	51·5	29th & 30th.
	Rangpur	123	29·885‖		29·968‖	29·979	22nd	29·807	13th	·172	69·2	81·8		61·1		71·2		20·5	85·1	6th	51·4	30th

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

** Mean of 19 days. ‡ Mean of 29 days.

¶ " " 28 " ‖ " " 27 "

§ " " 23 "

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

ndia, etc., in November, 1910.

Wind direction. of winds from 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 May to 30th November, 1910.	Normal rainfall for period, 1st May to 30th November.	Departure from normal of period, 1st May to 30th November, 1910.	Heaviest rainfall during month.	Station.
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.
5	4	5	1			N 80° E					49						5·9												Victoria Point
1						N 45° E	N 29° E	4·9	1·6	+3·3	10	—42	88	+10	·823	+·073	3·9	−0·4	7	5·60	+1·40	4·45	3·70	+ 0·75	142·67	155·53	−12·86	2·30	Mergui.
1						E	N 29° E	1·0*	1·2	—0·2	3	— 5	85	+ 4	·797	+·059	3·2	—0·8	6	3·90	+2·10	3·11	1·96	+ 1·15	228·48	203·34	+25·14	1·30	Tavoy.
5					1	N 15° E	N 4° E	3·9	2·4	+1·5	66	+44	86	+ 3	·794	+·044	4·5	+0·8	2	2·50	—0·50	1·80	1·93	− 0·13	179·60	179.79	— 0·19	0·98	Moulmein.
3						N 32° E	N 68° E	1·7	3·9	−2·2	66	+ 6	84	— 3	·782	+·014	4·9	+1·7	6	2·80	+3·20	4·20	2·43	+ 1·77	95·42	94·23	+1·19	1·19	Rangoon.
1		1				N 45° E	N 56° E	3·0	3·6	—0·6	13	−46	87	+ 1	·781	+·017	2·9	− 0·5	4	3·80	+0·20	2·12	3·51	− 1·39	80·34	109·88	—29·54	0·77	Bassein.
3	2		2			N 57° E	N 53° E	9·3	9·2	+0·1	66	— 7	79	+ 1	·829	+·039	3·0	—1·1	7	7·10	—0·10	2·98	5·41	— 2·43	87·45	113·59	—26·14	0·62	Diamond Island.
	2				6	N 3° E	N 12° W	1·3	1·7	—0·4	53	+ 1	89	+ 1	·764	+·031	5·4	+0·9	3	2·00	+1·00	2·12	1·20	+ 0·92	78·86	76·32	+ 2·54	1·00	Toungoo.
3	3				1	N 49° E		3·8*			76		82		·765		2·1		5			5·90			147·71			3·50	Kyaukpyu.
2						N 34° E	N 26° E	3·2	2·3	+0·9	86	+ 2	90	+ 1	·721	—·024	3·4	—0·3	3	2·80	+0·20	10·38	2·77	+ 7·61	204·58	186·52	+18·06	4·85	Akyab.
	1		3	2		N 21° E	N 4° E	3·3*	3·6	—0·3	56	+ 1	86	+ 8	·718	+·053	3·9	+1·3	3	2·40	+0·60	2·47	1·74	+ 0·73	27·14	35·58	— 8·44	1·21	Thayetmyo.
		3	1		23	N 48° W	N 48° W	3·3	7·1	—3·8	76	0	81	+ 5	·668	+·015	3·5	+0·9	4	1·30	+2·70	2·43	0·45	+ 1·98	34·36	30·31	+ 4·05	1·10	Minbu.
3					14	N 37° W	N 18° W	2·0	3·0	—1·0	37	—11	90	+ 6	·698	+·023	5·1	+3·0	4	2·60	+1·40	2·77	0·97	+ 1·80	38·58	34·88	+ 3·70	2·03	Yamethin.
1					3	N	N 11° E	2·3	2·0	+0·3	13	— 7	86	+ 1	·674	—·013	4·2	+0·4	4	2·90	+1·10	1·44	1·71	— 0·27	41·17	30·69	+10·48	0·58	Mandalay.
					6	N 8° W		2·9			82		92		·691		4·2		3	2·10	+0·90	2·60	1·01	+ 1·59	38·32	27·30	+11·02	1·69	Monywa.
			1			N 53° E		1·8*			17		94	+ 3	·517	+·034	7·0	+ 0·1	4			3·60	2·18	+ 1·42	72·60	57·16	+15·44	1·82	Lashio.
						†	N 23° E	1·1	1·7	—0·6			95	+ 5	·622	+·054	5·7	+1·5	4	2·00	+2·00	1·51	1·01	+ 0·50	88·49	69·53	+18·96	0·59	Bhamo.
						N 66° E		1.0			7		84		·564		3·8		3			0·86	0·75	+ 0·11	98·70	70·19	+28·51	0·53	Myitkyina.
																													II.—Eastern Bengal and Assam.
						N 59° E		0·3			7		89		·552		3·8		4	1·50	+2·50	0·96	0·81	+ 0·15	98·28	95·00	+ 3·28	0·30	Dibrugarh.
						N 45° E	N 60° E	0·7	1·5	—0·8	20	− 7	100	+ 2	·597	+·021	7·9	+2·7	3	2·00	+1·00	0·45	0·93	— 0·48	81·48	77·74	+ 3·74	0·19	Sibsagar.
						N 66° E		2·1			7		89		·558		1·7		0	1·20	—1·20	0·03	0·41	− 0·38	69·61	61·11	+ 8·50	0·03	Tezpur.
2	2					S 66° E		1·5			23		93		·615		6·7		2	0·80	+1·20	0·53	0·31	+ 0·22	43·44	53·09	— 9·65	0·28	Gauhati.
1		1				N 67° E	N 65° E	4·4	5·1	-0·7	69	— 8	88	0	·609	+·017	0·9	—1·0	1	0·30	+0·70	0·61	0·22	+ 0·39	89·97	85·69	+ 4·28	0·61	Dhubri.
		1				N 45° E	N 79° E	1·0	1·7	—0·7	10	+ 2	89	+ 2	·634	+·005	2·5	—2·2	0	2·00	—2·00	0·09	1·25	— 1·16	116·29	99·15	+17·14	0·09	Silchar.
					1	N 39° E		1·6			70						1·8		0			0			97·97			0	Cox's Bazar.
1				1	7	N 8° W	N 43° E	1·8	2·7	-0·9	69	— 4	86	— 3	·644	—·037	1·9	—1·6	0	1·80	—1·80	0	1·48	— 1·48	96·17	87·80	+ 8·37	0	Chittagong.
					4	N 5° E		1·9			77		87		·614		1·7		0	1·39	—1·39	0	1·61	— 1·61	132·65	104·45	+28·20	0	Noakhali.
					5	N 6° W	N 13° E	0·9	1·7	-0·8	43	+18	79	— 4	·614	—·064	1·7	-0·2	0	1·32	-1·32	0	1·26	— 1·26	73·29	70·21	+ 3·08	0	Barisal.
						N		0·8			3		84		·665		0·7		0	1·55	-1·55	0	1·19	— 1·19	101·17	79·50	+24·67	0	Comilla.
1				1	9	N 9° W	N 13° E	1·4	2·1	—0·7	56	+13	78¶	— 7¶	·583¶	—·076	1·6	—0·8	0	1·33	—1·33	0	1·07	— 1·07	68·86	60·52	+ 8·34	0	Narayanganj
				1	11	N 27° W		1·6			67		81		·618		0·7		0	1·23	—1·23	0	1·03	— 1·03	72·17	60·21	+11·96	0	Faridpur.
		1	1	6	8	N 75° W		1·4			37		85		·592		2·2		0	0·84	—0·84	0	0·55	− 0·55	62·84	55·68	+ 7·16	0	Sirajganj.
					4	N 1° W	N 58° E	0·4	1·1	—0·7	18	—15	81	− 8	·647	+·008	1·6	—1·0	0	0·90	—0·90	0·02	0·65	— 0·63	102·99	78·57	+24·42	0·02	Mymensingh.
					9	N 14° W	N 27° E	1·3	1·4	—0·1	59	+21	72	—13	·540	—·068	1·5	+0·4	0	0·58	—0·58	0·03	0·78	— 0·75	70·00	62·30	+ 7·70	0·03	Bogra.
						†		0·8					79		·586		1·0		0	0·68	-0·68	0·01	0·31	— 0·30	35·20	53·41	−18·21	0·01	Rampur Boalia.
					16	N 21° W		3·4*			73		75		·559		0·8		0	0·39	—0·39	0·14	0·22	— 0·08	50·21	50·34	— 0·13	0·09	Maida.
1		1	6	3		N 32° W	N 21° E	1·5†	2·2	—0·7	20	−35	83	— 1	·553	—·023	1·6	+0·4	3	0·19	+2·81	0·70	0·04	+ 0·66	67·26	67·07	+ 0·29	0·24	Dinajpur.
1			2	1		N 45° E		1·1			60		80		·577		1·0		2	0·13	+1·87	0·36	0·24	+ 0·12	92·38	78·69	+13·69	0·25	Rangpur.

† Indeterminate.

* Uncorrected for scale error.

elevations of which exceed 3,200 feet.

Tab

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

Number of subdivision.	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
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	29·705	—·046	29·956	29·785	22nd	29·603	14th	·182	67·0	83·2	+1·9	61·5	+0·8	72·4	+1·3	21·7	87·4	14th	55·9	29th & 30th.	3
	Cooch Behar	156	29·819		29·967	29·945	22nd	29·760	14th	·185	66·4	81·2		62·5		71·9		18·7	84·3	8th	56·6	29th	2
	III.—Bengal.																						
6	Saugor Island	25	29·971	—·024	29·942	30·076	22nd	29·889	14th	·187	70·8	82·5	+0·8	65·7	—1·4	74·2	—0·3	16·8	88·0	4th	56·0	30th	32
	Midnapore	149	29·854		29·955‡	29·952	22nd	29·770	11th	·182	69·0‡	83·6§		61·0§		72·3§		22·6	89·3	1st	51·7	30th	37
	Calcutta	21	29·984	—·020	29·953	30·093	22nd	29·904	14th	·189	68·8	82·5	+1·1	63·0	—1·6	72·8	—0·3	19·5	86·2	15th	52·0	30th	36
	Jessore	33	29·963	—·022	29·944	30·075	22nd	29·879	14th	·196	72·1	82·9	—0·2	62·2	—1·8	72·6	—1·0	20·7	86·5	12th & 13th.	50·7	30th	35
	Krishnagar	47	29·959		29·956	30·067	22nd	29·879	14th	·188	68·3	83·9		62·8		72·9		20·2	86·9	12th	50·5	30th	36
	Burdwan	99	29·908	—·022	29·957	30·009	22nd	29·828	11th	·181	68·9	83·6	+0·4	63·6	—0·7	73·6	—0·1	20·0	87·4	14th	52·8	29th	39
	Bankura	313	29·687		29·962	29·774	22nd	29·598	13th	·176	69·3	83·2		61·0		72·1		22·2	89·1	1st	51·2	30th	37
	Raniganj	334	29·674		29·977	29·774	22nd	29·573	11th	·201	65·0	84·1		61·0		72·6		23·1	90·5	1st	51·5	29th	36
	Berhampore	67	29·942	—·021	29·960	30·046	22nd	29·854	11th	·192	67·8	81·3	—0·7	63·5	—0·5	72·5	—0·6	17·8	85·1	7th	52·7	30th	32
	Naya Dumka	489	29·509		29·979	29·580	22nd	29·429	11th	·151	66·5	80·7		58·7		69·7		22·0	85·9	1st	48·0	30th	27
7	Balasore‡	50	29·963	—·019	29·960	30·059	22nd	29·877	11th	·182	66·1	82·8	—0·8	59·6	—3·4	71·2	—2·1	23·2	87·4	2nd&14th	49·6	30th	37
	False Point	21	29·984	—·016	29·948	30·076	22nd	29·891	13th	·185	69·9	81·8	—0·6	62·2	—3·3	72·0	—1·9	19·6	87·2	2nd	50·6	27th & 28th	36
	Cuttack	80	29·938	—·004	29·961	30·031	22nd	29·847	13th	·187	68·2	82·9	—2·2	62·9	—3·2	72·9	—2·7	20·0	87·9	2nd	53·2	26th, 27th & 30th.	34
	Puri	24	29·993		29·956	30·085	22nd	29·885	13th	·200	71·4	84·5		66·6		75·5		17·9	89·1	2nd & 14th.	57·6	30th	31
	Angul	455	29·556		29·990	29·652	22nd	29·478	11th & 13th.	·174	67·0	81·2		58·8		70·0		22·4	86·1	1st, 2nd & 3rd.	48·0	26th	36
	Sambalpur	486	29·539	—·009	29·994	29·651	22nd	29·442	11th	·209	66·1	81·4	—2·4	58·4	—3·9	69·9	—3·1	23·0	86·6	3rd & 9th	47·6	27th	39
8	Chaibassa	733	29·246	—·028	29·965	29·936	22nd	29·160	11th	·186	61·9	82·1	—1·2	56·3	—3·2	69·2	—2·2	25·8	89·1	1st	45·8	26th & 30th.	43
	Ranchi	2,128	27·850	—·016	29·965	27·936	22nd	27·768	11th	·168	63·3	76·8	—1·0	55·7	—0·9	66·7	—0·9	20·1	83·7	10th	46·9	25th	36
	Purulia	816	29·175		29·977	29·276	22nd	29·067	11th	·209	62·7	82·9		59·3		71·1		23·6	89·5	1st	50·1	26th & 29th,	39
	Hazaribagh	2,007	27·968	—·022	29·959	28·055	22nd	27·882	11th	·173	65·8	75·8	—1·5	56·4	—1·5	66·1	—1·5	19·4	82·7	1st, 2nd & 10th.	47·5	27th	34
	Daltonganj	730	29·293?		30·023?	29·402	22nd	29·180	11th	·222	58·7	81·5		54·1		67·8		27·4	89·6	1st	42·5	27th	47
9	Purnea	134	29·874	—·026	29·968	29·956	22nd	29·789	13th	·167	64·6	81·1	—0·8	58·6	—0·6	69·9	—0·7	22·5	84·5	7th	48·2	26th	36
	Bhagalpur	160	29·851		29·969	29·936	22nd	29·776	11th	·160	68·9	81·5		59·5		70·5		22·0	87·7	7th	48·8	29th & 30th.	38
	Monghyr	155	29·863		29·977	29·976	22nd	29·779	11th	·197	69·2	80·4		61·6		71·0		18·8	85·7	2nd	51·9	30th	33
	Darbhanga	165	29·844	—·029	29·970	29·945	22nd	29·760	14th	·185	66·9	80·9	—0·4	60·0	—2·0	70·4	—1·2	20·9	85·1	4 days	50·3	30th	34
	Pusa	188	29·823		29·972	29·921	22nd	29·703	13th	·218	65·4	81·6		58·5		70·0		23·1	86·0	3rd & 4th	47·6	30th	38
	Muzaffarpur	177	29·844		29·986	29·943	22nd	29·766	14th	·177	66·8	80·1		59·0		69·6		21·1	84·7	3rd	49·5	29th	36
	Motihari	221	29·785		29·977	29·878	22nd	29·697	14th	·181	63·3	79·9		59·4		69·7		20·5	84·6	7th	50·3	30th	34
	Chapra	181	29·829		29·973	29·932	22nd	29·761	11th	·171	65·1	80·7		60·1		70·4		20·6	86·8	2nd	51·3	29th & 30th.	35
	Patna	183	29·832	—·033	29·977	29·937	22nd	29·760	11th	·177	68·6	79·3	—2·4	60·9	+0·4	70·1	—1·0	18·4	84·0	2nd, 3rd & 7th.	49·7	29th	34
	Arrah	190	29·822		29·974	29·915	22nd	29·745	11th	·170	65·6	80·3		58·3		69·3		22·0	86·6	1st & 2nd	48·3	30th	36
	Buxar	239	29·767		29·974	29·867	22nd	29·692	11th	·175	64·4	81·1		59·1		70·1		22·0	90·0	2nd	49·1	27th	40
	Dehri	351	29·655		29·978	29·759	22nd	29·567	11th	·192	65·6	80·9		60·5		70·7		20·4	88·3	1st, 2nd & 3rd.	50·5	30th	37
	Gaya	372	29·633	—·035	29·976	29·736	22nd	29·537	12th	·199	65·1	80·7	—2·5	59·6	—0·1	70·2	—1·2	21·1	88·9	1st & 2nd	50·2	27th	37
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·744	—·026	29·970	29·835	22nd	29·671	14th	·164	64·4	78·9	—2·7	57·5	—0·8	68·2	—1·7	21·4	85·1	1st	48·8	28th & 29th,	35
	Benares	267	29·751	—·019	29·984	29·857	22nd	29·662	11th	·195	65·1	80·6	—1·5	55·0	—1·1	67·8	—1·3	25·6	89·6	1st	45·1	26th	40
	Allahabad	309	29·697	—·031	29·976	29·801	22nd	29·609	11th	·192	63·7	79·8	—3·3	55·4	+0·3	67·6	—1·5	24·4	90·1	2nd	46·5	26th & 30th.	40

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

§ Mean of 28 days.

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

‡ Mean of 29 days.

—*continued.*

India, etc., in November, 1910—continued.

Wind direction. Number of winds from N. (26)	N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction. (34)	Normal direction. (35)	Wind velocity. Mean velocity, miles per hour. (36)	Normal. (37)	Departure from normal. (38)	Wind steadiness. Actual percentage. (39)	Departure from normal. (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal. (42)	Mean vapour tension at 8 hrs. in inches of mercury. (43)	Departure from normal in inches of mercury. (44)	Cloud. Mean cloud amount at 8 hrs. (45)	Departure from normal. (46)	Rainfall. Number of rainy days. (47)	Normal number of rainy days. (48)	Departure from normal. (49)	Rainfall of month. (50)	Normal rainfall of month. (51)	Departure from normal. (52)	Total rainfall from 1st May to 30th November, 1910. (53)	Normal rainfall for period, 1st May to 30th November. (54)	Departure from normal of period, 1st May to 30th November, 1910. (55)	Heaviest rainfall during month. (56)	Station. (57)
																															II.—Eastern Bengal and Assam—*concld*
								†	N 20° E	1·1					84	0	·563	+·001	1·7	+0·5	0	0·32	−0·32	0	0·13	−0·13	136·41	117·13	+19·28	0	Jalpaiguri.
	1	2						N 72° E		1·0			10		88		·569		1·4		0	0·37	−0·37	0	0·14	−0·14	170·74	120·16	+50·58	0	Cooch Behar.
																															III.—Bengal.
19	9						2	N 10° E	N 10° E	6·2	7·0	−0·8	92	+19	85	−2	·644	−·044	1·8	−1·3	0	1·35	−1·35	0	1·71	−1·71	60·84	68·39	−7·55	0	Saugor Island.
24	1						2	N 2° W‡		1·7			90		66‡		·480‡		0·6‡		0	1·14	−1·14	0	0·80	−0·80	42·37	55·97	−13·60	0	Midnapore.
8		1	1			1	12	N 26° W	N	3·0*	2·5		59	+14	80	−2	·584	−·027	0·8	−1·0	0	0·96	−0·96	0	0·68	−0·68	53·24	55·39	−2·15	0	Calcutta.
3	1			1		4	1	N 50° W	N 6° W	0·5	1·6	−1·1	17	−9	71	−15	·579	−·068	1·1	−0·9	0	1·10	−1·10	0	1·38	−1·38	69·06	57·11	+11·95	0	Jessore.
							1	N 45° W		0			3		80		·563		0·3		0	0·81	−0·81	0	0·74	−0·74	71·16	49·95	+21·21	0	Krishnagar.
8	2	1				1	11	N 20° W	N 5° W	1·3	1·6	−0·3	59	+19	73	−2	·528	−·031	1·3	−0·7	0	0·81	−0·81	0	0·79	−0·79	47·12	52·65	−5·53	0	Burdwan.
						2	2	N 72° W		1·9			10		66		·483		0·8		0	0·79	−0·79	0	0·51	−0·51	41·81	52·10	−10·29	0	Bankura.
							2	N 45° W		0·8			3		75		·480		1·2		0	0·63	−0·63	0	0·54	−0·54	43·01	52·22	−9·18	0	Raniganj.
6	2					2	3	N 16° W	N 13° W	1·0	1·5	−0·5	30	0	79	−6	·559	−·046	2·0	+0·1	0	0·52	−0·52	0·03	0·59	−0·56	52·11	51·43	+0·68	0·03	Berhampore.
							1	N 45° W		1·1			3		74		·495		0·8		1	0·50	+0·50	0·37	0·31	+0·06	52·00	55·37	−3·37	0·35	Naya Dumka.
9					1	1	10	N 30° W	N 21° W	1·0	2·1	−1·1	59	−8	75	−9	·489	−·111	1·1	−1·7	0	1·48	−1·48	0	1·22	−1·22	43·18	59·35	−16·17	0	Balasore.
10	2	1					16	N 21° W	N 19° W	4·0	6·0	−2·0	82	+2	79	−5	·595	−·073	2·5	−0·8	0	2·45	−2·45	0	2·92	−2·92	55·86	61·71	−5·85	0	False Point.
1	1	2			4	4		S 75° W	N 45° W	1·2*	1·6	−0·4	13	−4	78	+2	·553	−·028	1·3	−1·1	0	1·71	−1·71	0	1·67	−1·67	66·62	56·60	+10·02	0	Cuttack.
24	6							N 8° E		6·0			93		76		·597		1·0		0	2·45	−2·45	0	2·77	−2·77	47·71	54·79	−7·08	0	Puri.
1	1					3	23	N 47° W		4·7			87		77		·520		1·1		0			0			52·35			0	Angul.
3	9	8	3	5	1	1		N 84° E	N 21° E	4·1	2·7	+1·4	49	−26	70	−6	·509	−·042	1·7	−0·1	0	1·00	−1·00	0	0·59	−0·59	56·16	64·69	−8·53	0	Sambalpur.
2				2	5	10	1	S 79° W	S 77° W	1·9	0·9	+1·0	46	+13	82	+1	·461	−·057	0·7	−1·2	0	0·81	−0·81	0	0·77	−0·77	42·11	47·36	−5·27	0	Chaibasa.
2	1			1	1	8	11	N 61° W	N 63° W	5·7	3·7	+2·0	59	+41	64‖	−2	·388‖	−·037	1·3	−0·2	0	0·72	−0·72	0·08	0·39	−0·31	62·56	51·84	+10·72	0·08	Ranchi.
1					2	18	5	N 83° W		2·9			77		78		·455		0·4		0	0·74	−0·74	0	0·24	−0·24	40·18	49·07	−8·89	0	Purulia.
2	4			3	1	7	9	N 57° W	N 74° W	4·5	4·6	−0·1	43	+19	57	−9	·369	−·049	1·5	−0·6	2	0·65	+1·35	1·05	0·30	+0·75	44·13	50·77	−6·64	0·57	Hazaribagh.
	2	2	1	1				S 85° E		2·5			14		88		·450		1·4		1	0·68	+0·32	1·61	0·35	+1·26	36·39	42·05	−5·16	1·54	Daltonganj.
1						1	6	N 45° W	N 50° E	0·8	1·5	−0·7	27	+16	86	−3	·531	−·024	1·5	+0·5	1	0·16	+0·84	0·21	0·08	+0·13	55·83	62·09	−6·26	0·16	Purnea.
	2				5	1		S 56° W		1·5			10		73		·519		1·3		3	0·23	+2·77	1·08	0·17	+0·91	40·80	46·74	−5·94	0·54	Bhagalpur.
		3	2		2	13	1	S 80° W		2·7			37		76		·561		1·6		1			1·15			36·13			1·07	Monghyr.
		5	1		4	6	5	W	N 48° W	1·5	1·6	−0·1	22	+12	82	0	·554	+·002	1·2	+0·5	1	0·19	+0·81	0·28	0·09	+0·19	49·29	48·71	+0·58	0·21	Darbhanga.
		4			6	4	4	S 82° W		2·0§			23		82		·523		1·2		0			0·13			32·01			0·06	Pusa.
		1	1			3	3	N 72° W		4·0*			10		80		·528		0·7		1	0·37	+0·63	0·31	0·12	+0·19	54·35	43·40	+10·95	0·15	Muzaffarpur.
								†		0·1					88		·519		1·0		0	0·18	−0·18	0·17	0·12	+0·05	60·49	49·39	+11·10	0·09	Motihari.
										?					83		·531		1·2		3	0·39	+2·61	0·74	0·25	+0·49	44·62	38·87	+5·75	0·26	Chapra.
1	1	4	1	3	5	8		S 48° W	S 60° W	2·6	1·8	+0·8	27	0	72	+1	·515	+·008	1·2	−0·1	3	0·32	+2·68	0·59	0·22	+0·37	62·65	46·12	+16·53	0·34	Patna.
	3		2	2	10	6		S 48° W		1·0			40		74		·485		1·1		3	0·42	+2·58	1·00	0·21	+0·79	40·76	43·48	−2·72	0·51	Arrah.
	1	4	2	3	9	6		S 31° W		3·7			40		75		·465		1·3		3	0·39	+2·61	1·45	0·40	+1·05	42·78	39·62	+3·16	0·73	Buxar.
1	1	2	2	8	14	1	1	S 21° W		3·5			67		75		·482		1·2		3	0·44	+2·56	3·86	0·28	+3·58	51·64	41·14	+10·50	3·28	Dehri.
2	1			5		2		S 17° W	S 7° E	2·5	2·3	+0·2	13	−20	79	+8	·501	+·026	1·6	0	3	0·48	+2·52	2·69	0·47	+2·22	49·99	44·91	+5·08	2·33	Gaya.
																															IV.—United Provinces of Agra and Oudh.
3	1	1			1	4		W	N 67° W	0·9	1·0	−0·1	10	−20	79	+3	·488	−·011	1·3	+0·4	3	0·10	+2·90	1·30	0·15	+1·15	64·91	49·84	+15·07	0·60	Gorakhpur.
5	1				3	1		S 71° W	S 53° W	0·2	1·9	−1·7	10	−12	77	−3	·487	+·008	1·7	+0·3	3	0·30	+2·70	2·62	0·31	+2·31	30·52	39·27	−8·75	1·31	Benares.
9		1	4	1	3	10	2	S 84° W	N 82° W	2·5	2·3	+0·2	30	+5	69	−3	·422	−·035	2·0	+0·7	4	0·30	+3·70	3·60	0·25	+3·35	33·71	38·87	−5·16	1·89	Allahabad.

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

‖ Mean of 27 days.
† Indeterminate.

* Uncorrected for scale error.

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

Number of subdivision.	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.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	IV.—United Provinces of Agra and Oudh—*concld.*																					
10	Cawnpore	416	29·582	—·030	29·975	29·679	22nd	29·497	11th	·182	62·9	81·5	—2·6	52·6	—2·4	67·0	—2·5	28·9	92·7	1st	43·0	26th
	Lucknow	368	29·644	—·018	29·987	29·722	23rd	29·569	11th	·153	64·3	82·1	—1·2	54·8	+2·0?	68·5	+0·4?	27·3	90·0	1st	46·1	28th
	Bahraich	401	29·593	—·027	29·978	29·681	22nd	29·527	11th	·154	63·1	80·6	—2·2	56·3	—0·3	68·4	—1·3	24·3	85·6	1st	47·0	26th
11	Jhansi	824	29·206	—·006?	30·014	29·318	22nd	29·107	11th	·211	68·6	82·9	—2·4	60·0	+1·4	71·5	—0·5	22·9	94·5	1st	52·0	24th & 26th.
	Agra	556	29·456	—·027	29·997	29·566	21st	29·356	11th	·210	63·2	83·7	—0·7	55·8	—0·1	69·7	—0·4	27·9	91·0	1st	48·0	22nd, 23rd & 26th.
	Mainpuri	516	29·492†	—·014†	29·996†	29·591	22nd	29·405	11th	·186	58·6†	82·1	—2·1	53·5	—0·7	67·8	—1·4	28·6	89·3	1st	45·1	27th
	Bareilly	568	29·412	—·032	29·972	29·499	20th	29·331	11th	·168	59·8	79·9	—1·2	53·4	+0·6	66·7	—0·3	26·5	84·8	1st & 5th	42·5	30th
	Meerut	733	29·272	—·004	30·015	29·365	20th	29·181	11th	·184	56·5	78·8	—2·5	48·6	—2·0	63·7	—2·3	30·2	85·1	1st	40·8	26th & 29th.
	Roorkee	899	29·088	—·018	30·008	29·195	20th	29·004	11th	·191	55·6	77·4	—3·1	49·6	—0·2	63·5	—1·7	27·8	82·0	1st	40·4	30th
	Dehra Dun	2,233	27·737	—·028	30·004	27·831	20th	27·663	29th	·168	56·6	75·4	+0·4	50·5	—1·3	63·0	—0·5	24·9	79·0	1st & 5th	42·5	28th
	V.—Punjab.																					
12	Delhi	718	29·284	—·014	30·003	29·382	21st & 22nd,	29·188	11th	·194	60·9	81·5‡	—2·2‡	56·2	0	69·6‡	—1·1	25·3	87·2	1st	48·7	17th
	Sirsa	662																				
	Patiala	*818*	29·163		30·017	29·278	20th	29·097	11th	·181	56·3	80·2		49·8		65·0		30·4	85·8	4th	43·0	26th & 28th.
	Ambala	892	29·097	—·016	30·011	29·197	20th	29·015	11th	·182	55·8	81·7	—0·6	47·9	—3·0	64·8	—1·8	33·8	86·5	1st	38·9	23rd & 26th.
	Ludhiana	812	29·184	—·010	30·013	29·293	20th	29·097	11th	·196	56·7	80·6	0	50·4	—0·5	65·5	—0·3	30·2	87·0	4th	42·5	26th
	Lahore	702	29·296	—·018	30·017	29·412	20th	29·213	11th	·199	53·6	83·7	+0·1	48·6	+1·8	66·1	+0·9	35·1	91·9	4th	40·2	26th
	Sialkot	830	29·175	—·001	30·031	29·283	20th	29·106	6th	·177	55·1	79·3	—1·6	45·7	—4·2?	62·5	—2·9?	33·6	86·0	3rd	37·0	26th
	Rawalpindi	1,674	28·320	—·021	30·066	28·436	20th	28·261	11th & 16th	·175	50·4	78·0	+0·8	42·6	—0·7	60·3	+0·1	35·4	83·9	5 days	32·9	25th
13	Khushab	612	29·408	—·008	30·026	29·537	20th	29·344	11th	·193	59·8	83·3	+0·5	49·6	—0·1	66·5	+0·2	33·7	90·4	4 days	40·4	25th
	Montgomery	558	29·457	—·017	30·015	29·575	20th	29·392	9th, 10th & 16th.	·183	60·4	83·9	—0·3	50·7	—0·2	67·3	—0·3	33·2	92·9	4th	40·5	25th
	Multan	420	29·602	—·023	30·010	29·731	20th	29·511	11th	·220	61·3	83·7	—0·7	54·7	+2·3	69·2	+0·8	29·0	91·8	2nd	46·5	29th
	VI.—North-West Frontier Province.																					
15	Peshawar	1,110	28·912	—·030	30·074	29·039	20th	28·829	11th	·210	51·7	75·7	—1·4	45·7	+0·6	60·7	—0·4	30·0	83·2	8th	37·4	26th
	D. I. Khan	590	29·424	—·041	30·026	29·552	20th	29·347	10th	·205	54·0	81·3	—0·8	48·2	+1·2	64·8	+0·2	33·1	88·4	7th & 8th	40·1	25th
	VII.—Sind.																					
17	Jacobabad	186	29·825	—·036	29·980	29·952	20th	29·726	2nd	·226	62·4	87·8	+1·0	51·9	+1·1	69·9	+1·1	35·9	96·1	1st	43·8	26th
	Hyderabad	96	29·928	—·020	29·979	30·060	23rd	29·819	10th	·241	68·1	89·7	+1·7	59·4	—0·6	74·5	+0·5	30·3	96·0	2nd	53·0	4 days
	Karachi	13	30·029	—·012	29·993	30·150	22nd	29·928	9th	·222	70·8	84·5	+0·8	66·2	+0·4	75·4	+0·6	18·3	92·5	7th	61·0	21st & 22nd.
	VIII.—Rajputana.																					
18	Bikaner	*771*	29·225	—·021	29·994	29·348	21st	29·128	11th	·220	62·9	86·1	+1·4	55·8	—3·6	70·9	—1·1	30·3	94·0	1st & 3rd	47·5	24th
	Jodhpur	780	29·243	—·009	30·014	29·367	22nd	29·132	11th	·235	64·8	87·9	—2·1?	53·2	—6·2	70·5	—4·1?	34·7	95·5	1st & 2nd	43·3	26th
9	Jaipur	1,431	28·586	—·015	30·026	28·699	21st	28·487	11th	·212	64·1	85·5	—0·3	51·7	—3·5	68·6	—1·9	33·8	94·2	1st	44·1	23rd
	Sambhar	1,254	28·765	—·003	30·040	28·879	21st	28·668	11th	·213	58·7	85·8	+1·3	49·3	—3·6	67·6	—1·1	36·5	95·4	1st	39·9	25th
	Ajmer	1,611	28·411	—·018	30·054	28·523	22nd	28·315	11th	·208	56·5	83·0	—0·9	53·0	+2·0?	68·0	+0·5?	30·0	90·4	1st	44·7	25th
	Kotah	819 ?	29·184?	—·027?	29·991?	29·307	22nd	29·096	11th	·211	66·3	85·2	—3·2	58·2	—2·2	71·7	—2·7	27·0	94·0	2nd	51·1	24th
	Udaipur‖	1,925	28·106	—·012	30·034	28·215	22nd	28·009	11th	·206	63·4	83·5	—2·5	50·2	—4·4	66·9	—3·5	33·3	90·5	2nd	40·8	24th

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. ‡ Mean of 21 days.

—continued.

India, etc., in November, 1910—continued.

Wind direction. Number of winds from N. (26)	N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction. (34)	Normal direction. (35)	Wind velocity. Mean velocity, miles per hour. (36)	Normal. (37)	Departure from normal. (38)	Wind steadiness. Actual percentage. (39)	Departure from normal. (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal. (42)	Mean vapour tension at 8 hrs. in inches of mercury. (43)	Departure from normal in inches of mercury. (44)	Cloud. Mean cloud amount at 8 hrs. (45)	Departure from normal. (46)	Rainfall. Number of rainy days. (47)	Normal number of rainy days. (48)	Departure from normal. (49)	Rainfall of month. (50)	Normal rainfall of month. (51)	Departure from normal. (52)	Total rainfall from 1st May to 30th Nov. 1910. (53)	Normal rainfall for period, 1st May to 30th November. (54)	Departure from normal of period, 1st May to 30th Nov. 1910. (55)	Heaviest rainfall during month. (56)	Station. (57)
																															IV.—United Provinces of Agra and Oudh—*concld.*
1	1				5	8		S 81° W	N 68° W	1·7	1·9	−0·2	37	+18	66	0	·393	−·018	0·9	0	1	0·10	+0·90	0·66	0·44	+0·22	28·50	34·32	−5·82	0·60	Cawnpore.
					5	5	1	S 73° W	N 72° W	0·9	1·4	−0·5	30	+17	67	− 9	·423	−·021	1·2	+0·3	1	0·20	+0·80	0·12	0·11	+0·01	29·36	36·74	−7·38	0·10	Lucknow.
1	1	2	1		1	5	4	N 59° W	N 2° W	1·3	1·8	−0·5	20	+ 7	83	+ 6	·493	+·011	1·0	+0·4	0	0·30	−0·30	0·03	0·40	−0·37	47·90	45·67	+2·23	0·02	Bahraich.
	1	4	3	2	4	1	1	S 23° W	S 81° W	2·7	1·8	+0·9	20	− 3	48	− 2	·343	−·003	1·3	+0·4	2	0·10	+1·90	0·66	0·13	+0·53	33·66	36·86	−3·20	0·36	Jhansi.
		2	2		1	4	2	S 75° W	N 56° W	2·0	2·7	−0·7	10	−27	58	− 1	·351	+·007	1·0	0	0	0·10	−0·10	0	0·11	−0·11	31·24	26·92	+4·32	0	Agra.
1	2	1	1	2	7	7	3	S 74° W †	N 60° W	1·3‡	0·8	+0·5	37	+18	69†	0	·354†	−·020	0·8†	−0·6	0	0·10	−0·10	0·07	0·31	−0·24	24·28	29·21	−4·93	0·05	Mainpuri.
								(*a*)	N 7° E	0	1·2	−1·2			78	+ 1	·415	+·008	0·7	−0·1	0	0·27	−0·27	0	0·18	−0·18	53·24	44·81	+8·43	0	Bareilly.
1	1	2		1		9	3	N 70° W	S 88° W	1·9	1·1	+0·8	27	+10	70	0	·336	+·010	0·1	−0·8	0	0·20	−0·20	0	0·13	−0·13	32·23	28·52	+3·71	0	Meerut.
							2	N 45° W	S 81° E	0·9*	1·1	−0·2	3	+ 1	84	+ 7	·375	+·017	0·1	−1·0	0	0·50	−0·50	0	0·28	−0·28	54·32	38·53	+15·79	0	Roorkee.
								(*a*)	S 53° W	1·0	1·3	−0·3			72	+ 1	·339	+·001	·7	−1·2	0	0·60	−0·60	0	0·40	−0·40	105·42	82·27	+23·15	0	Dehra Dun.
																															V.—Punjab.
1	1		1		1	13	2	N 83° W	N 89° W	2·2	2·1	+0·1	46	+ 8	62	+10	·341	+·054	0	−1·4	0	0·30	−0·30	0	0·11	−0·11	29·41	24·91	+4·50	0	Delhi.
																					0	0·10	−0·10	0	0·01	−0·01	10·10	12·37	−2·27	0	Sirsa.
3	3		4	1	1	1	8	N 18° W		3·6			20		72		·335		0·1		0			0			33·67			0	Patiala.
1		4	4				6	N 47° E	N 34° W	2·2	1·4	+0·8	10	+ 2	72	− 3	·328	−·027	0	−1·1	0	0·30	−0·30	0	0·46	−0·46	28·85	27·43	+1·42	0	Ambala.
								(*a*)	S 27° W	0	1·0	−1·0			63	− 1	·299	−·011	0	−2·1	0	0·20	−0·20	0	0·05	−0·06	26·93	23·25	+3·68	0	Ludhiana.
1		1	1	2		5	1	S 75° W	N 5° W	1·1	1·3	−0·2	13	+12	74	+ 7	·308	−·005	0·4	−1·1	0	0·20	−0·20	0	0·07	−0·07	11·40	16·43	−5·03	0	Lahore.
2	6	1	2	1			2	N 45° E	N 42° E	0·8	0·8	0	27	+12	74	+ 9	·326	+·022	0·2	−1·3	0	0·30	−0·30	0	0·09	−0·09	32·24	24·98	+7·26	0	Sialkot.
1	1						1	N	N 50° W	1·2	1·2	0	8	− 3	62	− 3	·234	−·024	0·7	−1·4	0	0·80	−0·80	0	0·29	−0·29	27·25	24·67	+2·58	0	Rawalpindi.
	5	5		2	3	1		S 83° E	N 38° E	1·7	2·7	−1·0	17	− 5	45	− 3	·239	+·013	1·1	−0·2	0	0·30	−0·30	0·03	0·02	+0·01	13·18	10·32	+2·86	0·03	Khushab.
	1	3	11	8	1	1		S 32° E	S 72° E	3·7	2·9	+0·8	62	+40	46	− 7	·242	−·044	0·5	−1·3	0	0·20	−0·20	0	0·06	−0·06	8·19	7·84	+0·35	0	Montgomery.
2	1	1	1					N 49° E	N 72° E	0·9	1·2	−0·3	10	−13	53	− 9	·286	−·038	0·6	−0·6	0	0·10	−0·10	0	0·07	−0·07	1·66	5·74	−4·08	0	Multan.
																															VI.—North-West Frontier Province.
			1	3	3			S 14° W	S 31° W	1·1	2·0	−0·9	20	0	65	0	·258	−·008	1·4	−1·3	0	0·90	−0·90	0	0·47	−0·47	13·60	6·15	+7·45	0	Peshawar.
1	3		1					N 49° E	N 9° E	0·5	0·8	−0·3	10	+ 6	72	+ 7	·309	+·030	0·8	−0·7	0	0	0	0	0·18	−0·18	6·51	5·50	+1·01	0	D. I. Khan.
																															VII.—Sind.
	1	1						N 66° E	N 18° E	0·5	1·6	−1·1	7	− 5	62	+ 8	·356	+·059	0·3	−1·4	0	0·20	−0·20	0	0·11	−0·11	2·55	2·78	−0·23	0	Jacobabad.
7			1	3	2		5	N 38° W	N 10° W	3·0	6·3	−3·3	23	−18	59	+ 9	·407	+·067	0·1	−1·6	0	0·20	−0·20	0	0·12	−0·12	10·10	6·19	+3·91	0	Hyderabad.
6	14	3				2	2	N 29° E	N 49° E	6·0	7·5	−1·5	62	− 5	66	+10	·494	+·046	0	−1·3	0	0·30	−0·30	0	0·07	−0·07	12·16	6·72	+5·44	0	Karachi
																															VIII.—Rajputana.
2	2	1	3	6	7	4	2	S 35° W	N 76° W	3·3	3·3	0	33	+14	37	−11	·212	−·085	0·5	−1·0	0	0·10	−0·10	0	0·05	−0·05	12·95	10·17	+2·78	0	Bikaner.
8	7				1			N 31° E		1·1			30		39	+ 2	·245		0·2		0	0·20	−0·20	0	0·16	−0·16	10·08	12·59	−2·51	0	Jodhpur.
3	4	1					3	N 13° E	N 1° W	2·2*	2·7	−0·5	27	+ 2	49	− 5	·301	−·029	0·2	−1·4	0	0·20	−0·20	0	0·20	−0·20	16·65	24·68	−8·03	0	Jaipur.
								(*a*)	N 7° E	1·9	2·9	−2·0			63	+10	·317	+·032‖	0	−1·3	0	0·20	−0·20	0	0·18	−0·18	10·70	19·45	−8·75	0	Sambhar.
5	1	2	1				1	N 31° E	N 2° W	2·5	1·7	+0·8	7	−23	64	− 1	·306	−·023	0·4	−0·9	0	0·40	−0·40	0	0·20	−0·20	16·89	20·58	−3·69	0	Ajmer.
7	2		1					N 30° E		1·6			3		54	+ 7	·353		1·0		0	0·30	−0·30	0·03	0·02	+0·01	30·35	25·67	+4·68	0·03	Kotah.
5	1						1	N 24° W		1·6§			7		55	+ 4	·327		0·2		0	0·50	−0·50	0	0·02	−0·02	25·11	20·76	+4·35	0	Udaipur.

* Uncorrected for scale error (*a*) Indeterminate. § Mean of 26 days. ‖ Mean of 27 days.

Ta

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

Number of subdivision.	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.
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.																					
20	Deesa	466	29·557	—·005	29·995	29·686	22nd	29·452	9th	·234	66·1	91·2	−0·3	54·0	−3·7	72·8	−2·0	37·2	97·3	2nd	44·4	26th
	Bhuj	395	29·632	+·004	29·989	29·746	23rd	29·529	11th	·217	71·7	88·9	−0·3	60·3	−2·4	74·6	−1·3	28·6	95·0	1st, 2nd & 3rd.	52·5	23rd
	Jamnagar	61	29·964		29·970	30·049	23rd	29·870	11th	·179	73·0	87·9		58·2		73·0		29·7	94·4	4th	48·5	25th
	Dwarka	37?	29·997		29·980	30·108	23rd	29·895	9th	·213	75·3	85·3		66·2		75·7		19·1	92·8	7th	57·2	25th
	Rajkot	429	29·581	—·004	29·971	29·690	22nd	29·478	11th	·212	70·9	88·7	−1·7	56·6	−2·7	72·6	−2·2	32·1	95·1	1st	49·0	24th, 25th & 28th.
	Veraval	*18*	29·992	−·001	29·953	30·091	22nd	29·873	10th	·218	74·4	87·0	−1·3	65·3	−2·4	76·1	−1·9	21·7	93·1	7th, 8th & 9th.	57·3	27th
	Bhavnagar Para	55	29·983	—·011	29·982	30·104	22nd	29·869	9th	·235	68·3	86·7	−1·2	58·7	−5·6	73·7	−3·4	30·0	95·1	1st	49·0	23rd
	Surat	39	29·969	—·007	29·952	30·087	22nd	29·853	8th	·234	69·7	88·1	−2·5	61·6	−1·2	74·9	−1·9	26·5	93·6	1st & 3rd	54·1	25th
	Ahmedabad	163	29·860	—·005	29·978	29·995	22nd	29·749	9th	·246	69·4	90·6	−0·8	61·4	−4·3	76·0	−2·5	29·2	97·6	2nd	54·7	25th & 26th.
26	Bombay	37	29·948	—·014	29·925	30·052	22nd	29·814	7th	·238	74·3	85·6	−1·3	71·9	−1·4	78·7	−1·3	13·7	88·5	1st	67·5	27th
	Ratnagiri	110	29·849	—·009	29·889	29·934	22nd	29·708	7th	·226	76·5	87·7	−2·8	67·9	−2·1	77·8	−2·5	19·8	94·3	3rd	59·9	27th
	Goa	199	?	?	?	?	?	?	?	?	75·9	84·4	−3·0	71·4	−0·8	77·9	−1·9	13·0	89·6	3rd	61·6	30th
	Marmugao	*60*	29·900	—·025	29·895	29·983	23rd	29·749	7th	·234	73·9	83·3	−3·7	70·5	−2·3	76·9	−3·0	12·8	87·5	2nd	64·2	29th
	Karwar	44	29·920	—·006	29·899	29·987	20th	29·774	7th	·213	71·0	85·8	−1·6	67·3	−2·1	76·6	−1·9	18·5	89·3	3rd & 5th	58·0	29th
27	Malegaon	1,430	28·571	—·015	29·994	28·680	22nd	28·455	9th	·225	64·4	84·5	−2·6	52·6	−4·5	68·6	−3·5	31·9	88·4	2nd, 3rd & 10th.	42·1	24th & 25th.
	Ahmednagar	2,154	27·855	−·011	29·973	27·955	23rd	27·741	11th	·214	66·9	80·9	−4·4	55·4	−0·8	68·1	−2·6	25·5	85·9	2nd	44·5	26th
	Poona	1,846	28·153	—·010	29·984	28·257	22nd	28.038	8th	·219	64·5	81·7	−4·6	55·7	−3·6	68·7	−4·1	26·0	86·0	8th	45·8	25th
	Sholapur	1,590	28·390	—·016	29.947	28·489	22nd	28·225	7th	·264	69·0	85·3	−2·2	59·4	−2·9	72·3	−2·5	25·9	89·3	1st	47·9	26th
	Bijapur	*1,948*	28·030	—·026	29·941	28·132	22nd	27·864	7th	·268	67·8	82·8	−2·8	58·3	−2·7	70·5	−2·7	24·5	85·7	14th & 15th.	48·2	29th
	Belgaum	2,539	27·423	—·016	29·898	27·516	22nd	27·271	7th	·245	68·0	79·0	−3·1	58·5	−2·6	68·8	−2·9	20·5	81·8	3rd	49·0	27th
	X.—Central India.																					
21	Neemuch	1,624	28·395	−·009	30·028	28·511	22nd	28·290	11th	·221	61·1	83·1	−1·4	51·3	−3·6	67·3	−2·5	31·8	91·0	2nd	41·7	24th
	Indore	1,823	28·187	−·002	29·998	28·299	22nd	28·083	11th	·216	66·4	80·6	−2·5	52·1	−2·0	66·3	−2·3	28·5	87·1	2nd & 4th	43·1	25th
22	Nowgong	754	29·257	−·023	30·007	29·364	22nd	29·162	11th	·202	59·8	78·9	−3·4	53·0	−0·2	65·9	−1·8	25·9	89·5	1st	43·0	26th
	Sutna	1,041	28·956	—·025	30·001	29·059	22nd	28·846	11th	·213	61·0	79·3	−1·8	54·7	+0·8	67·0	−0·5	24·6	88·5	1st	44·7	27th
	XI.—Central Provinces.																					
23	Buldana	2,132	27·879		29·995	27·982	23rd	27·757	9th & 11th.	·225	70·1	78·4		59·0		68·7		19·4	83·9	10th	51·1	25th
	Akola	930	29·086	—·004	29·999	29·204	22nd	28·956	10th	·248	65·1	84·8	−2·2	54·0	−3·4	69·4	−2·8	30·8	90·2	4th, 6th & 8th.	42·1	24th
	Amraoti	1,215	28·790?	−·016?	29·958?	28·910	22nd	28·668	11th	·242	67·7	82·4	−3·9	59·4	−2·2	70·9	−3·1	23·0	87·8	4 days	49·8	27th
24	Khandwa	1,044	28·973	—·002	30·015	29·095	22nd	28·852	10th	·243	61·5	82·6	−4·2	53·8	−2·4	68·2	−3·3	28·8	91·2	1st	43·1	25th
	Hoshangabad	1,006	29·022	−·007	30·026	29·149	22nd	28·892	10th	·257	60·3	81·2	−3·1	53·4	−3·9	67·3	−3·5	27·8	87·6	3rd	43·4	24th & 25th.
	Saugor	1,807	28·185?	—·024?	29·982?	28·293	22nd	28·076	11th	·217	65·7	79·4	−2·6	56·5	−0·7	67·9	−1·7	22·9	89·1	1st & 9th	47·6	23rd
	Jubbulpore	1,327	28·669	−·022	30·010	28·788	22nd	28·544	11th	·244	58·3	78·5	−3·4	51·9	−1·2	65·2	−2·3	26·6	86·3	1st	40·8	25th
	Seoni	2,033	27·976	—·007	30·013	28·078	22nd	27·858	11th	·220	62·5	76·9	−4·4	53·1	−2·3	65·0	−3·3	23·8	84·1	2nd & 3rd.	43·0	25th
	Nagpur	1,017	28·989	—·007	29·992	29·107	22nd	28·861	11th	·246	65·1	82·4	−2·6	57·2	−3·2	69·8	−2·9	25·2	89·1	1st	47·8	25th
25	Pendra	2,123?	27·951		29·973	28·044	22nd	27·835	11th	·209	63·5	76·3		54·5		65·4		21·8	83·8	2nd	46·2	23rd & 26th.
	Raipur	970	29·029	−·015	29·985	29·133	22nd	28·913	11th	·220	63·9	80·7	−2·5	58·9	−1·8	69·8	−2·1	21·8	88·2	10th	48·6	26th
	Chanda	*634*	29·370	—·012	29·973	29·513	22nd	29·221	11th	·292	65·5	82·1	−3·1	56·5	−2·8	69·3	−2·9	25·6	89·0	8th	45·0	28th, 27th & 30th.
	Jagdalpur		28·177		29·967	28·276	22nd	28·059	6th	·217	64·6	77·5		57·6		67·5		19·9	84·2	10th	43·6	27th

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

† Mean of 28 days.

NOTE.—The barometric readings are not reduced to sea-level, it

—continued.

India, etc., in November 1910—continued.

Wind direction. Number of winds from N. (26)	N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction. (34)	Normal direction. (35)	Wind velocity. Mean velocity, miles per hour. (36)	Normal. (37)	Departure from normal. (38)	Wind steadiness. Actual percentage. (39)	Departure from normal. (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal. (42)	Mean vapour tension at 8 hrs., in inches of mercury. (43)	Departure from normal, in inches of mercury. (44)	Cloud. Mean cloud amount at 8 hrs. (45)	Departure from normal. (46)	Rainfall. Number of rainy days. (47)	Normal number of rainy days. (48)	Departure from normal. (49)	Rainfall of month. (50)	Normal rainfall of month. (51)	Departure from normal. (52)	Total rainfall from 1st May to 30th November, 1910. (53)	Normal rainfall for period, 1st May to 30th November. (54)	Departure from normal of period, 1st May to 30th November, 1910. (55)	Heaviest rainfall during month. (56)	Station. (57)
																															IX.—Bombay.
															41	0	·271	—·029	0·2	—1·0	0	0·18	—0·18	0	0·17	—0·17	23·27	23·78	—0·51	0	Deesa.
			3		2	3	6	N 84° W	N 34°.W	4·6	5·5	—0·9	23	—12	48	—11	·371	—·081	0·2	—0·8	0	0·30	—0·30	0	0·12	—0·12	20·45	14·11	+6·34	0	Bhuj.
	7	7					5	N 45° E		8·1			40		60		·485		0		0			0			29·35			0	Jamnagar.
12	13	2					3	N 21° E		9·3			82		63		·555		0·3		0			0			13·78			0	Dwarka.
2	3	12	5		1		1	N 88° E	N 48° E	4·9	5·1	—0·2	53	+ 6	52	— 3	·401	—·036	0·2	—0·8	0	0·50	—0·50	0	0·33	—0·33	33·27	27·95	+5·32	0	Rajkot.
5	14	1						N 36° E	N 22° E	7·1	5·8	+1·3	62	— 8	55	0	·466	—·012	0·4	—1·2	0	0·30	—0·30	0	0·59	—0·59	17·30	18·14	—0·84	0	Veraval.
4	2	2	1		2	2	15	N 37° W	N 60° W	3·8	6·4	—2·6	54	+ 1	49	—17	·365	—·121	1·0	—0·2	0	0·40	—0·40	0	0·47	—0·47	26·42	19·46	+6·96	0	Bhavnagar Para.
3	5	13	1		2	1	2	N 66° E	N 55° E	3·9	4·6	—0·7	46	— 7	56	— 8	·415	—·093	0·8	—0·5	1	0·40	+0·60	0·22	0·16	+0·06	36·48	43·89	—7·41	0·17	Surat.
2	16	10	2					N 62° E	N 55° E	4·3	4·3	0	82	+22	51	+ 1	·363	—·041	0·3	—1·5	0	0·30	—0·30	0	0·38	—0·38	25·41	32·94	—7·53	0	Ahmedabad.
	14	14	2					N 71° E	N 73° E	8·6	9·6	—1·0	85	+ 8	71	— 3	·608	—·071	1·9	+0·4	1	0·60	+0·40	0·14	0·49	—0·35	67·86	74·94	—7·08	0·11	Bombay.
	7	15	3	1				N 85° E	S 78° E	8·6	7·6	+1·0	72	+ 9	58	— 1	·535	—·038?	2·2	+0·8	2	1·00	+1·00	1·53	0·42	+1·11	86·56	107·03	—20·47	1·21	Ratnagiri.
	4	22	1	2				E	N 69° E	5·2	3·6	+1·6	85	— 1	71	+ 1	·598	—·070	4·1	+2·5	6			2·78	1·14	+1·64	90·25	97·80	—7·55	0·93	Goa.
	10	16	2		1			N 79° E	S 84° E	7·4	7·3	+0·1	79	+ 1	80	— 1	·677	—·052	3·1	+1·7	6			2·64	1·16	+1·48	85·66	92·34	—6·68	1·20	Marmugao
6	8		1					N 30° E	N 65° E	2·8	2·8	0	43	—27	81	— 1	·629	—·027	2·4	+0·9	6	2·50	+3·50	2·38	2·08	+0·30	113·53	123·05	—9·47	0·85	Karwar.
3	2	1		1	2	3	4	N 45° W	N 74° W	3·2	4·8	—1·6	27	—25	59	+ 3	·378	—·028	1·1	—0·6	1	1·00	0	0·14	0·50	—0·36	28·95	23·54	+5·41	0·12	Malegaon.
	2	3	2	4	2	2	12	N 67° W	N 76° E	7·3	6·6	+0·7	23	+ 8	56	— 8?	·382	—·038	1·9	+0·2	4	1·50	+2·50	3·29	0·59	+2·70	37·80	20·86	+16·94	2·35	Ahmednagar.
2	9	8		1	2		1	N 62° E	S 76° E	3·7	6·3	—2·6	43	+16	75	+14	·463	+·035?	4·8	+3·1	4	1·70	+2·30	2·43	1·06	+1·37	34·10	26·88	+7·22	1·05	Poona.
3	10	2	2	1	1			N 55° E	S 87° E	3·6	8·4	—4·8	40	—24	56	+ 3	·419	—·010	2·9	+0·5	2	1·50	+0·50	1·36	1·19	+0·17	29·32	29·76	—0·44	1·14	Sholapur.
5	10	4	1		6		2	N 36° E	S 76° E	3·9	3·6	+0·3	37	—17	64	— 6	·442	—·093?	1·9	—0·6	2	2·10	—0·10	1·57	1·25	+0·32	22·85	23·19	+0·66	1·10	Bijapur.
3	5	6	3	2	1	1	2	N 70° E	S 87° E	10·0	10·8	—0·8	30	—28	63	— 1	·435	—·025	2·8	+0·5	3	2·20	+0·80	0·79	1·76	—0·97	40·91	47·61	—6·70	0·35	Belgaum.
																															X.—Central India.
6	7	3	1	1		1	1	N 35° E	N 51° E	3·4	5·3	—1·9	40	— 8	58	+11	·323	+·005	0·6	—0·3	0	0·50	—0·50	0	0·19	—0·19	30·14	29·29	+0·85	0	Neemuch.
	10		1					N 51° E	N 45° E	1·7	1·9	—0·2	33	+15	64	+ 7	·417	+·037	1·3	+0·2	2	0·50	+1·50	0·96	0·35	+0·61	35·74	32·96	+2·78	0·55	Indore.
1	1	1	3	4	10	1		S 68° W	N 53° W	1·4	1·0	+0·4	43	+30	77	+ 7	·402	+·002	1·7	+0·3	3	0·70	+2·30	3·87	0·27	+3·60	44·15	42·95	+1·20	2·96	Nowgong.
1	3	2			5	13		N 48° W	N 13° W	1·8	3·2	—1·4	46	— 1	73	+10	·398	+·021	1·9	+0·8	3	0·70	+2·30	1·72	0·34	+1·38	37·30	43·34	—6·04	0·92	Sutna.
																															XI—Central Provinces.
1	3	9	9	5		1	1	S 63° E		4·3	5·0	—0·7	57		47		·352		1·7		4			1·26	0·68	+0·58	38·14	34·66	+3·48	0·81	Buldana.
1	4	3	3			2	3	N 45° E	N 89° E	2·9	3·5	—0·6	20	—20	60	+ 1	·395	—·012	1·9	+0·4	3	0·80	+2·20	1·13	0·54	+0·59	35·73	32·28	+3·45	0·74	Akola.
	12	12	1		1			N 71° E	N 67° E	4·3	3·9	+0·4	69	+18	55	+ 2	·385	—·027	1·9	+0·4	4	0·60	+3·40	2·59	0·59	+2·00	40·63	32·95	+7·68	1·78	Amraoti.
	4	4	1	2			2	N 77° E	N 74° E	3·2	2·8	+0·4	20	— 5	69	+12	·396	+·026	3·1	+2·0	3	0·60	+2·40	4·89	0·23	+4·66	31·27	30·36	+0·91	2·85	Khandwa.
	3	6						N 75° E	N 66° E	1·3	2·1	—0·8	27	—33	73	+ 5	·405	—·001?	1·7	+0·4	2	0·50	+1·50	0·30	0·45	—0·15	54·75	50·69	+4·06	0·10	Hoshangabad
	2	3	1	1	7	3		S 28° W	S 73° E	3·8	2·7	+1·1	20	—13	51	— 3	·328	—·026	2·0	+0·9	2	0·50	+1·50	0·86	0·33	+0·53	37·47	46·44	—8·97	0·54	Saugor.
1	1	10	8			1		S 29° E	S 37° E	1·2	1·6	—0·4	49	+ 8	79	+ 6	·405	—·006	2·0	+0·8	4	0·60	+3·40	2·19	0·48	+1·71	48·23	56·92	—8·69	1·46	Jubbulpore.
5	5	3	1	1		2		N 35° E	N 36° E	3·6	2·3	+1·3	33	—10	63	0	·362	—·050	1·9	+0·6	3	0·90	+2·10	3·57	0·61	+2·96	57·94	52·36	+5·58	1·62	Seoni.
6	12	2	1			2		N 33° E	N 21° E	2·6	3·7	—1·1	59	+29	62	0	·406	—·033	2·1	+0·2	4	0·90	+3·10	3·63	0·81	+2·82	59·41	47·24	+12·17	2·16	Nagpur.
5		1		2	1	8		N 34° W		3·7			33		61		·377		1·8		2			0·93			39·52			0·57	Pendra.
4	6	6	1		1	2		N 47° E	N 40° E	2·5	3·2	—0·7	40	+17	70	+ 4	·434	—·031	1·5	—0·5	1	0·90	+0·10	2·42	0·46	+1·96	66·48	48·67	+17·81	2·35	Raipur.
1	1	1	3		1	1	2	N 67° E	N 39° E	2·4	1·7	+0·7	2	—27	75	+ 2	·502	—·020	2·6	+0·6	4	1·00	+3·00	2·82	0·96	+1·86	50·65	52·84	—2·19	1·44	Chanda.
6	8	2	3	1		1	5	N 24° E					43		78		·487		2·7		1			1·04			68·36			1·04	Jagdalpur.

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

* Uncorrected for scale error.

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

Number of subdivision.	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.
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	28·110	−·041	29·985	28·215	22nd	27·991	11th	·224	68·3	82·0	−5·0	56·0	−2·9	69·0	−3·9	26·0	86·7	2nd	45·2	24th & 25th,
	Nizamabad	1,248	28·727	+·008?	29·952	28·838	22nd	28·593	7th	·245	66·7	81·3	−3·6	57·8	−1·8	69·5	−2·7	23·5	88·9	11th & 13th,	46·7	26th, 27th & 30th
	Bidar	*2,165*	27·744?		29·886?	27·858	22nd	27·601	7th	·257	69·2	79·9		61·9		70·9		18·0	85·1	12th	52·5	27th
29	Gulbarga	1,503	28·482	−·024	29·951	28·586	22nd	28·296	7th	·290	69·3	81·4	−2·6	60·3	−2·3	72·3	−2·5	24·1	88·0	7th & 10th,	51·3	28th
	Raichur	*1,311*	28·668	−·014	29·942	28·769	22nd	28·457	7th	·312	70·6	84·3	−1·8?	64·1	−3·2	74·2	−2·5?	20·2	88·1	14th	53·6	28th
	Hyderabad (Deccan).	1,690	28·282	−·035	29·943	28·377	21st	28·126	7th	·251	66·8	81·1	−2·7	60·1	−2·0	70·6	−2·3	21·0	84·3	13th & 14th,	49·2	27th
	Hanumkonda	877	29·115	−·033	29·957	29·223	22nd	28·975	6th	·248	70·3	80·9	−5·1?	62·8	−1·6	71·8	−3·3?	18·1	86·5	11th	53·7	25th, 26th & 27th
	XIII.—Mysore.																					
30	Chitaldrug	2,405	27·566	−·029	29·901	27·657	22nd	27·398	7th	·259	69·4	78·6	−3·5	61·8	−2·2	70·2	−2·9	16·8	81·6	12th & 14th,	53·4	28th
	Hassan	3,149	26·854	−·019	29·946	26·920	22nd	26·706	7th	·214	67·8	78·0	−1·8	60·2	+0·4	69·1	−0·7	17·8	81·4	26th	50·1	28th
	Bangalore	3,021	26·978	−·013	29·905	27·044	21st & 22nd.	26·842	7th	·202	66·5	77·3	−2·0	60·8	−1·1	69·1	−1·5	16·5	82·3	15th	51·8	30th
	Mysore	2,518	27·465	−·021	29·905	27·522	20th, 22nd & 23rd.	27·302	7th	·220	69·6	79·7	−2·8	63·4	−0·7	71·5	−1·7	16·3	83·0	13th	54·0	30th
	XIV.—Madras.																					
31	Mangalore	65	29·885	−·017	29·881	29·946	22nd	29·743	7th	·203	76·8	85·9	−3·6	68·1	−4·0	77·0	−3·8	17·8	89·3	22nd	60·3	29th
	Calicut	27	29·918	−·016	29·873	29·973	20th	29·726	7th	·247	76·6	83·7	−3·7	73·5	+0·4	78·6	−1·7	10·2	86·8	23rd	68·1	30th
	Cochin	9	29·947	−·003	29·883	30·007	15th	29·742	7th	·265	77·2	85·4	−2·1	73·5	−0·9	79·5	−1·5	11·9	87·7	20th, 25th & 30th.	69·2	8th
	Trivandrum	198	29·759	+·004	29·889	29·816	18th	29·630	6th	·186	76·3	80·8	−1·8	73·3	−1·1	77·1	−1·5	7·5	84·5	13th & 26th.	72·0	5th & 6th.
32	Tinnevelly	168	29·800	−·009	29·899	29·864	18th	29·660	6th	·204	78·5	88·1	−0·6	73·6	−1·0	80·9	−0·8	14·5	93·2	11th & 12th.	70·9	28th, 29th & 30th.
	Pamban	37	29·910	−·018	29·874	29·968	18th	29·769	6th	·199	79·2	85·8	+1·5	75·0	−1·1	80·4	+0·2	10·8	89·7	10th	72·0	3rd
	Madura	447	29·517	+·017	29·901	29·584	18th	29·367	6th	·217	77·0	86·0	−1·3	70·3	−2·2	78·2	−1·7	15·7	90·4	11th	64·1	28th
	Pudukkottai	318	29·626		29·880	29·688	27th	29·472	6th	·216	76·4	85·4		71·2		78·3		14·2	91·6	10th	64·7	28th
	Negapatam	31	29·914	−·014	29·873	29·986	21st	29·765	6th	·221	77·6	84·3	+0·2	73·1	−1·0	78·7	−0·4	11·2	91·0	10th & 15th.	67·5	28th
	Trichinopoly	255	29·705	−·008	29·896	29·767	21st	29·555	6th	·212	77·3	86·5	−0·6	71·4	−0·6	78·9	−0·6	15·1	93·1	15th	64·8	28th
	Coimbatore	1,341	28·610	−·014	29·900	28·674	21st	28·450	7th	·224	72·3	83·2	−3·0	67·8	−1·1	75·5	−2·1	15·4	87·4	15th	57·8	29th
	Salem	940	29·038	−·010	29·925	29·098	18th & 21st.	28·906	7th	·192	73·7	84·5	−2·8	69·5	+1·0	77·0	−0·9	15·0	90·0	11th	61·4	30th
	Cuddalore	37	29·920	−·019	29·887	29·933	21st	29·751	6th	·232	76·3	84·7	−0·1	71·7	+0·1	78·2	0	13·0	90·1	10th & 15th.	65·2	27th
	Vellore	707	29·241		29·904	29·322	20th	29·059	6th	·263	73·5	83·5		68·3		75·9		15·2	89·7	11th & 14th.	58·5	30th
	Madras	22	29·942	−·015	29·895	30·021	22nd	29·687	6th	·334	76·4	83·3	−1·8	71·4	−0·9	77·4	−1·3	11·9	89·5	14th	62·5	27th
33	Cuddapah	423	29·543	−·021	29·922	29·638	22nd	29·374	7th	·264	74·0	85·2	−3·3	67·9	−1·4	76·6	−2·3	17·3	91·2	12th, 14th & 15th.	59·6	30th
	Bellary	1,475	28·491	−·019	29·929	28·590	22nd	28·279	7th	·311	69·9	84·6	−2·1	64·3	−1·3	74·4	−1·7	20·3	90·0	12th	53·3	28th
	Kurnool	923	29·042	−·030	29·928	29·138	22nd	28·845	7th	·293	68·9	84·6	−3·5	63·5	−0·5	74·1	−2·0	21·1	90·2	14th	52·1	27th & 29th.
34	Nellore	66	29·834	−·030	29·895	29·997	22nd	29·593	6th	·404	74·5	82·9	−3·8	70·7	−0·9	76·8	−2·3	12·2	90·1	15th	63·1	30th
	Masulipatam	15	29·965	−·015	29·915	30·057	22nd	29·741	6th	·316	74·7	84·3	−0·8	69·8	−1·5	77·0	−1·1	14·5	88·3	14th	60·7	26th
	Cocanada	26	29·955	−·025	29·918	30·036	22nd	29·762	6th	·274	73·6	81·9	−1·6	69·5	−1·0	75·7	−1·3	12·4	87·2	15th	60·0	27th
	Waltair (Vizagapatam).	*226*	29·767	−·009?	29·939	29·846	22nd	29·600	6th	·246	74·5	81·7		70·6		76·1		11·1	86·6	14th	60·9	27th
	Calingapatam	19	29·983		29·941	30·070	22nd	29·851	6th	·219	71·2	82·5*		66·7		74·0*		15·8	87·3	15th	56·5	26th & 28th.
	Gopalpur	72	29·918	−·032	29·933	30·008	23rd	29·810	6th	·198	69·6	82·8	−0·6	64·7	−2·1	73·7	−1·3	18·1	88·7	2nd	54·5	26th & 27th.

* Mean of 22 days.

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

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

B—continued.

n India, etc., in November, 1910—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 May to 30th November, 1910.	Normal rainfall for period, 1st May to 30th November.	Departure from normal of period, 1st May to 30th November, 1910.	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
																															XII.—Hyderabad.
4	11	6	1			1	1	S 84° E		7·1			53		56	+ 7	·393		2·3		2	1·00	+1·00	1·71	0·50	+ 1·21	33·66	26·53	+ 7·13	0·85	Aurangabad.
1								N 24° E		3·5			7		77	+ 7	·519		1·5		3	1·40	+1·60	2·75	0·57	+ 2·18	45·33	38·76	+ 6·57	2·21	Nizamabad.
1																															
19	6	1		3				N 59° E		5·4			67		58		·424		4·3		3	2·20	+0·80	1·12	1·30	− 0·18	46·09	37·51	+ 8·58	0·64	Bidar.
16	10	1		1	2			N 63° E	N 81° E	7·3	7·9	−0·6	69	+20	57	− 7	·430	−·070	1·5	−0·9	2	1·50	+0·50	1·69	0·48	+ 1·21	33·41	29·83	+ 3·58	1·40	Gulbarga.
1 10	10	2		2	1			N 72° E	N 86° E	5·3	7·2	−1·9	53	−11	60	− 8	·465	−·103	3·7	+1·2	1	1·80	−0·80	0·60	0·76	− 0·16	29·19	29·40	− 9·21	0·54	Raichur.
								(a)	S 72° E	2·3	3·5	−1·2			70	− 3	·474	−·065	3·7	+1·0	3			1·58	1·48	+ 0·10	27·51	29·93	− 2·42	0·95	Hyderabad (Deccan).
14 1		4	1				7	N 6° W		3·9			53		65	0	·502		3·3		4	1·90	+2·10	1·50	0·70	+ 0·80	39·83	30·57	+ 9·26	0·62	Hanumkonda
																															XIII.—Mysore.
1 14	5		3	3				S 70° E	S 84° E	3·3	6·2	−2·9	46	−19	73	+ 2	·532	−·025	4·9	+0·5	4	2·80	+1·20	3·07	2·85	+ 0·22	34·80	23·85	+10·95	0·88	Chitaldrug.
7	9	2		1	3	1		N 75° E	N 77° E	3·9	3·0	+0·9	37	−38	79	+ 4	·542	−·003	4·9	−0·4	6	4·00	+2·00	1·35	2·65	− 1·30	34·41	31·37	+ 3·04	0·27	Hassan.
2 13	7	1		4	2			N 58° E	N 71° E	5·4	5·0	+0·4	46	−28	85	+ 7	·557	+·014	5·7	+1·5	10	4·20	+5·80	4·96	3·33	+ 1·63	45·87	32·61	+13·26	1·70	Bangalore.
2 13	6		1	3	3	1		N 47° E	N 67° E	6·9	8·6	−1·7	43	−24	79	+ 3	·580	−·002	6·6	+1·3	5	4·10	+0·90	1·29	2·28	− 0·99	39·74	27·29	+12·45	0·33	Mysore.
																															XIV.—Madras.
1 5	18	1					2	N 76° E	S 82° E	†3·2	2·6	+0·6	69	− 8	77	0	·725	−·010	4·1	+1·1	8	3·80	+4·20	8·72	2·65	+ 6·07	117·78	121·69	− 3·91	2·64	Mangalore.
1 2	10	11	3	1				S 64° E	N 87° E	4·8	6·6	−1·8	66	− 8	88	+ 7	·807	+·022	5·8	+2·1	7	5·50	+1·50	8·01	4·72	+ 3·29	102·70	108·84	− 6·14	1·72	Calicut.
1 12	7	3	1	1	1	1		N 67° E	N 39° E	†5·3	4·1	+1·2	53	−14	82	+ 1	·763	−·036	6·5	+2·7	15	7·70	+7·30	13·40	6·25	+ 7·15	112·14	105·21	+ 6·93	2·13	Cochin.
3 3		1		1	2	8		N 31° W	N 5° W	†4·1	3·5	+0·6	33	+ 7	87	+ 2	·793	−·008	7·0	+1·6	12	9·10	+2·90	11·34	6·12	+ 5·22	65·18	52·75	+12·43	4·40	Trivandrum.
8 4	1	1		2	2	5		N 11° W	N 24° W	2·9	3·9	−1·0	40	−31	78	0	·756	−·005	5·2	0	12	9·90	+2·10	5·39	7·79	− 2·40	18·83	18·07	+ 0·76	1·58	Tinnevelly.
9 4			3	3	2	7		N 28° W	N 21° E	12·7	10·2	+2·5	46	− 6	84	− 1	·833		4·8		6	12·00	−6·00	4·94	11·89	− 6·95	21·05	23·48	− 2·43	2·04	Pamban.
7 7	4			1	4	7		N 3° W	N 3° E	5·6	6·6	−1·0	53	−17	82	+ 6	·758	+·027	6·1	+1·6	9	7·00	+2·00	5·49	4·71	+ 0·78	36·88	27·96	+ 8·92	1·25	Madura.
8 7			1			8		N 3° W		7·1			60		75		·685		5·0		8			4·85			37·72			1·55	Pudukkottai.
3 3				4	7	13		N 56° W	N 30° W	8·2	5·7	+2·5	66	+16	82	− 2	·770	−·048	6·2	−0·6	4	13·30	−9·30	11·63	15·99	− 4·36	45·36	39·74	+ 5·62	2·45	Negapatam.
8 8			1	2	4	4		N 19° W	N 13° E	†3·1	3·8	−0·7	33	− 4	73	− 6	·680	−·070	4·5	−0·1	6	8·00	−2·00	3·70	5·09	− 1·39	37·61	26·25	+11·36	1·28	Trichinopoly
8				2		1		N 36° E	N 81° E	2·6	2·4	+0·2	20	−28	88	+ 3	·702	−·021	6·1	+0·5	9	6·60	+2·40	3·92	3·38	+ 0·54	21·35	16·96	+ 4·39	1·25	Coimbatore
1 5	3	1		3	2	1		N 45° E	N 50° E	3·2	3·1	+0·1	10	−17	80	+ 2	·671	−·031	3·3	−1·4	9	5·70	+3·30	4·85	3·93	+ 0·92	42·03	36·13	+ 5·90	1·14	Salem.
9			1	3	4	10		N 45° W	N 25° W	6·1	2·2	+3·9	59	−11	82	− 8	·751	−·085	4·9	−1·1	8	11·80	−3·80	5·50	12·74	− 7·24	42·47	41·75	+ 0·72	1·74	Cuddalore.
	2	2	2					S 45° E		0·1			13		85		·708		4·2		11	7·50	+3·50	7·16	5·89	+ 1·27	60·69	34·07	+26·62	2·62	Vellore.
9			3		6	12		N 45° W	N 1° E	†6·2	6·5	−0·3	66	+ 3	81	− 2	·752	−·044	4·6	−0·9	10	13·00	−3·00	15·78	14·08	+ 1·70	44·18	43·01	+ 1·17	7·02	Madras
1 5	3	7		4	4	6		N 22° E	N 89° E				3	−38	78	+ 2	·669	−·026	5·0	+1·1	3	4·80	−1·80	5·59	4·01	+ 1·58	46·21	30·74	+15·47	3·67	Cuddapah.
3 4	2	1			1	3		N 18° E	S 85° E	1·8	3·2	−1·4	23	−10	65	− 2	·484	−·061	3·9	−0·1	4	2·60	+1·40	5·09	1·98	+ 3·11	25·58	18·63	+ 6·95	2·81	Bellary.
4 2	1	2	3		1			N 70° E	N 34° W	†2·8			10	+ 9	75	+ 4	·550	−·032	3·7	+1·1	4	2·30	+1·70	2·15	1·03	+ 1·12	28·12	25·84	+ 1·28	1·21	Kurnool.
7	1		3	1	1	15		N 39° W	N 44° W	†4·6	4·6	0	59	+ 4	82	− 1	·708	−·078	6·4	+1·6	6	8·60	−2·60	6·04	7·82	− 1·78	32·37	27·96	+ 4·41	2·41	Nellore.
1 10	8	8	2					N 89° E	N 14° E	5·0	5·3	−0·3	69	− 9	80	− 2	·705	−·038	4·3	+0·7	4	3·80	+0·20	2·05	6·30	− 4·25	48·23	39·25	+ 8·98	1·30	Masulipatam.
11 9	1	2	1			2		N 24° E	N 12° E	8·7	10·0	−1·3	59	−24	77	+ 4	·657	+·007	4·7	+1·3	5	3·90	+1·10	4·56	6·10	− 1·54	38·74	37·74	+ 1·00	1·47	Cocanada.
15 7	5	1			2			N 24° E	N 15° W	8·6			69	+26	58	−10	·514	−·136	3·2	−0·2	3	3·70	−0·70	3·83	6·11	− 2·28	56·51	40·50	+16·01	2·15	Waltair. (Vizagapatam)
13 4	1					12		N 12° W		6·1			83		81		·624		2·7		2			6·80			51·19			4·49	Calingapatam.
16 1						13		N 18° W	N 25° W	9·7	8·3	+1·4	92	+ 5	78	− 2	·573	−·052	1·5	−1·7	1	2·80	−1·80	1·90	4·34	−2·44	59·03	44·84	+14·19	1·50	Gopalpur.

tions the elevations of which exceed 3,000 feet. (a) Indeterminate. † Uncorrected for scale error.

T

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

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
	Bay Islands.																					
1	P. V. Fraser	8	29·963†		29·831†	30·022	28th & 30th.	29·920	5 days	·102	77·2											
	Port Blair	58	29·857	−·030	29·845	29·908	22nd	29·792	11th	·116	79·6	85·6	−1·2	76·3	−0·9	81·0	−1·1	9·3	87·7	1st	72·5	28th
	Slipper Island	90	29·828		29·852	29·885	19th	29·784	5th & 6th.	·101	81·3	84·6		77·4		81·0		7·2	86·1	2nd, 10th & 11th.	73·1	28th
	Kashmir.																					
14	Muzaffarabad	2,475	27·637		30·216	27·744	20th	27·562	15th	·182	52·5	78·1		43·9		61·0		34·2	86·1	8th	35·8	26th
	Srinagar	5,204	24·989	−·045	24·930	25·078	21st	24·898	27th	·179	31·6	62·6	+2·3	27·4	−4·2	45·0	−0·9	35·2	69·1	4th	19·1	25th
	Gulmarg	*8,569*						Observa	tions	not av	ailable.											
	Sonemarg	*8,764*	21·894		21·862	21·981	7th	21·783	27th	·198	26·1	53·6		21·1		37·4		32·5	61·4	3rd, 8th & 16th.	13·1	25th
	Dras	*10,059*	20·839	−·069	20·807	20·952	7th	20·680	26th	·272	20·8	43·9	−0·4	13·4	−3·1	28·7	−1·7	30·5	50·4	10th	4·5	25th
	Leh	11,503	19·743	−·035	19·711	19·859	7th	19·570	27th	·289	25·5	45·9	−1·7	19·5	−1·0	32·7	−1·3	26·4	55·6	10th	12·5	22nd & 25th.
	Skardu	*7,505*	22·981	−·052	22·951	23·114	7th	22·793	27th	·321	31·6	53·9	−1·1	27·9	−2·8	40·9	−1·9	26·0	59·9	7th	22·1	24th, 25th & 26th.
	Minimarg	*9,359*						Observa	tions	not av	ailable.											
	Astor	*7,955*																				
	Gilgit	4,890	25·224		25·197	25·362	21st	25·073	27th	·289	45·7	64·0	+2·0	40·0	−2·8	52·0	−0·4	24·0	72·2	3rd	31·7	22nd
	Baluchistan.																					
16	Quetta	5,502	24·752	−·017	24·712	24·851	23rd	24·677	26th	·174	43·3	69·3	+1·5	30·0‡	−2·1‡	48·0‡	−0·3	36·3	76·1	3rd	23·7	15th & 21st.
	Chaman	4,311	25·812	−·026	25·774	25·914	23rd	25·745	2nd	·169	56·4	69·1	−0·3	42·3	−4·1	55·7	−2·2	26·8	80·8	3rd	28·2	16th
	Kohat		27·010		26·968	27·157	30th	26·860	2nd	·297	61·6	81·1		51·9		66·5		29·2	92·0	1st	39·8	29th & 30th.
	Hill Stations excluding Kashmir and Baluchistan.																					
	Chitral	*5,486*									37·5	65·9							73·1	8th & 10th.		
	Para Chinar	6,000	24·535		24·502	24·614	22nd	24·436	19th	·208	50·5	64·8		37·6		51·2		27·2	73·3	7th & 8th.	31·4	28th
	Cherat	*4,256*	25·817	+·002	25·785	25·902	20th	25·750	11th	·152	53·0	65·0	−2·2	46·3	−2·8	55·7	−2·5	18·7	72·2	2nd	37·5	26th & 27th.
	Murree	6,333	23·912	−·026	23·880	23·979	20th	23·839	26th	·140	48·3	59·7	−1·2	45·5	−0·1	52·5	−0·7	14·2	68·6	8th	40·7	20th
	Simla	7,232	23·151	−·028	23·113	23·215	20th	23·088	16th	·127	47·7	55·1	−1·0	43·4	−1·6	49·2	−1·3	11·7	61·1	8th	39·6	20th
	Sarain		23·195		23·157	23·251	7th	23·131	16th & 29th.	·120	34·6	55·9		32·7		44·3		23·2	62·9	8th	28·3	21st & 22nd.
	Kalabagh							Observ	ations	not a	vailab	le.										
	Chakrata	7,022	23·330	−·024	23·290	23·394	18th	23·268	29th	·126	47·9	63·3	+3·3	42·3	−1·6	52·9	+0·9	21·0	67·3	5th, 6th & 7th.	37·7	13th & 21st.
	Muktesar	7,592	22·883	−·046	22·842	22·936	3rd	22·823	30th	·113	47·9	58·0	−2·2	41·5	−1·9	49·8	−2·1	16·5	62·5	9th	36·5	20th
	Darjiling	7,376	23·042	−·058	22·997	23·108	18th	22·974	14th	·134	48·3	55·5	+1·3	42·3	−0·1	48·9	+0·6	13·2	62·3	4th	37·7	25th
	Shillong	4,920	25·185		25·137	25·257	19th	25·131	16th	·126	54·8	66·4		46·5		56·4		19·9	71·9	8th	39·7	25th
	Cherrapunji	4,309	25·700		25·651	25·785	19th	25·626	29th	·159	61·2	66·6		50·4§		56·1§		16·2	70·7	4 days	49·1	30th
	Maymyo	3,515	23·493	−·033	26·438	26·589	18th	26·411	15th	·178	60·4	73·0	−0·8	52·9	+1·5	62·9	+0·3	20·1	77·0	6th, 7th & 8th.	44·6	24th & 25th.
	Pachmarhi	3,528	26·540	−·013	26·487	26·638	22nd	26·430	11th	·208	61·1	70·1	−3·2	48·5	−2·8	59·3	−3·0	21·6	80·0	2nd	36·6	25th
	Mount Abu	3,945	26·143	−·020	26·093	26·232	22nd	26·064	11th	·168	65·5	72·7	−0·8	56·2	−1·7	64·4	−1·3	16·5	79·2	1st & 2nd	49·9	26th
	Mercara	3,781	23·248	−·009	26·181	26·309	21st	26·101	7th	·208	62·9	73·5	−2·4	59·6	−0·5	66·6	−1·5	13·9	77·0	18th & 24th.	52·0	29th & 30th.
	Ootacamud	*7,347*	23·058		22·994	23·103	22nd	22·909	7th	·194	55·7	63·2		46·9		55·0		16·3	67·0	30th	36·2	28th
	Kodaikanal	7,633	22·819	−·043	22·754	22·865	21st	22·686	7th	·179	54·7	60·5	−0·9	49·7	−0·6	55·2	−0·7	10·8	70·5	30th	44·5	19th

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

† Mean of 20 days. ‡ Mean of 29 days.

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

—continued.

India, etc., in November, 1910—continued.

Wind direction. Number of winds from 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, 1910.	Normal rainfall for period, 1st May to 30th November.	Departure from normal of period, 1st May to 30th November, 1910.	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
																															Bay Islands.
3	13	2	1				1	N 27° E					83		69		·645		3·0		0			0			35·89			0	P.V.Fraser.
	4	4	4	3	1	1	1	S 67° E	N 72° E	6·8	6·7	+0·1	23	+ 3	85	0	·867	− ·016	6·3	+0·6	17			10·52	9·20	+ 1·32	94·51	105·86	−11·35	1·68	Port Blair.
3	11	9	2	1	1	1		N 65° E		9·2			59		79		·832		5·7		6			3·01			62·47			1·46	Slipper Island.
																															Kashmir.
2	4	2	1	4	13	1	3	S 45° W		1·7			33		54		·211		0·7		0			0			28·79			0	Muzaffarabad
	1	2	8	1	1	1	1	S 45° E	S 53° E	2·4	2·6	−0·2	27	+ 4	79	−9	·141	− ·050	1·0	−1·9	0	1·20	−1·20	0	0·46	− 0·46	5·84	11·71	− 5·87	0	Srinagar.
																Observations not available.															Gulmarg.
	2	1	1					N 77° E		2·1			10		81		·115		1·0		0			0·15			12·36			0·09	Sonemarg.
		1				2	1	N 66° W		3·3			7		88	+ 4	·102		1·4		0	2·70	−2·70	0·11	0·36	− 0·25	4·90	7·79	− 2·89	0·08	Dras.
	1	2						N 75° E	S 46° W	3·0	2·1	+0·9	10	− 4	49	−18	·072	−·031	2·7	−1·4	0	0·20	−0·20	0·01	0·02	− 0·01	1·91	1·77	+ 0·14	0·01	Leh.
				1	2			S 31° W		3·1			7		65	−16	·112		3·5		0	0·30	−0·30	0	0·03	− 0·03	1·68	3·89	− 2·21	0	Skardu.
																Observations not available.															Minimarg. Astor.
					1			S 45° W		0·3			3		40	−12	·126	−·039	2·1	−1·9	0	0·10	−0·10	0	0·05	−0·05	2·19	2·60	−0·41	0	Gilgit.
																															Baluchistan.
			1				2	N 45° W	S 18° W	1·5	2·0	−0·5	3	− 2	46	− 6	·128	−·025	0·8	−1·2	0	1·60	−1·60	0	0·31	− 0·31	0·55	2·72	− 2·17	0	Quetta.
		10	13	2	2			S 55° E	S 61° E	5·9	6·5	−0·6	72	+ 9	34	− 1	·158	−·043	0·3	−2·4	0	1·90	−1·90	0	0·26	− 0·26	0·33	0·58	− 0·25	0	Chaman.
4	1				22			S 42° W		6·7			56		53		·285		1·0		0			0			0·04			0	Robat.
																															Hill stations, excluding Kashmir and Baluchistan.
2		2		1				S 63° E		1·7			7		73		·159		1·6		0			0·08			3·94			0·06	Chitral.
	1	1				1		S 45° E		3·6			3		44		·163		1·5		1	2·00	−1·00	0·74	1·05	− 0·31	22·02	13·88	+ 8·14	0·72	Para Chinar.
2		1	1			8		N 13° W	N 13° W	7·7	11·6	−3·9	49	−18	35	− 4	·139	−·032	1·1	−1·3	0			0	0·12	− 0·12	34·32	12·04	+22·28	0	Cherat.
1		4	2			3		N 52° E	N 75° E	2·7	5·7	−3·0	3	− 4	34	− 2	·116	−·013	1·8	−1·0	0	2·10	−2·10	0	0·90	− 0·90	37·96	39·80	− 1·84	0	Murree.
															37	− 5	·124	−·017	0·5	−1·3	0	0·70	−0·70	0·01	0·61	− 0·60	72·26	52·88	+19·38	0·01	Simla.
				6	8			S 27° W		2·1			47		78		·157		0·6		1			0·12			57·44			0·10	Sarain.
																Observations not available.															Kalabagh.
		1	1					N 3° E	N 34° E	4·7	5·4	−0·7	49	+12	52	− 1	·177	−·008	0·7	−0·7	1	0·70	+0·30	0·17	0·55	− 0·38	80·91	57·88	+23·03	0·13	Chakrata.
1	5	1		1	4	2		N 11° E		5·5			6		50	+ 3	·166		1·4		0			0·07	0·26	− 0·19	69·97	39·62	+30·35	0·05	Muktesar.
4		2			1			N 66° E	N 87° E	0·6	2·7	−2·1	10	−30	78	− 1	·263	+ ·001	3·2	−0·2	0	0·68	−0·68	0·06	0·36	− 0·30	109·82	116·54	− 6·72	0·03	Darjiling.
								(a)		2·6			80				·349		1·2		4	1·90	+2·10	1·10	0·78	+ 0·32	85·08	72·01	+13·07	0·40	Shillong.
	1			1				S 23° E		2·3			2		84		·459		0·6		2	1·20	+0·80	3·60	0·92	+ 2·68	426·25	388·98	+37·27	1·90	Cherrapunji.
1		1	1	1				S 24° E		1·0			7		96	+ 9	·513		2·9		6	4·90	+1·10	3·56	3·01	+ 0·55	60·18	55·12	+ 5·36	1·30	Maymyo.
9	2		2					N 42° E	N 82° E	2·5	2·8	−0·3	40	+22	61	+ 7	·333	−·010	1·7	+0·1	4	0·80	+3·20	2·84	0·56	+ 2·28	77·03	74·04	+ 2·99	0·88	Pachmarhi
5	3	1		1	1	7		N 4° E	N 27° E	3·9	4·4	−0·5	27	0	32	−10	·210	−·056	0	−1·8	0	0·40	−0·40	0	0·28	− 0·28	57·65	60·73	− 3·08	0	Mount Abu.
9	8	1		1		1		N 67° E	N 71° E	4·6	5·2	−0·6	49	−21	89	+ 8	·507	+ ·004	6·2	+1·0	10	4·90	+5·10	4·79	2·86	+1·93	123·43	121·79	+ 1·64	1·70	Mercara.
1	5	9	2		1			S 56° E		2·3			46		78		·346		6·0		11	6·30	+4·70	7·63	4·00	+3·63	55·83	39·76	+16·07	2·16	Ootacamund.
2	2	4	3	1	3	8		N 30° W		10·1*			20		79	− 1	·337		5·3		13	11·30	+1·70	11·41	6·78	+4·63	64·62	43·91	+20·71	3·62	Kodaikanal.

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

* Uncorrected for scale error.

§ Mean of 3 days.

(a) Indeterminate.

Ta

(2) *Abstract of observations taken at 8 hrs. at 237 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
	Extra India.																					
	Singapore (*a*) .	10	29·918		29·849	29·976	13th	29·854	1st	·122	83·1	88·6		74·3		81·5		14·3	91·6	13th	73·0	1st & 14th.
	Penang (*a*) . .	20	29·941		29·886	29·990	6th	29·885	10th	·105	79·9	85·4		74·1		79·7		11·3	90·0	1st & 11th.	72·0	4 days
	Trincomalee . .	99									75·3	84·8	−0·5	72·7	−2·0	78·8	−1·3	12·1	91·5	16th	70·0	28th
	Colombo . .	24	29·927	−·006	29·877	29·982	8th	29·842	6th	·140	75·3	84·5	−1·9	73·1	−1·0	78·8	−1·5	11·4	88·0	26th	68·0	28th
	Minicoy . .	7	29·954			30·027	16th	29·769	6th	·258												
	Amini Divi . .	*13*	29·942	−·019	29·883	30·004	20th	29·718	6th	·286	81·3	86·2	+1·2	74·5	−1·0	80·4	+0·1	11·7	90·0	13th	63·7	29th
	Gyantse . .	13,120	17·040		17·001	17·129	3rd	16·980	13th	·149	27·1	52·2		16·6		34·5		35·7	60·8	12th	7·7	30th
	Pharijong . .	14,400									24·4	57·0		3·3		30·1		53·7	78·6	9th	−6·0	24th
	Gangtok . .	5,660?									60·9	67·1		45·8		56·4		21·3	74·7	9th	40·8	26th & 30th.
	Gartok (*c*) . .	14,14?	17·646			17·700	7 days	17·580	11th	·120	13·7	33·9		6·6		20·3		27·3	42·3	7th	0·3	20th
	Kashgar (*c*) . .	4,255	25·730			26·150	8th	25·200	27th	·950	31·1	53·4	+1·4	27·3	−2·2	40·3	−0·4	26·1	71·9	6th	15·6	30th
	Kabul . .									Observations rejected.												
	Meshed . .	3,104	26·921		26·899	27·223	30th	26·755	5th	·468	39·2	65·5		23·7	−12·4	44·6		41·8	79·4	1st	6·8	28th
	Jask . . .	13	30·028	−·045	29·994	30·157	22nd	29·911	1	·246	70·8	83·6	+0·4	69·1	+0·4	76·3	+0·4	14·5	92·3	10th	62·8	13th
	Muscat . .	20	30·037	−·031	30·006	30·161	23rd	29·895	5th	·266	75·8	86·8	+6·8	73·1	−2·2	79·9	+2·3	13·7	96·3	3rd	66·6	24th
	Bahrein . .	18	30·069		30·040	30·166	20th	29·964	1st	·202	73·8	78·1		68·7		73·3		9·4	82·3	2nd	62·0	25th
	Bushire . .	14	30·031	−·043	30·007	30·132	20th	29·891	5th	·241	64·6	77·8	−0·3	60·9	−1·4	69·4	−0·9	16·9	83·8	1st & 2nd.	52·5	19th
	Busrah . .	25	30·077		30·063	30·202	17th	29·827	30th	·375	65·0	74·4		58·0		66·2		16·4	84·3	1st	50·3	18th
	Kerman . .										38·2	74·6		30·4		52·5		44·2	83·8	1st	23·7	19th
	Ispahan (*b*)** .	*5,817*	24·358			24·580	8th	24·200	5th	·380	37·8	64·7	+2·8	35·8	−0·1	50·3	+1·3	28·9	74·4	1st	27·2	19th
	Tehran (*b*) ** .	*4,002*	25·926			26·125	29th	25·750	1st & 5th.	·375	46·0	68·4	+6·9	43·5	+1·4	55·9	+4·1	24·9	76·5	1st	35·0	18th, 19th & 29th.
	Baghdad .	127	29·984	+·010	30·090	30·175	16th	29·686	30th	·489	54·2	76·4	+1·7	50·1	+0·6	63·3	+1·1	26·3	87·2	1st	38·8	18th
	Beirut †† . .	111			30·034						65·2	71·9		60·5		66·2		11.4	81·0	9th	52·0	27th & 30th.
	Aden . . .	94	29·949	−·002	29·976	30·030	21st	29·843	6th	·187	78·3	85·6	+0·7	74·9	+0·2	80·3	+0·5	10·7	92·3	4th	71·9	19th
	Perim . . .	201	29·808	+·007	29·946	29·902	22nd	29·712	6th	·190	81·8	87·6	+0·7	77·7	+0·6	82·7	+0·7	9·9	90·0	7th	71·2	21st
	Zanzibar . .	72	29·993	+·030	29·932	30·070	3rd	29·920	6th	·150	79·8	84·0	+0·2	78·2	+1·1	81·1	+0·7	5·8	87·2	3rd	75·8	8th

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. observation.
(*b*) Aneroid uncorrected.
(*c*) " corrected.

** 7 hrs. observations.

‡ Mean of 29 days.
†† 8½ hrs. observations.

-concluded.

India, etc., in November, 1910—concluded.

Wind direction. Number of winds from N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction. (34)	Normal direction. (35)	Wind velocity. Mean velocity, miles per hour. (36)	Normal. (37)	Departure from normal. (38)	Wind steadiness. Actual percentage. (39)	Departure from normal. (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal. (42)	Mean vapour tension at 8 hrs. in inches of mercury. (43)	Departure from normal in inches of mercury. (44)	Cloud. Mean amount at 8 hrs. (45)	Departure from normal. (46)	Rainfall. Number of rainy days. (47)	Normal number of rainy days. (48)	Departure from normal. (49)	Rainfall of month. (50)	Normal rainfall of month. (51)	Departure from normal. (52)	Total rainfall from 1st May to 30th November, 1910. (53)	Normal rainfall for period, 1st May to 30th November. (54)	Departure from normal of period, 1st May to 30th November, 1910. (55)	Heaviest rainfall during month. (56)	Station. (57)
																														Extra India.
1		1		7	1	10	N 75° W		7·7*			37						5·9		12			8·68			58·01			3·76	Singapore.
9	2	2				7	N 14° E					69								19			20·22			77·32			4·35	Penang.
5				16	5	2	S 73° W	S 57° W	6·1*	5·3	+0·8	49	+27	85	− 1	·749	−·113	4·5	+1·0	14			19·61	13·57	+6·04	50·06	35·85	+14·21	8·94	Trincomalee.
6		1		2	5	4	N 24° W	N 48° E	5·5*	6·1	−0·6	37	+ 7	89	+11	·786	−·052	6·7	+1·9	13			11·61	13·13	−1·52	47·09	60·83	−13·74	4·30	Colombo.
3	1	1	3	5	8	2	N 72° W	N 7° W	8·3	6·2	+2·1	30	− 4					4·5	+0·4	10			6·77	4·15	+2·62	70·06	45·73	+24·33	1·23	Minicoy.
5	1	1			4	8	N 13° W		7·9			60		73	− 5	·777	−·081	3·9	−0·7	4			2·29	1·58	+0·71	45·55§	45·32	+0·23	1·20	Amini Divi.
	5	7					S 63° E		3·1			37		69		·104		0·3		0			0·01			9·29			0·01	Gyantse.
			8	5	3	2	S 49° W		6·9			33		79†		·122†		0·3		0			0			12·24			0	Pharijong.
							N 18° E		1·4¶			10		68		·365		1·3		1			0·23			99·56			0·17	Gangtok.
		6	7	3			S 9° E		8·0			43						0·8		0			0			3·85			0	Gartok.
		1				1	(a)	N 5° W	0·41	0·9	−0·5			70	+17	·093	?	3·0	−0·6	0			0	0·03	−0·03	2·01	3·09	−1·08	0	Kashgar.
									Observations rejected.																					Kabul.
		2	1				S 27° E		1·2‡			7		63		·152		0·9	−3·7	0			0	0·51	−0·51	1·42	1·94	−0·52	0	Meshed.
7						2	N 26° E	N 27° E	7·5	9·7	−2·2	62	+ 5	73	+ 6	·553	−·026	0·7	−1·1	0			0·03	0·49	−0·46	0·03	0·66	−0·63	0·03	Jask.
3					5	7	N 54° W	S 74° W	5·2	3·4	+1·8	27	− 6	60	− 8	·540	−·111	3·1	+1·6	0			0	0·61	−0·61	0	1·03	−1·03	0	Muscat.
1	1	2	3	7	9		N 56° W		7·0			47		76		·633		1·4		0			0			0·06			0	Bahrein.
3	1			1	4		N 21° E	N 61° E	3·9	6·1	+2·8	56	−14	74	+ 7	·450	−·008	2·2	−0·9	1			0·30	1·79	−1·49	0·30	1·87	−1·57	0·23	Bushire.
2	3	4	2	10	8		S 65° W		3·0			47		66		·409		2·1		1			3·16			3·75			3·10	Busrah.
3	1	1	3	4	4		N 10° W		2·6			40		53		·122		0·7		0			0·05			‖‖ 0·05			0·03	Kerman.
1	1			2	1		W	N 62° W	1·3	2·5	−1·2	2	−12	61	−11	·148	−·068	8·2	+4·5	0			0	0·92	−0·92	¶¶ 0·23	1·30	−1·07	0	Ispahan.
5			1				N 41° E	N 11° E	2·4	2·2	+0·2	67	+39	56	− 3	·177	−·022	1·5	−2·1	1			0·20	0·96	−0·76	0·65	2·03	−1·38	0·20	Tehran.
1			2			4	N 15° W	N 5° W	6·4	2·3	+4·1	37	+13	56	− 8	·240	−·047	1·9	+0·6	2			0·79	0·92	−0·13	0·99	1·29	−0·30	0·58	Baghdad.
3	1		11				S 19° W					14		66		·417		3·5		7			4·68			9·90			2·23	Beirut.
							N 45° E	N 76° E	12·8	12·9	−0·1	92	+12	70	− 2	·672	−·014	3·1	−0·7	0			0·08	0·23	−0·15	2·42	0·74	+1·68	0·08	Aden.
3	19						S 51° E‖	S 87° E	18·5	20·2	−1·7	67	−17	69	− 2	·741	−·001	1·8	−1·2	0			0	0·04	−0·04	0·37	0·95	−0·58	0	Perim.
3	16	4	1	1			S 39° E	S 45° E	3·7	4·6	−0·9	67	+25	81	− 2	·825	−·013	6·6	+0·6	12			7·47	7·56	−0·09	26·86	29·43	−2·57	1·77	Zanzibar.

* Uncorrected for scale error.
‡‡ Mean of 21 days.
§ Rain fall for September wanting.
‖‖ Total rainfall from 1st November 1910.
¶¶ Rainfall for August wanting.
(a) Indeterminate.
‖ " " 22 "
¶ " " 24 "
† Mean of 13 days.

Table C.—Abstract of observations taken at 8 hrs. at 38 fourth-class stations in India, etc., in November, 1910.

T

Abstract of observations taken at 8

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.
															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	66·4	81·9	...	55·7	...	68·8	...	26·2	86·3	4th	48·7	27th	37·6	...	...	...	...	...	...	...	...	...	...
	Borjuli	70·5	83·3	...	56·7	..	70·0	...	26·6	86·7	8th	50·0	27th	36·7	...	...	...	...	...		...	...	...	...
	Chandkhira	66·2	85·2	...	59·0	...	72·1	...	26·2	88·8	14th	49·3	25th	39·5	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	63·5*	83·5*	...	57·7*	...	70·6*	..	25·8	87·5	6th	50·2	27th	37·3	...	...	...	...	...	...	...	...	...	...
	Dikom	64·4	81·4	...	57·2	...	69·3	...	24·2	86·0	3rd & 9th	49·4	30th	36·6	...	...	...	...	...	...	...	...	...	...
	Golaghat	67·7	68·2	...	...	...	...	...	...	72·6	1st	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hailakandi	66·3*	85·8*	...	61·4*	...	73·6*	...	24·4	90·0	7th	54·0	30th	36·0	...	...	...	...	...	...	...	...	...	...
	Jorehat	65·1	81·0	...	59·9	...	70·5	...	21·1	85·4	6th	52·8	27th	32·6	...	...	...	...	...	...	...	..	...	...
	Messa	71·9	85·6	...	57·1	...	71·3	...	28·5	89·4	15th	49·8	30th	39·6	...	...	...	...	...	...	...	...	...	...
	Panerihat	63·7	81·6	...	57·9	..	69·7	...	23·7	85·1	4th	52·5	30th	32·6	...	...	...	...	...	...	...	...	...	...
	Srimangal	67·6	86·8	...	59·0	..	72·9	...	27·8	91·5	7th	52·2	27th	39·3	...	...	...	...	...	...	...	...	...	...
5	Brahmanbaria	76·5	85·4	...	64·3	...	74·9	...	21·1	91·8	6th	56·1	30th	35·7	...	...	...	...	...	...	...	...	...	...
	Dam Dim	63·2	87·8	...	52·9	...	70·3	..	34·9	90·7	16th	46·1	25th	44·6	...	...	...	...	...	...	...	...	...	...
	Goalundo	72·6	83·5	...	62·5	...	73·0	...	21·0	88·6	13th	50·6	30th	38·0	...	...	...	...	...	...	...	...	...	...
	Kalchini	76·1*	85·7*	...	55·5*	...	70·6*	...	30·2	88·6	6th	49·9	30th	38·7	...	...	...	...	...	...	...	...	...	...
	Nagrakata	71·7	83·0	...	58·6	...	70·8	...	24·4	87·1	4th	53·0	25th	34·1	...	...	...	...	...	...	...	...	...	...
	Pabna	71·0	83·2	...	60·6	...	71·9	...	22·6	87·5	12th	53·4	25th	34·1	...	...	...	...	...	...	...	...	...	...
	XI.—Central Provinces.																							
24	Chhindwara	60·2	77·9	...	50·2	...	64·0	...	27·7	84·2	3rd	38·9	25th	45·3	...	5	3	3	1	2	2	7	7	N 45° W
	XIV.—Madras.																							
33	Anantapur	71·7	84·6*	...	65·2	...	74·9*	...	19·4	90·3	14th	54·3	29th & 30th.	36·0	...	...	...	...	...	...	...	...	...	...
34	Guntur	72·5	85·3	...	66·5	...	75·9	...	18·8	91·2	14th	56·0	27th	35·2	...	...	...	...	...	...	...	...	...	...
	Bay Islands.																							
1	Car Nicobar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kashmir.																							
14	Jammu	61·4	78·3	...	55·7	...	67·0	...	22·6	84·1	1st	48·8	25th & 30th	35·3	...	23	3	2	1	1	...	...	...	N 12°
	Kargil	32·8	52·9	...	26·7	...	39·8	...	26·2	61·0	4th	18·2	25th	42·8	...	4	5	8	4	...	...	...	9	N 36°
	Hill Stations, exclusive of Kashmir.																							
	Panighatta	70·4	81·3	...	59·9	...	70·6	...	21·4	84·9	4th	55·5	29th	29·4	...	...	...	...	...	...	...	..	...	...
	Kurseong	56·4	66·0	...	55·2	...	60·6	...	10·8	72·0	10th	50·8	30th	21·2	...	...	...	...	...	...	...	...	...	...

* Mean of 29 days.

38 fourth-class stations in India, etc., in November, 1910.

IND VELOCITY.			WIND STEADINESS.		HYGROMETRY, 8 HRS.				CLOUD.		RAINFALL.										
nour.	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, 1910.	Normal rainfall for period, 1st May to 30th November.	Departure from normal of period, 1st May to 30th November, 1910.	Heaviest rainfall during month.	STATION.
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.
...	...	...	...	...	83	...	·539	...	...	...	1	...	...	0·10	...	...	88·29	..	...	0·10	Bishnath.
...	...	...	...	...	76	...	·568	...	...	...	2	...	...	0·43	...	...	82·12	...	...	0·24	Borjuli.
...	...	...	...	...	94	...	·607	...	...	...	0	...	...	0	...	...	114·76	...	...	0	Chandkhira.
...	...	...	...	...	90*	...	·525*	...	...	...	1	...	..	0·69	...	...	78·72	...	...	0·45	Doom Dooma.
...	...	...	...	...	86	...	·517	...	...	...	1	...	...	0·85	...	...	85·91	...	...	0·70	Dikom.
...	...	...	...	...	88	...	·594	...	...	...	1	...	...	0·59	...	...	63·42	...	...	0·41	Golaghat.
...	...	...	...	...	94*	...	·695*	...	...	...	0	...	...	0	...	...	120·03	...	...	0	Hailakandi.
...	...	...	...	...	94	...	·582	...	...	...	2	...	...	0·61	...	...	68·72	...	...	0·34	Jorehat.
...	...	...	...	...	80	...	·632	...	...	...	0	...	...	0·09	...	...	84·60	...	...	0·09	Messa.
...	...	...	...	...	88†	...	·522†	...	...	...	1	...	...	0·20	...	...	73·45	...	...	0·12	Panerihat.
...	...	...	...	...	90	...	·615	...	...	...	0	...	...	0	...	...	88·29	...	...	0	Srimangal.
...	...	...	...	...	80	...	·726	...	...	...	0	...	...	0	...	...	75·67	...	...	0	Brahmanbaria.
...	...	...	...	...	98	...	·581	...	...	...	0	...	...	0	...	...	183·76	...	...	0	Dam Dim.
...	...	...	...	...	71	...	·576	...	...	...	0	...	...	0	...	...	57·14	...	...	0	Goalundo.
...	...	...	...	...	59*	...	·538*	...	...	...	2	...	...	0·53	...	...	170·29	...	...	0·43	Kalchini
...	...	...	...	...	69	...	·530	...	...	...	2	...	...	0·24	...	...	177·35	...	...	0·14	Nagrakata.
...	...	...	...	...	76	...	·584	...	...	...	0	...	...	0	...	...	52·42	...	...	0	Pabna.
																					XI.—Central Provinces.
...	...	37	...	72	...	·388	...	1·5	...	5	...	...	2·86	...	...	49·04	...	...	0·94	Chhindwara.
																					XIV.—Madras.
...	...	...	...	79	...	·621	...	5·9	...	5	...	...	3·24	...	...	18·85‡	...	...	1·11	Anantapur.
...	...	...	...	76	...	·623	...	3·3	...	4	...	...	1·90	...	...	44·66	...	...	0·88	Guntur.
																					Bay Islands.
...	...	...	...	...	...	...	...	...	...	...	Rainfall observations not received.							...	...	...	Car Nicobar.
																					Kashmir.
...	...	80	...	45	...	·249	...	0·1	...	0	...	...	0	...	...	38·52	...	...	0	Jammu.
...	...	47	...	61	...	·114	...	2·7	...	0	...	...	0	...	...	1·67	...	...	0	Kargil.
																					Hill Stations, exclusive of Kashmir.
...	...	...	...	59	...	·434	...	...	...	0	...	...	0·02	...	...	159·07	...	...	0·02	Panighatta.
...	...	...	...	77	...	·349	...	...	...	0	...	...	0	...	...	162·53	...	...	0	Kurseong.

† Mean of 27 days.

‡ Total rainfall since 12th August, 1910.

Abstract of observations taken at

Number of subdivision.	Station.	Temperature of air.													Wind direction.									Resultant 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.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
	Hill Stations, exclusive of Kashmir—*concld.*																							
	Gnatong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lachung	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Ringim	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	52·8	...	24·7	...	38·8	...	28·1	61·3	9th	19·2	28th	42·1	6	...	...	8	8	...	4	4	...	S 38° E
	Kailang	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Drosh	45·2	65·7	...	42·7	...	54·2	...	23·0	77·3	2nd	37·1	27th, 29th & 30th.	40·2	9	...	2	8	3	1	3	1	1	S 69° E
	Pishin	...	68·8	...	30·5	...	49·6	...	38·3	78·3	3rd	23·0	23rd, 24th & 25th.	55·3	...	...	...	...	...	...	...	...	...	...
	Kalat	42·6	63·7	−3·2	27·6	+1·2	45·7	−1·0	36·1	73·0	3rd	18·9	18th	54·1	...	2	...	2	...	25	...	1	...	S 2° E
	Extra India.																							
	Ahwaz	...	78·1	...	58·5	...	68·3	...	19·6	89·8	1st	42·4	17th	47·4	...	...	...	...	...	...	...	...	...	...
	Birjand	Observations not available.																						
	Chumbi	31·7	55·4	...	26·0	...	40·7	...	29·4	61·4	4th	16·8	24th	44·6	...	...	...	...	...	...	...	...	...	...
	Kirmanshah	49·0	63·9	...	34·3	...	49·1	...	29·6	72·2	1st	22·0	17th	50·2	...	...	...	...	...	...	...	...	...	...
	Koweit	...	78·3	...	60·6	...	69·5	...	17·7	87·1	1st	54·9	18th	32·2	1	...	...	1	4	2	1	4	17	N 62° W
	Maidan	...	79·4	...	48·5	...	63·9	...	30·9	88·2	7th & 8th	43·2	12 days	45·0	...	...	...	...	...	...	...	...	...	...
	Muhammerah	...	79·4	...	56·2	...	67·8	...	23·2	92·8	1st	50·2	18th	42·6	...	5	3	...	2	5	2	...	13	N 38° W
	Pemba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

-concluded.

38 fourth-class stations in India, etc., in November, 1910—concluded.

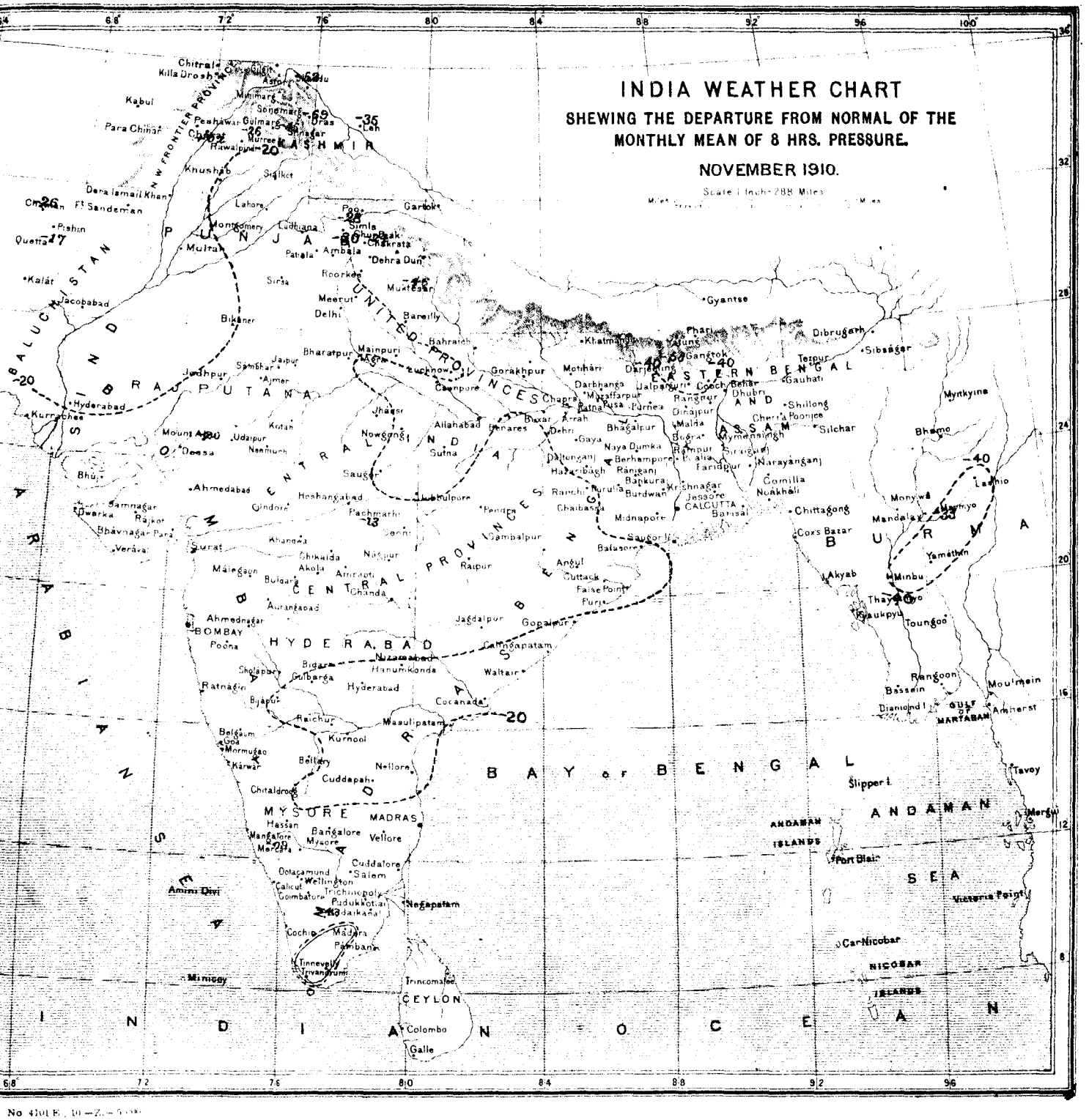
'IND VELOCITY.		WIND STEADINESS.		HYGROMETRY, 8 HRS.				CLOUD.		RAINFALL.									Heaviest rainfall during month.	STATION.
hour. Normal.	Departure from normal.	Actual percentage.	Departure from normal.	Mean humidity at 8 hrs.	Departure from normal.	Mean vapour tension at 8 hrs. in inches of mercury.	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, 1910.	Normal rainfall for period, 1st May to 30th November.	Departure from normal of period, 1st May to 30th November, 1910.		
28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																				Hill Stations, exclusive of Kashmir—*concld.*
...	...	...	...	...	...	...	...	...	...	2	...	...	0·63	...	...	128·76	...	...	0·36	Gnatong.
...	...	...	...	...	...	...	...	...	...	5	...	...	0·76	...	...	43·53	...	...	0·15	Lachung.
...	...	...	...	...	...	...	...	...	...	7	...	...	1·85	...	...	125·33	...	...	0·45	Ringim.
...	...	37	...	...	...	...	...	1·1	...	1	...	...	0·12	0·78	—0·66	4·35	4·55	—0·20	0·12	Poo.
...	...	...	...	...	...	...	...	...	...	1	...	...	0·23	0·51	—0·28	10·48	9·28	+1·20	0·23	Kailang.
...	...	30	...	37	...	·111	...	0·3	...	0	...	...	0·03	...	...	5·99	...	...	0·03	Drosh.*
...	...	...	...	...	...	...	...	1·1	...	0	1·30	—1·30	0	0·52	—0·52	0·53	1·07	—0·54	0	Pishin.
...	...	77	...	55	...	·159	...	...	...	0	0·90	—0·90	0	0·31	—0·31	0·62	2·04	—1·42	0	Kalat.
																				Extra India.
...	...	...	...	...	...	...	...	2·5	...	1	...	...	0·98	...	...	1·11	...	...	0·97	Ahwaz.
						Observations not available.														Birjand.
...	...	...	...	74	...	·136	...	...	...	0	...	...	0·14	...	...	20·76	...	...	0·09	Chumbi.
...	...	...	...	50	...	·174	...	...	...	4	...	...	2·32	...	...	4·57	...	...	0·71	Kirmanshah.
...	...	47	...	...	...	...	...	3·1	...	0	...	...	0·10	...	...	0·55	...	...	0·07	Koweit.
...	...	...	...	...	...	...	...	...	...	1	...	...	1·99	...	...	2·49	...	...	1·98	Maidan.
...	...	37	...	...	...	...	...	...	...	1	...	...	1·70	...	...	2·08	...	...	1·70	Muhammerah.
									Rainfall observations not received.											Pemba.
									Rainfall observations not received.											Prison Island.

* Wind observations less 2.

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 mounts of departure. The numbers are given in thousandths of an inch, 20 representing ·020″ or two hundredths of an inch, &c. ontinuous lines indicate that the pressure was in excess by amounts indicated by the numbers attached to the lines, and broken or dotted nes that it was in defect by amounts indicated by the numbers attached to the lines. Two parallel lines near to each other, one continuus and the other broken or dotted, represent the line of no departure, the dotted line facing the area of deficient pressure or negative epartures.

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

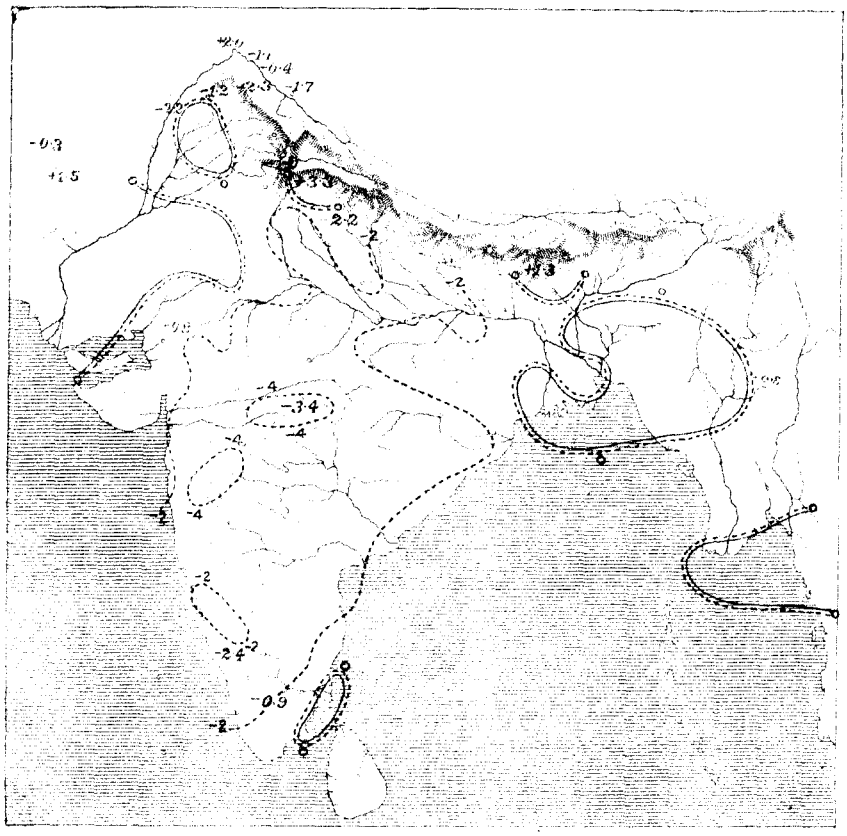


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.

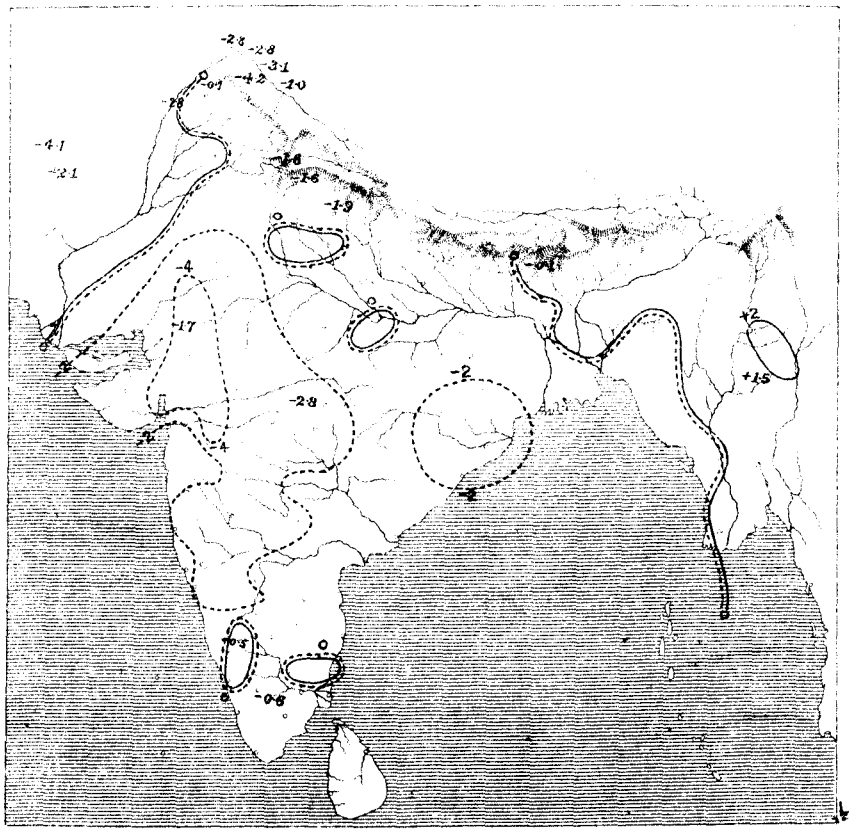


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MEAN TEMPERATURE.

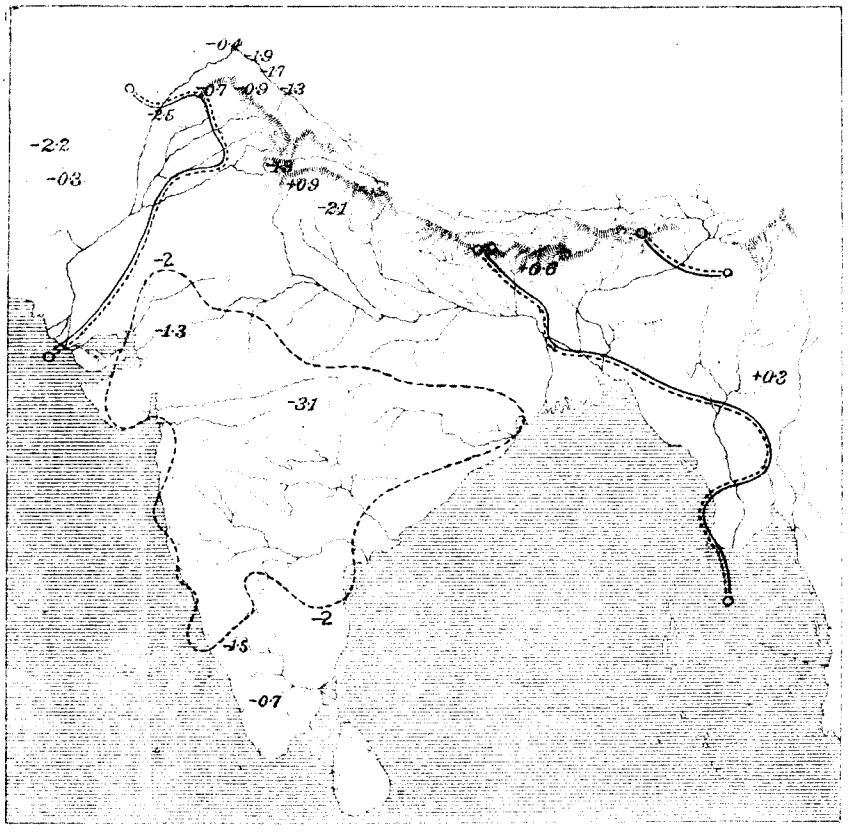
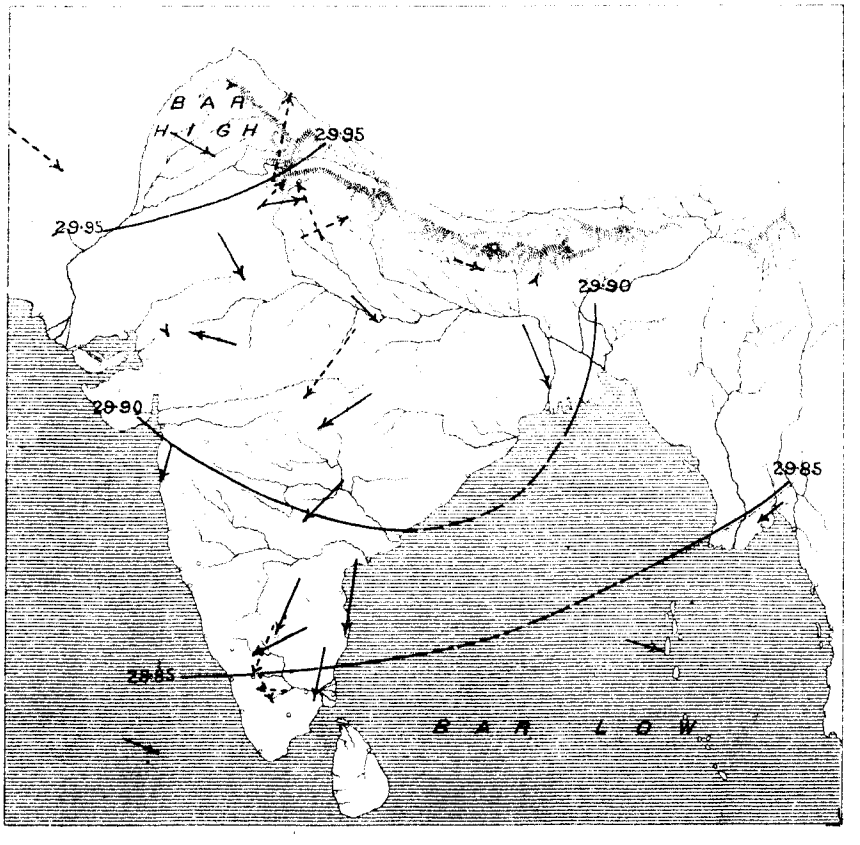


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.



LITHO. BY S. S. MUNDLE.

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

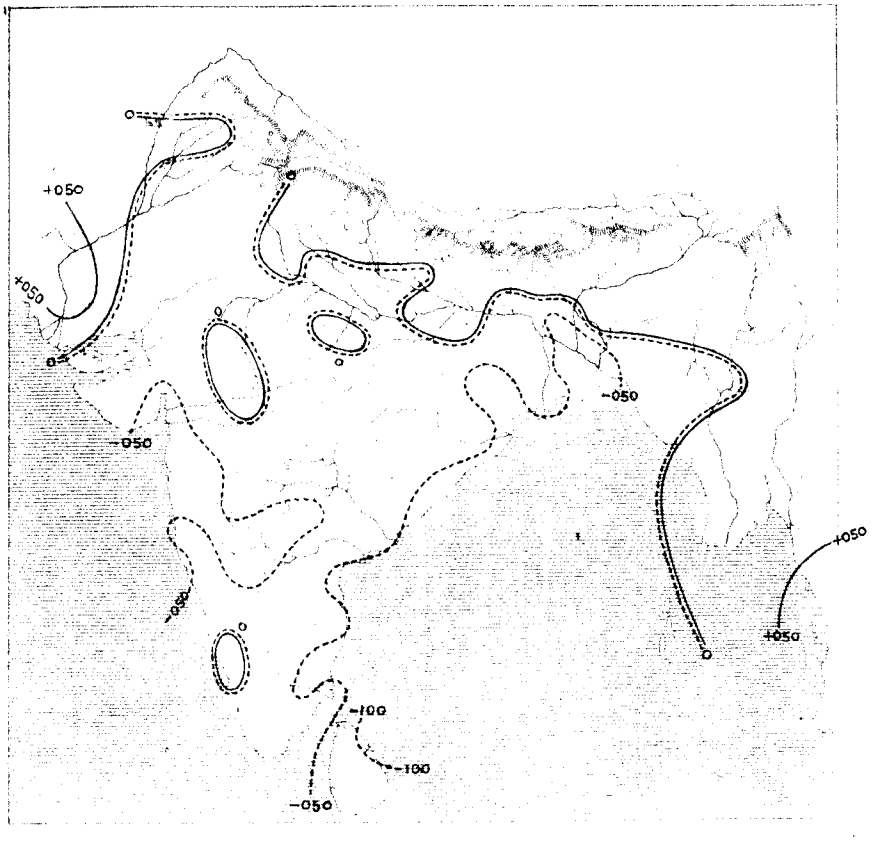


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS

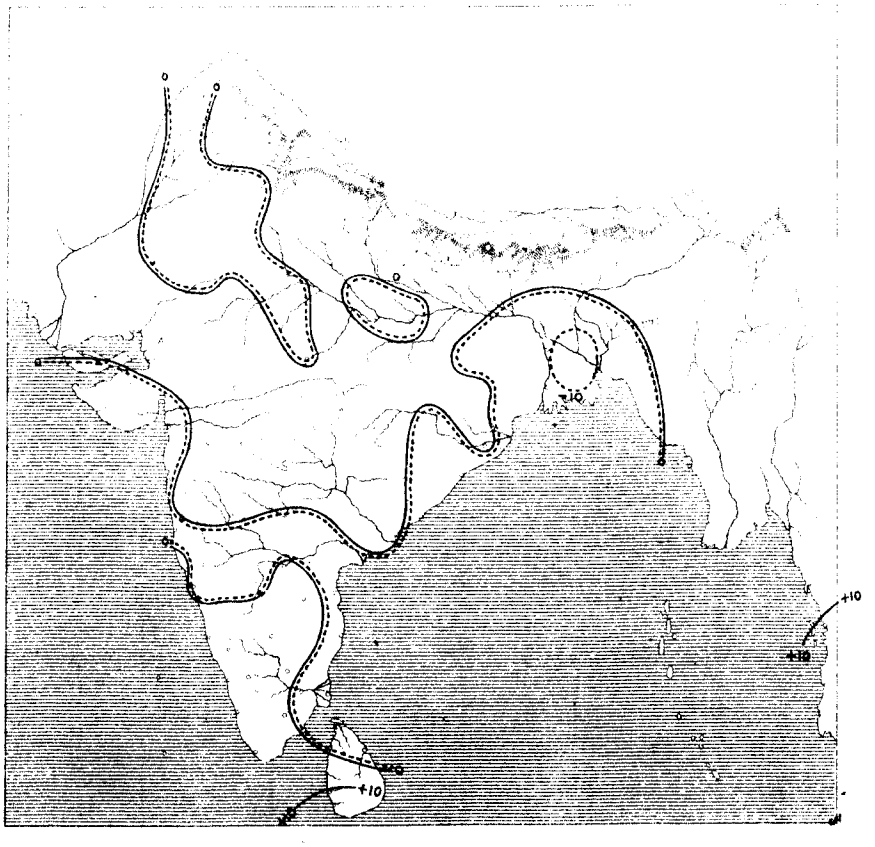


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

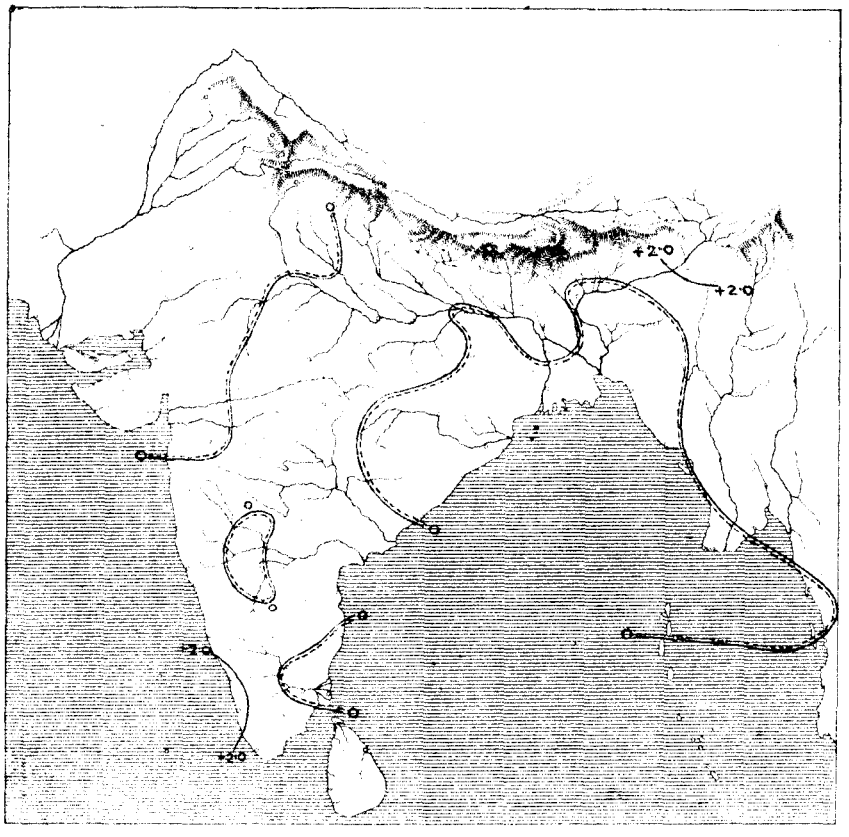
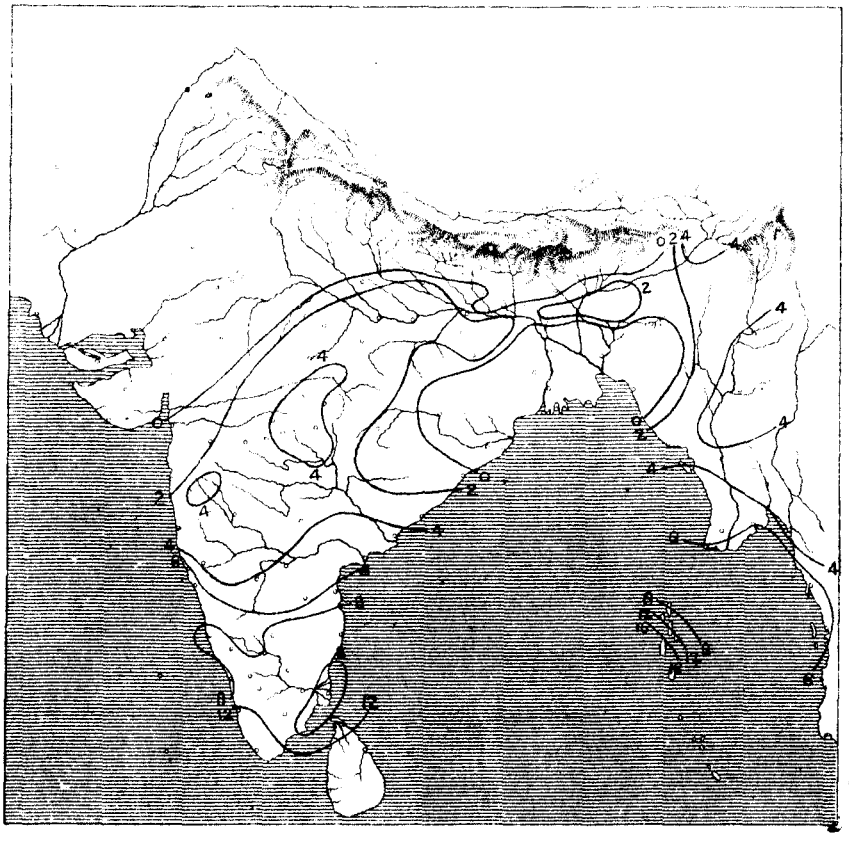
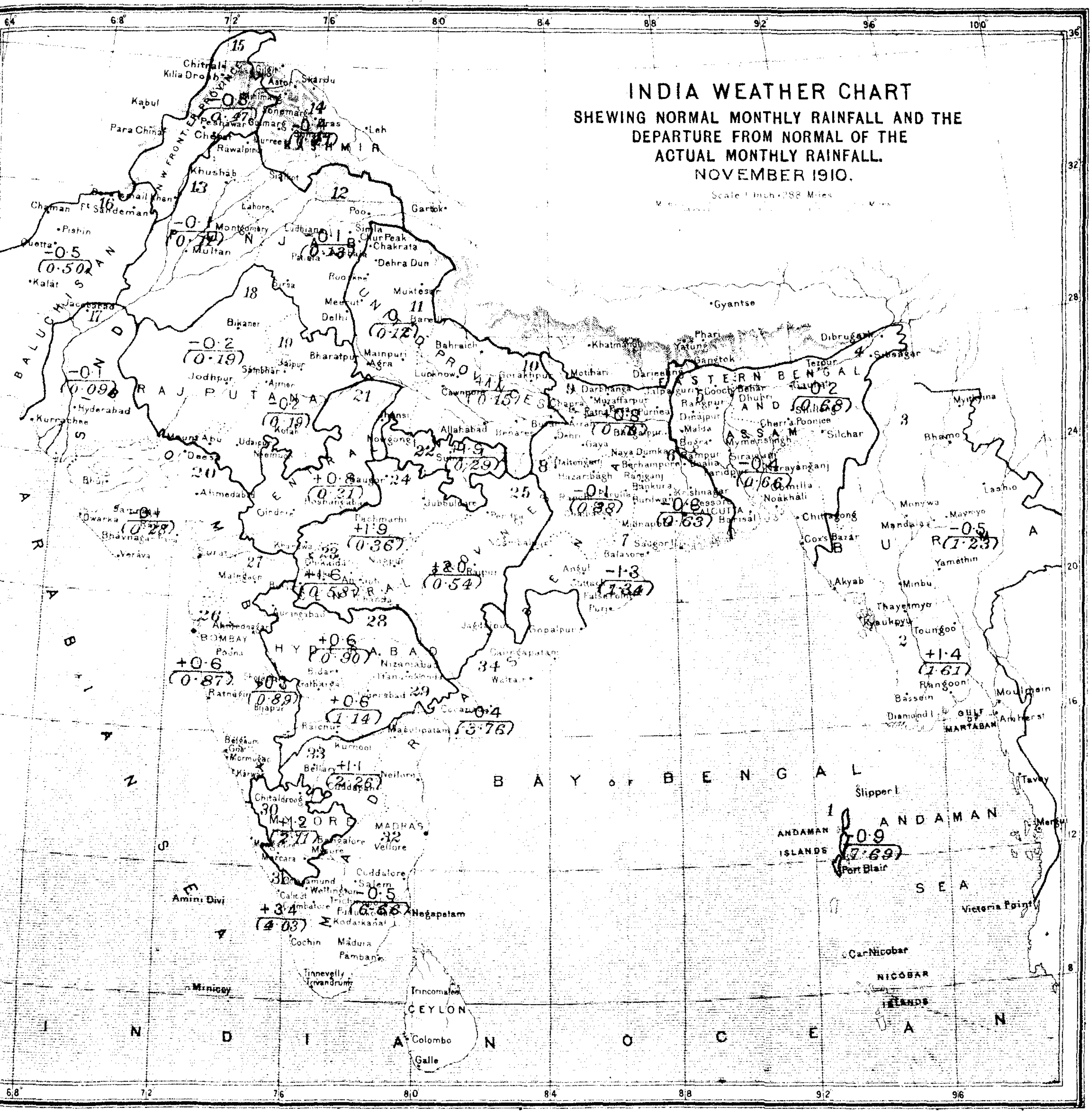


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)





No. 4101 E., 10-2.-5,000

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

THE GOVERNMENT OF INDIA.

CALCUTTA, DECEMBER, 1910.

INTRODUCTION.

THIS review of the weather in India during the month of December, 1910, is based on observations taken daily at 8 hrs. at 238 stations, and on additional observations taken at 10 hrs. and 16 hrs. at 33 stations. In the rainfall summary have been utilized 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. The brief notes on solar, seismic and magnetic disturbances are supplied by the chief observatories in the Indian area.

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.

2. Weather was unusually quiet except in northwest India, where three disturbances of the cold weather type occurred causing light to moderate precipitation, chiefly in Kashmir and Baluchistan. Accordingly the month's total precipitation fell short of the normal all over the plains of India, the deficit being most pronounced in Madras southeast and Malabar which received little or no rain, whereas under ordinary conditions over 4″ are recorded in the former locality and upwards of an inch in the latter. In fact one of the more noteworthy features of the meteorology of the month was the complete absence of precipitation in Madras occasioned by an abnormally early retreat of the monsoon from the Bay. In Kashmir and Baluchistan on the other hand the month's fall was 29 and 14 per cent., respectively in excess of the normal.

Owing to the scantiness of precipitation the greater part of the country had clearer skies and a drier atmosphere than is normally the case in December.

In the plains nights were cooler than usual in lower Bengal, Rajputana and most parts of the Peninsula, and days in the North-West Frontier Province and the western parts of the Punjab. In the hill districts of Baluchistan and Kashmir temperature was low, both by day and night.

Mean monthly pressure was appreciably high in the greater part of Madras, and low in Burma, a type of distribution usually associated with a deflection of the monsoon current from the Peninsula. The vertical gradient was weak in Baluchistan, and steeper than the normal in the Himalayan area and southern India.

Solar, seismic and magnetic disturbances.

KODAIKANAL OBSERVATORY.

3. *Solar observations.*—The weather was very favourable for solar observations, which were made on all days except the 31st, when it was cloudy throughout.

Sunspots.—The spot activity continued low. Nine new groups of spots, with a daily average of only 0·9, were recorded during the month. The average life of a spot was 3·1 days and all the spots were small. One of them, No. 1945, which came round the east limb on the 9th, appeared disturbed as indicated by the behaviour of the C and D^3 line in its neighbourhood. On 11 days the sun was free from spots.

The distribution of spots in latitude was as follows :—

TABLE 1.

	0° - 10°.	11° - 20°.	Mean latitude.	Extreme latitudes.
North . .	1	1	9°·0	2° and 16°
South . .	5	2	8°·7	2° and 16°

Prominences.—Fifty-four large, 6 eruptive, and 4 metallic prominences were observed during the month. Four of these were over two minutes in height. The highest was recorded on the 20th at latitude −33°, and was 225″ high.

Magnetic disturbances.—There were moderate magnetic disturbances on the 15th and 28th. On the former date there were small spots on both sides of the central meridian, but on the latter date there was no spot visible on the sun.

Seismological records.

TABLE 2.

No.	Date.	P. T. Commencement. G. M. T.	L. W. Commencement. G. M. T.	Maxima. G. M. T.	End.	Maximum. Amplitude.	Duration.	REMARKS.
	1910.	H. M.	H. M.	H. M.	H. M.	mm. ″	H. M.	
69	Dec. 1	15 57·8	16 14·3	16 15·3	17 05	2·5=1·2	1 07	
70	„ 3	8 33·6	...	8 52·6	9 18	...	0 44	Widening of line.
71	„ 4	11 27·9	11 55·1	11 58·8	12 29	1·1=0·5	1 01	
72	„ 10	9 42·3	10 21·3	10 32·6	12 18	2·0=0·9	2 36	
73	„ 13	11 42·7	11 57·8	12 06·5	15 13	15·2=7·2	3 30	
74	„ 16	14 50·6	15 00·9	15 19·4	18 41	15=7·1	3 50	
75	„ 16	19 01·0	19 25·6	19 27·7	20 01	1·6=0·8	1 00	
76	„ 18	2 52·6	3 04·0	3 04·9	4 06	0·6=0·3	1 13	
77	„ 18	5 38·2	...	5 42·8	5 53	0·4=0·2	0 15	
78	„ 18	19 23·4	...	...	19 48	...	0 25	Widening of line.
79	„ 23	1 04·9	1 06·9	1 08·9	1 45	0·8=0·4	0 40	
80	„ 29	13 12·5	13 37·6	13 38·6	14 15	0·4=0·2	1 02	
81	„ 30	0 55·8	1 07·6	1 09·1	1 56	1·0=0·5	1 00	

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

BOMBAY OBSERVATORY.

Alibag magnetic record.

4. During the month of December, 1910, the traces showed 7 calm days, 23 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 10th, 12th, 17th, 18th and 24th.

The mean observed absolute values of the several magnetical 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 . . .	0° 55′ 27″
Horizontal force	0·36849 C. G. S. unit.
Vertical force	0·16144 „ „
Inclination	23° 39′·5
Inclination (observed) . . .	23° 39′·4
Horizontal force range . . .	0·00034 C. G. S. unit.
Horizontal force summed range .	0·00201 „ „
Declination range	1′·4
Declination summed range . .	7′·9

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

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

TABLE 3.

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

C = calm, S = small, M = moderate, G = great, V. G. = very great.

Seismic disturbances.

TABLE 4.

Date.	Commencement.	Maximum.	End.	Maximum amplitude.	Duration.
	H. M.	H. M.	H. M.	mm.	H. M.
1910 December 1st .	16 3·2	16 22·4	16 39·3	0·9	0 36·1
„ 3rd .	8 39·7	8 52·0	9 1·4	0·3	0 21·7
„ 4th .	11 45·4	12 3·8	12 30·2	0·3	0 44·8
„ 10th .	9 43·2	10 28·2	12 27·0	1·5	2 43·8
„ 13th .	11 38·1	12 5·9	15 22·0	11·3	3 43·9
„ 16th .	14 55·2	15 26·1	lost in shifting time.	8·2	...
„ 16th .	18 57·9	19 27·9	20 10·0	1·1	1 12·1
„ 18th .	3 2·5	3 23·1	3 51·5	0·5	0 49·0
„ 23rd .	1 0·2	1 5·7	1 50·5	1·1	0 50·3
„ 29th .	13 22·0	13 42·1	14 5·7	0·5	0 43·7
„ 30th .	0 56·7	1 10·0	1 34·5	0·5	0 37·8

All times given above denote G. M. T.
Sensibility to tilt, 1 mm. = 0″·37.

N. A. F. MOOS,
Director,
Bombay Observatory.

CALCUTTA OBSERVATORY.

5. *List of displacements recorded by the Milne seismograph.*

TABLE 5.

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.	REMARKS.
1910		H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
December	1	15 51·6	16 1·2	16 16·5	16 58·7	1 7·1	1·75	
,,	4	11 25·8	...	...	13 12·7	1 46·9	...	Thickening of the line.
,,	5	16 42·8	16 58·5	17 1·2	17 26·1	0 43·3	1·00	
,,	10	9 20·3	9 49·3	10 12·6	12 32·0	3 11·7	4·00	
,,	13	11 49·3	12 2·0	12 17·8	15 11·6	3 22·3	12·00 *	* Measured from the base line.
,,	16	14 42·0	14 52·7	15 12·5	18 12·1	3 30·1	17·50 †	† Ditto.
,,	16	18 59·5	19 6·1	19 21·3	20 15·8	1 16·3	2·00	
,,	16	23 22·5	...	23 49·9	? ‡	?	0·75	‡ Ends in morning air tremor. At the end the light was put out at 1 P. M. for time correction.
,,	17	6 26·7	...	6 52·6	7 13·0 ?	0 46·3 ?	0·75	
,,	18	? §	3 3·0	3 16·7	6 2·3	?	2·00	§ Begins with morning air tremor.
,,	18	19 22·1	...	19 30·7	19 40·4	0 18·3	0·75	
,,	27	19 2·0	19 25·9	19 27·4	19 49·4	0 47·4	0·75	
,,	29	13 15·1	13 2·33	13 36·0	14 22·3	1 7·2	1·50	
,,	30	...	0 54·9	1 18·3	?	? ¶	1·50	¶ Ends in morning air tremor.
,,	30	3 56·4	...	4 2·5	4 10·2	0 13·8	0·50	
,,	30	19 8·8	...	19 22·1	19 35·8	0 27·0	0·50	

Sensibility 1 mm. = 0″·38 of tilt.

C. W. PEAKE,
Meteorologist, Calcutta.

SIMLA OBSERVATORY.

6. *List of earthquakes recorded by the Omori-Ewing seismographs.*

TABLE 6.

Date.		Beginning of 1st P. T.	Beginning of 2nd P. T.	Beginning of L. W.	Time of maximum amplitude.	End approximately.	Duration.	Maximum displacement of style.	REMARKS.
		H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	mm.	
1st	A	15 51·9	16 0·1	16 15·9	16 17·2	17 50	1 58	0·6	
,,	B	15 52·6	16 0·1	16 14·9	?	16 50	0 47	Small*	
4th	A	?	?	11 30·9	11 31·4	12 24	?	Small*	
10th	A	9 38·6	9 50·2	10 12·9	10 19·4	12 29	2 50	2·5	Preceded by slight tremors from 4 hrs. 49 mins.
,,	B	?	?	?	10 28·2	?	?	0·6	
11th	A	Slight tre	mors thr	oughout	period.				
13th	A	11 47·3	11 55·4	12 6·0	12 8·0	14 31	2 44	?	Touched the stops.
,,	B	11 47·3	11 55·4	12 6·2	12 8·2	13 22	1 35	22·3	
14th	A	21 4·2	21 10·4	21 16·8	21 17·3	21 32	0 28	Small*	
16th	A	14 53·8	15 1·6	15 9·6	15 2·7	15 38	0 44	14·8	Apparently two shocks: supposed max. of 2nd at 15 hrs. 11 mins. = 13·2 mm. Max. of 2nd shock at 15 hrs. 18 mins. = 9·0 mm.
,,	B	14 54·2	15 1·2	15 16·2	15 2·2	16 18	1 24	9·0	
,,	A	19 1·4	19 8·8	19 23·4	19 30·9	19 50	0 48	0·3	
,,	B	Disturban	ce from	19 hrs. 8	mins. to	19 hrs.	51 mins.		
19th	A	Tremors on 19th.	from 4	hrs. 30	mins.	on 18th	to 1 hr.	30 mins.	
23rd	A	?	?	0 56·4	0 57·4	?	?	2·3	Tremors during greater part of period from 4 hrs. 28 mins. on 22nd to 4 hrs. 28 mins. on 23rd.
,,	B	Disturban amp. at	ce from 0 hrs. 59	0 hr. mins. =	57 mins. 0·5 mm.	to 1 hr.	13 mins.	max.	
27th	A	19 0·2	19 8·3	19 13·3	19 14·7	20 14	1 14	Small*	
29th	A	13 15·2	13 22·6	13 26·5	13 26·8	13 53	0 38	0·3	Apparently a second shock of small amplitude followed L. W. at 13 hrs. 40 mins.
,,	B	Disturban amp.	ce from Small.*	13 hrs.	22 mins.	to 13	hrs. 50	mins.	
30th	A	0 55·9	1 3·0	1 7·4	1 8·0	1 32	0 36	0·5	
,,	B	0 56·1	1 3·2	1 7·4	1 4·0	1 18	0 22	0·4	

All times are given in G. M. T.
A = E—W component.
B = N—S component.

Magnification of each instrument was 15.
* Displacements less than 0·5 mm. are reported as "small".

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

TABLE. 7.

Place at which felt.	Date.	G. M. T. of earthquake.		Duration.	Intensity.	No. of shocks.	REMARKS.
		H.	M.	Sec.			
Zanzibar . .	13th	11	38	40	4	2	Walls of two houses cracked.
Drosh . . .	20th	8	30	2	5	2	
Chitral . . .	20th	8	49	1½	3	1	
Drosh . . .	21st	11	36	3	6	2	
Shillong . . .	22nd	13	8	5	3	2	
" . . .	23rd	22	39	2	3	1	
Drosh . . .	25th	18	4	3	3	1	
Murree . . .	25th	18	3	6	3	2	
Chitral . . .	25th	20	5	2	2	2	
Shillong . .	27th	23	10	5	5	2	

For scale of intensities reference may be made to the Monthly Weather Review for January, 1909.

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	1·53
Minimum	1·43
Mean	1·48
Number of days of observation . . .	12

J. H. FIELD,

Imperial Meteorologist, Simla.

ROYAL ALFRED OBSERVATORY, MAURITIUS.

7. The following information has been communicated b the Director of the Observatory.

TABLE 8.

Date.	Time.	Disturbance.
Dec. 1910.		
2nd	13h. to 18h.	Long wave in H. F. (−30).
2nd	18½h. to 19½h.	Wave in H. F. (−20).
2nd	22h. to 23½h.	Wave in H. F. (+25) steep at commence ment.
7th	12h. to 13½h.	Sharp pointed wave in H. F. (−20).
13th	19½h. to 24h.	Long wave in H. F. (−35).
14th	2h. to 3h.	Wave in H. F. (+20).
15th	8½h. to 22h.	Small fluctuations in H. F. with waves 10h to 13h. (−28); 13½h. to 15h. (−25); 17h. t 21h. (−55).
22nd	11½h. to 16½h.	Double wave in H. F. (−15 to +15).
24th	23h. to 24h.	Wave in H. F. (+20).
28th to 30th	9h. to 1h.	Frequent small fluctuations and undulations in H. F. and declination, with waves in H. F., 28th, 21h. to 22h. (+20); 29th, 1½h. to 2½h. (+32).

	Oct. 1910.
Departure from normal of mean pressure	− ·009
Actual mean wind direction	S 76° E
Normal mean wind direction	S 78° E
Actual mean wind velocity (miles per diem)	235
Normal mean wind velocity (miles per diem)	264
Rainfall departure from normal	+0·06

Weather in the Indian monsoon region.

8. In the subequatorial regions, as represented by Seychelles and Zanzibar, pressure departed but little from the mean. Winds were somewhat weaker than usual at both places, and at Zanzibar the direction of movement was abnormally easterly. The amount of precipitation recorded during the month was in excess of the normal by 46 per cent. at Zanzibar and 28 per cent. at Seychelles.

TABLE 9.

	Mauritius.	Zanzibar.	Seychelles.
Departure from normal of mean pressure.		+·002	+·009
Actual mean wind direction		N 76° E	N 55° W
Normal mean wind direction .		N 35° E	N 44° W
Actual mean wind velocity (miles per diem).		100	124
Normal mean wind velocity (miles per diem).		151	150
Rainfall departure from normal .		+2·56	+4·03

Depressions and cyclonic storms.

9. Several disturbances advanced eastwards from Persia, but only one had important influence on Indian weather. It apparently crossed the northwest border of India during the 15th as a wave of low pressure. By the next day it had become definitely marked in the neighbourhood of Bikanir. It intensified further on the 17th and on the following day when it was situate over Central India and the adjacent districts, it had a depth of over a sixth of an inch. By the 19th it had moved into the central parts of the United Provinces where it disappeared during the day. It produced light to moderate precipitation in Baluchistan and the western Himalayas, and some falls in the adjacent plains. Snow is said to have fallen to very low levels in the Simla Hills during the 18th.

Over the seas weather was unusually quiet throughout the month.

Pressure.

10. Atmospheric pressure was above the average to the south of a line through Hyderabad, Ajmer, Neemuch, Hoshangabad, Jubbulpore, Chaibassa and Balasore, and in defect over practically the whole of the rest of the plains. The opposite departures counterbalanced each other, with the result that the geographical mean of pressure over the whole of the plains was identical with the normal value. The excess was on the whole most pronounced in the southeast of Madras (+·03″), while the largest defect occurred in the central parts of Burma (—·03″); there was thus an abnormal gradient of about a twentieth of an inch between these two regions, a circumstance inimical to the occurrence of precipitation in Madras.

TABLE 10.

DIVISION.	Departure from normal of mean 8 hrs. pressure.
	″
Burma	—·016
Eastern Bengal and Assam	—·011
Bengal	—·004
United Provinces	—·013
Punjab	—·004
North-West Frontier Province	—·019
Sind	+·002
Rajputana	—·003
Bombay	+·014
Central India	—·004
Central Provinces	+·008
Hyderabad	+·016
Mysore	+·013
Madras	+·021

The vertical gradient was very weak in the Sind-Baluchistan area, and stronger than usual in the Himalayan region, and in southern India.

TABLE 11.

HILL STATION.	Departure from normal pressure. A	PLAIN STATION.	Departure from normal pressure. B	Departure of pressure difference B—A.
	″		″	″
Quetta	+·015	Jacobabad	—·006	—·021
Leh	—·047	Lahore	—·008	+·039
Murree	—·033	Peshawar	—·018	+·015
Simla	—·020	Ludhiana	+·004	+·024
Chakrata	—·020	Roorkee	—·001	+·019
Darjiling	—·047	Dhubri	—·011	+·036
Mount Abu	—·003	Deesa	+·002	+·005
Pachmarhi	+·018	Khandwa	+·009	—·009
Kodaikanal	—·011	Madura	+·037	+·048

Temperature.

11. The monthly average of day temperature lay within about 2° of the normal in all parts of the country with the exception of Baluchistan, Kashmir, the North-West Frontier Province and the adjacent districts of the Punjab, where the weather was between 3° and 8° cooler than usual. Temperatures during the night time were lower than usual over a large part of the country, the depression averaging about 3° in the Peninsula, deltaic Bengal, and Rajputana, and 4° in Baluchistan and Kashmir. In Burma, the central parts of the country, the Punjab and the North-West Frontier Province night temperature was almost normal.

A cold wave of moderate intensity advanced from Baluchistan across northern India, during the third week, and temperatures ranging from 28° to 32° were recorded at Peshawar, Rawalpindi, Dera Ismail Khan, Khush Montgomery, Sialkot and Lahore on the night of t 22nd.

TABLE 12.

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	84·0	76·2	80·1	7·8	14·9	—1·0	—0·9	— 0·
2. Lower Burma	84·0	65·8	74·9	18·1	28·0	—0·9	—0·3	— 0·
3. Upper do.	80·4	55·2	67·8	25·1	36·3	—0·4	+0·1	— 0·
4. Assam	74·8	52·9	63·9	21·9	30·5	—0·1	—0·8	+ 0·7
5. Eastern Bengal	76·5	53·5	65·0	23·0	32·5	—0·2	—1·1	+ 0·9
6. Bengal	77·6	52·6	65·1	24·9	36·6	+0·2	—2·5	+ 2·7
7. Orissa	79·8	54·5	67·1	25·3	34·0	—0·5	—2·7	+ 2·2
8. Chota Nagpur	76·3	48·8	62·6	27·5	37·8	—0·1	—1·1	+ 1·0
9. Bihar	74·8	49·9	62·3	24·8	35·2	—0·4	—1·8	+ 1·4
10 United Provinces, East	74·6	46·0	60·3	28·6	41·3	—0·7	—2·0	+ 1·3
11. Do., West	72·9	45·8	59·3	27·1	44·4	—0·9	—1·0	+ 0·1
12. Punjab, East and North	69·4	42·4	55·9	27·1	45·5	—1·7	—0·2	— 1·5
13. Do., Southwest	70·9	42·5	56·7	28·4	49·1	—2·7	—0·2	— 2·5
14. Kashmir	39·5	16·0	27·8	23·5	49·7	—3·5	—3·9	+ 0·4
15. North-West Frontier Province	67·1	39·5	53·3	27·7	46·8	—2·9	—0·1	— 2·8
16. Baluchistan	52·0	32·3	42·2	19·7	47·4	—7·3	—4·2	— 3·1
17. Sind	76·7	52·2	64·5	24·5	47·4	—1·5	0	— 1·5
18. Rajputana, West	77·3	48·5	62·9	28·9	50·6	—0·4	—3·8	+ 3·4
19. Do., East	78·1	47·8	62·9	30·3	47·5	+0·8	—1·9	+ 2·7
20. Gujarat	83·6	55·2	69·4	28·4	43·2	—0·4	—2·3	+ 1·9
21. Central India, West	80·4	48·9	64·6	31·5	45·1	+1·5	—0·5	+ 2·0
22. Do., East	75·9	46·8	61·4	29·1	44·4	+0·7	+0·1	+ 0·6
23. Berar	83·3	55·6	69·4	27·7	34·9	+1·5	+0·3	+ 1·2
24. Central Provinces, West	80·4	50·9	65·7	29·5	39·0	+1·3	+0·3	+ 1·0
25. Do., East	78·2	50·9	64·5	27·3	35·3	—0·3	—0·9	+ 0·6
26. Konkan	85·1	65·4	75·3	19·6	26·6	—2·0	—3·1	+ 1·1
27. Bombay Deccan	83·7	52·5	68·2	31·2	40·2	0	—2·1	+ 2·1
28. Hyderabad, North	82·2	55·3	68·7	26·9	35·6	—0·9	—1·9	+ 1·0
29. Do., South	83·0	57·0	69·9	26·0	33·0	—1·0	—2·8	+ 1·8

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.
	°	°	°	°	°	°	°	°
30. Mysore	79·4	59·9	67·1	24·5	29·9	—0·7	—3·8	+ 3·1
31. Malabar	86·0	67·8	76·9	18·2	23·7	—1·4	—3·3	+ 1·9
32. Madras, Southeast	84·5	66·7	75·6	17·9	23·4	+0·2	—2·8	+ 3·0
33. Do. Deccan	84·8	58·1	71·4	26·7	32·8	—1·6	—3·6	+ 2·0
34. Do. Coast, North	81·2	62·5	71·9	18·7	25·7	—0·7	—2·8	+ 2·1

TABLE 13.

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

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

Winds.

12. The deviations from the normal of air motion were of no great significance from the stand point of weather.

TABLE 14.

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
Burma	—0·3	—11
Eastern Bengal and Assam	—0·6	—13
Bengal	0	— 4
United Provinces	+0·1	+ 4
Punjab	+0·5	+ 3

Division.	Departure from normal of	
	Hourly wind velocity.	Wind steadiness.
North-West Frontier Province	—0·1	+25
Sind	—1·4	+ 4
Rajputana	+0·3	+ 4
Bombay	—0·7	+
Central India	—1·0	0
Central Provinces	—0·6	— 7
Hyderabad	—1·2	+31
Mysore	+0·2	0
Madras	+0·8	— 1

Humidity and cloud.

13. Except in Berar the greater part of Burma and a few places elsewhere the absolute humidity inclined to be low everywhere in the plains, and particularly so in the southern half of the Peninsula. The relative humidity varied rather irregularly from the normal, although it tended to be in defect in Madras, Hyderabad and most places in the plains of northern India, and in excess in parts of Burma, Mysore and the Central Provinces.

In Baluchistan, the districts at the foot of the Himalayas, Upper Burma and at a few stations elsewhere, cloud was thicker than usual, but over the rest of the country skies were clearer than usual, more especially in Bengal and the Central Provinces where the cloud proportion averaged about a fifth of the usual amount.

TABLE 15.

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	+ 2	·556	+·006	2·7	−0·3
Eastern Bengal and Assam.	87	− 3	·435	−·024	1·4	−0·3
Bengal . . .	76	− 3	·360	−·040	0·3	−1·
United Provinces. .	71	− 5	·280	−·033	1·2	−0·
Punjab . . .	69	− 4	·223	−·022	2·7	−0·
North-West Frontier Province.	62	− 9	·187	−·025	2·7	−0·
Sind	57	− 2	·285	+·006	2·7	+0·
Rajputana . . .	50	− 9	·217	−·055	1·4	−0·
Bombay . . .	58	− 1	·367	−·033	0·7	−0·9
Central India . .	64	+ 1	·289	−·007	0·5	−0·8
Central Provinces .	63	+ 1	·320	−·013	0·3	−1·4
Hyderabad . . .	61	− 1	·383	−·072	0·8	−0·9
Mysore . .	76	+ 3	·453	−·027	2·1	−1·4
Madras . . .	74	− 3	·563	−·079	2·6	−1·2

Rainfall.

14. Precipitation was abnormally light throughout the country with the exception of Baluchistan and Kashmir, which recorded somewhat larger amounts than are usual in December. The month was rainless or almost so in the Peninsula, Burma, nearly the whole of northeast and central India, the United Provinces, Sind, Rajputana an Gujarat. The deficit was important in Madras, which ob tains nearly 2½″ during the month.

The rainfall of the plains as a whole was below th normal by 0· ″ or per cent.

TABLE 16.

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure fro normal.
			″	″	″	
1. Bay Islands	7·0	5·2	3·61	3·86	−0·25	− 6
2. Lower Burma	0·2	0·3	0·09	0·16	−0·07	−44
3. Upper do.	0	0·7	0	0·35	−0·35	−100
4. Assam	0·6	1·0	0·22	0·44	−0·22	− 50
5. Eastern Bengal	0	0·3	0	0·19	−0·19	−100
6. Bengal	0	0·2	0	0·12	−0·12	−100
7. Orissa	0	0·4	0	0·23	−0·23	−100
8. Chota Nagpur	0	0·3	0	0·20	−0·20	−100
9. Bihar	0	0·3	0	0·12	−0·12	−100
10. United Provinces, East	0	0·6	0	0·29	−0·29	−100

Sub-division.	Number of rainy days.		Rainfall.			
	Actual.	Normal.	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
			"	"	"	
11. United Provinces, West	0·1	0·9	0·04	0·45	—0·41	— 91
12. Punjab, East and North	0·6	0·9	0·16	0·52	—0·36	— 69
13. Do., Southwest	0·3	0·5	0·08	0·22	—0·14	— 64
14. Kashmir	4·0	2·8	1·73	1·34	+0·39	+ 29
15. North-West Frontier Province	0·8	0·9	0·39	0·48	—0·09	— 19
16. Baluchistan	2·5	2·2	1·09	0·96	+0·13	+ 14
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	0·9	0	0·37	—0·37	—100
22. Do., East	0	0·9	0	0·45	—0·45	—100
23. Berar	0	0·4	0	0·30	—0·30	—100
24. Central Provinces, West	0	0·6	0	0·36	—0·36	—100
25. Do., East	0	0·4	0	0·23	—0·23	—100
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	0·41	—0·41	—100
29. Do., South	0	0·3	0	0·18	—0·18	—100
30. Mysore	0	0·7	0	0·38	—0·38	—100
31. Malabar	0	1·7	0	1·20	—1·20	—100
32. Madras, Southeast	0	4·7	0·02	4·13	—4·11	—100
33. Do. Deccan	0	0·8	0	0·46	—0·46	—100
34. Do. Coast, North	0	1·0	0	0·84	—0·84	—100

TABLE 17.

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Burma	0·04	0·26	—0·22	— 85
Eastern Bengal and Assam	0·11	0·32	—0·21	— 66
Bengal	0	0·15	—0·15	—100
United Provinces	0·02	0·37	—0·35	— 95
Punjab	0·14	0·46	—0·32	— 70
North-West Frontier Province	0·39	0·48	—0·09	— 19
Sind	0	0·11	—0·11	—100

Division.	Rainfall.			
	Actual.	Normal.	Departure from normal.	Percentage departure from normal.
	"	"	"	
Rajputana	0	0·33	—0·33	—100
Bombay	0	0·14	—0·14	—100
Central India	0	0·40	—0·40	—100
Central Provinces	0	0·30	—0·30	—100
Hyderabad	0	0·29	—0·29	—100
Mysore	0	0·38	—0·38	—100
Madras	0·01	2·41	—2·40	—100
Mean of India	0·03	0·49	—0·46	—94

Snowfall.

I.—AFGHANISTAN.

15. No information has been received from Kabul. Heavy snow is said to have fallen during the third week in Herat.

II.—NORTH-WEST FRONTIER PROVINCE.

(*a*) *Wano.*—Snow fell on the surrounding heights on the 8th, 10th, 14th, 15th, 17th and 31st. The total fall amounted to about a foot on the Marwatti, Pirghal, Bosh and Dre Nashtar, and 1 or 2 inches on the Kotkun and Spera (elevation 6,000 feet). At the close of the month the unmelted residue on the highest points measured only about an inch in depth.

(*b*) *Kurram.*—There were in all eight falls and four of those extended to Parachinar.

(*c*) *Kohat.*—There were three falls, but they were local in character. The aggregate of the month ranged from 2″ on the Hangu hills and five or six inches on the Samana range and Manikhel to 1½ feet on the Alikhel hills.

(*d*) *Chitral.*—There were four falls of snow in Chitral itself, and six falls on the adjacent mountains: the total fall recorded during the month measured about 9 inches in depth in the former locality and nearly 4 feet in the latter. At the end of the month there was an accumulation of about 12 feet on the Lowarai pass, and of about 1 foot on the hills around the observatory.

(*e*) *Hazara*—

TABLE 18.

Name of Range.	Total snowfall of month.	
	Feet	inches
Siran (Punjal, elevation 6,500 feet)	5	6
Tandiani	5	11
Dungagali	4	½

III.—KASHMIR.

There were frequent falls, mainly during the second hal of the month. The aggregate fall received during th month amounted to about 9 feet at Sonemarg, 2 feet a Dras, 1 foot at Srinagar and 1½ feet at Kargil; on the hill near Kargil the amount was nearly 6½ feet. At the end o the month there was an accumulation of about 6 to 9 fee on the Zojila, of about 3 feet on the hills around Kargil and of over a foot in Kargil itself.

IV.—PUNJAB.

(*a*) *Murree.*—Snow fell on two days at Murree and or one day on the hills near Kahuta; the total fall measurec one foot in depth in the former locality and 6″ in the latter

(*b*) *Kangra.*—Much snow fell during the last thirteen days. The fall of the 18th was unusually heavy and widespread.

(*c*) *Kilba* (*Simla Hills*).—Snow fell on the 8th, the 17th to 19th and 28th to 30th. The lowest level reached by the snowline was 5,750 feet, and here the fall was six inches. The storms appear to have extended over the whole valley.

V.—UNITED PROVINCES.

(*a*) *Garhwal.*—Snowstorms occurred on the 18th, 19th and 29th, but the falls were not heavy and were confined to the higher peaks to the north. Weather was very cold throughout.

(*b*) *Almora.*—The aggregate fall amounted to 13 feet on the Nuwe pass, 5 feet on the Binkaru pass, and 4 feet in Byans.

SUMMARY.

16. The available information indicates that the snowfall of the month was heavier than the average in Kashmir, the greater part of the Afghan mountains, and perhaps also in the Punjab Himalayas.

HEM RAJ.

TABLE A.—Abstract of observations taken at 10 hrs. and 16 hrs. at 33 stations in India, etc., in December, 1910.

Tab

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

Number of subdivision.	Station.	Elevation of barometer cistern above sea-level, in feet.	Pressure. Mean of 10 hrs.	Pressure. Mean of 16 hrs.	Pressure. Mean daily range.	Pressure. Mean of daily mean pressures.	Pressure. Departure from normal.	Pressure. Mean reduced to sea-level and gravity, 45° Lat.	Temperature of air. Mean maximum.	Temperature of air. Mean minimum.	Temperature of air. Mean daily range.	Temperature of air. Highest maximum.	Temperature of air. Lowest minimum.	Temperature of air. Absolute range.	Temperature of air. Mean 10 hrs.	Temperature of air. Mean 16 hrs.	Temperature of air. Mean of daily means.	Temperature of air. Departure from normal.	Temperature, wet-bu Mean minimum.	Temperature, wet-bu Mean 10 hrs.	Temperature, wet-bu Mean 16 hrs.	Temperature, wet-bu Mean of
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 . .	18	30·012	29·883	·129	29·945	—·020	29·901	87·1	68·4	18·7	90·6	62·9	27·7	80·3	85·6	76·1	+ 0·5	66·4	71·8	71·6	6
	III.—Bengal.																					
6	Calcutta . .	21	·092	·966	·126	30·023	—·005	·990	77·7	53·3	24·4	81·4	45·6	35·8	70·0	75·7	64·5	— 0·8	51·9	60·7	62·0	5
	IV.—United Provinces of Agra and Oudh.																					
10	Allahabad . .	309	29·797	·690	·107	29·732	—·017	30·007	74·9	46·3	28·6	81·2	40·5	40·7	64·6	73·4	58·6	— 1·2	45·0	54·3	57·4	
11	Dehra Dun . .	2,233	27·797	27·722	·075	27·748	—·025	·020	68·8	45·5	23·3	75·1	37·4	37·7	60·2	64·0	56·2	— 0·1	43·4	51·2	53·3	
	V.—Punjab.																					
12	Lahore . .	702	29·395	29·309	·086	29·342	—·013	·050	71·0	41·8	29·2	81·4	29·4	52·0	58·2	68·0	54·2	— 0·4	39·4	49·3	54·8	
	VIII.—Rajputana.																					
19	Jaipur . .	1,431	28·660	28·561	·099	28·599	—·011	·027	77·7	47·8	29·9	85·4	36·0	49·4	68·6	75·3	60·9	— 0·6	41·8	53·2	56·4	
	Udaipur . .	1,925	·159	·054	·105	·101		·010	79·4	46·7	32·7	85·9	38·6	47·3	69·7	78·4	62·9		43·9	55·5	59·7	
	IX.—Bombay.																					
26	Bombay . .	37	30·036	29·925	·111	29·872	+·019	29·949	84·1	69·0	15·1	88·3	65·3	23·0	75·1	79·7	75·8	— 0·6	64·4	68·3	72·0	
	XI.—Central Provinces.																					
24	Nagpur . .	1,017	29·078	28·955	·123	·012	+·016	30·007	82·7	53·2	29·5	84·8	48·9	35·9	71·8	80·9	67·2	+ 0·1	49·4	60·1	63·4	
	XII.—Hyderabad.																					
29	Hyderabad .	1,690	28·375†	·262†	·113	28·316†	+·012	29·972†	82·1	54·3	27·8	84·5	49·2	35·3	74·4	77·8	67·4	— 1·7	50·7	61·3	60·7	
	XIII.—Mysore.																					
30	Bangalore . .	3,021	27·051	26·946	·105	27·000	+·018	·941	78·5	54·5	24·0	82·3	51·6	30·7	69·8	76·3	65·6	— 1·9	53·6	60·3	61·7	
	Mysore . .	2,518	·537	27·413	·124	·476	+·005	·928	80·4	55·5	24·9	83·8	51·9	31·9	72·5	79·5	67·0	— 2·8	54·5	61·9	63·1	
	XIV.—Madras.																					
32	Pudukkottai .	318	29·723	29·597	·126	29·660		·912	85·0	67·2	17·8	87·3	64·2	23·1	79·0	82·5	76·1		64·5	68·1	68·7	
	Madras . .	22	30·054	·953	·101	30·003	+·023	·956	83·7	67·0	16·7	85·5	62·3	23·2	79·6	79·9	74·6	— 1·1	66·3	72·0	71·9	
	Bay Islands.																					
1	Port Blair . .	58	29·931	·831	·100	29·881	—·005	·869	84·8	76·0	8·8	88·0	71·4	16·6	81·9	82·6	79·6	— 0·9	72·2	75·6	75·3	
	Kashmir.																					
14	Srinagar . .	5,204	25·050	24·976	·074	25·005	—·016	24·976	43·2	28·3	14·9	55·0	17·3	37·7	34·9	41·4	33·9	— 2·4	26·2	32·3	38·2	
	Leh . . .	11,503	19·706	19·635	·071	19·665	—·034	19·633	31·3	12·2	19·1	43·4	1·0	42·4	24·0	27·2	19·8	— 2·3	10·0	19·6	21·8	
	Baluchistan.																					
16	Quetta . .	5,502	24·775	24·701	·074	24·726	+·012	24·686	49·6	27·9	21·7	64·1	12·8	51·3	41·9	45·8	37·8	— 4·5	29·4§	35·6	38·2	

† Mean of 29 days.

§ Mean of 25 days.

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

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

A.

stations in India, etc., in December, 1910.

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.	
·625	·663	·590	·639	—·013	90	64	48	74	− 4	2·4	3·4	2·9	0	16	15	19	3	3	3	1		2	N 34° E	N 42° E	47	61	25	108	0	0	Rangoon	2
																															III.—Bengal.	
·369	·408	·375	·396	—·042	91	55	42	66	− 5	0·2	0·5	0·3	−1·5	2	9	3	1			3	6	38	N 42° W	N 13° W	78	63	70*	60	0	0	Calcutta	
																															IV.—United Provinces of Agra and Oudh.	
·287	·289	·267	·288	—·043	90	46	32	61	− 6	0·4	0·7	0·5	−1·0	9	3	5	6	1	1	2	23	12	N 62° W	N 43° W	41	27	55	72	0	0	Allahabad	10
·259	·267	·276	·266	—·005	85	52	47	63	0	3·1	4·0	3·5	+0·7	10	2	2	1	5	7	8	16	10	S 76° W	S 75° W	37	17	26*	29	0·23	0·20	Dehra Dun ‡	11
																															V.—Punjab.	
·218	·239	·259	·236	—·035	80	49	38	58	− 5	2·7	3·6	3·1	+0·3	12	4	2	3	1		3	13	24	N 54° W	N 36° W	55	21	36	31	0·16	0·14	Lahore	12
																															VIII.—Rajputana.	
·197	·221	·226	·215	—·052	57	31	25	42	−11	1·7	2·5	2·1	−0·4		11	5	5	6	3	5	7	20	N 34° W	N 27° W	34	27	77*	70	0	0	Jaipur	19
·255	·267	·281	·263		80	36	28	49		0·9	1·4	1·1		36		3	7	3	1	4	8		S 6° E		6		32		0	0	Udaipur	
																															IX.—Bombay.	
·537	·599	·675	·629	—·010	76	69	66	73	+ 1	0·7	0·5	0·6	−1·3		1	10	17	2			11	21	N 1° W	N 15° E	34	55	184*	233	0	0	Bombay	26
																															XI.—Central Provinces.	
·305	·374	·364	·354	—·002	76	48	34	56	+ 2	1·6	2·9	2·3	+0·1	17	10	19	9	3		1	2	1	N 45° E	N 57° E	48	54	44	72	0	0	Nagpur	24
																															XII.—Hyderabad.	
·330	·378	·314	·348	—·092	78	45	33	54	− 7	1·3	1·7	1·5	−1·1	20		32		10					N 63° E	S 78° E	53	57	45	77	0	0	Hyderabad.	29
																															XIII.—Mysore.	
·406	·421	·381	·417	—·049	94	57	42	66	− 4	1·0	1·0	1·0			1	23	32	5			1		N 75° E	N 72° E	85	81	169	132	0	0	Bangalore	30
·412	·423	·375	·417	—·059	93	53	37	63	+ 1	1·6	2·2	1·9	−2·7			29	30	2				1	N 69° E	N 78° E	89	82	237	247	0	0	Mysore	
																															XIV.—Madras.	
·567	·544	·522	·514		85	55	47	62		3·6	4·3	3·9		1	13	44	4						N 39° E		90		289		0	0	Pudukkottai	32
·638	·684	·676	·685	—·044	96	67	66	79	− 3	3·8	3·8	3·8	−1·7		26	35	1						N 27° E	N 24° E	92	81	157*	175	0·05	0·05	Madras	
																															Bay Islands.	
·738	·803	·781	·799	—·052	83	74	70	78	− 3	5·4	6·1	5·7	+0·5	19	13	22	2	6					N 42° E	N 57° E	52	66	107	176	6·01	1·86	Port Blair	1
																															Kashmir.	
·124	·157	·201	·154	—·022	78	77	74	76‖	− 5	6·8	7·1	6·9	+1·8	18	4	3	1	5	1	1	8	26	N 38° W	S 36° E	40	3	61	62	1·36	0·40	Srinagar	14
·057	·075	·077	·071	—·003	71	58	55	65	+ 4	6·2	6·5	6·3	+0·4		2	6	2	6	29	11	4	2	S 5° W	S 18° W	53	40	41	31	0·31	0·07	Leh	
																															Baluchistan.	
·158§	·150	·157	·160	+·002	93§	59	55	72	+11	4·3	5·1	4·7	+1·5	8	5	1	2	4	6	4	6	26	N 60° W	N 63° W	40	24	66	55	1·18	0·41	Quetta	16

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

* Uncorrected for scale error.

‡ Wind less 1.

‖ Mean of three previous columns.

Table

Abstract of observations taken at 10 hrs. and 16 hrs. at 33

Number of subdivision.	Station.	Elevation of barometer cistern above sea-level, in feet.	Pressure. Mean of 10 hrs.	Pressure. Mean of 16 hrs.	Pressure. Mean daily range.	Pressure. Mean of daily mean pressures.	Pressure. Departure from normal.	Pressure. Mean reduced to sea-level and gravity, 45° Lat.	Temperature of air. Mean maximum.	Temperature of air. Mean minimum.	Temperature of air. Mean daily range.	Temperature of air. Highest maximum.	Temperature of air. Lowest minimum.	Temperature of air. Absolute range.	Temperature of air. Mean 10 hrs.	Temperature of air. Mean 16 hrs.	Temperature of air. Mean of daily means.	Temperature of air. Departure from normal.	Temperature, wet-bulb. Mean minimum.	Temperature, wet-bulb. Mean 10 hrs.	Temperature, wet-bulb. Mean 16 hrs.	Temperature, wet-bulb. 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 . . .	7,232	23·168	23·122	·046	23·133	—·017	23·095	49·2	39·1	10·1	55·5	30·1	25·4	45·8	45·9	43·2	—0·2	31·7	36·3	37·2	35·1
	Sarain . .		·209	·157	·052	·172		·134	49·0	31·1	17·9	59·2	25·3	33·9	41·7	40·3	39·1			35·0	35·2	
	Kalabagh§ . .		20·127	20·076	·051	20·090		20·219	39·5	23·3	16·2	40·7	21·9	18·8	36·5	34·5	30·5			30·8	30·3	
	Chakrata . .	7,022	23·346	23·291	·055	23·310	—·029	23·269	57·7	38·8	18·9	65·7	31·7	34·0	50·6	47·8	47·4	+1·2	32·9	41·9	41·3	38·7
	Muktesar . .	7,592	22·907	22·843	·064	22·863		22·821	53·4	38·2	15·2	58·7	30·0	28·7	47·2	49·8	44·9		30·0	37·0	39·8	35·6
	Katmandu . .	4,388	25·764	25·646	·118	25·702	—·008†	25·656	64·1	37·1	27·0	67·2	30·8	36·4	46·0	62·0	49·7	—2·9†	35·6	43·9	51·0	43·5
	Darjiling . .	7,376	23·041	22·963	·078	22·999	—·059	22·954	48·3	36·8	11·5	54·3	33·2	21·1	44·2	44·3	41·6	—0·2	35·1	41·2	41·5	39·3
	Pachmarhi . .	3,528	26·598	26·523	·075	26·554	+·004	26·500	71·3	45·5	25·8	74·6	40·1	34·5	59·9	67·6	57·5	+0·4	43·1	54·0	55·9	51·0
	Mount Abu .	3,945	·185	·115	·070	·143	0	·093	68·2	53·4	14·8	74·0	41·8	32·2	64·5	64·7	59·9	0	43·1	49·6	49·6	47·4
	Chikalda . .	3,642	·469	·366	·103	·410	—·041	·355	73·3	54·3	19·0	76·7	51·2	25·5	66·5	69·8	62·9	0	49·7	56·2	57·8	54·6
	Ootacamund .	*7,327*	23·104	23·024	·070	23·065		23·001	68·5	42·9	25·6	71·8	34·6	37·2	65·9	61·8	54·8		34·7	45·7	47·9	42·7
	Kodaikanal . .	7,688							Observ	tions no	t receive	d.										
	Dodabetta . .	8,539†	22·109	22·040	·069	22·071		22·008	61·1	47·0	14·1	65·3	43·7	21·6	58·3	54·8	53·2		33·4	42·2	42·8	39·8
	Extra India.																					
	Minicoy . .	7	30·005	29·944	·061	29·979																
	Zanzibar . .	72	29·937	·826	·111	·885	+·002	29·884	85·8	80·1	5·7	88·4	78·2	10·2	82·6	85·5	82·1	+0·2	74·0	77·6	77·6	76·4
	Diego Garcia .									Observa	tions no	t receive	d.									
	Seychelles . .	15	29·978	29·892	·086	29·945	+·009†	29·884	82·5	75·9	6·6	83·9	74·0	9·9	80·3	80·8	78·1	+0·2†	71·5	76·2	76·1	74·6
	Mauritius . .	181								Observa	tions no	t receive	d.									

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 normal. § Observations of 3 days.

A—*concluded.*

stations in India, etc., in December, 1910—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.	
·104	·116	·134	·123	−·016	45	40	45	46	− 2	3·8	5·3	4·5	+0·5																1·50	0·98	Simla.	
	·136	·155				55	64			5·1	5·7	5·4		29	1	6			11	14	1		S 23° W		27		94		0·27‡	0·20	Sarain.	
	·125	·137				58	69			6·0	6·0	6·0																			Kalabagh.	
·128	·176	·192	·170	+·016	56	50	59	58	+ 4	3·3	4·4	3·9	+0·8	7	13			23	18			1	S 37° E	S 51° W	42	16	93	120	1·72	1·54	Chakrata.	
·089	·109	·142	·165		40	37	41	42		3·9	4·8	4·3		13			3	3		3	39	1	S 85° W		60		216		0·27	0·27	Muktesar.	
·193	·263	249	·240	−·028	86	85	45	75	0	1·4	2·0	1·7	−0·9	6	1		19				34	2	N 82° W	N 72° W	27	43	10	22	0	0	Katmandu.	
·186	·229	·233	·221	+·014	86	80	81	85	+ 5	6·1	6·5	6·3	+1·9	41		5	1			3	6	6	N 54° W	N 48° W	16	5	21	70	0·02	0·02	Darjiling.	
·238	·339	·307	·300	+·018	79	66	47	71	+10	0	0	0	−2·2	11	27	9	1		2	1	3	8	N 3° W	N 27° E	58	20	34	65	0	0	Pachmarhi.	
·163	·187	·186	·184	−·037	40	31	30	41	− 7	1·5	1·5	1·5	−0·3		8	7	1	7	10	12	8	9	S 71° W	N	20	10	95	98	0	0	Mount Abu.	
·305	·338	·340	·333	+·025	72	52	47	64	+ 7	0·3	0·4	0·3	−2·0																0	0	Chikalda.	
·119	·098	·192	·140		44	16	35	31		1·0	2·7	1·9		2	1	13	31	8	7				S 87° E		74		129		0	0	Ootacamund.	
										Observations not received.																					Kodaikanal.	
·057	·107	·173	·112		17	22	40	23		1·4	2·6	2·0		3	4	17	24	11	3				N 83° E		75		427		0	0	Dodabetta.	
																															Extra India.	
										1·8	2·2	2·0			20	33	8	1					N 37° E		85		95		0	0	Minicoy.	
·760	·872	·836	·832	−·031	74	79	69	75	− 3	6·3	4·7	5·5	+0·9	2	9	13	8	11	5	6	5	3	N 76° E	N 35° E	23	65	100	151	8·08	1·95	Zanzibar.	
										Observations not received.																					Diego Garcia.	
·710	·849	·838	·824	−·008	79	82	80	82	− 1	6·7	7·1	6·9	+0·1†	19	3	1	1	4	1		8	25	N 55° W	N 44° W	42	55	124*	150	18·66	3·56	Seychelles.	
										Observations not received.																					Mauritius.	

* Uncorrected for scale error. ‡ Snow water.

Table B.—Abstract of observations taken at 8 hrs. at 238 stations in India, etc., in December, 1910.

(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 2,000 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	—·016	82·3	—0·7	60·8	—0·1	71·5	—0·4	21·4	31·9	—0·3	—11	86	+ 2	·556	+·006	2·7	—0·3	0·04	0·26	—0·22
Eastern Bengal and Assam	—·011	76·0	—0·2	53·3	—1·0	64·7	—0·6	22·7	31·9	—0·6	—13	87	— 3	·435	—·024	1·4	—0·3	0·11	0·32	—0·21
Bengal	—·004	76·7	—0·2	51·4	—2·1	64·0	—1·2	25·3	35·8	0	— 4	76	— 3	·360	—·040	0·3	—1·1	0	0·15	—0·15
United Provinces of Agra and Oudh.	—·013	73·7	—0·8	45·9	—1·5	59·8	—1·1	27·8	43·0	+0·1	+ 4	71	— 5	·280	—·033	1·2	—0·4	0·02	0·37	—0·35
Punjab	—·004	69·9	—2·0	42·4	—0·2	56·2	—1·1	27·5	46·6	+0·5	+ 3	69	— 4	·223	—·022	2·7	—0·1	0·14	0·46	—0·32
North-West Frontier Province	—·019	67·1	—2·9	39·5	—0·1	53·3	—1·5	27·7	46·8	—0·1	+25	62	— 9	·187	—·025	2·7	—0·5	0·39	0·48	—0·09
Sind	+·002	76·7	—1·5	52·2	0	64·5	—0·7	24·5	47·4	—1·4	+ 4	57	— 2	·285	+·006	2·7	+0·3	0	0·11	—0·11
Rajputana	—·003	77·9	+0·4	48·0	—2·5	62·9	—1·1	29·9	48·4	+0·3	+ 4	50	— 9	·217	—·055	1·4	—0·5	0	0·33	—0·33
Bombay	+·014	84·0	—0·7	57·0	—2·5	70·5	—1·6	27·0	38·1	—0·7	+ 1	58	— 1	·367	—·033	0·7	—0·9	0	0·14	—0·14
Central India	—·004	78·1	+1·1	47·8	—0·3	63·0	+0·5	30·3	44·8	—1·0	0	64	+ 1	·289	—·007	0·5	—0·8	0	0·40	—0·40
Central Provinces	+·008	80·4	+1·0	52·0	+0·1	66·2	+0·5	28·4	36·9	—0·6	— 7	63	+ 1	·320	—·013	0·3	—1·4	0	0·30	—0·30
Hyderabad	+·016	82·6	—1·0	56·3	—2·5	69·4	—1·7	26·4	34·1	—1·2	+31	61	— 1	·383	—·072	0·8	—0·9	0	0·29	—0·29
Mysore	+·013	79·4	—0·7	54·9	—3·8	67·1	—2·3	24·5	29·9	+0·2	0	76	+ 3	·453	—·027	2·1	—1·4	0	0·38	—0·38
Madras	+·021	84·0	—0·6	64·7	—3·0	74·3	—1·8	19·2	25·2	+0·8	— 1	74	— 3	·563	—·079	2·6	—1·2	0·01	2·41	—2·40

Tabl

(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. 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
	I.—Burma.																						
2	Victoria Point	97?	29·820		29·875?	29·918	28th	29·729	3rd	·189													
	Mergui	65	29·919	—·023	29·915	30·046	26th	29·805	3rd	·241	74·3	85·1	—2·2	65·9	—0·8	75·5	—1·5	19·2	88·9	13th	57·4	27th	31·
	Tavoy	19	29·987	—·019	29·938	30·106	26th	29·882	1st	·224	70·7	86·2	—1·5	65·9	+1·1	76·0	—0·2	20·2	90·0	1st	55·3	27th	34·
	Moulmein	94	29·939	—·003	29·973	30·064	28th	29·814	1st	·250	72·5	87·7	+0·5	66·9	0	77·3	+0·3	20·2	92·0	3rd	60·8	19th	31
	Rangoon	18	30·005	—·015	29·961	30·112	25th	29·898	1st	·214	72·0	87·2	—0·1	68·4	+1·1	77·8	+0·5	18·8	90·6	12th	62·9	21st	27·
	Bassein	27?	30·008	+·001	29·972	30·110	28th	29·920	8th	·190	69·6	84·4	0	66·3	+1·2	75·3	+0·6	18·1	88·7	10th	61·9	22nd	26·
	Diamond Island	41	29·975	—·011	29·951	30·069	25th	29·900	1st	·169	78·1	83·9	0	71·5	—0·7	77·7	—0·3	12·4	86·4	7th	68·2	22nd	18·
	Toungoo	164	29·865	—·014	29·977	29·971	25th	29·768	1st	·203	66·2	83·1	—0·9	61·3	—0·8	72·2	—0·9	21·8	86·5	4 days	53·4	31st	33·
	Kyaukpyu	18	30·011		29·969	30·113	25th	29·922	1st	·191	71·6	79·4		65·4		72·4		14·0	82·0	6th & 10th.	60·4	7 days	21·
	Akyab	20	30·027	—·004	29·988	30·134	25th	29·936	1st	·198	63·3	78·8	—2·9	60·9	—3·1	69·9	—3·0	17·9	83·4	5th	56·0	14th	27·
3	Thayetmyo	121	29·926	—·010	29·993	30·038	29th	29·837	10th & 11th.	·201	65·2	81·9	+0·3	56·5	—1·8	70·7	—0·7	28·4	91·0	12th	49·9	22nd & 31st.	41·
	Minbu	*165*	29·891	—·027	30·005	30·010	28th	29·795	11th	·215	64·8	83·8	—0·2	59·1	—0·9	71·4	—0·5	21·7	91·3	12th	53·5	22nd	37·
	Yamethin	657	29·356	—·042	29·989	29·465	28th	29·264	11th	·201	63·2	83·7	—1·3	58·0	+0·8	70·8	—0·3	25·7	89·3	11th	51·5	22nd	37·
	Mandalay	250	29·812	—·007	30·018	29·943	28th	29·704	11th	·239	63·2	85·2	+2·9?	58·3	—1·0	71·7	+0·9?	26·9	90·0	11th	52·1	22nd	37·
	Monywa	*280*	29·812		30·055	29·916	28th	29·695	10th	·251	61·6	81·0		57·8		69·4		23·1	83·3	11th	52·6	29th	30·
	Lashio	*2,820*	27·217	—·038	30·055	27·339	28th	27·101	1st	·238	53·8	73·9	+0·2	49·0	+1·1	61·5	+0·7	24·9	78·3	4th	41·0	22nd	37·
	Bhamo	*381*	29·696	—·014	30·054	29·832	28th	29·573	11th	·259	56·1	75·1	—1·2	52·1	+1·4	63·6	+0·1	23·0	78·9	12th	46·1	20th, 22nd & 23rd.	32·
	Myitkyina	458	29·593		30·036	29·719	28th	29·474	11th	·245	57·1	75·3		51·0		63·1		24·3	80·2	5th	45·0	31st	35·
	II.—Eastern Bengal and Assam.																						
4	Dibrugarh	353	29·729		30·065	29·839	16th	29·609	10th	·23[illegible]	55·8	72·3		52·7		62·5		19·6	77·4	6th	47·1	16th	30·
	Sibsagar	333	29·769	—·016	30·083	29·884	25th	29·636	10th	·248	55·3	71·3	—0·2	50·6	—0·1	61·0	—0·1	20·7	74·6	5th & 6th	45·0	17th	29·
	Tezpur	252	29·847		30·073	29·968	29th	29·705	10th	·263	56·6	75·7		54·6		65·1		21·1	80·1	2nd	50·9	4 days	29·
	Gauhati	195	29·895		30·057	30·009	29th	29·771	10th	·238	57·1	75·5		51·7		63·6		23·8	78·3	6th	46·1	16th	32·
	Dhubri	115	29·971	—·011	30·047	30·097	25th	29·856	10th	·241	59·3	74·5	+0·2	55·7	+0·8	65·1	+0·4	18·8	78·5	7th	51·6	13th & 14th.	26·
	Silchar	104	29·990	+·009	30·052	30·092	25th	29·903	10th	·189	58·3	79·4	—0·3	52·2	—2·8	65·8	—1·5	27·2	82·8	6th & 8th	48·3	4 days	34·
5	Cox's Bazar	36	30·020		30·000	30·114	26th	29·904	1st	·210	62·1¶	78·1¶		55·2		66·6¶		22·9	80·6	21st	51·4	24th	29·
	Chittagong	87	29·972	—·001	30·009	30·073	25th	29·880	8th	·193	59·9	77·8	—0·3	54·0	—4·0	65·9	—2·1	23·8	85·0	7th	48·5	14th	36·
	Noakhali	43	30·034		30·026	30·142	25th	29·944	1st & 8th.	·198	60·9	76·8		53·9		65·3		22·9	79·3	4 days	48·4	14th & 24th.	30·
	Barisal	12	30·049	—·015	30·009	30·153	26th	29·963	1st	·190	61·9	76·8	—0·8	53·7	—2·4	65·2	—1·6	23·1	80·8	12th	47·1	24th	33·
	Comilla	36	30·037		30·021	30·139	29th	29·948	8th	·191	62·5	78·5		54·1		66·3		24·4	80·8	4 days	48·3	14th	32·
	Narayanganj	28	30·046	0	30·022	30·180	25th	29·951	8th	·229	61·5‖	76·8‖	—1·2	56·2‖	—1·1	68·5	—1·1	20·6	80·0	7th	50·8	13th	29·
	Faridpur	46	30·037		30·034	30·148	25th	29·919	8th	·19[illegible]	59·9‖	75·9‖		53·0‖		64·5‖		22·9	80·3	12th	46·9	24th	33·
	Sirajganj	49	30·028		30·029	30·148	25th	29·932	1st	·216	57·9	75·9		54·2		65·0		21·7	79·9	12th	47·8	13th	32·
	Mymensingh	63	30·025	—·001	30·042	30·134	25th & 29th.	29·929	8th	·204	62·3	77·1	+0·9	55·4	+0·8	66·3	+0·9	21·7	80·1	5th	49·6	13th	30·
	Bogra	75	30·001	—·012	30·031	30·115	25th	29·913	10th	·202	59·2	75·8	—1·1	53·4	—0·6	64·6	—0·9	22·4	80·2	12th	46·2	13th	34·
	Rampur Boalia	70	30·017		30·039	30·138	25th	29·923	10th	·215	59·7	76·3		52·9		64·6		23·4	81·1	12th	46·1	25th	35·
	Malda	72	30·013		30·041	30·150	25th	29·904	10th	·24[illegible]	60·4	74·2		50·9		62·6		23·3	76·8	4 days	44·5	13th, 23rd & 25th.	32·
	Dinajpur	123	29·948	—·021	30·033	30·072	25th	29·832	10th	·240	56·4	76·3	—0·6	50·4	—1·0	63·4	—0·8	25·9	79·8	5th & 7th.	45·5	13th	34·
	Rangpur	123	29·958‖		30·044‖	30·081	25th	29·840	10th	·241	59·5	75·3		51·3		63·3		24·0	78·6	7th	44·9	13th	33·

† Mean of 30 days. ‡ Mean of 27 days. ‖ Mean of 29 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.

stations in India, etc., in December, 1910.

Wind direction. Number of winds from Calm. (25)	N. (26)	N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction. (34)	Normal direction. (35)	Wind velocity. Mean velocity, miles per hour. (36)	Normal. (37)	Departure from normal. (38)	Wind steadiness. Actual percentage. (39)	Departure from normal. (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal. (42)	Mean vapour tension at 8 hrs. in inches of mercury. (43)	Departure from normal in inches of mercury. (44)	Cloud. Mean cloud amount at 8 hrs. (45)	Departure from normal. (46)	Rainfall. Number of rainy days. (47)	Normal number of rainy days. (48)	Departure from normal. (49)	Rainfall of month. (50)	Normal rainfall of month. (51)	Departure from normal. (52)	Total rainfall from 1st to 31st December, 1910. (53)	Normal rainfall for period, 1st to 31st December. (54)	Departure from normal of period, 1st to 31st December, 1910. (55)	Heaviest rainfall during month. (56)	Station. (57)
																																I.—Burma.
	4	16	7	3	1				N 59° E					76						5·4												Victoria Point.
									N 45° E	N 14° E	6·8	1·8	+5·0	3	−62	82	+ 8	·687	+·021	1·8	−1·6	5	0·70	+4·30	1·61	0·38	+1·23	1·61	0·38	+1·23	0·57	Mergui.
30		1							N 45° E	N 30° E	1·0*	1·2	−0·2	3	− 8	86	+ 5	·650	+·001	3·2	+0·5	2	0·20	+1·80	1·05	0·06	+0·99	1·05	0·06	+0·99	0·65	Tavoy.
30		1							N 66° E	N 50° E	3·6	2·7	+0·9	56	− 1	83	0	·665	+·020	2·4	−0·1	0	0·20	−0·20	0·04	0·05	−0·01	0·04	0·05	−0·01	0·04	Moulmein.
8	4	6	12		1				N 33° E	N 44° E	2·0†	4·5	−2·5	79	+ 7	81	− 2	·641	+·022	1·9	−0·4	0	0·40	−0·40	0	0·09	−0·09	0	0·09	−0·09	0	Rangoon.
4	10	14	3						N 24° E	N 40° E	3·8	3·5	+0·3	20	−45	86	+ 1	·630	+·025	1·0	−1·9	0	0·50	−0·50	0·01	0·13	−0·12	0·01	0·13	−0·12	0·01	Bassein.
24	4	2	1						N 45° E	N 42° E	8·8	8·9	−0·1	89	+ 3	74	0	·712	+·045	2·5	−0·9	1	0·90	+0·10	0·33	0·70	−0·37	0·33	0·70	−0·37	0·33	Diamond Island.
1	4	22	4						N 9° W	N 10° W	1·4	2·1	−0·7	43	−29	89	0	·558	+·033	3·0	+0·7	0	0·40	−0·40	0	0·17	−0·17	0	0·17	−0·17	0	Toungoo.
16	8	2						5	N 50° E		3·3*			86		82		·613		0·8		0			0			0			0	Kyaukpyu.
2	1	25	1	2					N 36° E	N 18° E	2·7‡	2·4	+0·3	89	+ 7	91	+ 2	·527	−·015	1·2	−1·1	0	0·70	−0·70	0	0·70	−0·70	0	0·70	−0·70	0	Akyab.
2	6	23							N 16° E	N 16° E	3·3*	3·6	−0·3	59	+ 5	83	+ 6	·517	+·023	1·4	−0·3	0	0·40	−0·40	0	0·15	−0·15	0	0·15	−0·15	0	Thayetmyo.
5	9	11	1			2	1	2	N 34° W	N 50° W	2·5	6·9	−4·4	79	+ 5	77	0	·471	−·023	0·9	−1·2	0	0·30	−0·30	0	0·63	−0·63	0	0·63	−0·63	0	Minbu.
4	4	2						21	N 29° W	N 13° W	1·9	3·4	−1·5	69	+28	86	+ 2	·502	−·005	1·4	+0·3	0	0·70	−0·70	0	0·49	−0·49	0	0·49	−0·49	0	Yamethin.
7	9				1			14	N 45° E	N 4° W	2·2	1·9	+0·3	3	−33	87	0	·497	−·037	3·0	+0·6	0	0·70	−0·70	0	0·29	−0·29	0	0·29	−0·29	0	Mandalay.
18	1	1		5	1			5	N 14° W		2·6			76		92		·507		2·3		0	0·30	−0·30	0	0·15	−0·15	0	0·15	−0·15	0	Monywa.
6	15	1						9	N 59° E		2·2*			7		95	+ 2	·400	+·017	5·2	−1·1	0			0	0·66	−0·66	0	0·66	−0·66	0	Lashio.
28		2	1						N	N 1° E	1·1	1·6	−0·5	3	−26	97	+ 4	·442	+·020	6·7	+3·0	0	1·00	−1·00	0	0·42	−0·42	0	0·42	−0·42	0	Bhamo.
30	1								N 66° E		0·8			22		85		·401		4·0		0			0	0·55	−0·55	0	0·55	−0·55	0	Myitkyina.
																																II.—Eastern Bengal and Assam.
28		1	2						N 75° E		0·9			10		96		·422		3·0		4	1·10	+2·60	1·61	0·76	+0·85	1·61	0·76	+0·85	1·00	Dibrugarh.
24	3	2				2			N	N 63° E	1·1	1·6	−0·5	10	−19	99	0	·437	+·019	6·7	+1·4	0	1·90	−1·90	0·06	0·57	−0·51	0·06	0·57	−0·51	0·06	Sibsagar.
28		2	1						N 58° E		2·1			7		91		·417		0·9		0	1·00	−1·00	0	0·43	−0·43	0	0·43	−0·43	0	Tezpur.
30						1			S 45° W		1·5			3		95		·444		5·7		0	0·70	−0·70	0	0·24	−0·24	0	0·24	−0·24	0	Gauhati.
3		12	10	1	1	3		1	N 72° E	N 54° E	4·4	4·6	−0·2	53	−19	88	− 3	·447	0	0	−1·6	0	0·20	−0·20	0	0·07	−0·07	0	0·07	−0·07	0	Dhubri.
19	1	10	1						N 4 E	S 81° E	1·0	1·5	−0·5	37	+39	90	0	·440	−·032	0·9	−3·1	0	0·80	−0·80	0	0·46	−0·46	0	0·46	−0·46	0	Silchar.
6	8	11	4	1			1		N 27° E		2			29		84¶		·468¶		0·6		0			0			0			0	Cox's Bazar.
	8	13	1	1				8	N 13° E	N 32° E	2·2	2·8	−0·6	76	+ 2	87	− 3	·453	−·060	0·3	−2·2	0	0·81	−0·81	0	0·85	−0·85	0	0·85	−0·85	0	Chittagong.
3	17	11							N 18° W		2·1			87		88		·469		0·3		0	0·48	−0·48	0	0·38	−0·38	0	0·38	−0·38	0	Noakhali.
25	3	2						1	N 8° E	N 11° E	0·7	1·6	−0·9	17	− 1	82	− 5	·448	−·059	0·5	−0·7	0	0·52	−0·52	0	0·60	−0·60	0	0·60	−0·60	0	Barisal.
1									(a)		0·7					85		·485		0		0	0·45	−0·45	0	0·22	−0·22	0	0·22	−0·22	0	Comilla.
7	8	1	2			2	2	9	N 27° W	N 5° W	1·2	2·1	−0·9	53	+ 6	83	− 4	·453	−·033	0·5	−1·8	0	0·44	−0·44	0	0·16	−0·16	0	0·16	−0·16	0	Narayanganj.
17	4				3		1	6	N 45° W		1·5			26		85‖		·438‖		0		0	0·26	−0·26	0	0·08	−0·08	0	0·08	−0·08	0	Faridpur.
7	1	2	1	1		1	10	8	N 62° W		1·6*			45		87		·419		1·5		0	0·39	−0·39	0	0·11	−0·11	0	0·11	−0·11	0	Sirajganj.
29			1			1			S 23° E	N 26° E	0·2	1·0	−0·8	2	−30	85	− 6	·477	+·008	5·0	+3·5	0	0·26	−0·26	0	0·05	−0·05	0	0·05	−0·05	0	Mymensingh.
7	4								N	N 1° W	1·0	1·4	−0·4	13	−22	76	− 9	·387	−·044	1·3	+1·1	0	0·23	−0·23	0	0·02	−0·02	0	0·02	−0·02	0	Bogra.
1									(a)		0·2*					77		·403		0		0	0·22	−0·22	0	0·06	−0·06	0	0·06	−0·06	0	Rampur Boalia.
2	2		1			3	4	18	N 47° W		3·6*			65		80		·420		0·1		0	0·19	−0·19	0	0·24	−0·24	0	0·24	−0·24	0	Malda.
6	3		1			5	3	2	N 76° W	N 12° W	1·5§	1·9	−0·4	23	−31	88	+ 2	·406	−·004	0·2	−0·5	0	0·32	−0·32	0	0·04	−0·04	0	0·04	−0·04	0	Dinajpur.
2	2		9	1		1	3	2	N 50° E		1			52		83		·428		0		0	0·23	−0·23	0	0·09	−0·09	0	0·09	−0·09	0	Rangpur.

* Uncorrected for scale error.

(a) Indeterminate.

§ Mean of 20 days.

¶ " " 16 "

Table

(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. 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
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	29·778	−·037	30·037	29·903	25th	29·657	10th	·246	56·1	76·9	+1·7	53·2	+0·3	65·1	+1·0	23·7	80·4	4th & 8th.	47·9	12th	32·5
	Cooch Behar	156	29·925		30·047	30·045	25th	29·801	10th	·244	56·0	75·4		53·5		64·4		21·9	78·8	4th	48·6	12th	30·2
	III.—Bengal.																						
6	Saugor Island	25	30·060	−·006	30·031	30·167	26th	29·968	11th	·199	61·8	77·1	+0·8	57·1	−2·0	67·1	−0·6	20·0	80·0	8th & 13th.	49·0	24th	31·1
	Midnapore	149	29·936		30·041	30·042	25th	29·838	11th	·204	59·6	80·2		53·2		66·7		27·0	85·3	12th	45·7	23rd.	39·6
	Calcutta	21	30·075	+·002	30·044	30·183	25th	29·975	11th	·208	58·1	77·7	+1·2	53·3	−2·7	65·5	−0·7	24·4	1·	12th & 21st.	45·5	24th	35·7
	Jessore	33	30·050	0	30·032	30·173	25th	29·962	1st	·211	60·0	76·6	−1·0	51·0	−3·9	63·8	−2·5	25·6	80·0	12th	43·7	23rd	36·3
	Krishnagar	47	30·044		30·044	30·155	25th	29·947	11th	·208	56·9	77·3		51·8		64·6		25·5	82·4	12th	45·0	23rd	37·9
	Burdwan	99	29·993	−·007	30·045	30·105	25th	29·891	11th	·214	58·4	78·9	+0·7	53·8	−2·2	66·3	−0·7	25·1	84·4	12th & 21st.	46·8	23rd	37·6
	Bankura	313	29·768		30·050	29·870	25th	29·667	11th	·203	59·2	78·2		52·1		65·2		26·1	83·6	12th	44·7	23rd	38·1
	Raniganj	334	29·756		30·067	29·870	25th	29·647	11th	·223	55·8	78·5		51·6		65·0		26·9	82·5	7th, 12th & 21st.	44·0	23rd	38·5
	Berhampore	67	30·028	−·002	30·048	30·148	25th	29·919	11th	·229	56·9	75·6	−0·9	53·5	−1·8	64·5	−1·3	22·1	80·6	12th	47·2	23rd	33·4
	Naya Dumka	489	29·581‡		30·063‡	29·706	25th	29·466	3rd	·240	57·3	75·6		49·0		62·3		26·6	80·4	21st	43·0	22rd	37·9
7	Balasore	50	30·051	−·006	30·049	30·156	26th	29·951	11th	·205	59·0	80·1	+0·1	52·8	−2·2	66·4	−1·1	27·3	84·4	12th	48·6	4 days	35·1
	False Point	21	30·073	+·001	30·037	30·174	26th	29·991	1st	·183	62·2	78·5	+0·6	53·5	−3·8	66·0	−1·6	25·0	84·7	21st	48·6	24th	36·1
	Cuttack	80	30·028	+·016	30·054	30·141	26th	29·948	1st	·193	61·2	79·6	−2·5	56·4	−2·3	68·0	−2·4	23·2	83·4	7th & 8th	53·2	1st & 15th.	30·1
	Puri	24	30·078		30·041	30·178	26th	29·997	2nd	·181	64·7	80·9		60·3		70·6		20·6	84·6	7th	56·6	23rd	28·1
	Angul	155	29·635		30·079	29·736	26th	29·555	11th	·181	59·3	80·0		52·2		66·0		27·8	84·1	7th	47·0	23rd	37·7
	Sambalpur	486	29·622	+·012	30·085	29·719	26th	29·546	18th	·173	59·4	79·6	−0·2	51·6	−2·4	65·6	−1·3	28·0	83·1	7th	46·1	23rd	27·1
8	Chaibassa	*733*	29·324	−·014	30·059	29·437	25th	29·230	th	·207	53·0	79·1	−0·2	48·9	−2·3	64·0	−1·3	30·2	82·6	7th	44·8	22nd	37·1
	Ranchi	2,128	27·901	−·007	30·055	28·004	25th	27·824	11th	·180	55·9	73·3	−0·4	50·5	−0·1	61·9	−0·3	22·8	78·2	7th	45·4	14th	32·1
	Purulia	*816*	29·248‡		30·066‡	29·352	29th	29·146	11th	·206	55·3	79·4		50·7		65·1		28·7	83·5	12th	45·1	22nd	38·
	Hazaribagh	2,007	28·024	−·004	30·046	28·112	25th & 28th.	27·940	1st	·172	59·9	72·4	+0·2	49·7	−0·8	61·0	−0·3	22·7	77·7	7th	44·3	22nd	33·
	Daltonganj	*730*	29·69P		30·118P	29·475	25th	29·277	1st & 10th.	·198	48·8	77·4		44·2		60·8		33·2	83·6	7th	37·0	23rd	46·
9	Purnea	134	29·955	−·009	30·052	30·077	28th	29·840	10th	·237	53·5	75·0	−0·8	48·3	−1·4	61·7	−1·1	26·7	78·5	4th	41·7	13th	36·
	Bhagalpur	160	29·925		30·046	30·054	25th	29·808	11th	·246	58·5	75·4		49·3		62·3		26·1	78·7	11th	41·8	23rd & 24th.	36·
	Monghyr	155	29·943		30·060	30·061	25th	29·820	10th	·241	58·8	74·0		51·7		62·8		22·3	77·7	11th	42·4	13th	35·
	Darbhanga	165	29·922	−·010	30·053	30·041	25th & 29th.	29·806	11th	·235	55·7	75·0	+0·5	49·9	−3·8	62·5	−1·7	25·1	77·6	3rd, 7th & 8th.	44·3	23rd	33·
	Pusa	188	29·902		30·058	30·026	25th	29·784	11th	·242	54·1	75·4		48·1		61·8		27·3	78·6	11th	41·8	23rd	36·
	Muzaffarpur	177	29·919		30·065	30·043	25th	29·79	10th	·244	56·3	73·9		48·8		61·4		25·1	77·7	11th	43·0	23rd	34·
	Motihari	221	29·857		30·054	29·992	25th	29·726	10th	·266	53·1	73·6		50·2		61·9		23·4	76·6	4 days	45·3	13th & 22nd.	31·
	Chapra	181	29·904		30·053	30·020	28th	29·778	10th	·242	54·0	74·4		50·3		62·4		24·1	78·8	7th & 11th.	44·3	23rd	34·
	Patna	183	29·911	−·021	30·060	30·032	25th	29·782	10th	·250	57·1	73·0	−1·2	51·0	−0·6	62·0	−0·9	22·0	77·0	7th & 11th.	45·2	13th	31·
	Arrah	190	29·892§		30·049§	30·004	28th	29·768	10th	·236	55·3	74·5		48·9		61·7		25·6	79·1	11th	44·3	23rd & 25th.	34·
	Buxar	239	29·843		30·056	29·953	28th	29·726	10th	·227	54·8	75·2		49·9		62·5		25·3	82·0	7th	44·1	23rd	37·
	Dehri	351	29·735		30·066	29·841	28th	29·629	10th	·212	56·6	76·4		52·3		64·4		24·1	82·3	7th	46·5	23rd	35·
	Gaya	372	29·715	−·016	30·067	29·829	25th	29·606	10th	·223	55·7	76·0	−0·2	50·2	−1·3	63·1	−0·7	25·8	82·4	7th	45·2	14th, 23rd & 24th.	37·
	IV.—United Provinces of Agra and Oudh.																						
10	Gorakhpur	257	29·810	−·020	30·043	29·936	28th	29·685	10th	·251	53·7	72·6	−1·6	48·4	−2·0	60·5	−1·8	24·2	77·6	11th	42·3	23rd	35·
	Benares	267	29·830	−·004	30·068	29·945	28th	29·721	10th	·224	55·3	75·3	+0·3	46·0	−2·2	60·6	−0·9	29·3	80·6	6th, 7th & 11th.	39·6	28th	41·
	Allahabad	308	29·772	−·022	30·060	29·878	25th	29·682	10th	·216	53·5	74·8	−0·9	46·3	−1·5	60·5	−1·2	28·5	81·1	7th	40·5	28th	40·

N.B.—Elevations in italics indicate barometrical determinations. § Mean of 20 days. ‡ Mean of 29 days.

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

B—*continued.*

in India, etc., in December, 1910—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, 1910.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December, 1910.	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.*
21	3	1	1	1				4	N 4° W	N 12° E	1·2			19	−35	87	− 2	·337	−·035	1·9	+0·9	0	0·23	− 0·23	0	0·04	− 0·04	0	0·04	− 0·04	0	Jalpaiguri.
28			2	1					S 72° E		1·0			10		92		·414		1·0		0	0·27	−.0·27	0	0·08	− 0·08	0	0·08	− 0·08	0	Cooch Behar.
																																III.—Bengal.
	18	9				1		3	N 8° E	N 15° E	6·7	7·1	−0·4	86	+ 4	88	0	·484	−·039	0·4	−2·1	0	0·58	− 0·58	0	0·33	− 0·33	0	0·33	− 0·33	0	Saugor Island.
7	17	1				1	2	3	N 12° W		1·6			65		62		·317		0·1		0	0·28	− 0·28	0	0·20	− 0·20	0	0·20	− 0·20	0	Midnapore.
6	4	2	1			3	1	14	N 39° W	N 4° W	2·9*	2·5	+0·4	56	+ 6	83	+ 2	·406	−·036	0·2	−0·9	0	0·38	− 0·38	0	0·22	− 0·22	0	0·22	− 0·22	0	Calcutta.
27	3							1	N 11° W	N 11° W	0·5	1·5	−1·0	13	−26	77	− 9	·405	−·053	0·2	−1·0	0	0·35	− 0·35	0	0·18	− 0·18	0	0·18	− 0·18	0	Jessore.
25	1						1	4	N 45° W		0·9			19		82		·384		0		0	0·16	− 0·16	0	0·10	− 0·10	0	0·10	− 0·10	0	Krishnagar.
11	2	1					6	11	N 51° W	N 22° W	1·4	1·6	−0·2	56	+17	70	− 1	·348	−·037	0·1	−1·3	0	0·23	− 0·23	0	0·11	− 0·11	0	0·11	− 0·11	0	Burdwan.
24								7	N 45° W		2·6			26		59		·295		0		0	0·34	− 0·34	0	0·13	− 0·13	0	0·13	− 0·13	0	Bankura.
19	1						3	8	N 52° W		1·5			35		79		·316		0		0	0·26	− 0·26	0	0·08	− 0·08	0	0·08	− 0·08	0	Raniganj.
20	1				1	4	4	1	S 74° W	N 41° W	1·1	1·4	−0·3	23	−17	81	− 5	·375	−·061	0·2	−1·2	0	0·34	− 0·34	0	0·11	− 0·11	0	0·11	− 0·11	0	Berhampore.
31									†		1·3					67		·319		0		0	0·33	− 0·33	0	0·16	− 0·16	0	0·16	− 0·16	0	Naya Dumka.
17	3	1				1	1	8	N 38° W	N 25° W	0·7	2·1	−1·4	37	−35	73	− 9	·362	−·085	0·5	−1·6	0	0·52	− 0·52	0	0·18	− 0·18	0	0·18	− 0·18	0	Balasore.
5	8	1						17	N 29° W	N 17° W	3·5	5·8	−2·3	79	− 7	82	− 2	·460	−·055	1·2	−1·3	0	0·68	− 0·68	0	0·69	− 0·69	0	0·69	− 0·69	0	False Point.
21						6	4		S 63° W	N 48° W	1·0*	1·2	−0·2	30	+16	80	+ 5	·438	−·009	1·0	−0·9	0	0·58	− 0·58	0	0·27	− 0·27	0	0·27	− 0·27	0	Cuttack.
	30							1	N 14° W		6·1			13		80		·488		0·6		0	0·61	− 0·61	0	0·65	− 0·65	0	0·65	− 0·65	0	Puri.
2							4	25	N 51° W		4·5			90		76		·385		0		0			0			0			0	Angul.
	1	5	2	2	11	5	1	4	S 3° W	N 16° E	3·8	2·5	+1·3	28	−53	74	0	·380	−·026	0·5	−1·2	0	0·30	− 0·30	0	0·24	− 0·24	0	0·24	− 0·24	0	Sambalpur.
14					6	7	4		S 39° W	S 68° W	1·8	1·0	+0·8	46	+ 6	83	+ 3	·336	−·039	0·4	−1·0	0	0·65	− 0·65	0	0·10	− 0·10	0	0·10	− 0·10	0	Chaibassa.
11						1	11	8	N 74° W	N 68° W	6·6	4·3	+2·3	56	+17	58	− 7	·258	−·051	0·3	−0·9	0	0·48	− 0·48	0	0·09	− 0·09	0	0·09	−0·09	0	Ranchi.
4	1						15	11	N 69° W		2·9			78		71		·316		0		0	0·29	− 0·29	0	0·18	− 0·18	0	0·18	− 0·18	0	Purulia.
5	1			1	4	2	8	10	N 82° W	N 86° W	5·5	5·2	+0·3	53	+13	48	−17	·248	−·062	0	−1·4	0	0·52	− 0·52	0	0·20	− 0·20	0	0·20	− 0·20	0	Hazaribagh.
24			3	3		1			S 53° E		2·2			16		87		·303		0		0	0·55	− 0·55	0	0·29	− 0·29	0	0·29	− 0·29	0	Daltonganj.
27							3	1	N 79° W	S 88° W	0·9	1·5	−0·6	13	− 6	88	− 3	·359	−·024	0	−0·9	0	0·23	− 0·23	0	0·10	− 0·10	0	0·10	− 0·10	0	Purnea.
25					1	4	1		S 45° W		1·9			19		73		·359		0		0	0·26	− 0·26	0	0·07	− 0·07	0	0·07	− 0·07	0	Bhagalpur.
8				2		6	15		S 72° W		3·0			61		81		·405		0·1		0			0			0			0	Monghyr.
12				1	2	7	6	3	S 66° W	N 86° W	1·7	2·0	−0·3	43	+13	90	+ 4	·401	−·008	0	−0·5	0	0·23	− 0·23	0	0·07	− 0·07	0	0·07	− 0·07	0	Darbhanga.
11	1		1	5	1	9	2	1	S 29° W		2·3			32		84		·367		0·7		0			0			0			0	Pusa.
25						2	3	1	S 79° W		3·5*			16		81		·364		0·1		0	0·19	− 0·19	0	0·07	− 0·07	0	0·07	− 0·07	0	Muzaffarpur.
30							1		W		0·2			3		89		·361		1·1		0	0·47	− 0·47	0	0·14	− 0·14	0	0·14	− 0·14	0	Motihari.
									P		P			P		83		·345		0		0	0·29	− 0·29	0	0·09	− 0·09	0	0·09	− 0·09	0	Chapra.
12			1		4	8	6		S 48° W	S 78° W	3·1	1·9	+1·2	49	− 5	73	− 2	·344	−·028	0·3	−0·6	0	0·35	− 0·35	0	0·10	− 0·10	0	0·10	− 0·10	0	Patna.
9					3	9	9	1	S 61° W		2·6			58		73		·325		1·0		0	0·35	− 0·35	0	0·13	− 0·13	0	0·13	− 0·13	0	Arrah.
6			2	1	3	13	6		S 45° W		4·7			58		75		·324		0·5		0	0·45	− 0·45	0	0·20	− 0·20	0	0·20	− 0·20	0	Buxar.
3					2	24	1	1	S 47° W		3·6			84		71		·326		0		0	0·44	− 0·44	0	0·32	− 0·32	0	0·32	− 0·32	0	Dehri.
22					3	3	3		S 45° W	S 10° W	2·9	2·4	+0·5	27	− 5	72	+ 1	·322	−·020	0·3	−1·2	0	0·35	− 0·35	0	0·17	− 0·17	0	0·17	− 0·17	0	Gaya.
																																IV.—United Provinces of Agra and Oudh.
19						5	6	1	S 74° W	N 69° W	1·2	1·1	+0·1	33	+ 1	81	0	·341	−·033	0·4	−0·6	0	0·40	− 0·40	0	0·14	− 0·14	0	0·14	− 0·14	0	Gorakhpur.
22				1		4	4		S 60° W	S 56° W	1·3	2·3	−1·0	23	− 6	77	− 7	·336	−·019	0·3	−1·0	0	0·40	− 0·40	0	0·21	− 0·21	0	0·21	− 0·21	0	Benares.
11			1			7	10	2	S 77° W	N 76° W	2·8	3·0	−0·4	49	+20	72	− 5	·294	−·059	0·7	−0·6	0	0·50	− 0·50	0	0·24	− 0·24	0	0·24	− 0·24	0	Allahabad.

† Indeterminate.

* Uncorrected for scale error.

Ta

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

Number of subdivision.	Station.	Elevation of barometer 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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
	IV.—United Provinces of Agra and Oudh—*concld.*																						
10	Cawnpore	416	29·654	—·024	30·058	29·761	26th	29·550	10th	·211	52·0	75·9	—0·4	44·2	—3·4	60·1	—1·9	31·7	85·7	6th	37·5	28th	
	Lucknow	368	29·719	—·063	30·072	29·833	28th	29·619	10th	·214	53·1	75·5	—0·2	45·1	—1·1	60·3	—0·7	30·4	83·5	6th	39·1	22nd & 28th.	
	Bahraich	401	29·667	—·010	30·059	29·796	28th	29·544	11th	·252	51·3	73·6	—1·4	46·2	—1·8	59·9	—1·6	27·4	79·1	7th	40·5	22nd & 23rd.	
11	Jhansi	824	29·275P	+·003P	30·101P	29·334	26th	29·126	18th	·238	59·6	79·1	+0·7	51·3	—0·6	65·3	+0·1	27·8	88·5	6th	37·0	22nd	
	Agra	556	29·524	—·019	30·080	29·652	26th	29·375	18th	·277	53·1	75·3	—0·8	47·8	—1·0	61·5	—0·9	27·5	84·0	2nd & 6th.	39·0	25th	
	Mainpuri	516	29·560	—·010	30·077	29·679	26th	29·445	18th	·234	49·1	75·0	—0·1	45·0	—2·3	60·0	—1·2	30·0	83·8	6th	36·1	22nd	
	Bareilly	568	29·483	—·018	30·055	29·622	26th	29·374	11th	·248	51·3	71·9	—0·9	45·9	—0·1	58·9	—0·5	26·0	80·3	6th	39·5	22nd	
	Meerut	733	29·334	+·002	30·093	29·480	26th	29·215	18th	·265	47·5	70·7	—2·2	42·1	—2·6	56·4	—2·4	28·6	79·1	6th	33·8	26th	
	Roorkee	899	29·150	—·001	30·087	29·277	26th	29·053	11th	·224	48·3	69·6	—2·8	42·7	—0·6	56·1	—1·8	26·9	79·0	6th	35·4	26th	
	Dehra Dun	2,233	27·767	—·026	30·072	27·893	28th	27·662	11th	·231	49·4	68·8	+0·1	45·7	+0·1	57·2	+0·1	23·1	75·0	6th	38·0	26th	
	V.—Punjab.																						
12	Delhi	718	29·348	—·009	30·081	29·487	26th	29·229	18th	·258	51·1	72·2	—1·5	48·3	—0·6	60·3	—1·1	23·9	80·5	6th	40·2	26th	
	Sirsa	662																					
	Patiala	*818*	29·248		30·102	29·388	20th	29·119	18th	·269	48·5	69·8		44·2		57·0		25·6	79·3	5th	33·8	24th	
	Ambala	892	29·152	—·008	30·082	29·285	26th	29·052	18th	·233	48·9	72·0	—0·1	43·6	+0·1	57·8	0	28·4	79·5	4 days	34·9	24th	
	Ludhiana	812	29·249	+·004	30·096	29·385	26th	29·133	18th	·252	48·0	69·7	—1·3	44·4	+0·4	57·1	—0·5	25·3	79·0	5th	35·0	24th	
	Lahore	702	29·365	—·008	30·103	29·530	26th	29·250	18th	·280	43·6	71·1	—2·1	40·2	—0·1	55·7	—1·1	30·9	81·4	5th	29·2	23rd	
	Sialkot	830	29·237	+·010	30·110	29·398	26th	29·115	18th	·283	46·2	67·1	—3·0	39·5	—3·0P	53·3	—3·0P	27·6	76·0	2nd & 7th.	28·5	23rd	
	Rawalpindi	1,674	28·370	—·016	30·154	28·530	26th	28·257	18th & 19th.	·273	41·5	64·2	—3·4	36·5	—0·6	50·4	—2·0	27·7	73·9	1st & 4th.	29·4	12th & 23rd.	
13	Khushab	612	29·484	—·003	30·117	29·656	26th	29·362	18th	·294	43·8	71·2	—0·5P	40·4	—1·5	55·8	—1·0P	30·8	79·4	4 days	28·9	23rd	
	Montgomery	558	29·535	—·005	30·109	29·692	26th	29·419	18th	·273	48·6	70·8	—2·1	41·7	—1·3	56·3	—1·7	29·1	79·4	4th	29·5	24th	
	Multan	420	29·697	0	30·117	29·839	20th	29·577	18th	·262	50·7	70·6	—3·3	45·3	+0·9	58·0	—1·2	25·3	78·8	1st & 4th.	32·0	23rd	
	VI.—North-West Frontier Province.																						
15	Peshawar	1,110	28·979	—·018	30·165	29·156	20th	28·841	18th	·315	42·2	65·0	—2·5	37·8	—1·2	51·4	—1·9	27·2	74·2	7th	28·4	23rd	
	D. I. Khan	590	29·512	—·020	30·126	29·661	20th	29·390	18th	·271	46·3	69·2	—3·3	41·1	+1·0	55·1	—1·1	28·1	76·9	2nd & 6th.	29·1	23rd	
	VII.—Sind.																						
17	Jacobabad	186	29·931	—·006	30·091	30·092	21st	29·811	3rd	·281	52·1	74·6	—2·1	45·5	+1·5	60·1	—0·3	29·1	86·1	2nd	31·3	23rd	
	Hyderabad	96	30·030	—·001	30·083	30·177	21st	29·917	3rd	·260	57·2	77·6	—1·5	51·8	—0·3	64·8	—0·8	25·7	90·0	3rd	38·5	24th	
	Karachi	13	30·123	+·012	30·087	30·271	21st	30·020	1st	·251	62·5	77·9	—0·8	59·1	—1·1	68·5	—0·9	18·8	84·0	6th & 7th.	48·0	24th & 25th.	
	VIII.—Rajputana.																						
18	Bikaner	*771*	29·299	—·020	30·089	29·443	26th	29·176	18th	·267	51·5	75·2	—0·1	47·1	—4·2	61·2	—2·1	28·1	88·0	5th	35·0	24th	
	Jodhpur	780	29·303	+·008	30·089	29·407	21st	29·147	18th	·260	56·1	79·5	—0·7	49·8	—3·4	64·6	—2·1	29·7	87·5	16th	39·3	19th	
19	Jaipur	1,431	28·633	—·015	30·104	28·742	26th	28·465	18th	·277	54·7	77·8	+0·1	47·9	—1·2	62·9	—0·5	29·9	85·2	4 days	36·1	22nd	
	Sambhar	1,254	28·820	+·003	30·121	28·931	26th	28·663	18th	·268	50·0	77·4	+1·4	43·5	—3·0	60·3	—0·8	24·1	87·4	5th	32·9	24th	
	Ajmer	1,611	28·466	—·005	30·135	28·573	26th	28·305	18th	·268	49·9	75·5	—0·8	47·8	+2·2?	61·7	+0·7P	27·7	83·4	5th	39·7	22nd	
	Kotah	819?	29·245P	—·006P	30·064P	29·314	26th	29·078	18th	·266	59·5	80·1	+0·6	53·2	—1·0	66·7	—0·2	26·9	88·0	1st	45·1	21st	
	Udaipur	1,925	28·150	+·013	30·109	28·237	26th	27·993	18th	·244	57·2	79·5	+1·1	46·8	—2·3	63·1	—0·6	32·7	86·0	6th	38·8	21st	
	IX.—Bombay.																						
20	Deesa	466	29·614	+·002	30·061	29·699	26th	29·524	18th	·175	57·5	86·1	+0·7	49·9	—2·8	68·0	—1·1	36·2	91·8	5th	37·9	19th	
	Bhuj	395	29·701	+·016	30·068	29·807	26th	29·627	18th	·180	62·2	81·6	—0·6	54·6	—1·5	68·1	—1·1	27·0	90·0	3rd	44·5	22nd	

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 December, 1910—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, 1910.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December, 1910.	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.*
4		2		1			4	8	2	S 86° W	N 82° W	2·2	2·4	−0·2	33	+ 4	69	− 8	·270	−·054	0·3	−1·0	0	0·60	−0·60	0	0·17	− 0·17	0	0·17	− 0·17	0	Cawnpore.
9			1				4	5	2	S 83° W	N 76° W	1·7	1·7	0	27	− 2	69	−13	·282	−·052	0·5	−1·1	0	0·80	−0·80	0	0·38	− 0·38	0	0·38	− 0·38	0	Lucknow.
6	1			1	1		6	6		N 69° W	N 51° W	1·9	1·5	+0·4	30	+ 6	86	+ 4	·332	−·019	1·6	+0·8	0	0·70	−0·70	0	0·34	− 0·34	0	0·34	−0·34	0	Bahraich.
9	1	1	1		2	3	2	2		S 75° W	N 79° W	3·0*	2·0	+1·0	13	− 5	45	−12	·235	−·058	0·9	−0·2	0	0·80	−0·80	0	0·24	− 0·24	0	0·24	−0·24	0	Jhansi.
8		1	3	3		1	7	8		N 64° W	N 61° W	3·3	2·9	+0·4	23	−13	59	− 9	·243	−·042	1·8	+0·3	0	0·60	−0·60	0	0·29	− 0·29	0	0·29	−0·29	0	Agra.
5	1	2	1	2	1	6	10	3		S 80° W	N 66° W	1·5	1·1	+0·4	43	+19	70	− 3	·247	−·044	0	−2·3	0	0·60	−0·60	0	0·34	− 0·34	0	0·34	−0·34	0	Mainpuri.
9							2			W	N 44° W	0·3	1·6	−1·3	6	− 8	73	− 8	·285	−·021	1·9	+0·5	0	0·64	−0·64	0	0·33	− 0·33	0	0·33	−0·33	0	Bareilly.
3		1	1	1			6	9		N 58° W	S 89° W	3·0	1·5	+1·5	40	+12	69	− 6	·233	−·028	2·3	+0·3	1	0·90	+0·10	0·63	0·48	+ 0·15	0·63	0·48	+0·15	0·63	Meerut.
3								8		N 45° W	N 33° W	2·1	1·4	+0·7	27	+20	80	− 4	·274	−·005	2·2	+0·1	0	1·30	−1·30	0·06	0·61	− 0·55	0·06	0·61	−0·55	0·05	Roorkee.
1										(a)	S 76° W	1·1†	1·2	−0·1			76	+ 1	·270	+·002	3·2	−0·5	1	1·40	−0·40	0·23	0·80	− 0·57	0·23	0·80	−0·57	0·20	Dehra Dun.
																																V.—Punjab.
6			1	3		2	14	5		W	N 87° W	3·3	2·5	+0·8	51	+ 7	62	+ 1	·235	−·015	1·8	−0·6	0	1·10	−1·10	0	0·53	− 0·53	0	0·53	−0·53	0	Delhi.
																							0	0·80	−0·80	0·04	0·31	− 0·27	0·04	0·31	−0·27	0·04	Sirsa.
7	3		1	2			10	8		N 62° W		5·4			45		86		·244		1·9		2			0·29			0·29			0·19	Patiala.
5	5		3	1			1	6		N 10° W	N 44° W	3·5	1·5	+2·0	30	+10	74	− 8	·256	−·021	2·8	+0·4	1	1·20	−0·20	0·62	0·82	− 0·20	0·62	0·82	−0·20	0·57	Ambala.
0								1		N 45° W	N 47° W	0·3	1·3	−1·0	3	−14	68	− 8	·235	−·025	2·0	−1·8	1	0·90	+0·10	0·43	0·78	− 0·35	0·43	0·78	−0·35	0·36	Ludhiana.
7		2		1			8	3		N 70° W	N 58° W	1·5	1·3	+0·2	27	+20	76	− 2	·221	−·031	2·9	0	1	0·90	+0·10	0·16	0·38	− 0·22	0·16	0·38	−0·22	0·14	Lahore.
7	1	5	3			1	2	2		N 25° E	N 63° E	1·2	0·9	+0·3	20	+13	83	+ 9	·264	+·017	2·9	+0·3	1	1·10	−0·10	0·28	0·52	− 0·24	0·28	0·52	−0·24	0·17	Sialkot.
5	1	1	1				1	1		N	N 41° W	1·7	1·3	+0·4	8	− 6	75	+ 1	·198	−·012	4·3	+0·7	2	1·60	+0·40	1·08	0·74	+ 0·34	1·08	0·74	+0·34	0·67	Rawalpindi.
1	1	4	2	1	2	6	1	3		S 59° W	N 27° E	2·9	2·1	+0·8	7	− 7	48	−12	·168	−·031	3·2	+0·5	0	0·40	−0·40	0·07	0·54	− 0·47	0·07	0·54	−0·47	0·07	Khushab.
2	4	1	3	2			3	6		N 16° W	N 68° E	3·4	2·6	+0·8	27	+ 9	53	−12	·186	−·044	2·5	−0·2	0	0·60	−0·60	0·01	0·42	− 0·41	0·01	0·42	−0·41	0·01	Montgomery.
1	6			1						N 8° E	N 53° E	0·9	1·1	−0·2	17	− 1	61	− 9	·228	−·033	2·4	−0·1	1	0·70	+0·30	0·13	0·19	−0·06	0·13	0·19	−0·06	0·11	Multan.
																																VI.—North-West Frontier Province.
0			1	4	11	5				S 1° E	S 16° W	2·0	2·3	−0·3	56	+27	61	− 9	·170	−·035	3·3	−0·5	0	1·10	−1·10	0·13	0·33	−0·20	0·13	0·33	−0·20	0·08	Peshawar.
7	2	3				1	2	6		N 33° W	N 32° W	1·0	0·8	+0·2	33	+22	63	− 8	·203	−·014	2·1	−0·5	0	0·80	−0·80	0·07	0·21	−0·14	0·07	0·21	−0·14	0·05	D.I. Khan.
																																VII.—Sind.
1		3	1					6		N 10° W	N 7° E	1·1	1·6	−0·5	20	+ 6	57	− 6	·230	−·011	2·5	−0·3	0	0·40	−0·40	0	0·09	−0·09	0	0·09	−0·09	0	Jacobabad.
3	15	1				1		6		N 12° W	N 2° E	4·6	7·0	−2·4	66	+10	57	+ 3	·280	+·014	3·7	+1·4	0	0·20	−0·20	0	0·05	−0·05	0	0·05	−0·05	0	Hyderabad.
1	7	16	4					3		N 33° E	N 51° E	7·1	8·4	−1·3	79	− 3	57	− 4	·344	+·015	1·9	−0·3	1	0·40	+0·60	0·10	0·13	−0·03	0·10	0·13	−0·03	0·10	Karachi.
																																VIII.—Rajputana.
9	4	6	2		1	3	4	2		N 11° W	N 4° W	3·8	3·3	+0·5	23	+ 1	43	−13	·167	−·074	2·8	+0·2	0	0·40	−0·40	0	0·17	− 0·17	0	0·17	−0·17	0	Bikaner.
0	6	15								N 32° E		3·0			66		37	− 6	·172		1·8		0	0·50	−0·50	0	0·15	− 0·15	0	0·15	−0·15	0	Jodhpur.
5	5	5	5			1				N 45° E	N 2° W	3·3†	2·9	+0·4	37	+15	50	−12	·228	−·041	1·4	−0·8	0	0·70	−0·70	0	0·19	− 0·19	0	0·19	−0·19	0	Jaipur.
0	1									N	N 45° E	2·8	3·3	−0·5	3	−15	52	−12	·192	−·056	1·0	−1·2	0	0·80	−0·80	0	0·35	− 0·35	0	0·35	−0·35	0	Sambhar.
1	3		1		1			5		N 25° W	N 21° E	2·5	1·6	+0·9	20	+16	62	−12	·228	−·047	1·7	−0·4	0	0·60	−0·60	0	0·27	− 0·27	0	0·27	−0·27	0	Ajmer.
7					1	1	2			S 57° W		1·6			10		52	− 6	·270		0·8		0	0·80	−0·80	0	0·36	− 0·36	0	0·36	−0·36	0	Kotah.
										(a)		1·3					56	+ 1	·264		0·5		0	0·50	−0·50	0	0·13	− 0·13	0	0·13	−0·13	0	Udaipur.
																																IX.—Bombay.
																	46	− 1	·222	−·039	0·4	−1·4	0	0·09	−0·09	0	0·06	− 0·06	0	0·06	−0·06	0	Deesa.
	1	4	3			2	4	6		N 30° W	N 15° W	5·5	5·8	−0·3	30	+23	53	− 2	·315	−·026	2·1	+0·5	0	0·20	−0·20	0	0·07	− 0·07	0	0·07	−0·07	0	Bhuj.

* Mean of 30 days. (a) Indeterminate. † Uncorrected for scale error.

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

Number of subdivision.	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 constant and to 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.
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	30·055		30·061	30·138	21st	29·990	18th	·148	66·7	80·9		53·3		67·1		27·6	88·6	16th	45·3	27th
	Dwarka	37 ?	30·074		30·058	30·176	26th	30·002	18th	·174	67·8	78·7		60·1		69·4		18·6	85·8	15th	53·2	25th & 26th.
	Rajkot	429	29·653	+·015	30·053	29·739	26th	29·594	18th	·145	61·7	84·4	−1·0	50·7	−2·2	67·6	−1·6	33·7	94·1	5th	43·5	23rd & 23td.
	Veraval	*18*	30·066	+·020	30·027	30·152	26th	30·001	18th	·151	67·5	81·9	−2·2	60·4	−1·6	71·2	−1·9	21·5	87·1	1st & 6th.	51·3	23rd
	Bhavnagar Para	55	30·055	+·007	30·054	30·146	26th	29·979	18th	·167	61·7	85·6	+0·6	53·9	−4·4	69·7	−1·9	31·7	91·6	7th	44·5	20th
	Surat	39	30·038	+·011	30·022	30·127	26th	29·981	8th	·146	64·0	87·1	−0·3	57·5	−0·2	72·3	−0·3	29·6	91·1	8th	52·6	20th
	Ahmedabad	163	29·921	+·002	30·041	30·005	26th	29·842	18th	·163	63·3	86·2	+0·3	56·7	−3·4	71·5	−1·5	29·5	91·1	8th	49·7	23rd & 27th.
26	Bombay	37	30·026	+·015	30·004	30·117	26th	29·971	8th	·146	71·1	84·1	−0·4	69·0	−0·7	76·6	−0·5	15·1	88·5	14th	65·5	20th
	Ratnagiri	110	29·926	+·020	29·976	30·016	26th	29·871	9th	·145	73·4	88·7	−0·8	63·4	−3·8	76·1	−2·3	25·3	92·8	14th	60·4	19th
	Goa	199	?	?	?	?	?	?	?	?	70·1	83·7	−3·7	66·5	−2·8	75·1	−3·3	17·2	87·1	14th & 15th.	64·1	17th & 18th.
	Mormugao	*60*	29·977	+·009	29·973	30·062	26th	29·927	8th	·135	69·5	82·2	−4·1	66·4	−3·9	74·3	−4·0	15·8	86·3	14th	63·7	2nd
	Karwar	44	30·003	+·032	29·982	30·080	26th	29·950	9th	·130	65·0	86·6	−1·1	61·9	−4·3	74·2	−2·7	24·7	89·3	28th & 29th.	57·0	2nd
27	Malegaon	1,430	28·636	+·006	30·071	28·721	26th	28·561	18th	·160	61·5	86·2	+2·0	50·8	−0·5	68·5	+0·7	35·4	89·9	8th	42·1	15th
	Ahmednagar	2,154	27·920	+·017	30·064	28·010	26th	27·853	18th	·157	62·5	81·9	−1·1	49·8	−1·7	65·8	−1·4	32·1	84·4	8th	43·5	1st
	Poona	1,846	28·221	+·017	30·080	28·304	26th	28·149	18th	·155	59·0	83·3	−1·0	50·4	−3·4	66·9	−2·2	32·9	85·5	20th	45·3	1st
	Sholapur	1,590	28·469	+·013	30·043	28·572	26th	28·403	18th & 19th.	·169	65·4	85·6	+0·1	55·9	−1·6	70·8	−0·7	29·7	88·8	6th	50·4	1st
	Bijapur	*1,948*	28·102	+·006	30·032	28·190	26th	28·053	18th	·137	65·3	84·3	+0·3	53·6	−2·4	69·0	−1·1	30·7	86·2	6th	47·2	1st
	Belgaum †	2,539	27·495	+·020	29·985	27·573	26th	27·451	1st	·122	66·2	81·2	−0·4	54·8	−3·3	68·0	−1·9	26·4	83·3	8th, 13th & 28th.	48·5	1st
	X.—Central India.																					
21	Neemuch	1,624	28·442	−·002	30·102	28·532	26th	28·296	18th	·236	54·7	80·0	+1·6	47·8	−1·7	63·9	−0·1	32·2	86·0	6th	38·7	21st
	Indore	1,823	28·240	+·014	30·068	28·323	26th	28·145	18th	·178	63·6	80·8	+1·5	49·9	+0·6	65·3	+1·1	30·9	86·1	6th	43·1	20th
22	Nowgong	754	29·323	−·018	30·084	29·411	26th	29·179	18th	·232	52·7	74·9	−0·3	46·0	−0·4	60·5	−0·3	28·9	81·5	6th & 9th.	36·0	22nd
	Sutna	1,041	29·026	−·010	30·089	29·107	26th	28·911	18th	·196	53·6	76·9	+1·8	47·6	+0·5	62·3	+1·1	29·3	82·5	6th & 7th.	39·2	22nd
	XI.—Central Provinces.																					
23	Buldana	2,132	27·940		30·069	28·022	14th	27·864	18th	·158	68·1	80·6		56·0		69·3		22·6	83·1	6th	55·0	1st & 18th.
	Akola	930	29·157	+·015	30·079	29·253	26th	29·068	18th	·185	62·4	85·8	+2·2	51·6	+0·2	68·7	+1·2	34·2	87·7	7th, 26th & 27th.	45·1	1st
	Amraoti	1,215	28·853?	+·005?	30·031?	28·949	26th	28·777	18th	·172	65·1	83·4	+0·7	57·2	+0·4	70·3	+0·5	26·2	85·8	7th	51·8	1st
24	Khardwa	1,044	29·030	+·009	30·081	29·114	26th	28·947	18th	·167	58·1	84·2	+1·2	51·2	+1·0	67·7	+1·1	33·0	87·2	7th & 27th.	47·1	4 days
	Hoshangabad	1,006	29·079	0	30·096	29·166	26th	28·978	18th	·188	55·8	80·8	+1·5	50·9	−0·8	65·8	+0·2	29·9	84·1	6th & 7th.	45·9	22nd
	Saugor	1,807	28·237?	−·010?	30·060?	28·313	21st	28·129	18th	·184	60·4	78·1	+1·4	53·5	+1·6	65·8	+1·5	24·6	83·6	6th	46·1	21st
	Jubbulpore	1,327	28·737	−·005	30·096	28·809	26th	28·636	18th	·173	53·2	78·3	+1·4	46·7	+0·7	62·5	+1·1	31·6	82·8	7th	38·8	22nd
	Seoni	2,033	28·037	+·012	30·095	28·124	26th	27·950	18th	·174	59·3	78·3	+0·6	50·1	+0·3	64·2	+0·5	28·2	82·1	27th & 28th.	43·5	23rd
	Nagpur	1,017	29·061	+·011	30·076	29·154	26th	28·973	18th	·181	61·4	82·7	+1·4	53·2	−1·1	67·9	+0·1	29·5	84·6	6 days	48·8	23rd
25	Pendra	2,123?	28·009		30·058	28·087	26th	27·917	18th	·170	59·1	75·9		50·5		63·2		25·4	80·8	7th	42·2	22nd
	Raipur	970	29·104	+·003	30·075	29·198	26th	29·025	18th	·173	57·7	79·5	+0·3	53·6	−0·5	66·8	−0·1	25·9	82·7	7th	49·6	22nd
	Chanda	*634*	29·459	+·017	30·072	29·540	26th	29·381	11th	·159	60·4	81·6	−0·9	50·6†	−1·2†	66·1†	−1·1	31·0	83·5	7th & 8th.	47·0	1st, 16th & 17th.
	Jagdalpur		28·211		30·077	28·314	26th	28·182	11th	·132	54·8	75·8		48·9		62·3		26·9	78·2	7th	45·1	1st & 17th.
	XII.—Hyderabad.																					
28	Aurangabad	1,905	28·171	−·010?	30·066	28·256	26th	28·092	18th	·164	65·4	83·3	−0·8	52·5	−2·1	67·9	−1·5	30·8	86·2	8th	46·2	1st
	Nizamabad	1,248	28·397?		30·047?	28·320	26th	28·719	18th	·201	63·1	81·8	−1·1	52·3	−1·6	67·0	−1·3	29·5	84·9		47·7	17th

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 hills or pla

—continued.

India, etc., in December, 1910—continued.

Wind direction. Number of winds from N. (26)	N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction. (34)	Normal direction. (35)	Wind velocity. Mean velocity, miles per hour. (36)	Normal. (37)	Departure from normal. (38)	Wind steadiness. Actual percentage. (39)	Departure from normal. (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal. (42)	Mean vapour tension at 8 hrs. in inches of mercury. (43)	Departure from normal in inches of mercury. (44)	Cloud. Mean cloud amount at 8 hrs. (45)	Departure from normal. (46)	Rainfall. Number of rainy days. (47)	Normal number of rainy days. (48)	Departure from normal. (49)	Rainfall of month. (50)	Normal rainfall of month. (51)	Departure from normal. (52)	Total rainfall from 1st December, 1910. (53)	Normal rainfall for period, 1st to 31st December. (54)	Departure from normal of period, 1st to 31st December, 1910. (55)	Heaviest rainfall during month. (56)	Station. (57)
																															IX.—Bombay *—concld.*
2	9	9		1				N 71° E		7·7			52		51		·343		0·2		0			0			0			0	Jamnagar.
11	14	2	1				1	N 30° E		8·5			79		65		·453		1·1		0			0			0			0	Dwarka.
5	4	5	5	2			2	N 74° E	N 69° E	4·5	4·7	−0·2	37	−13	43	−10	·241	−·083	0·8	−0·2	0	0·20	−0·20	0	0·04	−0·04	0	0·04	−0·04	0	Rajkot.
4	16							N 36° E	N 27° E	6·5	5·7	+0·8	62	−13	55	+ 4	·375	+·013	0·3	−1·7	0	0·40	−0·40	0	0·09	−0·09	0	0·09	−0·09	0	Veraval.
4			1		1	5	17	N 49° W	N 77° W	3·0	6·3	−3·3	76	+18	41	−21 P	·227	−·144?	0·5	−0·9	0	0·10	−0·10	0	0·07	−0·07	0	0·07	−0·07	0	Bhavnagar Para.
7	2	10	1				3	N 46° E	N 48° E	3·1	4·4	−1·3	46	−12	59	− 3	·357	−·042	0·3	−1·0	0	0·10	−0·10	0	0·01	−0·01	0	0·01	−0·01	0	Surat.
4	17	5	2			1	1	N 48° E	N 62° E	4·0*	4·7	−0·7	76	+ 2	49	0	·285	−·027	0·3	−1·2	0	0·10	−0·10	0	0·07	−0·07	0	0·07	−0·07	0	Ahmedabad.
1	16	13	1					N 65° E	N 70° E	7·7	9·7	−2·0	89	+ 3	78	+ 6	·594	+·006	0·2	−1·5	0	0·10	−0·10	0	0·06	−0·06	0	0·06	−0·06	0	Bombay.
	6	22						N 81° E	S 74° E	8·6	8·0	+0·6	86	+21	49	− 4	·401	−·067?	0·2	−1·2	0	0·10	−0·10	0	0·05	−0·05	0	0·05	−0·05	0	Ratnagiri.
	6	25						N 82° E	N 75° E	5·6*	4·5	+1·1	96	+ 4	67	+ 3	·484	−·075	2·0	+0·6	0			0	0·06	−0·06	0	0·06	−0·06	0	Goa.
1	7	20	1					N 78° E	S 77° E	7·1*	7·9	−0·8	86	+ 6	77	+ 1	·553	−·068?	1·8	+0·9	0			0	0	0	0	0	0	0	Mormugao.
3	16							N 38° E	N 67° E	3·0	3·0	0	59	−21	78	+ 3	·485	−·055	0·9	−0·2	0	0·10	−0·10	0	0·07	−0·07	0	0·07	−0·07	0	Karwar.
1	1	1			1	9	8	N 64° W	N 69° W	2·9	4·3	−1·4	49	−12	56	− 2	·307	−·024	0	−2·0	0	0·50	−0·50	0	0·26	−0·26	0	0·26	−0·26	0	Malegaon.
2	1		6	3	2	2	6	S 57° W	N 81° E	5·5*	5·4	+0·1	10	+ 5	57	− 6	·319	−·059	0·2	−1·3	0	0·90	−0·90	0	0·50	−0·50	0	0·50	−0·50	0	Ahmednagar.
1	9	10			1	2		N 64° E	N 88° E	3·3	6·0	−2·7	49	+27	69	+13	·342	+·011	0	−1·9	0	0·50	−0·50	0	0·19	−0·19	0	0·19	−0·19	0	Poona.
1	6	5	11				1	S 84° E	S 74° E	6·1	7·9	−1·8	53	−15	52	+ 3	·322	−·024	1·3	−0·7	0	0·50	−0·50	0	0·43	−0·43	0	0·43	−0·43	0	Sholapur.
11	5	7	2	1			1	N 84° E	S 67° E	3·7*	3·8	−0·1	53	−16	59	−13	·366	−·111?	0	−1·6	0	0·50	−0·50	0	0·03	−0·03	0	0·03	−0·03	0	Bijapur.
3	18	7				1		S 83° E	S 81° E	12·6*	12·1	+0·5	79	+ 3	54	− 3	·341	−·042	0·9	−0·7	0	0·40	−0·40	0	0·12	−0·12	0	0·12	−0·12	0	Belgaum.
																															X.—Central India.
8	9	4	1			1	1	N 33° E	N 58° E	3·5	5·8	−2·3	56	− 9	59	+ 6	·256	−·011	0·6	−0·8	0	0·60	−0·60	0	0·28	−0·28	0	0·28	−0·28	0	Neemuch.
1	2	1	7					S 71° E	N 68° E	1·5	1·8	−0·3	23	+ 5	55	− 4	·328	+·018	0·2	−1·2	0	0·50	−0·50	0	0·20	−0·20	0	0·20	−0·20	0	Indore.
1		2	2	7	6	5	2	S 35° W	N 76° W	1·5	1·1	+0·4	40	+26	74	0	·297	−·021	0·5	−0·7	0	0·70	−0·70	0	0·55	−0·55	0	0·55	−0·55	0	Nowgong.
			1	1		3	7	N 66° W	N 24° W	1·5	3·4	−1·9	23	−21	67	0	·277	−·016	0·6	−0·4	0	0·90	−0·90	0	0·43	−0·43	0	0·43	−0·43	0	Sutna.
																															XI.—Central Provinces.
1	2	4	11	9	3	1		S 30° E		3·8	5·5	−1·7	65		46		·312		0·2		0			0	0·59	−0·59	0	0·59	−0·59	0	Buldana.
1	2	6	3	1			1	E	S 85° E	2·4	3·2	−0·8	28	−16	56	0	·320	+·005	0	−1·8	0	0·70	−0·70	0	0·75	−0·75	0	0·75	−0·75	0	Akola.
	9	10						N 69° E	N 72° E	4·2	4·0	+0·2	56	−16	56	+ 5	·350	+·023	0	−1·7	0	0·60	−0·60	0	0·57	−0·57	0	0·57	−0·57	0	Amraoti.
1	3	2	5		2		1	S 79° E	N 63° E	2·0	2·7	−0·7	17	−15	67	+10	·330	+·030	0·7	−0·6	0	0·50	−0·50	0	0·43	−0·43	0	0·43	−0·43	0	Khandwa.
	7	5	1					N 68° E	N 63° E	1·6	2·6	−1·0	40	−25	69	0	·310	−·019	0·1	−1·5	0	0·60	−0·60	0	0·53	−0·53	0	0·53	−0·53	0	Hoshangabad.
1	1	2	6	1	6	1	1	S 8° E	S 77° E	3·0	2·8	+0·2	23	− 9	41	−17	·217	−·077	0·2	−0·9	0	0·80	−0·80	0	0·70	−0·70	0	0·70	−0·70	0	Saugor.
	2	11	11					S 27° E	S 41° E	0·9	1·6	−0·7	72	+36	76	+ 2	·309	−·044	0	−1·6	0	0·60	−0·60	0	0·33	−0·33	0	0·33	−0·33	0	Jubbulpore.
6	2		1		4	1		N 26° W	N 30° E	2·3	2·2	+0·1	17	−25	58	− 9	·293	−·051	0·2	−1·7	0	0·90	−0·90	0	0·52	−0·52	0	0·52	−0·52	0	Seoni.
13	7	1				1	2	N 10° E	N 7° E	1·8	3·0	−1·2	62	+33	63	+ 3	·344	−·009	0·4	−1·6	0	0·70	−0·70	0	0·48	−0·48	0	0·48	−0·48	0	Nagpur.
4	2			5	1		6	N 42° W		3·7			17		53		·268		0·5		0			0			0			0	Pendra.
2				1	1		2	N 51° W	N 14° E	1·5	2·5	−1·0	10	− 6	71	+ 9	·338	−·006	0	−2·0	0	0·50	−0·50	0	0·25	−0·25	0	0·25	−0·25	0	Raipur.
	2	1	1		1		1	N 66° E	N 39° E	1·3	1·6	−0·3	7	−25	77	+ 5	·411	+·013	0·5	−0·9	0	0·80	−0·80	0	0·34	−0·34	0	0·34	−0·34	0	Chanda.
5	1						7	N 22° W					49		84		·359		0·7		0			0			0			0	Jagdalpur.
																															XII.—Hyderabad.
5	12	7	1	1				S 81° E		5·2			66		56	+ 7	·349		0·3		0	1·10	−1·10	0	0·33	−0·33	0	0·33	−0·33	0	Aurangabad.
			1	1			1	S		2·7			3		74	+ 6	·428		0·8		0	0·60	−0·60	0	0·14	−0·14	0	0·14	−0·14	0	Nizamabad.

ations, the elevations of which exceed 3,200 feet. * Uncorrected for scale error.

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(2) *Abstract of observations taken at 8 hrs. at 238 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*	27·808?		29·957?	27·890	16th & 30th.	27·701	4th	·189	69·0	81·4		61·1		71·2		20·3	86·6	19th	57·0	1st
29	Gulbarga	1,503	28·565	+·004	30·051	28·668	26th	28·500	18th	·168	65·4	84·8	−0·2	55·3	−2·5	70·0	−1·3	29·5	87·0	4 days	51·3	16th
	Raichur	*1,311*	28·756	+·029	30·044	28·855	26th	28·702	18th	·153	67·5	83·6	−1·3	60·1	−3·2	71·8	−2·3	23·5	86·1	8th	55·1	2nd
	Hyderabad (Deccan)	1,690	28·370	+·003	30·057	28·482	26th	28·307	18th	·175	61·1	82·1	−0·3	54·2	−3·1	68·1	−1·7	27·9	84·3	7th & 8th	49·2	1st
	Hanumkonda	877	29·207	+·027	30·055	29·308	26th	29·135	18th	·173	67·9	81·5	−2·2	58·4	−2·5	69·9	−2·3	23·1	83·5	8th	53·2	1st
	XIII.—Mysore.																					
30	Chitaldrug	2,405	27·637	+·010	29·995	27·727	26th	27·589	3rd	·138	66·4	80·0	−1·3	57·2	−3·6	68·6	−2·5	22·8	81·6	28th	53·9	7th
	Hassan	3,149	26·922?	+·020?	30·054?	27·001	26th	26·872	9th	·129	62·8	78·8	−0·6	52·3	−3·2	65·6	−1·9	26·5	80·8	20th	48·6	3rd
	Bangalore	3,021	27·045	+·015	30·008	27·125	26th	26·987	3rd	·138	61·6	78·5	+0·5	54·4	−4·3	66·4	−1·9	24·1	80·3	13th, 14th & 27th.	51·3	3rd
	Mysore	2,518	27·534	+·014	30·007	27·607	26th	27·474	1st	·133	64·4	80·3	−1·3	55·6	−4·2	67·9	−2·7	24·7	82·5	21st	52·0	3rd
	XIV.—Madras.																					
2	Mangalore	65	29·951	+·010	29·948	30·025	26th	29·883	9th	·142	74·0	88·0	−2·5	62·8	−6·3	75·4	−4·4	25·2	90·8	28th	59·8	3rd
	Calicut	27	29·983	+·014	29·939	30·044	26th	29·926	3rd	·118	72·0	84·8	−2·8	66·8	−2·7	75·8	−3·3	18·0	86·8	27th	64·6	14th & 15th.
	Cochin	9	29·993	+·018	29·929	30·056	16th & 26th.	29·922	9th	·134	74·6	88·0	−0·5	70·3	−2·6	79·2	−1·5	17·7	89·7	6 days	67·7	9th & 15th.
	Trivandrum	198	29·791	+·016	29·922	29·860	10th	29·715	9th	·145	74·8	83·1	+0·1	71·2	−0·5	77·1	−0·2	11·9	86·5	11th	67·0	18th
32	Tinnevelly	168	29·881	+·026	29·981	29·950	28th	29·813	8th	·137	75·9	87·6	+1·4	70·6	−1·8	79·1	−0·2	17·0	89·7	25th	66·9	22nd
	Pamban	37	29·986	+·014	29·950	30·063	26th	29·903	8th	·160	76·2	82·5	+0·9	73·3	−1·3	77·9	−0·2	9·2	84·2	18th	71·5	31st
	Madura	447	29·596	+·037	29·983	29·670	26th	29·531	9th	·129	74·9	87·2	+1·2	66·7	−3·8	76·9	−1·3	20·5	89·9	25th	64·1	5 days
	Pudukkottai	318	29·719		29·976	29·804	26th	29·646	8th	·158	73·3	85·0		67·2		76·1		17·8	87·3	25th	64·2	3rd & 21st.
	Negapatam	31	29·995	+·018	29·954	30·081	26th	29·923	8th	·158	78·1	83·7	+2·2?	70·6	−1·5	77·1	+0·3?	13·1	85·5	5th, 11th & 13th.	67·5	3rd
	Trichinopoly	255	29·802	+·036	29·995	29·887	26th	29·736	1st	·151	74·7	85·8	+0·6	67·0	−2·4	76·4	−0·9	18·8	87·1	4 days	62·3	21st
	Coimbatore	1,341	28·699	+·028	30·002	28·769	26th	28·629	1st	·140	69·0	83·7	−1·4	60·5	−5·6	72·1	−3·5	23·2	83·4	13th	55·8	14th
	Salem	940	29·139	+·035	30·040	29·220	26th	29·079	9th	·141	68·5	84·4	−2·0	62·0	−3·3	73·2	−2·7	22·4	86·5	11th & 13th	58·4	3rd
	Cuddalore	37	30·019	+·022	29·987	30·096	26th	29·949	9th	·147	72·8	83·8	+0·6	67·9	−1·2	75·8	−0·3	15·9	85·1	30th	63·2	17th
	Vellore	707	29·349		30·024	29·435	26th	29·292	3rd	·143	66·4	82·5		60·6		71·6		21·9	83·7	4 days	57·5	17th
	Madras	22	30·044	+·026	29·997	30·128	26th	29·975	9th	·153	73·3	83·7	+0·4	66·8	−2·9	75·3	−1·2	16·9	85·5	25th	62·0	18th & 20th.
33	Cuddapah	433	29·650	+·024	30·026	29·741	26th	29·599	1st & 18th.	·142	68·4	85·0	−1·8	61·6	−2·8	73·3	−2·8	23·4	86·7	7th & 9th	57·6	2nd & 3rd.
	Bellary	1,475	28·573	+·013	30·031	28·667	26th	28·522	18th	·145	65·0	84·9	−0·7	57·4	−3·5	71·1	−2·1	27·5	87·0	7th & 8th	54·3	2nd & 16th.
	Kurnool	923	29·138	+·008	30·044	29·244	26th	29·065	11th	·179	62·6	84·5	−2·4	55·4	−3·5	69·9	−2·9	29·1	87·2	8th	50·6	3rd
34	Nellore	66	30·007	+·016	30·009	30·107	26th	29·948	1st	·159	70·5	82·9	−1·9	64·8	−3·4	73·9	−2·7	18·1	86·6	28th	62·1	17th
	Masulipatam	15	30·060	+·030	30·030	30·185	26th	30·017	3rd	·168	69·7	82·5	−0·5	63·3	−3·3	72·9	−1·9	19·2	85·3	8th	59·2	2nd
	Cocanada	26	30·067	+·017	30·031	30·172	26th	30·002	8th	·170	68·6	79·9	−0·8	63·2	−2·5	71·6	−1·7	16·7	81·7	9th	59·5	1st
	Waltair (Vizag.)	*226*	29·863	+·017	30·037	29·966	26th	29·793	8th	·173	70·6	80·4		65·4		72·8		15·0	84·1	7th	61·9	2nd, 3rd & 18th.
	Calingapatam	19	30·079		30·038	30·184	26th	30·006	1st & 8th.	·178	64·0	80·9		59·7		70·3		21·2	84·8	28th	55·5	3rd & 4th.
	Gopalpur	72	30·013	−·007?	30·029	30·113	26th	29·935	1st & 2nd.	·178	63·2	80·6	+0·3	58·7	−2·1	69·6	−0·9	21·9	84·7	7th & 13th	54·5	1st

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—*continued.*

in India, etc., in December, 1910—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, 1910.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December, 1910.	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—*contd.*
9		7		14		1			S 67° E		3·7			48		51		·358		0·9		0	0·70	− 0·70	0	0·52	− 0·52	0	0·52	− 0·52	0	Bidar.
		24	7						N 55° E	N 76° E	6·4	7·2	−0·8	96	+49	54	− 5	·340	−·053	0·1	−1·7	0	0·30	− 0·30	0	0	0	0	0	0	0	Gulbarga.
		7	11	8	4			1	S 79° E	S 77° E	6·0	7·4	−1·4	69	+13	58	− 8	·395	−·091	1·8	+0·3	0	0·30	− 0·30	0	0	0	0	0	0	0	Raichur.
31									(a)	S 63° E	1·9	3·2	−1·3			70	− 3	·379	−·073	0·4	−1·3	0			0	0·17	− 0·17	0	0·17	− 0·17	0	Hyderabad (Deccan).
13	5			5	3	1		4	N		2·9			2		63	− 4	·430		1·3		0	0·10	− 0·10	0	0·29	− 0·29	0	0·29	− 0·29	0	Hanumkonda.
																																XIII.—Mysore.
1		1	18	11					S 75° E	S 77° E	6·3	7·8	−1·5	89	+ 1	70	+ 5	·458	−·002	1·6	−1·4	0	0·70	− 0·70	0	0·09	− 0·09	0	0·09	− 0·09	0	Chitaldrug.
3		6	15	7					S 88° E	N 82° E	4·6	3·4	+1·2	78	− 7	76	+ 3	·435	−·042	2·6	−1·0	0	1·00	− 1·00	0	0·18	− 0·18	0	0·18	− 0·18	0	Hassan.
		11	19	1					N 75° E	N 67° E	7·0	5·5	+1·5	92	+ 6	81	+ 3	·450	−·033	1·9	−1·9	0	1·00	− 1·00	0	0·48	− 0·48	0	0·48	− 0·48	0	Bangalore.
1		17	11	1				1	N 62° E	N 68° E	9·9	10·3	−0·4	82	− 1	77	+ 3	·470	−·033	2·4	−1·4	0	1·00	− 1·00	0	0·17	− 0·17	0	0·17	− 0·17	0	Mysore.
																																XIV.—Madras.
1		7	23						N 80° E	S 86° E	5·3*	2·9	+2·4	92	+ 6	62	− 6	·526	−·075	1·2	−1·1	0	0·50	− 0·50	0	0·45	− 0·45	0	0·45	− 0·45	0	Mangalore.
		5	18	7	1				S 85° E	N 85° E	5·4*	7·0	−1·6	86	+ 3	73	+ 1	·612	−·071	0·7	−1·4	0	1·60	− 1·60	0	0·97	− 0·97	0	0·97	− 0·97	0	Calicut.
	2	24	5						N 50° E	N 36° E	4·9*	4·3	+0·6	96	+17	67	− 8	·562	−·134	1·2	−1·2	0	2·50	− 2·50	0·02	1·66	− 1·64	0·02	1·66	− 1·64	0·02	Cochin.
8		7	4	1			1		N 64° E	N 49° E	2·6*	3·7	−1·1	33	− 3	76	− 4	·655	−·069	2·5	−1·8	0	3·60	− 3·60	0	2·24	− 2·24	0	2·24	− 2·24	0	Trivandrum.
2	15	6	1					7	N 1° E	N 11° W	4·9	5·0	−0·1	78	− 7	67	−10	·602	−·088	3·5	−1·0	0	5·70	− 5·70	0·03	3·75	− 3·72	0·03	3·75	− 3·72	0·03	Tinnevelly.
	20	7						4	N 4° E	N 13° E	16·1	13·1	+3·0	92	+ 9	84	− 4	·754		4·2		1	9·20	− 8·20	0·24	10·31	−10·07	0·24	10·31	−10·07	0·17	Pamban.
	14	14	1					2	N 21° E	N 5° E	8·6	4·6	+4·0	89	+ 6	69	− 5	·591	−·068	4·2	−0·3	0	3·80	− 3·80	0·08	1·87	− 1·79	0·08	1·87	− 1·79	0·08	Madura.
	20	11							N 16° E		11·8			94		67		·549		3·4		0			0			0			0	Pudukkottai.
	4	7		1				19	N 20° W	N 6° W	14·3	9·0	+5·3	72	−14	77	− 6	·687	−·067	4·8	−1·9	0	9·40	− 9·40	0	12·79	−12·79	0	12·79	−12·79	0	Negapatam.
2	12	6					4	7	N 12° W	N 16° E	5·0*	4·5	+0·5	72	+22	65	−12	·558	−·109	2·9	−2·0	0	4·60	− 4·60	0	2·76	− 2·76	0	2·76	− 2·76	0	Trichinopoly.
2		19							N 45° E	N 77° E	3·2	3·0	+0·2	59	−24	84	0	·600	−·057	3·1	−1·8	0	2·40	− 2·40	0	1·13	− 1·13	0	1·13	− 1·13	0	Coimbatore.
1	4	8	3			1	3	1	N 21° E	N 40° E	4·1	3·9	+0·2	37	+ 8	74	− 2	·520	−·106	1·7	−1·9	0	2·10	− 2·10	0	1·26	− 1·26	0	1·26	− 1·26	0	Salem.
2	13							16	N 25° W	N 10° W	9·4	2·7	+6·7	89	+10	76	−14	·616	−·150	4·9	−1·1	1	6·80	− 5·80	0·19	8·19	− 8·00	0·19	8·19	− 8·00	0·19	Cuddalore.
1									(a)		2·7					86		·558		2·5		0	3·60	− 3·60	0	2·83	− 2·83	0	2·83	− 2·83	0	Vellore.
1	11					1		18	N 29° W	N 8° E	6·5*	7·3	−0·8	86	+ 3	81	− 2	·665	−·065	3·2	−1·9	0	7·20	− 7·20	0·05	6·02	− 5·97	0·05	6·02	− 5·97	0·05	Madras.
	2	8	4	8		5	1	3	N 86° E	S 75° E				30	−13	76	− 2	·531	−·089	1·9	−1·5	0	1·30	− 1·30	0	1·14	− 1·14	0	1·14	−1·14	0	Cuddapah.
3			1	7	5				S 32° E	S 59° E	1·9	3·3	−1·4	40	− 3	64	− 3	·398	−·084	1·5	−1·8	0	0·30	− 0·30	0	0·11	− 0·11	0	0·11	− 0·11	0	Bellary.
7			3	1					S 79° E	S 80° E	2·5*			13	+12	77	+ 7	·433	−·060	0·8	−0·9	0	0·30	− 0·30	0	0·12	− 0·12	0	0·12	− 0·12	0	Kurnool.
8								23	N 34° W	N 51° W	4·0*	4·2	−0·2	96	+24	83	− 2	·616	−·100	4·9	+0·9	0	3·30	− 3·30	0	1·64	− 1·64	0	1·64	− 1·64	0	Nellore.
	2	11	10	7					N 78° E	N 15° E	3·9	5·2	−1·3	76	−10	79	− 2	·576	−·061	0·9	−1·7	0	0·60	− 0·60	0	0·78	− 0·78	0	0·78	− 0·78	0	Masulipatam.
4	2							1	N 7° E	N 5° E	6·1	9·1	−3·0	20	−70	73	+ 3	·519	−·022	3·0	+0·5	0	0·70	− 0·70	0	0·80	− 0·80	0	0·80	− 0·80	0	Cocanada.
5	3	9					11	2	N 9° W	N 31° W	5·7			30	−19	61	+ 2	·461	−·059	1·8	−0·7	0	1·10	− 1·10	0	1·80	− 1·80	0	1·80	− 1·80	0	Waltair (Vizag.).
8	1						2	19	N 24° W		4·7			84		83		·491		1·9		0			0			0			0	Calingapatam.
16								15	N 22° W	N 23° W	9·3	8·2	+1·1	99	+24	77	0	·442	−·053	0·8	−1·3	0	0·80	−0·80	0	0·75	− 0·75	0	0·75	− 0·75	0	Gopalpur.

* Uncorrected for scale error. (a) Indeterminate.

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

Number of subdivision.	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.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Bay Islands.																					
1	P. V. Fraser	8	30·114		30·040	30·220	26th & 28th.	30·040	1, 2nd & 5th.	·180	73·7											
	Port Blair	58	29·918	—·006	29·908	30·005	26th	29·827	3rd	·178	79·1	84·7	—1·0	75·8	—0·9	80·3	—0·9	8·9	88·2	13th	71·5	22nd
	Slipper Island	90	29·896		29·920	29·995	25th	29·811	8th	·184	79·6	83·3		76·4		79·9		6·9	86·1	11th & 12th.	73·1	22nd
	Kashmir.																					
14	Muzaffarabad	2,475	27·678		30·311	27·797	29th	27·564	18th	·233	42·8	64·3		36·6		50·4		27·7	73·1	1st & 4th	30·3	13th
	Srinagar	5,204	25·023	—·021	24·991	25·273	26th	24·799	19th	·474	30·7	43·8	—4·0	27·4	—1·1	35·6	—2·5	16·4	56·1	1st	17·1	13th
	Gulmarg	*8,569*						Observations not available.														
	Sonemarg	*8,764*	21·861		21·829	22·061	26th	21·613	19th	·418	22·6	37·4		16·6		27·0		20·8	50·4	2nd	3·1	11th
	Dras	*10,059*	20·810	—·037	20·779	21·084	26th	20·559	19th	·525	3·4	22·7	—5·0	—11·8	—13·1	5·5	—9·1	34·5	42·9	1st	—49·0	28th
	Leh	11,503	19·689	—·047	19·657	19·919	28th	19·422	19th	·497	15·3	31·7	—3·0	12·0	—1·2	21·9	—2·1	19·7	44·6	1st	1·0	25th & 27th.
	Skardu	*7,505*	23·004	—·008	22·974	23·298	28th	22·747	19th	·551	24·4	38·5	—3·3	21·9	—0·8	30·2	—2·1	16·6	51·4	2nd	12·1	28th
	Minimarg	*9,359*									16·6	32·2		11·5		21·8		20·7	47·3	1st	0	5th
	Astor	*7,955*	22·553		22·523	22·810	26th	22·330	19th	·480	21·5	38·0		—1·6		18·2		39·6	48·9	1st & 2nd	—14·8	24th & 25th.
	Gilgit	4,890	25·325		25·298	25·637	24th	25·020	16th	·617	34·9	47·1	—2·1	31·2	—3·3	39·2	—2·7	15·9	57·7	2nd	25·2	5 days
	Baluchistan.																					
16	Quetta	5,502	24·761	+·015	24·721	24·882	26th	24·664	18th	·218	33·3	50·1	—6·5	27·2	—2·5	38·7	—4·5	22·9	64·1	4th	12·7	23rd
	Chaman	4,311	25·856	+·031	25·818	25·976	20th & 21st.	25·734	15th	·242	39·5	50·5	—8·1	33·7	—5·9	42·1	—7·0	16·8	67·3	3rd & 4th	19·2	23rd
	Robat		27·094		27·052	27·290	21st	26·914	31st	·376	41·9	55·4		35·9		45·7		19·5	68·5	5th	25·8	23rd
	Hill Stations excluding Kashmir and Baluchistan.																					
	Chitral	*5,486*									30·9	47·9		22·4§		32·7§		25·5	62·1	1st	14·5	21st
	Para Chinar	6,000	24·527		24·494	24·680	26th	24·321	18th	·359	39·4	52·4		30·0		41·2		22·4	64·9	28th	17·0	20th
	Cherat	*4,256*	25·819	—·005	25·787	25·966	26th	25·671	18th	·295	44·5	51·5	—4·0	41·0	—1·6	46·2	—2·8	10·5	61·2	1st & 4th	28·5	20th & 21st.
	Murree	8,333	23·884	—·033	23·852	24·028	26th	23·720	19th	·308	40·7	47·8	—5·0	37·6	—1·4	42·7	—3·2	10·2	58·1	28th	24·7	20th
	Simla	7,232	23·138	—·020	23·100	23·229	15th	23·005	11th	·224	42·0	49·1	—0·3	39·0	—0·1	44·1	—0·2	10·1	55·5	8th	30·1	19th
	Sanain		23·187		23·149	23·293	29th	23·077	13th	·216	33·6	48·8		30·4		39·6		18·4	59·3	15th	25·3	23rd
	Kalabagh										Observations not available.											
	Chakrata	7,022	23·318	—·020	23·278	23·410	29th	23·197	11th	·213	43·8	57·9	+3·0	39·0	—0·3	48·5	+1·3	18·9	65·7	14th & 16th.	31·7	19th & 20th.
	Muktesar	7,592	22·873	—·020	22·832	22·969	16th	22·749	11th	·220	42·6	53·5	—0·5	38·0	—0·6	45·8	—0·5	15·5	58·5	15th & 16th.	30·0	20th
	Darjiling	7,376	23·028	—·047	22·983	23·132	28th	22·906	11th	·226	40·7	48·5	—0·2	36·8	+0·2	42·7	0	11·7	54·3	8th, 9th & 18th.	33·2	12th
	Shillong	4,920	25·184		25·136	25·305	25th	25·082	10th	·223	46·4	61·3		38·5		49·9		22·8	64·9	9th & 16th.	32·7	13th & 14th.
	Cherrapunji	4,309	25·705		25·656	25·824	16th	25·606	1st	·218	53·2	60·7		46·1		53·4		14·6	64·7	8th	42·1	21st
	Maymyo	3,545	26·526	+·018	26·471	26·613	29th	26·452	11th	·161	49·4	70·0	+0·5	42·4	+0·1	56·2	+0·3	27·6	73·5	4th	35·6	21st
	Pachmarhi	3,528	26·597	+·018	26·544	26·632	26th	26·514	18th	·168	59·1	71·1	+0·8	45·6	—0·1	58·4	+0·3	25·5	74·5	6th & 7th	41·1	21st
	Mount Abu	3,945	26·165	—·003	26·115	26·258	14th	26·016	18th	·242	60·6	68·3	—0·3	53·4	+0·5	60·8	+0·1	14·9	74·2	5th & 16th	41·9	19th
	Mercara	3,781	26·293	+·007	26·226	26·376	26th	26·228	8th	·148	58·5	73·8	—1·4	54·5	—3·3	64·1	—2·3	19·3	76·5	25th	51·0	18th
	Ootacamund	*7,327*	23·093		23·029	23·159	26th	23·051	3rd	·108	58·1	68·6		42·9		55·8		25·7	72·0	11th	34·7	17th
	Kodaikanal	7,688	22·851	—·011	22·786	22·906	26th	22·806	3rd	·100	58·2	67·9	+6·0	48·2	+0·5	58·0	+3·3	19·7	73·5	20th	41·0	17th

§ Mean of 16 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 for which exceed 3,000 feet.

B—*continued.*

in India, etc., in December, 1910—continued.

Wind direction. Number of winds from Calm. (25)	N. (26)	N.E. (27)	E. (28)	S.E. (29)	S. (30)	S.W. (31)	W. (32)	N.W. (33)	Resultant direction. (34)	Normal direction. (35)	Wind velocity. Mean velocity, miles per hour. (36)	Normal. (37)	Departure from normal. (38)	Wind steadiness. Actual percentage. (39)	Departure from normal. (40)	Hygrometry, 8 hrs. Mean humidity at 8 hrs. (41)	Departure from normal. (42)	Mean vapour tension at 8 hrs. in inches of mercury. (43)	Departure from normal in inches of mercury. (44)	Cloud. Mean cloud amount at 8 hrs. (45)	Departure from normal. (46)	Rainfall. Number of rainy days. (47)	Normal number of rainy days. (48)	Departure from normal. (49)	Rainfall of month. (50)	Normal rainfall of month. (51)	Departure from normal. (52)	Total rainfall from 1st to 31st December, 1910. (53)	Normal rainfall for period, 1st to 31st December. (54)	Departure from normal of period, 1st to 31st December, 1910. (55)	Heaviest rainfall during month. (56)	Station. (57)
																																Bay Islands.
4	17	8				1		1	N 10° E					78		64		·538		0·9		0			0			0			0	P. V. Fraser.
7	7	14	2	1					N 38° E	N 55° E	4·6	7·3	—2·7	66	+ 8	79	— 2	·783	—·036	4·6	—0·7	10			6·04	6·62	—0·58	6·04	6·62	—0·58	1·86	Port Blair.
1	11	13	6						N 37° E		8·7			82		72		·727		5·2		4			1·17			1·17			0·32	Slipper Island.
																																Kashmir.
	4	12	2	2	1	9	1		N 51° E		0·6			23		50		·136		5·6		4			2·95			2·95			1·21	Muzaffarabad.
13		1		7	2	1	2	5	S 10° W	S 42° E	2·5	2·6	—0·1	10	— 9	81	— 8	·140	—·020	6·7	+0·7	5	3·50	+1·50	1·36	0·91	+0·45	1·36	0·91	+0·45	0·40	Srinagar.
													Observations not available.																			Gulmarg.
20	2	2	1	3				3	N 36° E		2·8			13		85		·109		5·7		11			9·53			9·53			4·10	Sonemarg.
26	1	1	1				1	1	N		1·1			8		90	+ 3	·062‡		4·8		10	6·60	+3·40	2·14	1·45	+0·69	2·14	1·45	+0·69	0·41	Dras.
27		3	1						N 56° E	S 22° W	1·7	11·3	+0·4	10	— 7	59	+ 1	·056	+·005	7·5	+1·6	1	9·60	+0·40	0·36	0·19	+0·17	0·36	0·19	+0·17	0·12	Leh.
28					3	4			S 26° W		2·5			23		81	—13	·108		6·5		1	1·10	—0·10	0·40	0·31	+0·09	0·40	0·31	+0·09	0·10	Skardu.
22		1	4	4					S 74° E		4·0			23		72		·070		6·0		12			7·67			7·67			1·90	Minimarg.
24	1		3	3					S 78° E		1·4			17		61†		·070		6·4		?			?			?			?	Astor.
27							4		W		0			13		65	+ 4	·133	—·001	5·7	—0·7	0	0·80	—0·80	0·11	0·09	+0·02	0·11	0·09	+0·02	0·06	Gilgit.
																																Baluchistan.
18	2	1		2	3	2		3	S 52° W	S 7° E	2·6	2·3	+0·3	3	— 6	79	+ 5	·151	—·004	4·3	+1·1	4	4·00	0	1·18	0·81	+0·37	1·18	0·81	+0·37	0·41	Quetta.
5		2	8	6	4	3	2	1	S 47° E	S 52° E	4·0	6·7	—2·7	40	—32	72	+17	·174	—·001	4·8	+1·3	4	3·10	+0·90	1·36	0·92	+0·44	1·36	0·92	+0·44	0·61	Chaman.
5		5	2			19			S 39° W		5·3			43		61		·162		2·5		3			1·41			1·41			0·72	Robat.
																																Hill Stations excluding Kashmir and Baluchistan.
																									1·10			1·10			0·30	Chitral.
28				2				1	S 45° E		1·1			3		84		·146		4·8		4										
											3·4			10		72		·169		2·6		3	2·50	+0·50	1·72	0·79	+ 0·93	1·72	0·79	+0·93	1·04	Para Chinar.
28							3		W																							
											13·7	13·2	+5·5	76	+ 1	38	— 7	·106	—·036	4·1	+0·4	2			0·44	1·00	— 0·56	0·44	1·00	—0·56	0·21	Cherat.
	18	1		1	2			9	N 13° W	N 13° W	5·7	7·1	—1·4	40	+11	52	+ 6	·126	+·005	5·1	+1·0	5	1·50	+3·50	2·92	1·14	+ 1·78	2·92	1·14	+1·78	0·95	Murree.
16	1			9	4	1			S 29° E	S 84° E						42	+ 2	·105	—·001	3·7	—0·2	3	1·60	+1·40	1·72	1·23	+ 0·49	1·72	1·23	+0·49	1·08	Simla.
														45		77†		·147†		4·3		1			0·28			0·28			0·20	Saraln.
15					7	8	1		S 28° W		3·3							Observations not available.														Kalabagh.
									N 4° E	N 28° E	4·9	5·0	—0·1	66	+29	49	0	·135	0	2·9	—0·1	2	2·40	—0·40	1·72	1·16	+ 0·56	1·74	1·16	+0·58	1·54	Chakrata.
6	22			2	1									39		39	— 3	·103		4·0		1			0·27	0·72	— 0·45	0·27	0·72	—0·45	0·27	Muktesar.
									W		8·8																					
7		2	3	1		2	15	1																								
28		1		1				1	N 45° E	S 89° E	0·9	2·9	—2·0	3	—28	84	+ 6	·213	+·016	5·0	+1·9	0	0·65	—0·65	0·02	0·23	— 0·21	0·02	0·23	—0·21	0·02	Darjiling.
																74		·245		0·8		0	0·70	—0·70	0	0·28	— 0·28	0	0·28	—0·28	0	Shillong.
31									(a)		1·5											0	3·90	—3·90	0	0·21	— 0·21	0	0·21	—0·21	0	Cherrapunji.
														10		75		·295		0												
27			2		2				S 45° E		2·5											0	0·80	—0·80	0	0·46	— 0·46	0	0·46	—0·46	0	Maymyo.
									S 45° W		1·0			3		96	+ 8	·348		2·1		0	1·00	—1·00	0	0·47	— 0·47	0	0·47	—0·47	0	Pachmarhi
30						1																										
19	4	1			1	3	1	2	N 51° W	S 52° E	1·5	2·7	—1·2	17	+ 7	66	+ 7	·325	+·020	0	—1·9	0	1·00	—1·00	0	0·47	— 0·47	0	0·47	—0·47	0	Mount Abu.
14		3		3		4	3	4	W	N 8° E	3·9	4·1	—0·2	14	0	38	— 6	·201	—·024	0·6	—1·1	0	0·50	—0·50	0	0·21	— 0·21	0	0·21	—0·21	0	Mercara.
2		13	15	1					N 72° E	N 72° E	7·0	6·4	+0·6	86	+ 3	85	+ 5	·408	—·039	2·7	—2·1	0	1·00	—1·00	0	0·51	— 0·51	0	0·51	—0·51	0	Ootacamund.
8		2	10	9	2				S 69° E		5·3			62		25		·115		1·3		0	3·30	—3·30	0	1·65	— 1·65	0	1·65	—1·65	0	Kodaikanal.
	2	4	14	9	1			1	S 86° E		14·0*			72		28	—36	·130		1·2		0	8·10	—8·10	0	5·12	— 5·12	0	5·12	—5·12	0	

‡ Mean of 29 days.

* Uncorrected for scale error.

(a) Indeterminate.

† Mean of 30 days.

Ta

(2) *Abstract of observations taken at 8*

Number of subdivision.	Station.	Elevation of barometer 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.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Extra India.																					
	Singapore (*a*)	10	29·940		29·871	30·052	27th	29·873	9th	·179	80·8	87·5		73·3		80·4		14·2	92·0	6th	72·0	6 days
	Penang (*a*)	20	29·920		29·865	29·996	2nd	29·749	14th	·247	79·7	86·5		74·2		80·3		12·3	91·0	19th	71·0	27th
	Trincomalee	99									74·9	80·2	−2·3	73·0	−1·5	76·6	−1·9	7·2	85·0	6th	68·0	2nd
	Colombo	24	29·945	−·004	29·895	30·019	16th	29·854	8th	·165	72·6	85·3	−1·6	71·4	−1·6	78·4	−1·6	13·9	88·5	28th	68·5	21st
	Minicoy	7	30·002			30·070	16th	29·933	9th & 10th.	·137												
	Amini Divi	*13*	30·007	+·011	29·948	30·086	26th	29·928	3rd	·158	80·0	86·0	+1·1	69·9	−3·9	77·9	−1·4	16·1	95·4	1st	67·0	9th
	Gyantse	13,120	17·002		16·963	17·190	25th & 29th.	16·844	10th	·346	17·7	45·2		8·7		27·0		36·5	51·7	1st	1·4	29th
	Pharijong	14,400									14·5†	51·7		−2·9		24·5		54·6	62·9	1st	−11·0	27th
	Gangtok	5,660†									56·6	60·1		38·1		48·1		22·0	65·9	9th	34·6	24th
	Gartok	14,140							Observations		not	received.										
	Kashgar (*c*)	4,255	25·832			26·096	1st	25·550	16th	·540	12·0	26·5	−10·0	9·3	−7·2	17·9	−8·6	17·2	37·4	7th	−1·7	24th
	Kabul								Observations		rejected.											
	Meshed	3,104	26·982		26·960	27·196	21st	26·793	30th	·403	23·4	40·7							57·4	6th		
	Jask	13	30·123	−·001	30·089	30·273	16th	29·967	31st	·306	64·4	74·8	−3·2	62·5	−1·3	68·7	−2·3	12·3	85·3	3rd	53·8	19th
	Muscat	20	30·131	+·014	30·099	30·264	22nd	30·013	31st	·251	70·2	77·4	+2·0	68·2	−2·5	72·8	−0·3	9·2	85·8	3rd	62·1	19th & 24th
	Bahrein	18	30·181		30·153	30·338	17th	30·037	1st	·301	62·9	66·6		59·9§		62·9§		6·7	81·3	1st	54·3	16th
	Bushire	14	30·145	+·011	30·122	30·307	17th	30·000	1st	·307	54·2	62·3	−6·9	52·0	−3·4	57·1	−5·1	10·3	74·3	1st	41·0	15th & 16th
	Busrah	25	30·205†		30·191†	30·397	17th	30·057	1st	·340	53·6	58·8		45·9		52·4		12·9	67·3	1st, 26th & 27th.	35·1	15th
	Kerman										33·9	50·6		29·1		39·8		21·5	67·8	3rd & 7th	11·2	16th
	Ispahan (*b*) §§	*5,817*	24·370			24·470	17th, 28th & 29th.	24·220	1st	·250	23·2	35·7	−16·5	20·4§	−9·0§	28·2§	−12·7	15·3	47·4	30th	10·2	4th, 24th & 25th.
	Tehran (*b*) §§	*4,009*	26·087			26·300	21st	25·850	4th	·450	30·2	43·3	−8·0	27·8	−6·1	35·6	−7·1	15·5	50·5	7th, 8th & 29th.	21·0	21st & 22nd.
	Baghdad	127	30·086	+·075	30·197	30·293	17th	29·807	25th	·489	42·7	53·9	−4·5	39·7§	−3·3§	49·4§	−3·9	19·2	65·0	28th	31·5	11th, 16th & 17th.
	Beirut ‡	111			30·097						56·9	64·2		52·7		58·5		11·6	70·0	23rd	48·2	11th
	Aden	94	29·985	−·010	30·013	30·077	17th	29·897	3rd	·180	76·4	80·7	−1·1	74·1	+1·1	77·4	0	6·6	82·8	7th	69·4	31st
	Perim	201	29·833	−·009	29·973	29·910	29th	29·767	3rd	·143	77·8	83·8	−0·5	75·2	+0·6	79·5	+0·1	8·6	85·7	8th	72·5	31st
	Zanzibar	72	29·935	+·006	29·935	30·022	17th	29·886	9th	·136	81·5	85·9	+0·1	80·1	+0·6	83·0	+0·3	5·8	88·4	15th	78·2	3rd & 15th

N.B.—The 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.

‡ 8½ " "

§§ 7 " "

B—*concluded.*

at 238 stations in India, etc., in December, 1910—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, 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 to 31st December, 1910.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December 1910.	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.
1	8	8					1	3	N 10° E		5·0*			49						5·7		13			8·23			8·23			1·93	Singapore.
	16	7	1		1			6	N 4° E					79								9			4·24			4·24			1·19	Penang.
5	2	24						2	N 38° E	N 23° E	9·7*	7·2	+2·5	82	+43	82	− 4	·710	−·121	5·5	+0·6	12			14·89	15·90	−1·01	14·89	15·90	−1·01	5·62	Trincomalee.
	17	13							N 19° E	N 33° E	7·2*	8·3	−1·1	92	+14	86	+ 9	·692†	−·109	4·8	+0·4	6			4·77	6·79	−2·02	4·77	6·79	− 2·02	2·33	Colombo.
	11	18	1	1					N 31° E	N 42° E	4·0	6·2	−2·2	87	+27					1·6	−1·7	0			0	4·66	−4·66	0	4·66	− 4·66	0	Minicoy.
	16	9						6	N 4° E		4·0†			87		69	− 4	·696	−·112	1·3	−2·3	0			0	0·32	−0·32	0	0·32	−0 32	0	Amini Divi.
			3	4			1		S 59° E		3·8			19		66		·067		0·1		0			0			0			0	Gyantse.
	5		1	1	3	1			N 45° E		6·5			3								0			0·03			0·03			0·03	Pharijong.
									(a)		1·3					87		·307		1·2		2			0·30			0·30			0·13	Gangtok. ¶
													Observations not received.																			Gartok.
																82§		·076§		7·9		0			0	0·19	−0·19	0	0·19	− 0·19	0	Kashgar.
													Observations rejected.																			Kabul.
			1	1	1				S		1·3			6		90		·121		5·1		4			0·93	0·70	+0·23	0·98	0·70	+ 0·28	0·30	Meshed.
17	3	1						9	N 7° W	N 23° E	9·9	10·3	−0·4	82	+ 9	69	− 1	·428	−·060	1·8	−0·6	3			2·14	0·78	+1·36	2·14	0·78	+ 1·36	1·17	Jask.
	2	3	1				5	7	N 41° W	S 74° W	7·3	4·0	+3·3	27	−10	69	+ 1	·512	−·037	5·2	+3·2	3			1·51	0·26	+1·25	1·51	0·26	+ 1·25	0·61	Muscat.
6	1	3	3				6	13	N 36° W		9·0			52		79		·458		6·0		8			2·92			2·92			0·66	Bahrein.
7	6	2	3	1				0	N 5° E	N 63° E	8·9	6·5	+2·4	49	− 9	87	+13	·368	−·012	6·1	+3·8	11			11·50	3·24	+8·26	11·50	3·24	+8·26	4·56	Bushire.
1	2	2	3	1	2	11	[illegible]		N 73° W		3·5			45		78		·326		5·0		8			2·45			2·45			0·64	Busrah.
7		1		9	8	2	4		S 61° W		2·9			32		62§		·130§		5·3		9			2·38			2·38			0·54	Kerman.
1			1				4	1	N 76° W	S 85° W	0·9	2·6	−1·7	13	−28	††91	+10	††·129	−·036	4·9	+1·1	5	1·40	+3·60	5·01	0·54	+4·47	5·01	0·54	+ 4·47	1·53	Ispahan.
4	15	1				1	1		N 34° E	N 11° E	1·3	2·7	−1·4	58	+24	85	+21	·143	−·014	2·5	−1·1	6	3·10	+2·90	1·71	1·37	+0·34	1·71	1·37	+ 0·34	0·35	Tehran.
1	1	1	1	1		5	6		N 54° W	N 3° W	5·5	3·0	+2·5	26	+ 6	77	− 1	·221	−·047	3·2	+1·2	3			0·99	1·64	−0·65	0·99	1·64	− 0·65	0·62	Baghdad.
	7	9	3		9				S 73° E					32		65		·304		3·7		8			5·80			5·80			1·75	Beirut.
	26	2							N 48° E	N 76° E	16·0	12·9	+3·1	89	+17	76	+ 2	·681	+·026	7·6	+2·4	0			0·09	0·37	−0·28	0·09	0·37	− 0·28	0·04	Aden.
		4	26						S 49° E	S 82° E	20·6	19·3	+1·3	94	+ 7	75	+ 1	·717	+·017	5·0	+0·9	1			0·14	0·08	+0·06	0·14	0·08	+ 0·06	0·14	Perim.
4	8	2	6		3	1	1		N 63° E	N 85° E	4·1	6·3	−2·2	29	−12	82	+ 1	·874	+·002	5·4	0	11			8·08	5·52	+2·56	8·08	5·52	+ 2·56	1·95	Zanzibar.

* Uncorrected for scale error.
¶ Wind variable ?.
(a) Indeterminate.

† Mean of 30 days.
§ " " 29 "
†† " " 19 "

Table C.—Abstract of observations taken at 8 hrs. at 36 fourth class stations in India, etc., in December, 1910.

Ta

Abstract of observations taken at 8

Number of subdivision.	Station.	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.	Wind direction. Number of winds from: Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Resultant 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
	II.—Eastern Bengal and Assam.																							
4	Bishnath	58·0	75·9	...	47·0	...	61·5	...	28·9	79·1	5th, 7th & 9th.	41·3	15th	37·8	...	...	..	...	...	...	...	...	...	...
	Borjuli	58·9	77·1	...	47·5	...	62·3	...	29·6	82·7	7th	42·0	15th	40·7	...	...	...	...	...	...	...	...	...	...
	Chandkhira	52·5	80·1	...	47·9	...	64·0	...	32·2	84·1	5th	41·0	14th	43·1	...	...	...	...	...	...	...	...	...	...
	Doom Dooma	55·5	75·8	...	50·1	...	62·9	...	25·7	82·1	6th	42·7	14th & 15th.	39·4	...	...	...	...	...	...	...	...	...	...
	Dikom	53·7	74·9	...	48·5	...	61·7	...	26·4	80·6	5th	41·6	15th	39·0	...	...	...	...	...	...	...	...	...	...
	Golaghat	59·1	59·4	...	41·4*	...	50·4	...	18·0	66·5	10th	35·2	15th & 16th.	31·3	...	...	...	...	...	...	...	...	...	...
	Hailakandi	55·3	79·9	...	49·1	...	64·5	...	30·8	84·0	5th & 6th.	40·0	6th	44·0	...	...	...	...	...	...	...	...	...	...
	Jorehat	58·6	74·6	...	50·7	...	62·7	...	23·9	78·4	6th	45·6	16th	32·8	...	...	...	...	...	...	...	...	...	...
	Messa	65·7	82·4	...	47·1	...	64·7	...	35·3	85·2	6th	41·8	17th	43·4	...	...	...	...	...	...	...	...	...	...
	Panerihat	56·1	75·4	...	49·6	...	62·5	...	25·8	79·6	8th	41·5	31st	38·1	...	...	...	...	...	...	...		...	...
	Srimangal	55·7	80·4	...	47·4	...	63·9	...	33·0	84·7	5th	41·1	14th	43·6	...	...	...	...	...	...	...	...	...	...
5	Brahmanbaria	67·5	79·6	...	53·5	...	66·6	...	26·1	83·4	9th	47·5	14th	35·9	...	...	...	...	...	...	...	...	...	...
	Dam Dim	53·8	85·5	...	44·9	...	65·2	...	40·6	87·9	23rd	39·9	15th	48·0	...	...	...	...	...	...	...	...	...	...
	Goalundo	62·5	74·0	...	48·1†	...	61·1	...	25·9	82·7	12th	42·7	23rd	40·0	...	...	...	...	...	...	...	...	...	...
	Kalchini	66·2	78·6	...	47·2	...	62·9	...	31·4	84·1	2nd, 4th & 6th.	41·4	12th	42·7	...	...	...	...	...	...	...	...	...	...
	Nagrakata	62·3	77·1	...	52·5	...	64·8	...	24·6	81·1	5th & 6th.	47·0	12th	34·1	...	...	...	...	...	...	...	...	...	...
	Pabna	60·8	77·4	...	53·7	...	65·5	...	23·7	80·5	12th	49·2	14th	31·3	...	...	...	...	...	...	...	...	...	...
	XI.—Central Provinces.																							
24	Chhindwara	52·7	79·0	...	46·8	...	62·9	...	32·2	82·5	6th	43·0	17th & 23rd.	39·5	...	1	1	...	...	2	4	15	8	N 85° W
	XIV.—Madras.																							
33	Anantapur	65·7	83·3	...	55·9	...	69·6	...	27·4	84·5	10th, 12th & 13th.	52·5	2nd	32·0	...	...	...	...	...	...	...	...	...	...
34	Guntur	67·8	85·7	...	60·4	...	73·0	...	25·3	87·8	7th	55·0	2nd	32·8	...	...	...	...	...	...	...	...	...	...
	Bay Islands.																							
1	Car Nicobar	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kashmir.																							
14	Jammu	53·0	67·5	...	48·4	...	57·9	...	19·1	76·7	1st	37·8	23rd	38·9	...	26	4	...	...	1	...	...	...	N 6° E
	Kargil	19·7	33·6	..	15·1	...	24·3	...	18·5	52·3	2nd	−0·1	25th & 28th.	52·4	...	3	7	13	2	...	...	...	6	N 55° I
	Hill Stations, exclusive of Kashmir.																							
	Panighatta	63·7	75·9	...	53·9	...	64·8	...	22·0	79·9	4th	48·5	12th	31·4	...	...	...	...	...	...	...	...	...	...
	Kurseong	50·5	59·7	...	49·2	...	54·5	...	10·5	73·3	30th	44·5	13th	28·8	...	...	...	...	...	...	...	...	...	...
	Gnatong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lachung	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Mean of 18 days. † Mean of 12 days.

36 fourth class stations in India, etc., in December, 1910.

Wind velocity.			Wind steadiness.		Hygrometry, 8 hrs.				Cloud.		Rainfall.									Heaviest rainfall during month.	Station.
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, 1910.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December, 1910.		
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.
...	...	...	...	...	85	...	·410	...	...	...	0	...	...	0·02	...	...	0·02	...	...	0·02	Bishnath.
...	...	...	...	...	84	...	·420	...	...	...	0	...	...	0·14	...	...	0·14	...	...	0·07	Borjuli.
...	...	...	...	...	95	...	·380	...	...	...	0	...	...	0	...	...	0	...	...	0	Chandkhira.
...	...	...	...	...	93	...	·404	...	...	...	3	...	...	0·78	...	...	0·78	...	...	0·32	Doom Dooma.
...	...	...	...	...	94	...	·392	...	...	...	3	...	...	1·23	...	...	1·23	...	...	0·56	Dikom.
...	...	...	...	...	90	...	·450	...	...	...	0	...	...	0	...	...	0	...	...	0	Golaghat.
...	...	...	...	...	92	...	·404	...	...	...	0	...	...	0	...	...	0	...	...	0	Hailakandi.
...	...	...	...	...	91	...	·447	...	...	...	0	...	...	0	...	...	0	...	...	0	Jorehat.
...	...	...	...	...	77‡	...	·492‡	...	...	...	0	...	...	0	...	...	0	...	...	0	Messa.
...	...	...	...	...	92	...	·414	...	...	...	0	...	...		...	...	0	...	...	0	Panerihat.
...	...	...	...	...	93	...	·414	...	...	...	0	...	...	0	...	...	0	...	...	0	Srimangal.
...	...	...	...	...	72	...	·490	...	...	...	0	...	...	0	...	...	0	...	...	0	Brahmanbaria.
...	...	...	...	...	98	...	·411	...	...	...	0	...	...	0	...	...	0	...	...	0	Dam Dim.
...	...	...	...	...	75	...	·423	...	...	...	0	...	...	0	...	...	0	...	...	0	Goalundo.
...	...	...	...	...	61	...	·396	...	...	...	0	...	...	0	...	...	0	...	...	0	Kalchini.
...	...	...	...	...	75	...	·417	...	...	...	0	...	...	0	...	...	0	...	...	0	Nagrakata.
...	...	...	...	...	75	...	·404	...	...	...	0	...	...	0	...	...	0	...	...	0	Pabna.
																					XI.—Central Provinces.
...	...	...	74	...	79	...	·328	...	0	...	0	...	...	0	...	...	0	...	...	0	Chhindwara.
																					XIV.—Madras.
...	...	...	...	...	82	...	·515	...	2·1	...	0	...	...	0	...	...	0	...	...	0	Anantapur.
...	...	...	...	...	83	...	·547	...	1·6	...	0	...	...	0	...	...	0	...	...	0	Guntur.
																					Bay Islands.
									Rainfall observations not received.												Car Nicobar.
																					Kashmir.
...	...	...	90	...	62	...	·247	...	2·7	...	1	...	...	0·32	...	...	0·32	...	...	0·28	Jammu.
...	...	...	58	...	51	...	·028	...	0·8	...	2	...	...	0·81§	...	...	0·81	...	...	0·33§	Kargil.
																					Hill Stations, exclusive of Kashmir.
...	...	...	...	...	59	...	·351	...	...	...	0	...	...	0	...	...	0	...	...	0	Panighatta.
...	...	...	...	...	70	...	·258	...	...	...	0	...	...	0	...	...	0	...	...	0	Kurseong.
...	...	...	...	...	...	...	...	...	...	...	0	...	...	0	...	...	0	...	...	0	Gnatong.
...	...	...	...	...	...	...	...	...	...	...	0	...	...	0·10	...	...	0·10	...	...	0·08	Lachung.

‡ Mean of 30 days. § Snow water.

Ta

Abstract of observations taken at 8

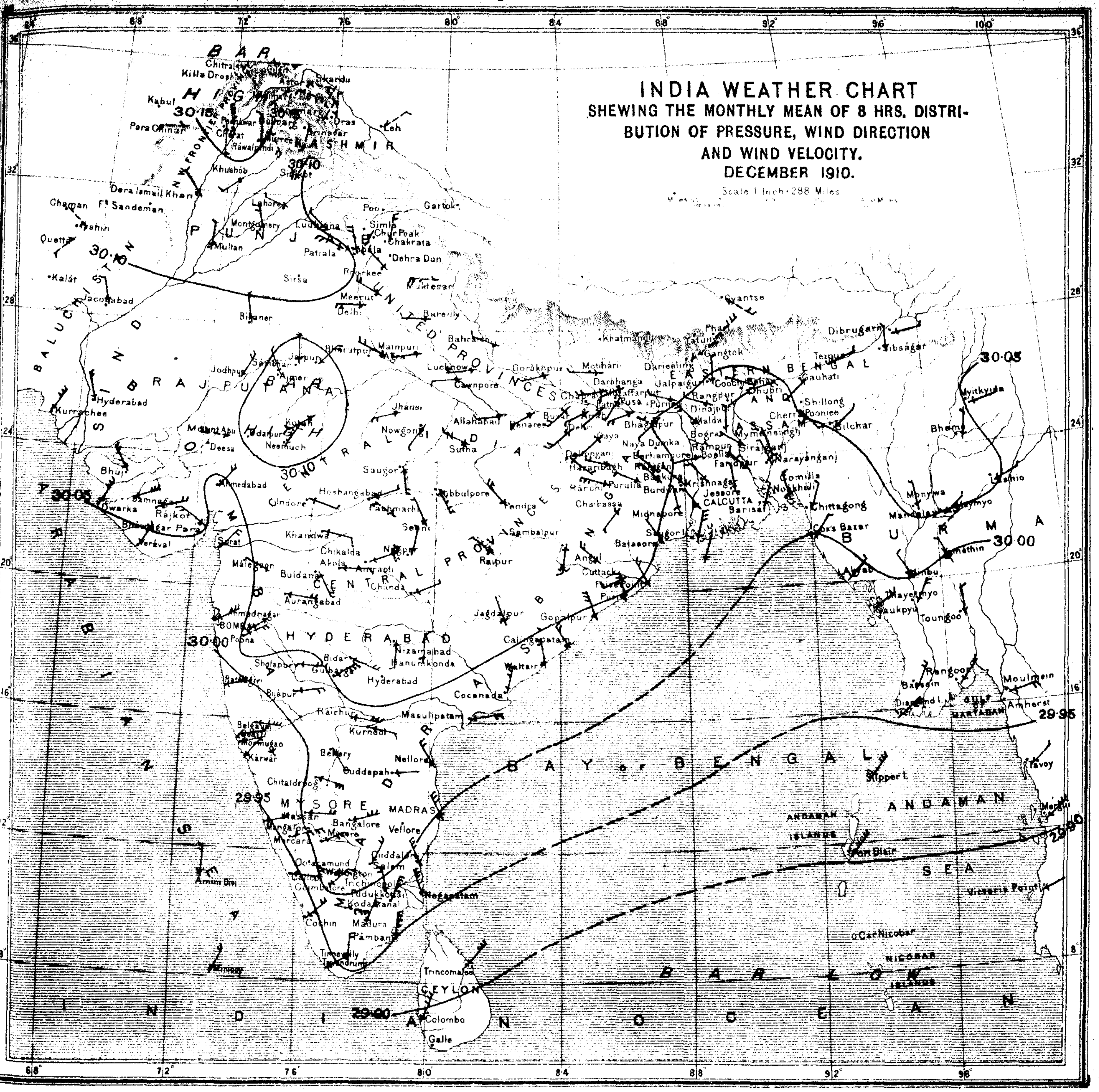
Number of subdivision.	Station.	Temperature of air.													Wind direction.									
		Mean of 8 hrs. temperature.	Mean maximum.	Departure from normal.	Mean minimum.	Departure from normal.	Monthly mean of mean between maximum and minimum.	Departure from normal.	Mean daily range of temperature.	Highest 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.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
	Hill Stations, exclusive of Kashmir—*concld.*																							
	Ringim	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Poo	...	42·6	...	18·6	...	30·6	...	24·0	53·6	1st	13·6	23rd & 26th.	40·0	18	...	...	1	...	...	2	4	6	N 72° W
	Kailang	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Drosh	34·9	46·6	..	32·0	...	39·3	...	14·6	59·3	1st	24·1	21st & 22nd.	35·2	8	...	4	15	...	2	...	2	...	N 86° E
	Pishin	...	50·8	...	27·5	...	39·2	...	23·3	66·3	4th	14·0	23rd	52·3	...	...	...	...	...	...	...	...	...	...
	Kalat	33·6	49·4	−8·6	25·7	+1·6	37·6	−3·5	23·7	66·0	29th	8·9	23rd & 24th.	57·1	...	9	...	1	...	20	...	1	...	S
	Extra India.																							
	Ahwaz	...	59·6	...	48·4	..	54·0	...	11·2	68·2	1st	37·4	18th	30·8	..	...	...	...	...	...	...	...	...	...
	Birjand	Observations not available.																						
	Chumbi	24·8	48·5	...	20·3	...	34·4	...	28·2	55·5	31st	16·4	2nd	39·1	...	...	...	...	...	...	...	...	...	...
	Kirmanshah	35·9	42·4	...	25·8	...	34·4	...	16·6	53·8	27th	14·0	16th, 17th & 22nd.	39·8	...	...	...	...	...	...	...	...	...	...
	Koweit	...	61·7	...	48·4	...	55·0	...	13·3	74·4	1st	42·2	31st	32·2	1	...	...	...	4	...	...	3	23	N 51° W
	Maidan	Observations not received.																						
	Muhammerah	...	62·4	...	48·5	...	55·5	...	13·9	68·7	4th	39·4	17th	29·3	...	10	1	...	2	2	...	1	9	N 20° W
	Pemba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prison Island	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

C—*concluded.*

at 36 fourth-class stations in India, etc., in December, 1910—concld.

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 to 31st December, 1910.	Normal rainfall for period, 1st to 31st December.	Departure from normal of period, 1st to 31st December, 1910.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
																					Hill Stations, exclusive of Kashmir—*concld.*
...	...	...	...	...	...	...	...	...	...	...	4	...	...	1·84	...	...	1·84	...	...	0·94	Ringim.
...	...	...	29	...	...	...	...	...	5·0	...	5	...	...	1·87	1·05	+0·82	1·87	1·05	+0·82	0·86	Poo.
						Rainfall observations not received.															Kailang.
...	...	...	52	...	67	...	·133	...	...	...	5	...	...	2·15	...	...	2·15	...	...	1·17	Drosh.
...	...	...	...	...	...	...	...	...	5·0	...	5	2·70	+2·30	1·66	1·20	+0·46	1·66	1·20	+0·46	0·66	Pishin.
...	...	...	35	...	71	...	·147	...	...	...	3	2·70	+0·30	2·29	0·65	+1·64	2·29	0·65	+1·64	1·20	Kalat.
																					Extra India.
...	...	...	...	...	...	...	...	...	4·7	...	7	...	...	3·87	...	...	3·87	...	...	1·07	Ahwaz.
						Observations not available.															Birjand.
8·9*	...	...	...	...	72	...	·096	...	...	...	0	...	...	0·01†	...	...	0·01	...	...	0·01†	Chumbi.
...	...	...	...	...	70	...	·155	...	...	...	3	...	...	1·28	...	...	1·28	...	...	0·76	Kirmanshah.
...	...	...	61	...	...	...	...	...	5·4	...	9	...	...	3·66	...	...	3·66	...	...	0·65	Koweit.
						Observations not received.															Maidan.
...	...	...	48	...	...	...	...	...	...	...	7	...	...	2·98	...	...	2·98	...	...	0·86	Muhammerah.‡
						Rainfall observations not received.															Pemba.
							Ditto		ditto.												Prison Island.

* Mean of 23 days.
‡ Wind variable 6.
† Snow water.



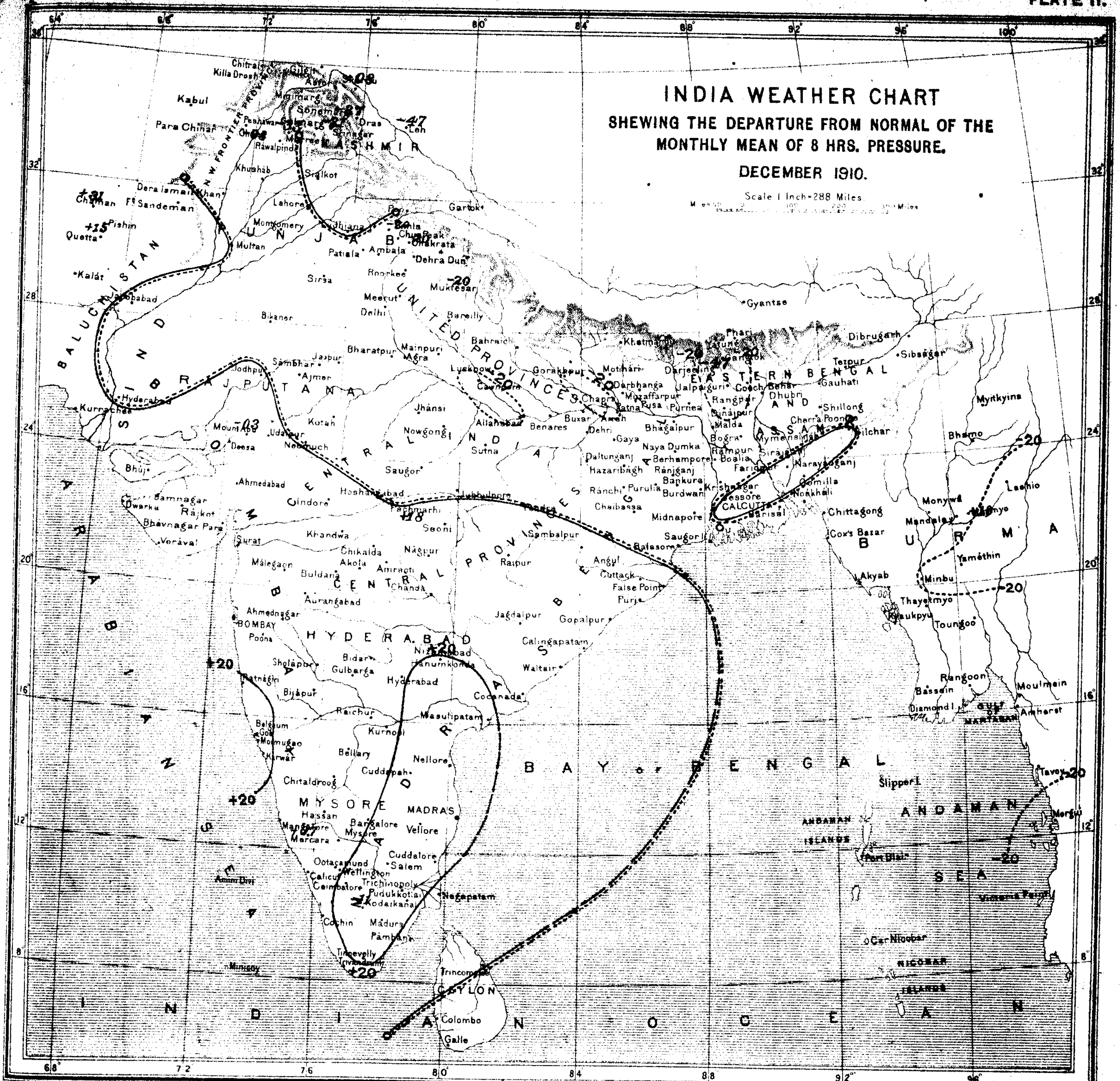
Reg No 4101 E 10—Z.—5,000.

LITHO BY S.B.M.

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 ,, ,, ,, ,, ,,



Reg No 4101 E., 10—Z.—5,000.

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.

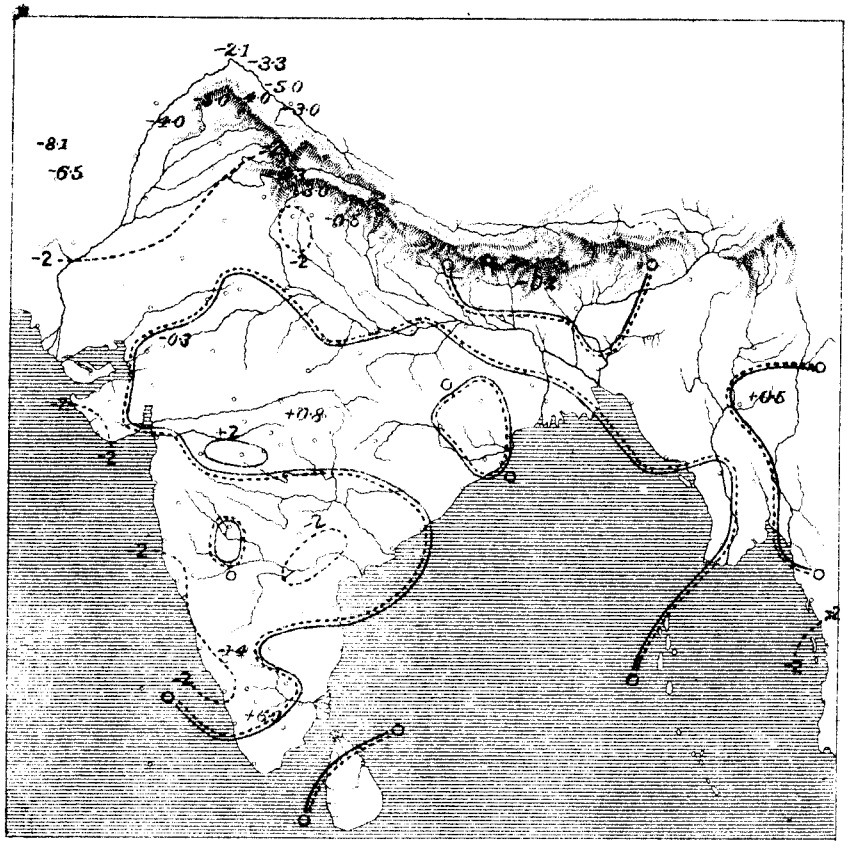
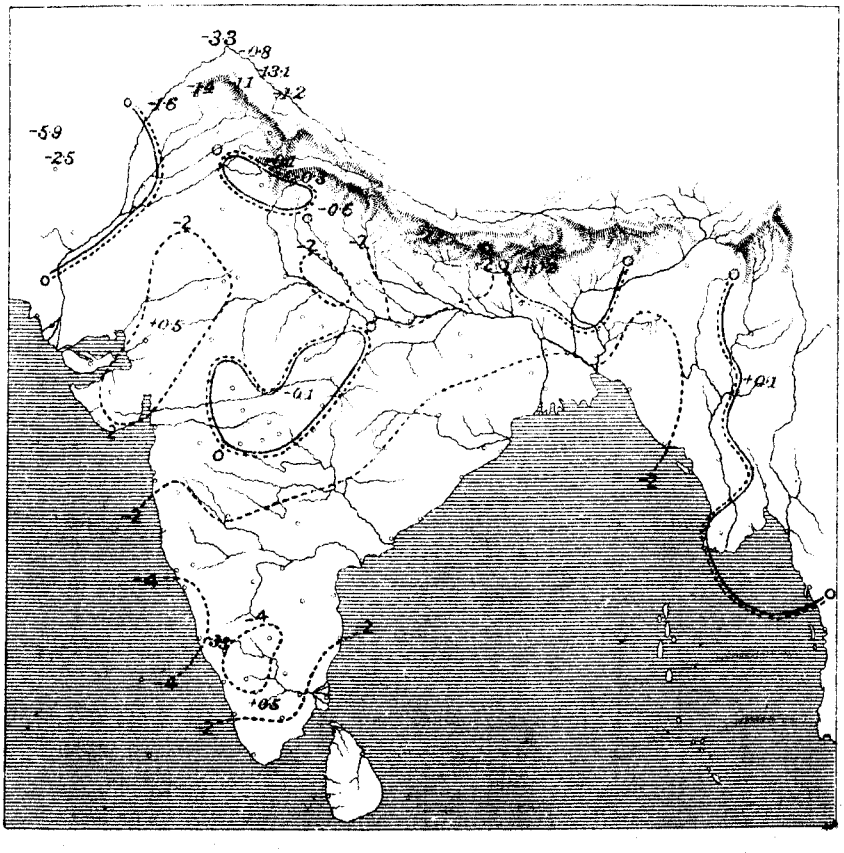


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF DAILY MINIMUM TEMPERATURE.



LITHO. BY S.S. MUNDLE

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

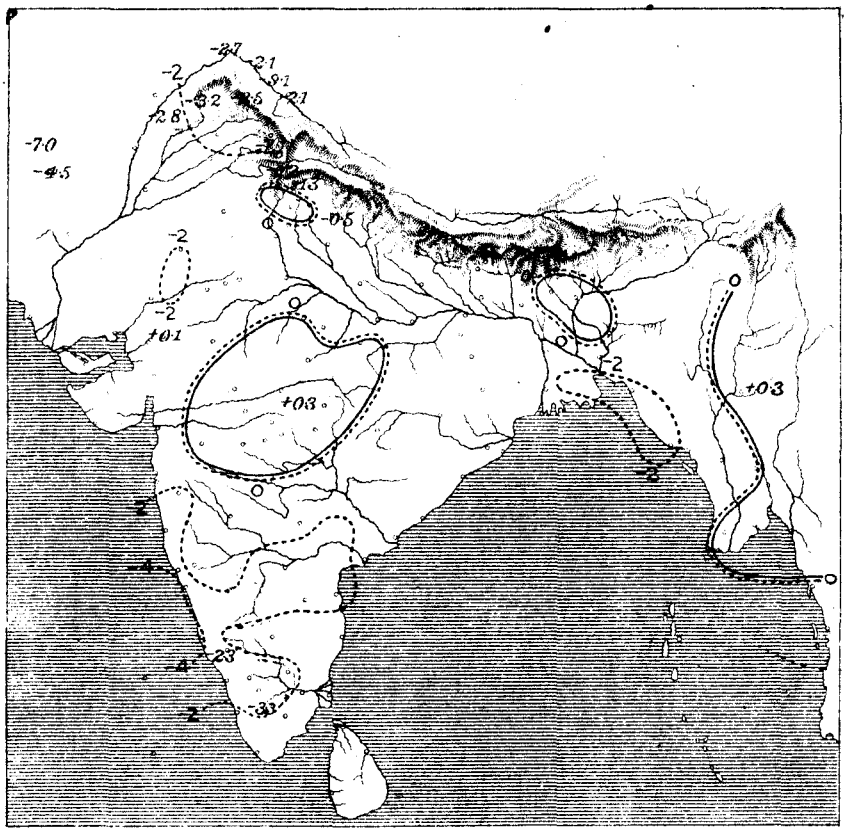
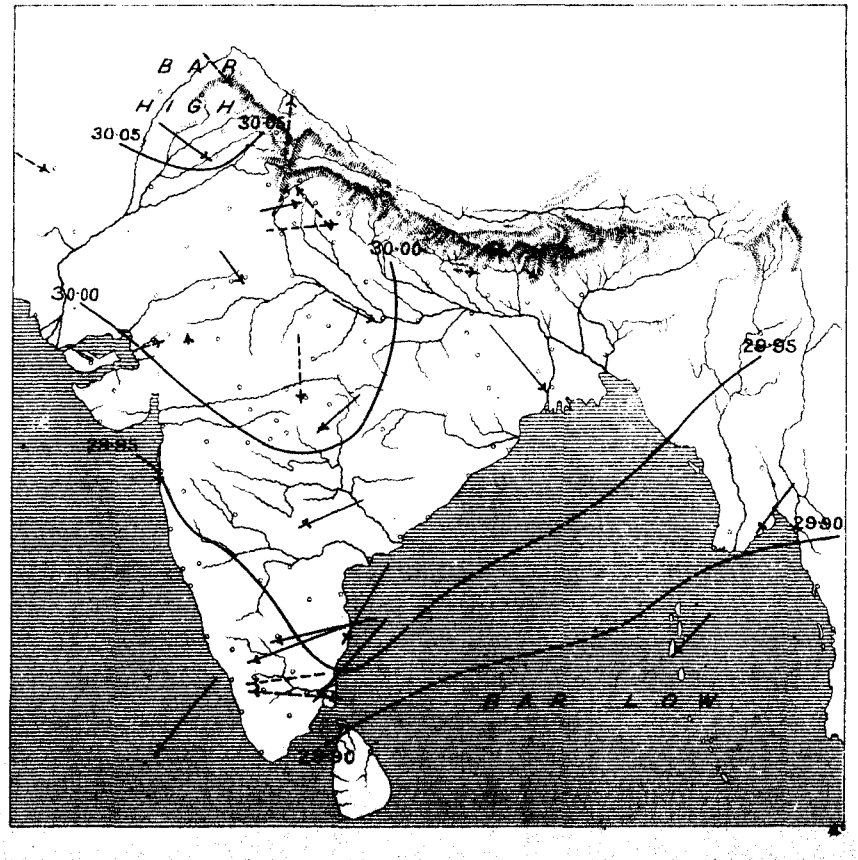


CHART SHEWING THE MONTHLY MEAN OF PRESSURE AND RESULTANT WIND DIRECTION.



LITHO BY R. S. MUNDLE.

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

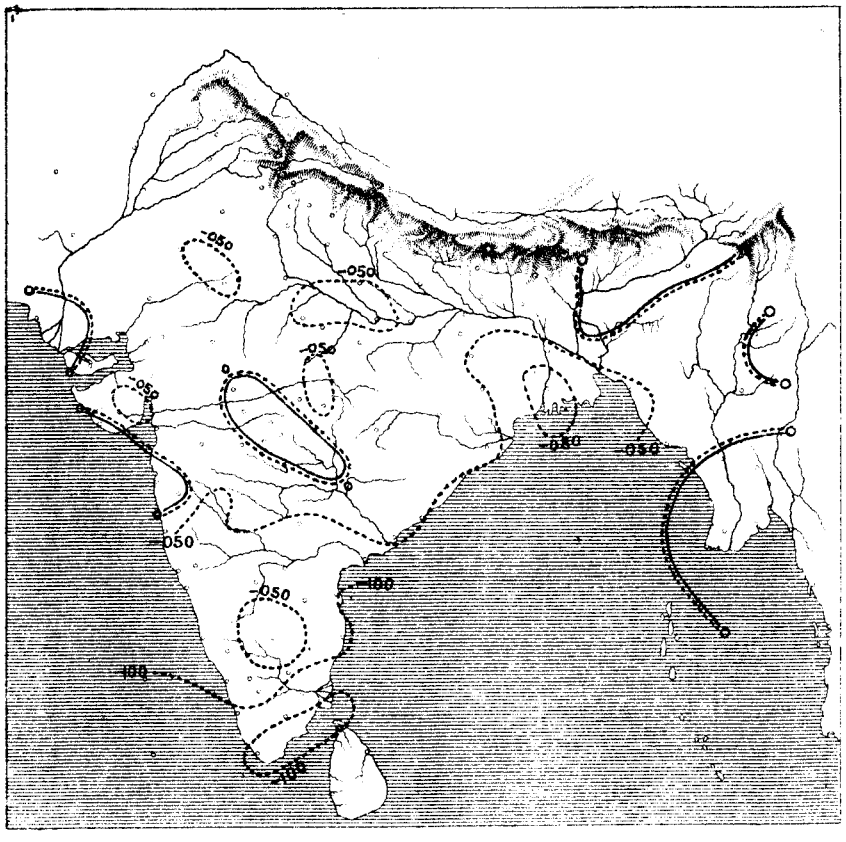


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF RELATIVE HUMIDITY AT 8 HRS.

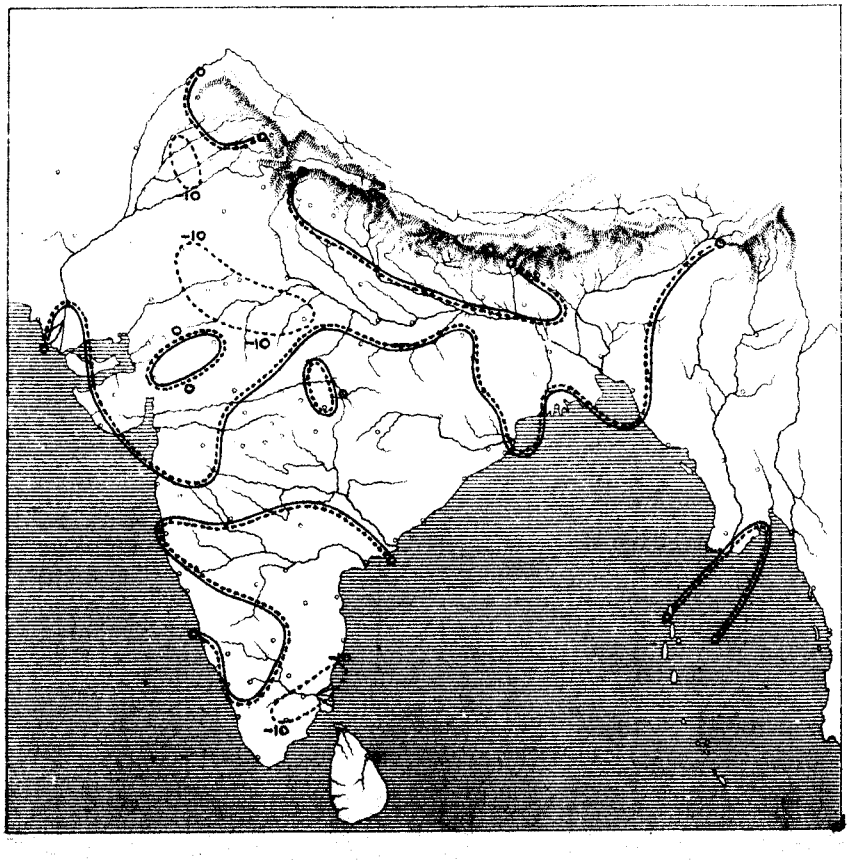


CHART SHEWING THE DEPARTURE FROM NORMAL OF THE MONTHLY MEAN OF CLOUD AMOUNT AT 8 HRS.

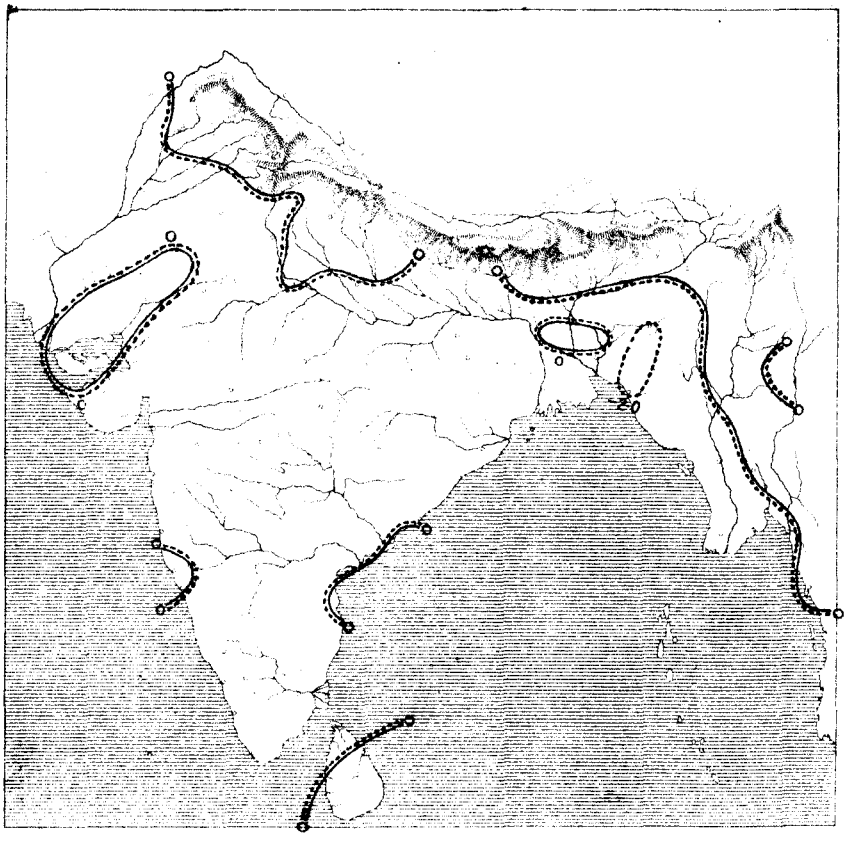
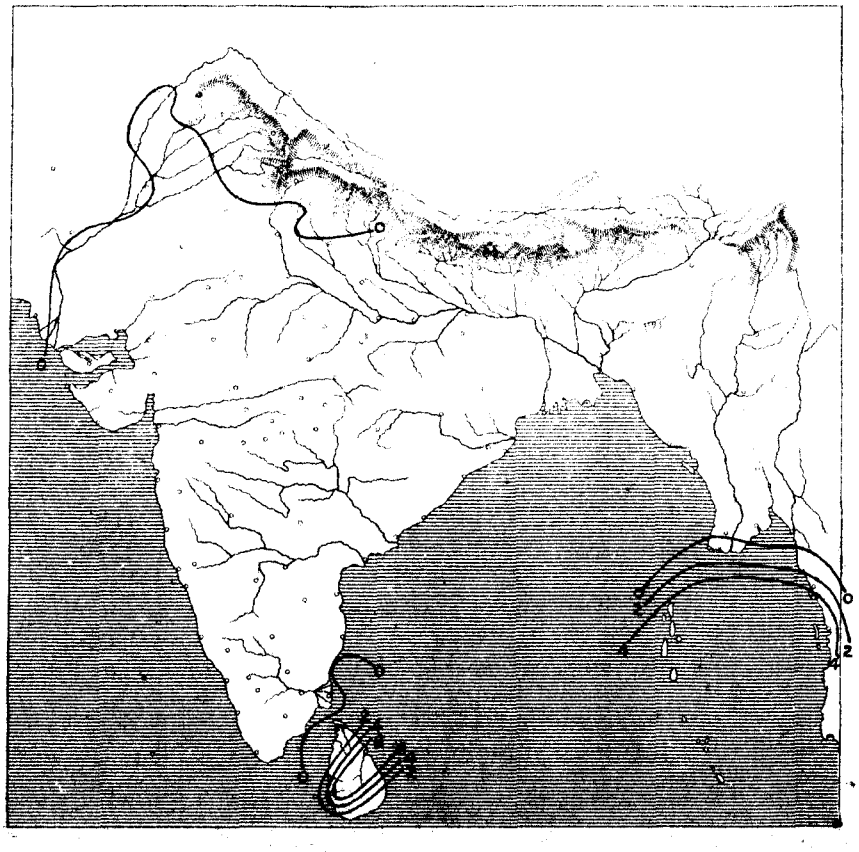


CHART SHEWING THE TOTAL NUMBER OF DAYS IN THE MONTH ON WHICH RAINFALL EQUALLED OR EXCEEDED 0·10 INCH.

(BASED ON THE RETURNS OF TABLE B.)



Reg. No. 4101 E., 10.—Z.—5,000.

LITHO. BY S. B. 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